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August 18, 2016

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 2nd Quarter 2016 Groundwater Monitoring Report
Groundwater Quality Discharge Permit UGW370004 White Mesa Uranium Mill**

Dear Mr. Anderson:

Enclosed are two copies of the White Mesa Uranium Mill Groundwater Monitoring Report for the 2nd Quarter of 2016 as required by the Groundwater Quality Discharge Permit UGW370004, as well as two CDs each containing a word searchable electronic copy of the report.

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

Yours very truly,

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

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

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

White Mesa Uranium Mill
Groundwater Monitoring Report

State of Utah
Groundwater Discharge Permit No. UGW370004

2nd Quarter
(April through June)
2016

Prepared by:



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

August 18, 2016

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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 second quarter of 2016 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 quarterly, semi-annual 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 and the wells sampled semi-annually. Wells which are sampled routinely every quarter and semi-annually were analyzed for the parameters listed in Table 2 and Part I.E.1.d) 2)ii of the GWDP dated August 24, 2012.

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.

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-3A, 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 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 is 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 outer 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"). 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. Per the GWDP, EFRI began accelerated monitoring in third quarter 2014 at MW-28 for those three constituents. The fourth quarter 2014 MW-28 results for vanadium and cadmium were below the GWCLs. The uranium result remained above the GWCL in the third quarter 2014. Part I.G.4 c) of the GWDP requires a Plan and Time Schedule for constituents exceeding their GWCL in two consecutive monitoring periods. A Plan and Time Schedule was submitted for uranium in MW-28 on December 4, 2014 as required. The Plan and Time Schedule specified that an assessment of the uranium results would be

completed after the first quarter 2015 sampling event. If the uranium results continue to exceed the GWCL, EFRI will perform a video inspection of the interior of MW-28 to investigate the possibility of additional physical damage to the well structure that may be causing the elevated uranium results. The first quarter 2015 MW-28 results for uranium were below the GWCLs. The second quarter 2015 MW-28 uranium result was slightly above the GWCL and within the analytical variability of the method. Per discussions with DWMRC, EFRI was to continue to collect uranium data quarterly in MW-28 and assess the results and determine a path forward after the fourth quarter 2015. Both the third and fourth quarter 2015 results for uranium were below the GWCL and no further action due to uranium exceedances except accelerated monitoring is required.

As previously noted, cadmium results exceeded the GWCL in the second quarter 2014, immediately following the damage to the well, but the subsequent cadmium results were below the GWCL. The first quarter 2016 MW-28 cadmium result was slightly above the GWCL and within the analytical variability of the method. The second quarter 2016 result was below the GWCL. Per discussions with DWMRC, EFRI will to continue to collect cadmium data quarterly in MW-28 and assess the results and determine a path forward after the fourth quarter 2016.

EFRI will continue accelerated monitoring as required by the GWDP and discuss any additional findings in future reports.

2.5 Depth to Groundwater and Water Table Contour Map

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

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

3.0 QUALITY ASSURANCE AND DATA VALIDATION

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

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

3.1 Field QC Samples

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

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

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

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

One trip blank for 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-20 and MW-37 have dedicated pumps for purging and sampling and as such no rinsate blank samples are required. MW-20 and MW-37 were 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 after 2 casing volumes were removed: MW-03A, MW-23, and MW-24.

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-20 and MW-37. MW-20 and MW-37 were evacuated to dryness before two casing volumes could be removed. MW-20 and MW-37 have insufficient water to purge using a pump. Due to the small volume of water present, these wells are purged and sampled using a disposable bailer. MW-20 and 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-14, MW-17, MW-19, MW-25, MW-29, MW-31, and MW-32. Per the QAP, Revision 7.2, Attachment 2-3, turbidity measurements prior to sampling were within a 10% RPD for the quarterly and semi-annual wells.
- Turbidity measurements were less than 5 NTU for the accelerated sampling wells except MW-31 in the April monthly event and MW-11 and MW-31 in the June 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. Results of the RPD test are provided under Tab G.

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

3.4.8 Radiologics Counting Error and Duplicate Evaluation

Section 9.14 of the QAP require that gross alpha analysis be reported with an activity equal to or greater than the GWCL, 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. The quarterly, semi-annual, and accelerated radiologic sample results met the counting error requirements specified in the QAP.

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.

All of the radiologic duplicates were within acceptance limits. Results of quarterly, semi-annual, and accelerated radiologic sample QC are provided under Tab G.

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 were met. While the QAP does not require it, the recoveries were reviewed for compliance with the laboratory established acceptance limits. The QAP does not require this level of review and the results of this review are provided for information only.

The information from the Laboratory QA/QC Summary Reports indicates that the MS/MSDs recoveries and the associated RPDs for the quarterly and semi-annual samples were within acceptable laboratory limits for the regulated compounds except as indicated in Tab G. The AWAL data recoveries and RPDs which are outside the laboratory established acceptance limits do not affect the quality or usability of the data because the recoveries and RPDs above or below the acceptance limits are indicative of matrix interference most likely caused by other constituents in the samples. Matrix interferences are applicable to the individual sample results only. The requirement in the 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 and accelerated samples had no reported detections above the RL of any constituent. 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

A corrective action report was included in the first quarter 2016 report. The corrective action report was written because a monthly accelerated sample for fluoride in MW-30 was reported as non-detect with an elevated RL.

Corrective actions included the QA Manager checking the list of requested analyses after log in at the analytical laboratory, providing the analytical laboratory with a list of accelerated analyses when changes occur, and the Environmental Health and Safety Manager reviewing the COCs prior to sample shipment. The corrective actions were implemented as described and no further issues have occurred. This corrective action report is considered closed.

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 August 18, 2016.

ENERGY FUELS RESOURCES (USA) INC.

By:

A handwritten signature in blue ink, appearing to read 'S. Bakken', with a long horizontal flourish extending to the right.

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 Q2 2016

Well	Normal Frequency	Purpose for sampling this quarter	Sample Date	Date of Lab Report
MW-01	Semi-annually	Semi-annually	4/20/2016	(5/11/16) [5/23/16]
MW-02	Semi-annually	Semi-annually	4/26/2016	(5/23/16) [5/27/16]
MW-03	Semi-annually	Semi-annually	4/26/2016	(5/23/16) [5/27/16]
MW-03A	Semi-annually	Semi-annually	4/27/2016	(5/23/16) [5/27/16]
MW-05	Semi-annually	Semi-annually	4/21/2016	(5/11/16) [5/23/16]
MW-11	Quarterly	Quarterly	5/3/2016	(5/23/16) [6/2/16]
MW-12	Semi-annually	Semi-annually	4/21/2016	(5/11/16) [5/23/16]
MW-14	Quarterly	Quarterly	5/4/2016	(5/23/16) [6/2/16]
MW-15	Semi-annually	Semi-annually	4/27/2016	(5/23/16) [5/27/16]
MW-17	Semi-annually	Semi-annually	4/26/2016	(5/23/16) [5/27/16]
MW-18	Semi-annually	Semi-annually	4/19/2016	(5/11/16) [5/23/16]
MW-19	Semi-annually	Semi-annually	4/19/2016	(5/11/16) [5/23/16]
MW-20	Semi-annually	Semi-annually	5/18/2016	(6/7/16) [6/21/16]
MW-22	Semi-annually	Semi-annually	4/26/2016	(5/23/16) [5/27/16]
MW-23	Semi-annually	Semi-annually	5/18/2016	(6/7/16) [6/21/16]
MW-24	Semi-annually	Semi-annually	4/28/2016	(5/23/16) [5/27/16]
MW-25	Quarterly	Quarterly	5/3/2016	(5/23/16) [6/2/16]
MW-26	Quarterly	Quarterly	5/4/2016	(5/23/16) [6/2/16]
MW-27	Semi-annually	Semi-annually	4/20/2016	(5/11/16) [5/23/16]
MW-28	Semi-annually	Semi-annually	4/20/2016	(5/11/16) [5/23/16]
MW-29	Semi-annually	Semi-annually	4/27/2016	(5/23/16) [5/27/16]
MW-30	Quarterly	Quarterly	5/4/2016	(5/23/16) [6/2/16]
MW-31	Quarterly	Quarterly	5/3/2016	(5/23/16) [6/2/16]
MW-32	Semi-annually	Semi-annually	4/20/2016	(5/11/16) [5/23/16]
MW-35	Quarterly	Background	5/3/2016	(5/23/16) [6/2/16]
MW-36	Quarterly	Background	4/20/2016	(5/11/16) [5/23/16]
MW-37	Quarterly	Background	5/18/2016	(6/7/16) [6/21/16]
MW-65	1 per Batch	Duplicate of MW-15	4/27/2016	(5/23/16) [5/27/16]
MW-70	1 per Batch	Duplicate of MW-14	5/4/2016	(5/23/16) [6/2/16]
Accelerated April Monthly				
MW-11	Monthly	Accelerated	4/12/2016	(5/3/16) [N/A]
MW-14	Monthly	Accelerated	4/13/2016	No laboratory data - well was sampled for field pH only
MW-25	Monthly	Accelerated	4/12/2016	(5/3/16) [N/A]
MW-26	Monthly	Accelerated	4/13/2016	(5/3/16) [N/A]
MW-30	Monthly	Accelerated	4/13/2016	(5/3/16) [N/A]
MW-31	Monthly	Accelerated	4/12/2016	(5/3/16) [N/A]
MW-35	Monthly	Accelerated	4/12/2016	(5/3/16) [5/17/16]
MW-65	1 per Batch	Duplicate of MW-35	4/12/2016	(5/3/16) [5/17/16]
Accelerated June Monthly				
MW-11	Monthly	Accelerated	6/14/2016	(7/1/16) (7/21/16) [N/A]
MW-14	Monthly	Accelerated	6/14/2016	No laboratory data - well was sampled for field pH only
MW-25	Monthly	Accelerated	6/14/2016	(7/1/16) (7/21/16) [N/A]
MW-26	Monthly	Accelerated	6/15/2016	(7/1/16) (7/21/16) [N/A]
MW-30	Monthly	Accelerated	6/14/2016	(7/1/16) (7/21/16) [N/A]
MW-31	Monthly	Accelerated	6/15/2016	(7/1/16) (7/21/16) [N/A]
MW-35	Monthly	Accelerated	6/15/2016	(7/1/16) (7/21/16) (7/15/16)
MW-65	1 per Batch	Duplicate of MW-30	6/14/2016	(7/1/16) (7/21/16) [N/A]

Notes:

Multiple dates shown for a single laboratory depict resubmission dates for the data. Resubmissions were required to correct reporting errors. When multiple dates are shown for a single laboratory, the final submission date is shown in italics.

Dates in parenthesis depicts the date that data was reported by American West Laboratories (AWAL).

Dates in brackets are the date and data reported by 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 Sampling¹							
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	6.54	Quarterly	Monthly	January 2016	April 2016
	Cadmium (ug/L)	1.5	1.51	Quarterly	Monthly	Q1 2016	April 2016
	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
	Fluoride (mg/L)	0.51	0.572	Quarterly	Monthly	Q4 2015	March 2016
	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
	Nitrate + Nitrite (as N) (mg/L)	5	21.7	Quarterly	Monthly	Q1 2010	May 2010
MW-31 (Class III)	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
	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
MW-35 (Class II)	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 Sampling¹							
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)	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
	Tetrahydrofuran (ug/L)	23	36.1	Semi-Annually	Quarterly	Q2 2016	Q3 2016
	Manganese (ug/L)	4233	4560	Semi-Annually	Quarterly	Q2 2016	Q3 2016
	Thallium (ug/L)	1.6	1.61	Semi-Annually	Quarterly	Q4 2015	Q3 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
	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
	Field pH (S.U.)	6.5 - 8.5	6.13	Semi-Annually	Quarterly	Q1 2014	Q2 2014
MW-12 (Class III)	Selenium (ug/L)	25	33.3	Semi-Annually	Quarterly	Q4 2014	Q3 2015
	Selenium (ug/L)	128.7	152	Semi-Annually	Quarterly	Q2 2012	Q3 2012
MW-15 (Class III)	Field pH (S.U.)	6.62 - 8.5	6.61	Semi-Annually	Quarterly	Q4 2013	Q2 2014
	Thallium (ug/L)	1.95	3.73	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-18 (Class III)	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
	Nitrate + Nitrite (as N) (mg/L)	2.83	4	Semi-Annually	Quarterly	Q4 2011	Q1 2012
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	6.61 (6.66)	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Cadmium (ug/L)	2.5	4.28	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-24 (Class III)	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
	Nitrate + Nitrite (as N) (mg/L)	5.6	5.8	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-27 (Class III)	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
	Field pH (S.U.)	6.5 - 8.5	6.48	Semi-Annually	Quarterly	Q4 2015	Q3 2016
	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	Q2 2014 (Q1 2015)	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. Samples were recollected due field or laboratory problems as noted in the specific report for that

Highlighted text shows accelerated requirements resulting from Q2 2016 sampling event.

Table 3 – GWCL Exceedances for Second Quarter 2016 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		NA		NA		NA		31		NA											
	Cadmium (ug/L)	1.5		1.26		NA		NA		NA		1.4		NA											
	Uranium (ug/L)	6.5		5.93		NA		NA		NA		6.43		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		37.4		36.6		34.4		71.8		37.5											
	Chloroform (ug/L)	70		700		800		940		900		2800		1900											
	Chloride (mg/L)	58.31		72		57		47		52		49		64											
	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			
	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		NA		NA		NA	NA	111	NA	126											
	Uranium (ug/L)	8.32		6.82		NA		NA		NA	NA	7.10	NA	6.64											
	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			
	Fluoride (mg/L)	0.51		0.35		0.35		NA		NA	NA	0.36	NA	0.36		0.36		0.36		0.36					
	Selenium (ug/L)	34		32		35.3		NA		7/27/2010	33.5	8/24/2010	35.6	32.6		32.4		32.4		32.2					
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		NS	NA	NS	NA	NS	NA	NS	NA	NS		NA	1330	NS		NA		NS	NA	1320	
	Chloride (mg/L)	143		128		NS	NA	NS	NA	NS	NA	NS	NA	NS		NA	NS	139		NS		NA	NS	NA	138
	Selenium (ug/L)	71		60.8		NS	NA	NS	NA	NS	NA	NS	NA	NS		NA	NS	64.4		NS		NA	NS	NA	60
	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		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		1.14							
	Gross Alpha minus Rn & U (pCi/L)	3.75		NA		NA		NA		NA		NA		NA		NA		2.6							
	Field pH (S.U.)	6.5 - 8.5		NA		NA		NA		NA		NA		NA		NA		7.46							
	Selenium (ug/L)	12.5		NA		NA		NA		NA		NA		NA		NA		ND							
	Uranium (ug/L)	7.5		NA		NA		NA		NA		NA		NA		NA		27.2							
Required Semi-Annual Sampling Wells																									
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	5/5/2010	18	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/8/2010	15	NS	NA			
	Field pH (S.U.)	6.77 - 8.5		NA		7.86 (6.87)		NA		NA		NA		NA		6.96									
	Sulfate (mg/L)	838		NA		805		NA		NA		NA		NA		792									
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		6.39		6.35									
	Beryllium (ug/L)	2		NA		<0.5		NA		NA		NA		NA		<0.5									
	Cadmium (ug/L)	4.67		NA		0.78		NA		NA		NA		NA		0.63									
	Zinc (ug/L)	173.19		NA		96		NA		NA		NA		NA		40									
	Thallium (ug/l)	1.6		NA		1.31		NA		NA		NA		NA		1.34									
	Sulfate (mg/L)	3663		NA		3490		NA		NA		NA		NA		3430									
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		0.3		NA		NA		NA		NA		0.4									
	Tetrahydrofuran (ug/L)	23		NA		1		NA		NA		NA		NA		1									
	Manganese (ug/L)	4233		NA		168		NA		NA		NA		NA		143									
Fluoride (Mg/L)	0.68	NA	0.71	NA	NA	NA	NA	0.63																	
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		3630											
	Selenium (ug/L)	89		NA		81.4		NA		NA		NA		NS		94.8									
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	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		6.57		NA							

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	Q1 2010 Results		Q2 2010 Results						Q3 2010 Results				Q4 2010 Results							
			Q1 Sample Date	Q1 Result	Q2 Sample Date	Q2 Result	May Monthly Sample Date	May Monthly Result	June Monthly Sample Date	June Monthly Result	July Monthly Sample Date	July Monthly Result	August Monthly Sample Date	August Monthly Result	Q3 Sample Date	Q3 Result	October Monthly Sample Date	October Monthly Result	Q4 Sample Date	Q4 Result	December Monthly Sample Date	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	9/15/2010	3.64	NS	NA	11/18/2010	3.57	NS	NA		
	Sulfate (mg/L)	1938.9		1950		NA		NA		NA		1930		1910								
	Field pH (S.U.)	6.25-8.5		6.2		NA		NA		NA		7.23		6.37								
	TDS (mg/L)	3198.77		3280		NA		NA		NA		3190		3030								
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	5/4/2010	6.61 (6.66)	NS	NA	NS	NA	NS	NA	9/15/2010	6.93	NS	NA	11/18/2010	6.8	NS	NA		
	Nitrate + Nitrite (as N) (mg/L)	2.83		2.6		NA		NA		NA		2.4										
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	5/6/2010	4.28	NS	NA	NS	NA	NS	NA	9/21/2010	5.06	NS	NA	11/17/2010	3.22	NS	NA		
	Fluoride (mg/L)	0.36		0.14		NA		NA		NA		0.18										
	Sulfate (mg/L)	2903		2560		NA		NA		NA		2760										
	Thallium (ug/l)	1		1.3		NA		NA		NA		1.09										
	Field pH (S.U.)	6.5 - 8.5		5.91 (5.78)		NA		NA		NA		6.64		6.1								
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	5/3/2010	5.8	NS	NA	NS	NA	NS	NA	9/14/2010	5.9	NS	NA	11/12/2010	5.7	NS	NA		
	Chloride (mg/L)	38		42		NA		NA		NA		45										
	Sulfate (mg/L)	462		469		NA		NA		NA		452										
	Field pH (S.U.)	6.5 - 8.5		6.78		NA		NA		NA		6.84										
	TDS (mg/L)	1075		1160		NA		NA		NA		1060		1110								
	Gross Alpha minus Rn & U (pCi/L)	2		1.6		NA		NA		NA		NA		2.4								
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	4/19/2010	108	NS	NA	NS	NA	NS	NA	9/14/2010	106	NS	NA	11/12/2010	107	NS	NA		
	Cadmium (ug/L)	5.2		4.20		NA		NA		NA		4.11										
	Uranium (ug/L)	4.9		3.36		NA		NA		NA		3.45										
	Vanadium (ug/L)	30		<15.0		NA		NA		NA		<15.0										
	Field pH (S.U.)	6.1 - 8.5		5.67		NA		NA		NA		5.91		5.72								
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	4/27/2010	4400	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/9/2010	4390	NS	NA		
	Sulfate (mg/L)	2946		2770		NA		NA		NA		2690										
	Field pH (S.U.)	6.46 - 8.5		6.82		NA		NA		NA		6.17										
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	4/20/2010	4.5	NS	NA	NS	NA	NS	NA	9/13/2010	2.9	NS	NA	11/10/2010	8.8	NS	NA		
	Chloride (mg/L)	35.39		30		NA		NA		NA		35										
	Field pH (S.U.)	6.4 - 8.5		6.03		NA		NA		NA		6.33		6.05								

Notes:

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

NS = Not Required and Not Sampled

NA = Not Analyzed

NA = Not Available

Exceedances are shown in yellow

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

Table 3 – GWCL Exceedances for Second Quarter 2016 under the August 24, 2012 GWDP

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	Q1 2011 Results						Q2 2011 Results						Q3 2011 Results						Q4 2011 Results					
			January 2011 Monthly Sample Date	January 2011 Monthly Sample Result	Q1 2011 Sample Date	Q1 2011 Result	March 2011 Monthly Sample Date	March 2011 Monthly Sample Result	Q2 2011 Sample Date	Q2 2011 Result	May 2011 Monthly Sample Date	May 2011 Monthly Sample Result	June 2011 Monthly Sample Date	June 2011 Monthly Sample Result	July 2011 Monthly Sample Date	July 2011 Monthly Sample Result	Q3 2011 Sample Date	Q3 2011 Result	September 2011 Monthly Sample Date	September 2011 Monthly Sample Result	Q4 2011 Sample Date	Q4 2011 Result	November 2011 Monthly Sample Date	November 2011 Monthly Sample Result	December 2011 Monthly Sample Date	December 2011 Monthly Sample 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	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	NA	32		NA		32		NA		
	Cadmium (ug/L)	1.5		NA		1.34		NA		1.27		NA		NA		NA	1.19	NA		1.27		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	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		1400		
	Chloride (mg/L)	58.31		52		59		64		64		54		39		64		60		61		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
	Methylene Chloride (ug/L)	5		<1.0		10		14		3.1		20		7		2.4		10		2.6		8.9		11		
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/10/2011	15	2/11/2011	16	3/14/2011	17	4/11/2011	16	5/10/2011	16	6/20/2011	17	7/5/2011	17	8/3/2011	14	9/7/2011	16	10/4/2011	16	11/8/2011	16	12/12/2011	16
	Chloride (mg/L)	128		NA		134		NA		128		127		126		145		122		124						
	Uranium (ug/L)	8.32		NA		5.97		NA		6.49		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
	Fluoride (mg/L)	0.51		NA		0.34		NA		0.34		NA		NA		NA		0.33		NA		0.37		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	2/11/2011	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	21	12/12/2011	21
	TDS (mg/L)	1320		1240		1220		1250		1370		1290		1330		1280		1300		1300		1320		1330		
	Chloride (mg/L)	143		NS		145		NA		143		143		145		148		148		148		145		148		
	Selenium (ug/L)	71		NS		64.6		NA		65.2		NS		NS		NS		66.2		NS		68.8		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		<0.50		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		NA		6.49		NA		6.59		6.51		6.90
	Selenium (ug/L)	12.5		NA		ND		NA		ND		NA		NA		NA		NA		9.3		10.5		NA		NA
	Uranium (ug/L)	7.5		NA		12.7		NA		21.7		NA		NA		NA		24.2		NA		20.1		24		23.6
Required Semi-Annual Sampling Wells																										
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	NS	NA	NS	NA	4/11/2011	18	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	10/11/2011	17	NS	NA	NS	NA
	Field pH (S.U.)	6.77 - 8.5		NA		NA		7.06 (7.67)		NA		NA		NA		NA		7.08 (7.51)		NA		NA				
	Sulfate (mg/L)	838		NA		NA		704		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		6.32		NA		6.53 (6.83)		NA		NA		
	Beryllium (ug/L)	2		NA		<0.5		NA		<0.5		NA		NA		NA		<0.5		NA		<0.5		NA		
	Cadmium (ug/L)	4.67		NA		1.26		NA		1.26		NA		NA		1.01		NA		1.01		NA				
	Zinc (ug/L)	173.19		NA		104		NA		104		NA		NA		74		NA		74		NA				
	Thallium (ug/l)	1.6		NA		1.02		NA		1.02		NA		NA		1.38		NA		1.38		NA				
	Sulfate (mg/L)	3663		NA		3060		NA		3060		NA		NA		3470		NA		3470		NA				
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		0.3		NA		0.3		NA		NA		0.3		NA		0.3		NA				
	Tetrahydrofuran (ug/L)	23		NA		1		NA		1		NA		NA		<1.0		NA		<1.0		NA				
	Manganese (ug/L)	4233		NA		223		NA		223		NA		NA		94		NA		94		NA				
Fluoride (Mg/L)	0.68	NA	0.69	NA	0.68	NA	NA	0.96	NA	0.96	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		3350		NA		3350		NA		3560		NA		3750		NA		3750				
	Selenium (ug/L)	89		NA		85.8		NA		85.8		NA		88.5		NA		95		NA		95				
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		6.73		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		6.88		NA		NA		NA		NA		NA		6.70		NA		NA		

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	Q1 2011 Results					Q2 2011 Results					Q3 2011 Results					Q4 2011 Results								
			January 2011 Monthly Sample Date	January 2011 Monthly Sample Result	Q1 2011 Sample Date	Q1 2011 Result	March 2011 Monthly Sample Date	March 2011 Monthly Result	Q2 2011 Sample Date	Q2 2011 Result	May 2011 Monthly Sample Date	May 2011 Monthly Result	June 2011 Monthly Sample Date	June 2011 Monthly Result	July 2011 Monthly Sample Date	July 2011 Monthly Result	Q3 2011 Sample Date	Q3 2011 Result	September 2011 Monthly Sample Date	September 2011 Monthly Result	Q4 2011 Sample Date	Q4 2011 Result	November 2011 Monthly Sample Date	November 2011 Monthly Result	December 2011 Monthly Sample Date	December 2011 Monthly Result
Required Semi-Annual Sampling Wells, continued																										
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	2/15/2011	3.49	NS	NA	4/6/2011	3.74	NS	NA	NS	NA	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		1910		NA		2020		NA		6.55 (6.63)		NA		NA
	Field pH (S.U.)	6.25-8.5		NA		6.27		NA		6.71		NA		5.95 (6.30)		NA		6.55 (6.63)		NA		6.55 (6.63)		NA		NA
	TDS (mg/L)	3198.77		NA		3250		NA		3250		NA		3190		NA		3220		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		NS		NA		NS		NA		NS		NA		4.0
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		0.19		NA		NA		NA		NA		NA		0.36		NA		NA		NA		
	Sulfate (mg/L)	2903		NA		2560		NA		2560		NA		NA		NA		2500		NA		2500		NA		
	Thallium (ug/L)	1		NA		1.07		NA		1.07		NA		NA		NA		0.62		NA		0.62		NA		
	Field pH (S.U.)	6.5 - 8.5		NA		6.12		NA		6.12		NA		NA		NA		6.44		NA		6.44		NA		
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	2/9/2011	6	NS	NA	4/5/2011	6.4	NS	NA	NS	NA	NS	NA	8/8/2011	6	NS	NA	10/5/2011	6.3	NS	NA	NS	NA
	Chloride (mg/L)	38		NA		43		NA		43		NA		44		NA		44		NA		44		NA		
	Sulfate (mg/L)	462		NA		442		NA		442		NA		424		NA		456		NA		456		NA		
	Field pH (S.U.)	6.5 - 8.5		NA		6.71		NA		6.79		NA		6.39		NA		7.17		NA		7.17		NA		
	TDS (mg/L)	1075		NA		1090		NA		1190		NA		1090		NA		1110		NA		1110		NA		
	Gross Alpha minus Rn & U (pCi/L)	2		NA		0.7		NA		1.1		NA		0.8		NA		1.5		NA		1.5		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		4.13		NA		3.99		NA		3.99		NA		3.99		NA		3.99		NA		
	Uranium (ug/L)	4.9		NA		3.29		NA		3.29		NA		3.19		NA		3.19		NA		3.19		NA		
	Vanadium (ug/L)	30		NA		<15.0		NA		<15.0		NA		<15.0		NA		<15.0		NA		<15.0		NA		
	Field pH (S.U.)	6.1 - 8.5		NA		6.01		NA		6.01		NA		5.78		NA		6.07 (6.11)		NA		6.07 (6.11)		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		2600		NA		2600		NA		2850		NA		2850		NA		2850		NA		
	Field pH (S.U.)	6.46 - 8.5		NA		6.45		NA		6.45		NA		6.20		NA		6.52		NA		6.52		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		33		NA		33		NA		34		NA		34		NA		34		NA		
	Field pH (S.U.)	6.4 - 8.5		NA		5.99		NA		6.14		NA		6.10 (6.20)		NA		6.35		NA		6.35		NA		

Notes:

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

NS = Not Required and Not Sampled

NA = Not Applicable

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 Second Quarter 2016 under the August 24, 2012 GWDP

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	Q1 2012 Results						Q2 2012 Results						Q3 2012 Results						Q4 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	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		30		NA		33		NA		33		NA		33		NA		33	NA	33	NA	33	NA	33	NA	33	NA	28.8	NA		
	Cadmium (ug/L)	1.5		NA		1.31		NA		1.33		NA		1.33		NA		1.33		NA		1.33		NA		1.24	NA	1.24	NA	1.24	NA	1.24	NA	1.24	NA	1.24	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		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		67		2.62		11/15/2012		52.9	12/24/2012	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													
	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		124		131		128		139		130		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													
	Fluoride (mg/L)	0.51	NS	NA		0.38		NA		NA		0.34		NA		0.33		NA		0.329		NA																	
	Selenium (ug/L)	34	1/24/2012	33.3		35		39.5		39.1		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		1460		1320		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		76.9		NA		NA													
	Field pH (S.U.)	6.5 - 8.5		6.78		7.37		7.13		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		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)	Chloride (mg/L)	22.1	NS	NA	NS	NA	NS	NA	NS	NA	5/1/2012	18	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/27/2012	18.5	NS	NA													
	Field pH (S.U.)	6.77 - 8.5		NA		NA		NA		NA		7.19		NA		NA		NA		NA		6.98		NA															
	Sulfate (mg/L)	838		NA		NA		NA		NA		659		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	NA	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		6.55		NA															
	Beryllium (ug/L)	2		NA		NA		NA		<0.5		NA		NA		NA		NA		<0.5		NA		NA															
	Cadmium (ug/L)	4.67		NA		NA		NA		1.06		NA		NA		NA		NA		0.954		NA																	
	Zinc (ug/L)	173.19		NA		NA		NA		68		NA		NA		NA		NA		46.1		NA																	
	Thallium (ug/l)	1.6		NA		NA		NA		1.37		NA		NA		NA		NA		1.16		NA																	
	Sulfate (mg/L)	3663		NA		NA		NA		3140		NA		NA		NA		NA		2340		NA																	
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		0.4		NA		NA		NA		NA		0.419		NA																	
	Tetrahydrofuran (ug/L)	23		NA		NA		NA		<1.0		NA		NA		NA		NA		<1.0		NA																	
	Manganese (ug/L)	4233		NA		NA		NA		114		NA		NA		NA		NA		89.1		NA																	
Fluoride (Mg/L)	0.68	NA	0.86	NA	NA	1.04	NA	0.96	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		3220		NA		3700		NA		2780		NA																			
	Selenium (ug/L)	89		NA		65.8		NA		85.1		NA		99.3		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		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		6.86		NA																	

Q1 2012 Results									Q2 2012 Results						Q3 2012 Results						Q4 2012 Results						
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	January 2012 Monthly Sample Date	January 2012 Monthly Result	Q1 2012 Sample Date	Q1 2012 Result	March 2012 Monthly Sample Date	March 2012 Monthly Result	April 2012 Monthly Sample Date	April 2012 Monthly Result	Q2 2012 Sample Date	Q2 2012 Result	June 2012 Monthly Sample Date	June 2012 Monthly Result	Q3 2012 Sample Date	Q3 2012 Result	August 2012 Monthly Sample Date	August 2012 Monthly Result	September 2012 Monthly Sample Date	September 2012 Monthly Result	October 2012 Monthly Sample Date	October 2012 Monthly Result	Q4 2012 Sample Date	Q4 2012 Result	December 2012 Monthly Sample Date	December 2012 Monthly Result	
Required Semi-Annual Sampling Wells, continued																											
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	2/27/2012	3.63	NS	NA	NS	NA	4/30/2012	3.51	NS	NA	7/18/2012	3.73	NS	NA	NS	NA	NS	NA	11/26/2012	3.2	NS	NA	
	Sulfate (mg/L)	1938.9		1920		NA		1790		NA		1900		NA		NA		1210									
	Field pH (S.U.)	6.25-8.5		6.6		NA		6.59		NA		6.64		NA		NA		6.51									
	TDS (mg/L)	3198.77		3230		NA		3280		NA		3220		NA		3160											
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		3.9		NA		3.7		NA		4		NA		3.96											
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	2/23/2012	2.25	NS	NA	NS	NA	5/10/2012	2.01	NS	NA	7/18/2012	4.7	NS	NA	NS	NA	NS	NA	11/29/2012	1.35	NS	NA	
	Fluoride (mg/L)	0.36		NA		0.14		NA		NA																	
	Sulfate (mg/L)	2903		NA		2490		NA		NA																	
	Thallium (ug/L)	1		0.96		0.74		NA		1.36																	
	Field pH (S.U.)	6.5 - 8.5		6.03		NA		6.21		NA		6.45		NA		6.01											
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	2/28/2012	6.4	NS	NA	NS	NA	5/1/2012	6.2	NS	NA	7/16/2012	6.7	NS	NA	NS	NA	NS	NA	11/13/2012	6.9	NS	NA	
	Chloride (mg/L)	38		45		NA		46		NA		47		NA		44.2											
	Sulfate (mg/L)	462		451		NA		446		NA		453		NA		451											
	Field pH (S.U.)	6.5 - 8.5		7.24		7.03		NA		7.40		NA		6.69													
	TDS (mg/L)	1075		1140		NA		1170		NA		1150		NA		1070											
	Gross Alpha minus Rn & U (pCi/L)	2		2.3		NA		0.8		NA		1.2		NA		1.33											
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	2/28/2012	109	NS	NA	NS	NA	5/8/2012	114	NS	NA	7/16/2012	105	NS	NA	NS	NA	NS	NA	11/14/2012	115	NS	NA	
	Cadmium (ug/L)	5.2		NA		3.85		NA		NA		4.37															
	Uranium (ug/L)	4.9		NA		3.44		NA		NA		3.45															
	Vanadium (ug/L)	30		NA		<15.0		NA		NA		<15.0															
	Field pH (S.U.)	6.1 - 8.5		6.22		6.15		NA		6.38 (5.81)		NA		5.98													
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		2750		NA		NA		1340															
	Field pH (S.U.)	6.46 - 8.5		7.12		6.47		NA		6.68 (6.45)		NA		6.48													
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		33		NA		NA		32.1															
	Field pH (S.U.)	6.4 - 8.5		6.57		6.40		NA		6.72		NA		6.23													

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 Second Quarter 2016 under the August 24, 2012 GWDP

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	Q1 2013 Results						Q2 2013 Results						Q3 2013 Results						Q4 2013 Results					
			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
	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		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
	Fluoride (mg/L)	0.51		NA		0.373		NA		NA		0.331		NA		0.368		NA		NA		0.335		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
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	80.7		74.5	79.8										
Field pH (S.U.)		6.5 - 8.5	6.94	7.32	7.28		7.28	6.37	7.92		7.10	6.98	7.36		7.06	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)	Chloride (mg/L)	22.1	NS	NA	3/12/2013	NA	NS	NA	NS	NA	5/21/2013	17.8	NS	NA	7/23/2013	NA	NS	NA	NS	NA	NS	NA	12/4/2013	18.7	NS	NA
	Field pH (S.U.)	6.77 - 8.5		NA		6.77		NA		NA		7.57		NA		7.04		NA		NA		7.04		NA		NA
	Sulfate (mg/L)	838		NA		761		NA		NA		839		NA		911		NA		NA		930		NA		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		6.78		NA		NA
	Beryllium (ug/L)	2		NA		NA		NA		NA		<0.5		NA		NA		NA		<0.5		NA		NA		
	Cadmium (ug/L)	4.67		NA		NA		NA		NA		1.42		NA		NA		NA		<0.5		NA		NA		
	Zinc (ug/L)	173.19		NA		NA		NA		NA		72.1		NA		NA		NA		20.3		NA		NA		
	Thallium (ug/l)	1.6		NA		NA		NA		NA		1.21		NA		NA		NA		1.1		NA		NA		
	Sulfate (mg/L)	3663		NA		NA		NA		NA		2180		NA		NA		NA		3760		NA		NA		
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		0.456		NA		NA		NA		1.21		NA		NA		
	Tetrahydrofuran (ug/L)	23		NA		NA		NA		NA		<1.0		NA		NA		NA		4.86		NA		NA		
	Manganese (ug/L)	4233		NA		NA		NA		NA		99.1		NA		NA		NA		975		NA		NA		
Fluoride (Mg/L)	0.68	NA	0.902	NA	NA	0.994	NA	1.18	NA	1.28	NA	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		3360		NA		NA		
	Selenium (ug/L)	89		NA		88.7		NA		NA		75.6		NA		79.7		NA		77.9		NA		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
	Selenium (ug/L)	25		NA		19.6		NA		NA		19		NA		20.5		NA		21.7		NA		NA		
MW-12 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	3/6/2013	6.56	NS	NA	NS	NA	5/15/2013	7.19	NS	NA	7/17/2013	6.60	NS	NA	NS	NA	NS	NA	12/9/2013	6.69	NS	NA
	Selenium (ug/L)	128.7		NA		137		NA		NA		120		NA		100		NA		106		NA		NA		
MW-15 (Class III)	Field pH (S.U.)	6.62 - 8.5	NS	NA	3/5/2013	6.75	NS	NA	NS	NA	5/15/2013	7.27	NS	NA	7/18/2013	6.68	NS	NA	NS	NA	NS	NA	11/20/2013	6.61	NS	NA

Q1 2013 Results				Q2 2013 Results						Q3 2013 Results						Q4 2013 Results											
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	January 2013 Monthly Sample Date	January 2013 Monthly Result	Q1 2013 Sample Date	Q1 2013 Result	March 2013 Monthly Sample Date	March 2013 Monthly Result	April 2013 Monthly Sample Date	April 2013 Monthly Result	Q2 2013 Sample Date	Q2 2013 Result	June 2013 Monthly Sample Date	June 2013 Monthly Result	Q3 2013 Sample Date	Q3 2013 Result	August 2013 Monthly Sample Date	August 2013 Monthly Result	September 2013 Monthly Sample Date	September 2013 Monthly Result	October 2013 Monthly Sample Date	October 2013 Monthly Result	Q4 2013 Sample Date	Q4 2013 Result	December 2013 Monthly Sample Date	December 2013 Monthly Result	
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		NA		1860		NA		1860		NA		NA		NA		2000		NA		NA			
	Field pH (S.U.)	6.25-8.5		NA		NA		6.35		NA		6.97		NA		NA		6.45		NA		NA		6.38		NA	
	TDS (mg/L)	3198.77		NA		NA		3350		NA		3160		NA		NA		3170		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		NA		3.61		NA		4.21		NA		3.66		NA		NA		3.70		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		0.211		NA		0.288		NA		NA		0.310		NA					
	Sulfate (mg/L)	2903		NA		NA		2070		NA		NA		NA		NA		2490		NA		NA					
	Thallium (ug/L)	1		NA		0.88		NA		0.618		NA		1.64		NA		0.707		NA		NA					
	Field pH (S.U.)	6.5 - 8.5		NA		6.29		NA		6.77		NA		5.80		NA		6.08		NA		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		44.3		NA		44.2		NA		45.0		NA							
	Sulfate (mg/L)	462		NA		431		NA		497		NA		NA		NA		442		NA							
	Field pH (S.U.)	6.5 - 8.5		NA		7.03		NA		7.58		NA		7.00		NA		7.16		NA							
	TDS (mg/L)	1075		NA		1140		NA		1110		NA		1110		NA		1100		NA							
	Gross Alpha minus Rn & U (pCi/L)	2		NA		<1.0		NA		1.57		NA		<1.00		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		4.61		NA		NA		4.74		NA											
	Uranium (ug/L)	4.9		NA		NA		3.58		NA		NA		3.34		NA											
	Vanadium (ug/L)	30		NA		NA		<15.0		NA		NA		<15.0		NA											
	Field pH (S.U.)	6.1 - 8.5		NA		6.00		NA		6.63		NA		5.97		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		2450		NA		2750		NA		2750		NA											
	Field pH (S.U.)	6.46 - 8.5		NA		6.36		NA		6.88		NA		6.37		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		32.3		NA		NA		33.7		NA													
	Field pH (S.U.)	6.4 - 8.5		NA		6.52		NA		7.10		NA		6.39		NA		6.29		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 Second Quarter 2014 under the August 24, 2012 GWDP

Q1 2014 Results																										Q2 2014 Results										Q3 2014 Results										Q4 2014 Results									
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2014 Monthly Sample Date	January 2014 Monthly Result	February 2014 Monthly Sample Date	February 2014 Monthly Result	Q1 2014 Sample Date	Q1 2014 Result	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		30.4		31.5		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		1.41		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		6.04		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		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		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		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)																													
	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		144		128		140		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		7.65		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																													
	Fluoride (mg/L)	0.51		NA		0.332		0.357		NA		0.342		NA		NA		0.40		NA		0.262		NA																															
	Selenium (ug/L)	34		35.6		35.8		38.0		32.8		37.0		35.4		42.9		48.5		53.6		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		1520		1450																															
	Chloride (mg/L)	143		194		197		230		230		200		173		200		210		210		204		215																															
	Selenium (ug/L)	71		74.4		75.8		77.2		85.4		74.5		69.4		77.9		82.8		81.5		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		6.69		6.73																															
	Sulfate (mg/L)	532		558		480		681		527		639		555		600		620		560		606		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		0.6		<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		4.54																																	
	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		6.35		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		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		19.6		20.3																															
Required Semi-Annual Sampling Wells																																																							
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	NS	NA	2/20/2014	NA	NS	NA	NS	NA	5/28/2014	20.4	NS	NA	NS	NA	9/10/2014	NA	NS	NA	11/17/2014	19	NS	NA																													
	Field pH (S.U.)	6.77 - 8.5		NA		NA		6.61		NA		NA		7.11		NA		6.75		NA		6.87		NA																															
	Sulfate (mg/L)	838		NA		NA		836		NA		NA		909		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		6.13		NA		6.37		NA																															
	Beryllium (ug/L)	2		NA		NA		NA		NA		NA		<0.5		NA		NA		<0.5		NA		NA																															
	Cadmium (ug/L)	4.67		NA		NA		NA		NA		NA		1.7		NA		NA		2		NA																																	
	Zinc (ug/L)	173.19		NA		NA		NA		NA		NA		94.5		NA		NA		98.3		NA																																	
	Thallium (ug/l)	1.6		NA		NA		NA		NA		NA		1.28		NA		NA		1.32		NA																																	
	Sulfate (mg/L)	3663		NA		NA		NA		NA		NA		3460		NA		NA		3800		NA																																	
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		NA		0.573		NA		NA		0.330		NA																																	
	Tetrahydrofuran (ug/L)	23		NA		NA		NA		NA		NA		<1.0		NA		NA		<1.0		NA																																	
	Manganese (ug/L)	4233		NA		NA		NA		NA		NA		104		NA		NA		87.000		NA																																	
Fluoride (Mg/L)	0.68	NA	NA	NA	NA	NA	0.771	NA	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		3350		NA		3770		NA																															
	Selenium (ug/L)	89		NA		NA		92.1		NA		NA		104		NA		129		NA		88.5		NA																															
MW-05 (Class II)	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																													
	Selenium (ug/L)	25		NA		NA		23.7		NA		NA		17.20		NA		NA		33.30		NA																																	
MW-12 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	NS	NA	2/12/2014	6.13	NS	NA	NS	NA	6/4/2014	7.10	NS	NA	NS	NA	9/16/2014	6.47	NS	NA	11/11/2014	6.25	NS	NA																													
	Selenium (ug/L)	128.7		NA		NA		110		NA		NA		105		NA		273		NA		106		NA																															
MW-15 (Class III)	Field pH (S.U.)	6.62 - 8.5	NS	NA	NS	NA	2/25/2014	6.51	NS	NA	NS	NA	6/4/2014	6.91	NS	NA	NS	NA	9/2/2014	6.38	NS	NA	11/12/2014	6.41	NS	NA																													

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current 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	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		NA		1810
	Field pH (S.U.)	6.25-8.5		NA		NA		6.16		NA		NA		7.04		NA		NA		6.40		NA		NA		6.10
	TDS (mg/L)	3198.77		NA		NA		3080		NA		NA		3260		NA		NA		3180		NA		NA		2960
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		NA		2.91
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		NA		0.109
	Sulfate (mg/L)	2903		NA		NA		NA		NA		NA		2450		NA		NA		NA		NA		3120		
	Thallium (ug/L)	1		NA		NA		1.85		NA		NA		1.23		NA		NA		0.6		NA		NA		0.821
	Field pH (S.U.)	6.5 - 8.5		NA		NA		5.89		NA		NA		6.07		NA		NA		5.09		NA		NA		5.69
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		NA		42.6
	Sulfate (mg/L)	462		NA		NA		411		NA		NA		484		NA		NA		414		NA		NA		419
	Field pH (S.U.)	6.5 - 8.5		NA		NA		6.62		NA		NA		7.80		NA		NA		6.97		NA		NA		6.70
	TDS (mg/L)	1075		NA		NA		1040		NA		NA		1040		NA		NA		1020		NA		NA		1090
	Gross Alpha minus Rn & U (pCi/L)	2		NA		NA		1.08		NA		NA		2.33		NA		NA		1.16		NA		NA		<1.0
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		5.41		NA		NA		4.7		NA		NA		4.15						
	Uranium (ug/L)	4.9		NA		NA		61.3		NA		NA		10.6		NA		NA		21.2						
	Vanadium (ug/L)	30		NA		NA		109		NA		NA		18.5		NA		NA		29.3						
	Field pH (S.U.)	6.1 - 8.5		NA		NA		6.01		NA		NA		6.78		NA		NA		5.79		NA		NA		5.72
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		2510		NA		NA		NA		2760										
	Field pH (S.U.)	6.46 - 8.5		NA		NA		6.78		NA		NA		7.98		NA		NA		6.10		NA		NA		6.11
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		35.6		NA		NA		NA		33.3										
	Field pH (S.U.)	6.4 - 8.5		NA		NA		6.15		NA		NA		6.64		NA		NA		6.17		NA		NA		6.08

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.

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	Q1 2015 Results				Q2 2015 Results				Q3 2015 Results				Q4 2015 Results											
			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	October 2015 Monthly Sample Date	October 2015 Monthly Result	Q4 2015 Sample Date	Q4 2015 Result	December 2015 Monthly Sample Date	December 2015 Monthly Result
Required Semi-Annual Sampling Wells, continued																										
MW-18 (Class III)	Thallium (ug/l)	1.95	NA		2.89	NA		2.81	NA		NA		NA		2.69	NA		NA		NA		2.68	NA		NA	
	Sulfate (mg/L)	1938.9	NA		1810	NA		1790	NA		NA		NA		1990	NA		NA		NA		2000	NA		NA	
	Field pH (S.U.)	6.25-8.5	NS	2/3/2015	6.27	NS	4/15/2015	6.40	NS	7/27/2015	6.43	NS	11/9/2015	6.30	NS	11/9/2015	6.30	NS	11/9/2015	6.30	NS	11/9/2015	6.30	NS	11/9/2015	6.30
	TDS (mg/L)	3198.77	NA		3240	NA		3350	NA		3190	NA		3000	NA		3000	NA		3000	NA		3000	NA		3000
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	2/2/2015	6.45	NS	4/14/2015	6.79	NS	7/27/2015	6.78	NS	11/10/2015	6.70	NS	11/10/2015	6.70	NS	11/10/2015	6.70	NS	11/10/2015	6.70	NS	11/10/2015	6.70
	Nitrate + Nitrite (as N) (mg/L)	2.83	NA		2.91	NA		3.58	NA		2.82	NA		2.23	NA		2.23	NA		2.23	NA		2.23	NA		2.23
MW-24 (Class III)	Cadmium (ug/L)	2.5	NA		3.31	NA		1.79	NA		1.88	NA		1.88	NA		1.88	NA		1.88	NA		3.75	NA		NA
	Fluoride (mg/L)	0.36	NA		0.397	NA		0.293	NA		0.388	NA		0.388	NA		0.388	NA		0.388	NA		0.372	NA		NA
	Sulfate (mg/L)	2903	NA	2/12/2015	2620	NS		2840	NS	7/29/2015	2880	NS	11/18/2015	2790	NS	11/18/2015	2790	NS	11/18/2015	2790	NS	11/18/2015	2790	NS	11/18/2015	2790
	Thallium (ug/L)	1	NA		1.27	NA		0.796	NA		0.85	NA		1.37	NA		1.37	NA		1.37	NA		1.37	NA		NA
	Field pH (S.U.)	6.5 - 8.5	NS		6.21	NS	5/28/2015 6/24/2015	5.39, 5.98	NS		5.49	NS		5.48	NS		5.48	NS		5.48	NS		5.48	NS		5.48
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NA		3.15	NA		6.27	NA		7.35	NA		7.35	NA		7.35	NA		7.35	NA		5.60	NA		NA
	Chloride (mg/L)	38	NA		44.2	NA		47.6	NA		43.7	NA		43.7	NA		43.7	NA		43.7	NA		42.9	NA		NA
	Sulfate (mg/L)	462	NA	2/9/2015	402	NS	4/20/2015	429	NS	7/21/2015	425	NS	11/10/2015	430	NS	11/10/2015	430	NS	11/10/2015	430	NS	11/10/2015	430	NS	11/10/2015	430
	Field pH (S.U.)	6.5 - 8.5	NS		6.82	NS		7.09	NS		6.84	NS		6.48	NS		6.48	NS		6.48	NS		6.48	NS		6.48
	TDS (mg/L)	1075	NA		996	NA		1040	NA		1010	NA		1000	NA		1000	NA		1000	NA		1000	NA		1000
	Gross Alpha minus Rn & U (pCi/L)	2	NA		<1.0	NA		<1.0	NA		<1.0	NA		<1.0	NA		<1.0	NA		<1.0	NA		<1.0	NA		<1.0
MW-28 (Class III)	Chloride (mg/L)	105	NA		130	NA		125	NA		113	NA		113	NA		113	NA		113	NA		116	NA		NA
	Cadmium (ug/L)	5.2	NA		4.83	NA		4.59	NA		4.97	NA		4.73	NA		4.73	NA		4.73	NA		4.73	NA		NA
	Uranium (ug/L)	4.9	NA	2/9/2015	4.48	NS	4/21/2015	6.13	NS	7/21/2015	4.87	NS	11/10/2015	4.84	NS	11/10/2015	4.84	NS	11/10/2015	4.84	NS	11/10/2015	4.84	NS	11/10/2015	4.84
	Vanadium (ug/L)	30	NA		<15.0	NA		<15.0	NA		<15.0	NA		<15.0	NA		<15.0	NA		<15.0	NA		<15.0	NA		NA
	Field pH (S.U.)	6.1 - 8.5	NS		5.86	NS	4/21/2015 4/27/2015	6.08, 6.17	NS		5.91	NS		6.22	NS		6.22	NS		6.22	NS		6.22	NS		6.22
MW-29 (Class III)	TDS (mg/L)	4400	NA		4430	NA		4190	NA		4310	NA		4110	NA		4110	NA		4110	NA		4110	NA		4110
	Sulfate (mg/L)	2946	NA	2/10/2015	NA	NS	4/30/2015	2960	NS	7/22/2015	NA	NS	11/16/2015	2740	NS	11/16/2015	2740	NS	11/16/2015	2740	NS	11/16/2015	2740	NS	11/16/2015	2740
	Field pH (S.U.)	6.46 - 8.5	NS		6.42	NS		6.36	NS		6.30	NS		6.37	NS		6.37	NS		6.37	NS		6.37	NS		6.37
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NA	2/9/2015	2.19	NS	4/8/2015	1.81	NS	7/23/2015	1.89	NS	11/3/2015	2.19	NS	11/3/2015	2.19	NS	11/3/2015	2.19	NS	11/3/2015	2.19	NS	11/3/2015	2.19
	Chloride (mg/L)	35.39	NA	3/17/2015	38.1	NS		37.8	NS		37.3	NS		34.1	NS		34.1	NS		34.1	NS		34.1	NS		34.1
	Field pH (S.U.)	6.4 - 8.5	NS	2/9/2015	6.29	NS		6.37	NS		6.26	NS		6.41	NS		6.41	NS		6.41	NS		6.41	NS		6.41

Notes:

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

NS = Not Required and Not Sampled

NR = Required and Not Reported

NA = Not Applicable

Exceedances are shown in yellow

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

Table 3 – GWCL Exceedances for Second Quarter 2016 under the August 24, 2012 GWDP

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL In August 24, 2012 GWDP	Q1 2016 Results						Q2 2016 Results						Sample Frequency
			January 2016 Monthly Sample Date	January 2016 Monthly Result	Q1 2016 Sample Date	Q1 2016 Result	March 2016 Monthly Sample Date	March 2016 Monthly Result	April 2016 Monthly Sample Date	April 2016 Monthly Result	Q2 2016 Sample Date	Q2 2016 Result	June 2016 Monthly Sample Date	June 2016 Monthly Result	
Required Quarterly Sampling Wells															
MW-11 (Class II)	Manganese (ug/L)	131.29	1/20/2016	197	2/8/2016	217	3/3/2016	155	4/12/2016	166	5/3/2016	159	6/14/2016	158	Quarterly
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/19/2016	6.27	2/15/2016	6.55	3/3/2016	6.66	4/13/2016	6.38	5/4/2016	6.28	6/14/2016	6.24	Quarterly
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/19/2016	6.18	2/8/2016	6.50	3/2/2016	6.57	4/12/2016	6.51	5/3/2016	6.24	6/14/2016	6.25	Quarterly
	Chloride (mg/L)	35		29.6		31.6		30.9		31.5		30.8		31.2	Quarterly
	Cadmium (ug/L)	1.5		1.37		1.51		1.42		1.39		1.43		1.43	Quarterly
	Uranium (ug/L)	6.5		6.54		6.16		6.22		6.03		6.30		5.99	Quarterly
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/20/2016	0.943	2/16/2016	1.66	3/2/2016	1.95	4/13/2016	0.990	5/4/2016	1.85	6/15/2016	1.66	Quarterly
	Uranium (ug/L)	41.8		29.3		30.4		67.7		53.9		39.7		52.7	Quarterly
	Chloroform (ug/L)	70		2370		3530		2280		2060		1720		1860	Quarterly
	Chloride (mg/L)	58.31		63.5		69.1		76.8		67.4		68.1		81.6	Quarterly
	Field pH (S.U.)	6.74 - 8.5		6.27		5.98		6.35		6.50		6.19		6.29	Quarterly
	Methylene Chloride (ug/L)	5		4.73		8.68		3.93		5.62		3.63		4.12	Quarterly
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/20/2016	14.6	2/10/2016	20.0	3/2/2016	17.8	4/13/2016	18	5/4/2016	17.3	6/14/2016	18.5	Quarterly
	Chloride (mg/L)	128		143		145		142		144		139		142	Quarterly
	Uranium (ug/L)	8.32		8.34		7.76		7.82		7.55		8.18		7.66	Quarterly
	Field pH (S.U.)	6.5 - 8.5		6.45		6.94		6.51		6.84		6.30		6.28	Quarterly
	Fluoride (mg/L)	0.51		NA		0.360		<10.00		0.359		0.346		0.36	Quarterly
	Selenium (ug/L)	34		41.7		42.5		43.2		41.0		42.5		41.8	Quarterly
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/19/2016	18.9	2/15/2016	18.8	3/2/2016	18.0	4/12/2016	22.8	5/3/2016	18.6	6/15/2016	19.2	Quarterly
	TDS (mg/L)	1320		1560		1490		1580		1710		1550		1580	Quarterly
	Chloride (mg/L)	143		228		246		228		254		243		252	Quarterly
	Selenium (ug/L)	71		85.1		81.0		85.7		81.6		84.6		83.3	Quarterly
	Field pH (S.U.)	6.5 - 8.5		7.04		7.21		6.83		6.93		6.48		7.01	Quarterly
	Sulfate (mg/L)	532		675		631		654		715		699		748	Quarterly
MW-35 (Class II)	Manganese (ug/L)	200	1/19/2016	211	2/10/2016	194	3/2/2016	194	4/12/2016	213	5/3/2016	203	6/15/2016	228	Quarterly
	Thallium (ug/l)	0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	Quarterly
	Gross Alpha minus Rn & U (pCi/L)	3.75		6.95		2.42		3.88		3.65		3.22		5.39	Quarterly
	Field pH (S.U.)	6.5 - 8.5		6.35		6.70		6.53		6.51		6.22		6.20	Quarterly
	Selenium (ug/L)	12.5		8.62		14.4		20.2		9.2		12.9		6.18	Quarterly
	Uranium (ug/L)	7.5		21.1		20.8		21.8		19.9		21.2		19.4	Quarterly
Required Semi-Annual Sampling Wells															
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	2/10/2016	22.1	NS	NA	NS	NA	4/20/2016	22.0	NS	NA	Semi-Annually
	Field pH (S.U.)	6.77 - 8.5		NA		7.06		NA		NA		6.36		NA	Semi-Annually
	Sulfate (mg/L)	838		NA		812		NA		NA		825		NA	Semi-Annually
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	2/16/2016	<5.00	NS	NA	NS	NA	4/26/2016	<5.00	NS	NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		6.21		NA		NA		6.15		NA	Semi-Annually
	Beryllium (ug/L)	2		NA		0.694		NA		NA		0.625		NA	Semi-Annually
	Cadmium (ug/L)	4.67		NA		3.71		NA		NA		4.71		NA	Semi-Annually
	Zinc (ug/L)	173.19		NA		4210		NA		NA		2580		NA	Semi-Annually
	Thallium (ug/l)	1.6		NA		1.46		NA		NA		1.54		NA	Semi-Annually
	Sulfate (mg/L)	3663		NA		3230		NA		NA		3350		NA	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		<0.100		NA		NA		<0.100		NA	Semi-Annually
	Tetrahydrofuran (ug/L)	23		NA		11.6		NA		NA		36.1		NA	Semi-Annually
	Manganese (ug/L)	4233		NA		2820		NA		NA		4560		NA	Semi-Annually
Fluoride (mg/L)	0.68	NA	1.33	NA	NA	1.13	NA	Semi-Annually							
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/16/2016	7.08	NS	NA	NS	NA	4/27/2016	6.43	NS	NA	Semi-Annually
	Sulfate (mg/L)	3640		NA		3580		NA		3580		NA		Semi-Annually	
	Selenium (ug/L)	89		NA		91.5		NA		103		NA		Semi-Annually	
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/15/2016	1.15	NS	NA	NS	NA	4/21/2016	0.869	NS	NA	Semi-Annually
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	2/4/2016	23.8	NS	NA	NS	NA	4/21/2016	31.2	NS	NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		6.36		NA		NA		6.31		NA	Semi-Annually
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	2/4/2016	123	NS	NA	NS	NA	4/27/2016	126	NS	NA	Semi-Annually
	Field pH (S.U.)	6.62 - 8.5		NA		6.30		NA		NA		6.02		NA	Semi-Annually

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	Q1 2016 Results				Q2 2016 Results				Sample Frequency				
			January 2016 Monthly Sample Date	January 2016 Monthly Result	Q1 2016 Sample Date	Q1 2016 Result	March 2016 Monthly Sample Date	March 2016 Monthly Result	April 2016 Monthly Sample Date	April 2016 Monthly Result		Q2 2016 Sample Date	Q2 2016 Result	June 2016 Monthly Sample Date	June 2016 Monthly Result
Required Semi-Annual Sampling Wells, continued															
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	2/9/2016	2.67	NS	NA	NS	NA	4/19/2016	2.77	NS	NA	Semi-Annually
	Sulfate (mg/L)	1938.9		NA		1890		NA		NA		1890		NA	
	Field pH (S.U.)	6.25-8.5		NA		6.10		NA		NA		5.93		NA	
	TDS (mg/L)	3198.77		NA		3130		NA		NA		3190		NA	
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	2/9/2016	6.76	NS	NA	NS	NA	4/19/2016	6.25	NS	NA	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		2.44		NA		NA		2.63		NA	
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	2/17/2016	6.31	NS	NA	NS	NA	4/28/2016	6.07	NS	NA	Semi-Annually
	Fluoride (mg/L)	0.36		NA		0.117		NA		NA		0.446		NA	
	Sulfate (mg/L)	2903		NA		2750		NA		NA		2760		NA	
	Thallium (ug/L)	1		NA		2.04		NA		NA		2.10		NA	
	Field pH (S.U.)	6.5 - 8.5		NA		5.95		NA		NA		4.83		NA	
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	2/2/2016	6.50	NS	NA	NS	NA	4/20/2016	7.40	NS	NA	Semi-Annually
	Chloride (mg/L)	38		NA		47.3		NA		NA		43.1		NA	
	Sulfate (mg/L)	462		NA		439		NA		NA		418		NA	
	Field pH (S.U.)	6.5 - 8.5		NA		6.59		NA		NA		6.54		NA	
	TDS (mg/L)	1075		NA		1050		NA		NA		1020		NA	
	Gross Alpha minus Rn & U (pCi/L)	2		NA		<1.0		NA		NA		<1.0		NA	
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	2/2/2016	130	NS	NA	NS	NA	4/20/2016	121	NS	NA	Semi-Annually
	Cadmium (ug/L)	5.2		NA		5.26		NA		NA		4.90		NA	
	Uranium (ug/L)	4.9		NA		4.61		NA		NA		3.95		NA	
	Vanadium (ug/L)	30		NA		<15.0		NA		NA		<15.0		NA	
	Field pH (S.U.)	6.1 - 8.5		NA		5.46		NA		NA		5.73		NA	
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	2/10/2016	4410	NS	NA	NS	NA	4/27/2016	4100	NS	NA	Semi-Annually
	Sulfate (mg/L)	2946		NA		2710		NA		NA		2730		NA	
	Field pH (S.U.)	6.46 - 8.5		NA		6.47		NA		NA		6.03		NA	
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	2/3/2016	2.17	NS	NA	NS	NA	4/20/2016	2.18	NS	NA	Semi-Annually
	Chloride (mg/L)	35.39		NA		38.2		NA		NA		36.3		NA	
	Field pH (S.U.)	6.4 - 8.5		NA		5.99		NA		NA		6.06		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.

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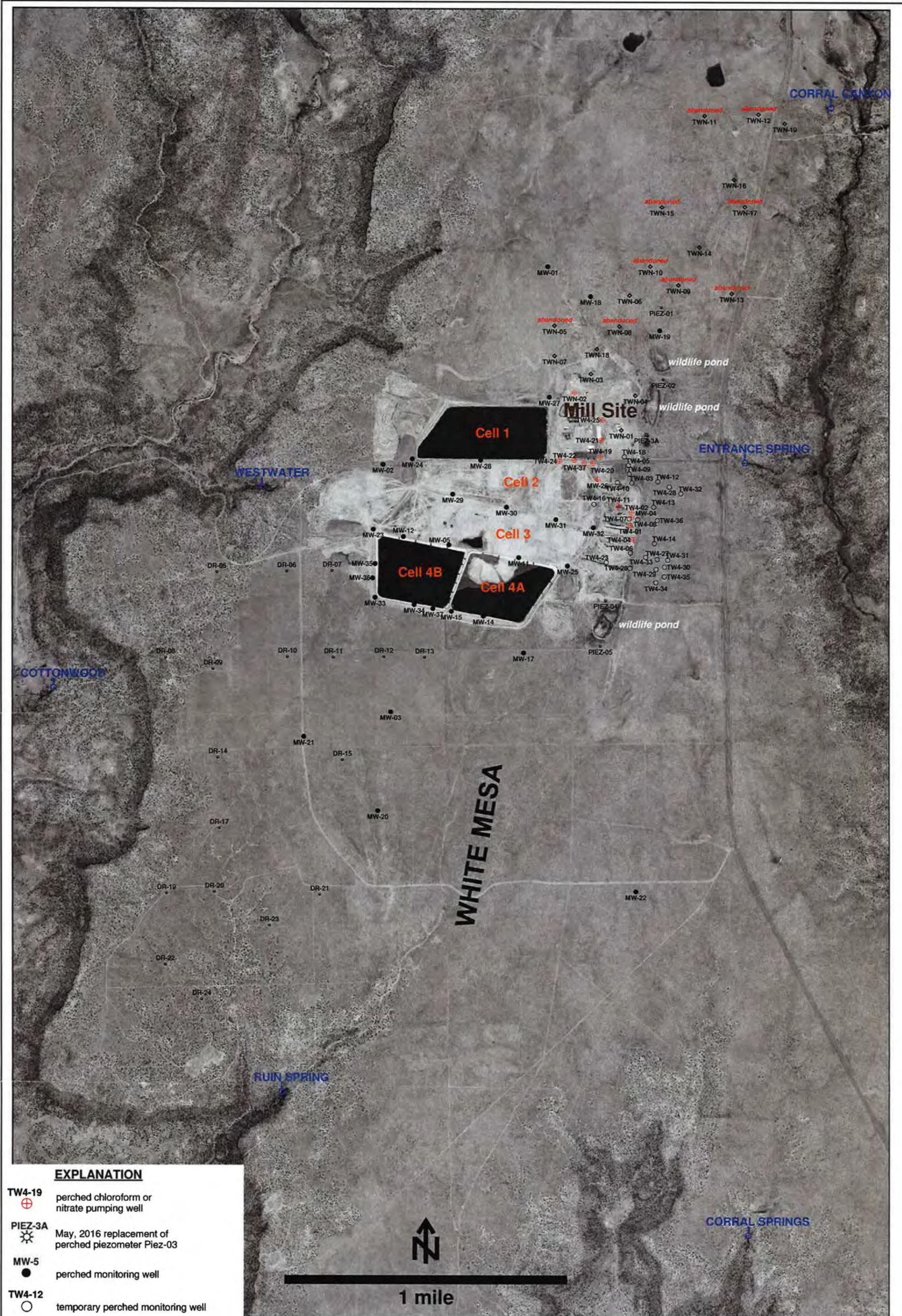
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Tab A

Site Plan and Perched Well Locations White Mesa Site



EXPLANATION

- TW4-19 perched chloroform or nitrate pumping well
- PIEZ-3A May, 2016 replacement of perched piezometer Piez-03
- MW-5 perched monitoring well
- TW4-12 temporary perched monitoring well
- TWN-7 temporary perched nitrate monitoring well
- PIEZ-1 perched piezometer
- RUIN SPRING seep or spring



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WHITE MESA SITE PLAN SHOWING LOCATIONS OF PERCHED WELLS AND PIEZOMETERS

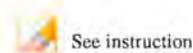
APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/aug16/Uwelloc0616.srf	A-1

Tab B

Field Data Worksheets Quarterly Sampling



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

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

Field Sample ID MW-01_04202016

Date and Time for Purging 4/20/2016 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 μ MHOS/ cm Well Depth(0.01ft): 118.00

Depth to Water Before Purging 64.15 Casing Volume (V) 4" Well: 0 (.653h)
 3" Well: 19.76 (.367h)

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

Time	<u>0952</u>	Gal. Purged	<u>39.49</u>
Conductance	<u>1927</u>	pH	<u>6.18</u>
Temp. °C	<u>14.75</u>		
Redox Potential Eh (mV)	<u>505</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0953</u>	Gal. Purged	<u>39.71</u>
Conductance	<u>1923</u>	pH	<u>6.30</u>
Temp. °C	<u>14.76</u>		
Redox Potential Eh (mV)	<u>503</u>		
Turbidity (NTU)	<u>1.0</u>		

Time	<u>0954</u>	Gal. Purged	<u>39.92</u>
Conductance	<u>1923</u>	pH	<u>6.33</u>
Temp. °C	<u>14.73</u>		
Redox Potential Eh (mV)	<u>+ 500</u>		
Turbidity (NTU)	<u>1.0</u>		

Time	<u>0955</u>	Gal. Purged	<u>40.14</u>
Conductance	<u>1935</u>	pH	<u>6.36</u>
Temp. °C	<u>14.71</u>		
Redox Potential Eh (mV)	<u>499</u>		
Turbidity (NTU)	<u>1.0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

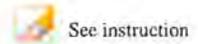
Comment

Arrived on site at 0645. Tanner and Garrin present for purge and sampling event. Purge began at 0650. Purged well for a total of 185 minutes. Purge ended and samples collected at 0955. Water was clear. Left site at 1005.

MW-01 04-20-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

Location (well name): MW-02 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-02_04262016

Date and Time for Purging 4/26/2016 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-03

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 1000 μ MHOS/ cm Well Depth(0.01ft): 128.8

Depth to Water Before Purging 102.45 Casing Volume (V) 4" Well: 17.20 (.653h)
 3" Well: 0 (.367h)

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

Time	<u>1512</u>	Gal. Purged	<u>34.06</u>
Conductance	<u>3775</u>	pH	<u>6.48</u>
Temp. °C	<u>13.54</u>		
Redox Potential Eh (mV)	<u>341</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1513</u>	Gal. Purged	<u>34.28</u>
Conductance	<u>3758</u>	pH	<u>6.52</u>
Temp. °C	<u>13.61</u>		
Redox Potential Eh (mV)	<u>341</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1514</u>	Gal. Purged	<u>34.50</u>
Conductance	<u>3770</u>	pH	<u>6.55</u>
Temp. °C	<u>13.56</u>		
Redox Potential Eh (mV)	<u>340</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1515</u>	Gal. Purged	<u>34.72</u>
Conductance	<u>3757</u>	pH	<u>6.57</u>
Temp. °C	<u>13.60</u>		
Redox Potential Eh (mV)	<u>339</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

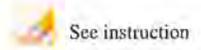
Comment

Arrived on site at 1232. Tanner and Garrin present for purge and sampling event. Purge began at 1235. Purged well for a total of 160 minutes. Purge ended and samples were collected at 1515. water was clear. Left site at 1527.

MW-02 04-26-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

Location (well name): MW-03 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-03_04262016

Date and Time for Purging: 4/26/2016 and Sampling (if different): N/A

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

Purging Method Used: 2 casings 3 casings

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

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 102, 1000 μ MHOS/ cm Well Depth(0.01ft): 89.77

Depth to Water Before Purging: 82.14 Casing Volume (V) 4" Well: 0 (.653h)
 3" Well: 2.80 (.367h)

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

Time	<u>1237</u>	Gal. Purged	<u>5.61</u>
Conductance	<u>5765</u>	pH	<u>6.15</u>
Temp. °C	<u>13.83</u>		
Redox Potential Eh (mV)	<u>442</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1238</u>	Gal. Purged	<u>5.82</u>
Conductance	<u>5770</u>	pH	<u>6.16</u>
Temp. °C	<u>13.80</u>		
Redox Potential Eh (mV)	<u>442</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1239</u>	Gal. Purged	<u>6.03</u>
Conductance	<u>5767</u>	pH	<u>6.1</u> <u>6.16</u>
Temp. °C	<u>13.79</u>		
Redox Potential Eh (mV)	<u>441</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1240</u>	Gal. Purged	<u>6.24</u>
Conductance	<u>5764</u>	pH	<u>6.15</u>
Temp. °C	<u>13.81</u>		
Redox Potential Eh (mV)	<u>440</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

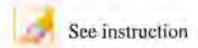
Comment

Arrived on site at 1207. Tanner and Garrin present for purge and sampling event
 Purge began at 1210. Purged well for a total of 30 minutes. Purge ended
 and samples were collected at 1240. water was clear. Left site at 1255
 Raining at time of sampling.
 well packer was deflated for 7 days out of the quarter.

MW-03 04-26-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

Location (well name): MW-03A Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-03A_04272016

Date and Time for Purging 4/26/2016 and Sampling (if different) 4/27/2016

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-22

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 1000 μ MHOS/ cm Well Depth(0.01ft): 95.00

Depth to Water Before Purging 84.12 Casing Volume (V) 4" Well: 7.10 (.653h)
 3" Well: 0 (.367h)

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

Time	<u>1220</u>	Gal. Purged	<u>14.56</u>
Conductance	<u>5862</u>	pH	<u>6.20</u>
Temp. °C	<u>12.84</u>		
Redox Potential Eh (mV)	<u>429</u>		
Turbidity (NTU)	<u>0</u>		

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

Time	<u>0709</u>	Gal. Purged	<u>0</u>
Conductance	<u>6058</u>	pH	<u>6.43</u>
Temp. °C	<u>14.48</u>		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	<u>0719</u>	Gal. Purged	<u>0</u>
Conductance	<u>6011</u>	pH	<u>6.43</u>
Temp. °C	<u>14.45</u>		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

After

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

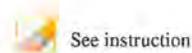
 See instruction

Comment
 Arrived on site at 1107. Tanner and Garrin present for purge.
 Purge began at 1110. Purged well for a total of 70 minutes. Purged well dry!
 Purge ended at 1220. Left site at 1222
 Arrived on site at 0707. Tanner and Garrin present to collect samples.
 Depth to water was 87.89. Samples collected at 0710. Left site at 0720

MW-03A 04-26-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

Location (well name): MW-05 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-05_04212016

Date and Time for Purging 4/21/2016 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): 138.50

Depth to Water Before Purging 106.00 Casing Volume (V) 4" Well: 21.22 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) 6°

Time	<u>0947</u>	Gal. Purged	<u>42.74</u>
Conductance	<u>4245</u> <u>2880</u>	pH	<u>6.71</u> <u>6.73</u>
Temp. °C	<u>14.81</u> <u>15.30</u>		
Redox Potential Eh (mV)	<u>429</u>		<u>407</u>
Turbidity (NTU)	<u>0</u>		

Time	<u>0948</u>	Gal. Purged	<u>42.96</u>
Conductance	<u>4222</u> <u>2879</u>	pH	<u>6.76</u> <u>6.80</u>
Temp. °C	<u>14.80</u>		<u>15.10</u>
Redox Potential Eh (mV)	<u>429</u>		<u>406</u>
Turbidity (NTU)	<u>0</u>		

Time	<u>0949</u>	Gal. Purged	<u>43.18</u>
Conductance	<u>4216</u> <u>2877</u>	pH	<u>6.79</u> <u>6.89</u>
Temp. °C	<u>14.80</u>		<u>15.07</u>
Redox Potential Eh (mV)	<u>428</u>		<u>403</u>
Turbidity (NTU)	<u>0</u>		

Time	<u>0950</u>	Gal. Purged	<u>43.40</u>
Conductance	<u>4211</u> <u>2880</u>	pH	<u>6.71</u> <u>6.92</u>
Temp. °C	<u>14.76</u>		<u>15.06</u>
Redox Potential Eh (mV)	<u>428</u>		<u>406</u>
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

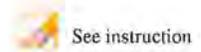
Comment

Arrived on site at 0627. Tanner and Garrin present for purge and sampling event. Purge began at 0630. Purged well for a total of 200 minutes. Purge ended and samples were collected at 0950. Water was clear
 Left site at 1000

MW-05 04-21-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

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

Field Sample ID MW-11_05032016

Date and Time for Purging 5/3/2016 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 μ MHOS/ cm Well Depth(0.01ft): 130.00

Depth to Water Before Purging 85.95 Casing Volume (V) 4" Well: 28.76 (.653h)
 3" Well: 0 (.367h)

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

Time	<u>1537</u>	Gal. Purged	<u>57.93</u>
Conductance	<u>2954</u>	pH	<u>6.80</u>
Temp. °C	<u>15.78</u>		
Redox Potential Eh (mV)	<u>416</u>		
Turbidity (NTU)	<u>4.5</u>		

Time	<u>1538</u>	Gal. Purged	<u>58.15</u>
Conductance	<u>2954</u>	pH	<u>6.88</u>
Temp. °C	<u>15.75</u>		
Redox Potential Eh (mV)	<u>413</u>		
Turbidity (NTU)	<u>4.4</u>		

Time	<u>1539</u>	Gal. Purged	<u>58.37</u>
Conductance	<u>2937</u>	pH	<u>6.92</u>
Temp. °C	<u>15.76</u>		
Redox Potential Eh (mV)	<u>410</u>		
Turbidity (NTU)	<u>4.5</u>		

Time	<u>1540</u>	Gal. Purged	<u>58.59</u>
Conductance	<u>2929</u>	pH	<u>6.93</u>
Temp. °C	<u>15.69</u>		
Redox Potential Eh (mV)	<u>408</u>		
Turbidity (NTU)	<u>4.5</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$ $= 265.11$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

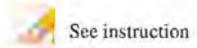
Comment

Arrived on site at 1107. Tanner and Garrin present for purge and sampling event. Purge began at 1110. Purged well for a total of 270 minutes. Purge ended and samples collected at 1540. water was clear. Left site at 1550

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



Description of Sampling Event: 2nd Quarter Groundwater 2016

Location (well name): MW-12

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-12_04212016

Date and Time for Purging 4/21/2016

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 μ MHOS/ cm

Well Depth(0.01ft): 130.40

Depth to Water Before Purging 108.15

Casing Volume (V) 4" Well: 14.52 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 6°

Time	<u>0847</u>	Gal. Purged	<u>28.64</u>
Conductance	<u>4245</u>	pH	<u>6.21</u>
Temp. °C	<u>14.81</u>		
Redox Potential Eh (mV)	<u>429</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0848</u>	Gal. Purged	<u>28.86</u>
Conductance	<u>4222</u>	pH	<u>6.26</u>
Temp. °C	<u>14.80</u>		
Redox Potential Eh (mV)	<u>429</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0849</u>	Gal. Purged	<u>29.07</u>
Conductance	<u>4216</u>	pH	<u>6.29</u>
Temp. °C	<u>14.80</u>		
Redox Potential Eh (mV)	<u>428</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0850</u>	Gal. Purged	<u>29.29</u>
Conductance	<u>4211</u>	pH	<u>6.31</u>
Temp. °C	<u>14.76</u>		
Redox Potential Eh (mV)	<u>428</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

See instruction

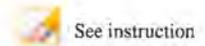
Comment

Arrived on site at 0632. Tanner and Garrin present for purge and sampling event. Purge began at 0635. Purged well for a total of 135 minutes. Purge ended and samples were collected at 0850. Water was clear. Left site at 0901.

MW-12 04-21-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event:

Location (well name): Sampler Name and initials:

Field Sample ID

Date and Time for Purging and Sampling (if different)

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

Purging Method Used: 2 casings 3 casings

Sampling Event Prev. Well Sampled in Sampling Event

pH Buffer 7.0 pH Buffer 4.0

Specific Conductance μ MHOS/cm Well Depth(0.01ft):

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

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

Time	<input type="text" value="1007"/>	Gal. Purged	<input type="text" value="32.97"/>
Conductance	<input type="text" value="3853"/>	pH	<input type="text" value="6.21"/>
Temp. °C	<input type="text" value="14.73"/>		
Redox Potential Eh (mV)	<input type="text" value="438"/>		
Turbidity (NTU)	<input type="text" value="5.0"/>		

Time	<input type="text" value="1008"/>	Gal. Purged	<input type="text" value="33.19"/>
Conductance	<input type="text" value="3849"/>	pH	<input type="text" value="6.27"/>
Temp. °C	<input type="text" value="14.74"/>		
Redox Potential Eh (mV)	<input type="text" value="437"/>		
Turbidity (NTU)	<input type="text" value="5.0"/>		

Time	<input type="text" value="1009"/>	Gal. Purged	<input type="text" value="33.41"/>
Conductance	<input type="text" value="3871"/>	pH	<input type="text" value="6.30"/>
Temp. °C	<input type="text" value="14.71"/>		
Redox Potential Eh (mV)	<input type="text" value="436"/>		
Turbidity (NTU)	<input type="text" value="5.1"/>		

Time	<input type="text" value="1010"/>	Gal. Purged	<input type="text" value="33.63"/>
Conductance	<input type="text" value="3852"/>	pH	<input type="text" value="6.28"/>
Temp. °C	<input type="text" value="14.70"/>		
Redox Potential Eh (mV)	<input type="text" value="436"/>		
Turbidity (NTU)	<input type="text" value="5.2"/>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

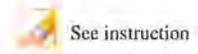
Comment

Arrived on site at 0732. Tanner and Garrin present for purge and sampling event. Purge began at 0735. Purged well for a total of 155 minutes. Purge ended and samples collected at 1010. Water was clear. Left site at 1025.

MW-14 05-04-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

Location (well name): MW-15

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-15_04272016

Date and Time for Purging 4/27/2016

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-02

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 μ MHOS/ cm

Well Depth(0.01ft): 137.00

Depth to Water Before Purging 105.76

Casing Volume (V) 4" Well: 20.39 (.653h)
3" Well: 0 (.367h)

Weather Cond. clear

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

Time	<u>1047</u>	Gal. Purged	<u>42.74</u>
Conductance	<u>4295</u>	pH	<u>6.00</u>
Temp. °C	<u>15.05</u>		
Redox Potential Eh (mV)	<u>441</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1048</u>	Gal. Purged	<u>42.96</u>
Conductance	<u>4301</u>	pH	<u>6.01</u>
Temp. °C	<u>15.03</u>		
Redox Potential Eh (mV)	<u>440</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1049</u>	Gal. Purged	<u>43.18</u>
Conductance	<u>4308</u>	pH	<u>6.01</u>
Temp. °C	<u>15.02</u>		
Redox Potential Eh (mV)	<u>439</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1050</u>	Gal. Purged	<u>43.40</u>
Conductance	<u>4314</u>	pH	<u>6.02</u>
Temp. °C	<u>15.02</u>		
Redox Potential Eh (mV)	<u>438</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

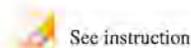
See instruction

Comment
 Arrived on site at 0726. Tanner and Garrin present ~~to present~~ for purge and sampling event
 Purge began at 0730. Purged well for a total of 200 minutes. Purge ended and
 Samples were collected at 1050. Water was clear
 Left site at 1103

MW-15 04-27-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event:

Location (well name): Sampler Name and initials:

Field Sample ID

Date and Time for Purging and Sampling (if different)

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

Purging Method Used: 2 casings 3 casings

Sampling Event Prev. Well Sampled in Sampling Event

pH Buffer 7.0 pH Buffer 4.0

Specific Conductance μ MHOS/ cm Well Depth(0.01ft):

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

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

Time	<input type="text" value="1052"/>	Gal. Purged	<input type="text" value="53.59"/>
Conductance	<input type="text" value="3853"/>	pH	<input type="text" value="6.56"/>
Temp. °C	<input type="text" value="14.32"/>		
Redox Potential Eh (mV)	<input type="text" value="471"/>		
Turbidity (NTU)	<input type="text" value="20"/>		

Time	<input type="text" value="1053"/>	Gal. Purged	<input type="text" value="53.81"/>
Conductance	<input type="text" value="3855"/>	pH	<input type="text" value="6.57"/>
Temp. °C	<input type="text" value="14.25"/>		
Redox Potential Eh (mV)	<input type="text" value="471"/>		
Turbidity (NTU)	<input type="text" value="23"/>		

Time	<input type="text" value="1054"/>	Gal. Purged	<input type="text" value="54.03"/>
Conductance	<input type="text" value="3868"/>	pH	<input type="text" value="6.57"/>
Temp. °C	<input type="text" value="14.23"/>		
Redox Potential Eh (mV)	<input type="text" value="471"/>		
Turbidity (NTU)	<input type="text" value="22"/>		

Time	<input type="text" value="1055"/>	Gal. Purged	<input type="text" value="54.25"/>
Conductance	<input type="text" value="3864"/>	pH	<input type="text" value="6.58"/>
Temp. °C	<input type="text" value="14.25"/>		
Redox Potential Eh (mV)	<input type="text" value="471"/>		
Turbidity (NTU)	<input type="text" value="22"/>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

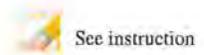
 See instruction

Comment
 Arrived on site at 0641. Tanner and Garrin present for purge and sampling event.
 Purge began at 0645. Purged well for a total of 250 minutes. Purge ended and samples collected at 1055. Water was mostly clear
 Left site at 1104

MW-17 04-26-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

Location (well name): MW-18

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-18_04192016

Date and Time for Purging 4/19/2016

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-19

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 μ MHOS/ cm

Well Depth(0.01 ft): 134.00

Depth to Water Before Purging 72.03

Casing Volume (V) 4" Well: 40.46 (.653h)
 3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

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

Time	<u>1332</u>	Gal. Purged	<u>80.72</u>
Conductance	<u>3516</u>	pH	<u>5.73</u>
Temp. °C	<u>14.58</u>		
Redox Potential Eh (mV)	<u>535</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1333</u>	Gal. Purged	<u>80.94</u>
Conductance	<u>3510</u>	pH	<u>5.83</u>
Temp. °C	<u>14.57</u>		
Redox Potential Eh (mV)	<u>534</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1334</u>	Gal. Purged	<u>81.15</u>
Conductance	<u>3495</u>	pH	<u>5.91</u>
Temp. °C	<u>14.53</u>		
Redox Potential Eh (mV)	<u>532</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1335</u>	Gal. Purged	<u>81.37</u>
Conductance	<u>3511</u>	pH	<u>5.93</u>
Temp. °C	<u>14.51</u>		
Redox Potential Eh (mV)	<u>530</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

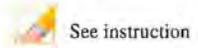
Comment

Arrived on site at 0715. Tanner and Garrin present for purge and sampling event.
 Purge began at 0720. Purged well for a total of 375 minutes
 Purge ended and samples collected at 1335. Water was clear
 Left site at 1345

MW-18 04-19-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

Location (well name): MW-19 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-19_04192016

Date and Time for Purging 4/19/2016 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 μ MHOS/ cm Well Depth(0.01ft): 149.00

Depth to Water Before Purging 61.81 Casing Volume (V) 4" Well: 56.93 (.653h)
 3" Well: 0 (.367h)

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

Time	<u>1547</u>	Gal. Purged	<u>116.52</u>
Conductance	<u>1443</u>	pH	<u>6.14</u>
Temp. °C	<u>14.62</u>		
Redox Potential Eh (mV)	<u>508</u>		
Turbidity (NTU)	<u>859</u>		

Time	<u>1548</u>	Gal. Purged	<u>116.74</u>
Conductance	<u>1434</u>	pH	<u>6.20</u>
Temp. °C	<u>14.58</u>		
Redox Potential Eh (mV)	<u>506</u>		
Turbidity (NTU)	<u>867</u>		

Time	<u>1549</u>	Gal. Purged	<u>116.96</u>
Conductance	<u>1433</u>	pH	<u>6.22</u>
Temp. °C	<u>14.65</u>		
Redox Potential Eh (mV)	<u>504</u>		
Turbidity (NTU)	<u>864</u>		

Time	<u>1550</u>	Gal. Purged	<u>117.18</u>
Conductance	<u>1433</u>	pH	<u>6.25</u>
Temp. °C	<u>14.59</u>		
Redox Potential Eh (mV)	<u>503</u>		
Turbidity (NTU)	<u>870</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

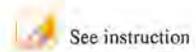
Comment

Arrived on site at 0645. Tanner and Garrin present for purge ~~ans~~ and sampling. Purge began at 0650. Purged well for a total of 540 minutes. Purge ended and samples were collected at 1550. water was a little cloudy with little bubbles. Left site at 1601

MW-19 04-19-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

Location (well name): MW-20 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-20_05182016

Date and Time for Purging 4/28/2016 and Sampling (if different) 5/18/2016

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-37

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 1000 μ MHOS/ cm Well Depth(0.01ft): ~~91.00~~ 92.00 92.00

Depth to Water Before Purging 84.94 Casing Volume (V) 4" Well: 4.61 (.653h)
 3" Well: 0 (.367h)

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

Time	<u>1026</u>	Gal. Purged	<u>5</u>
Conductance	<u>6484</u>	pH	<u>6.54</u>
Temp. °C	<u>14.29</u>		
Redox Potential Eh (mV)	<u>459</u>		
Turbidity (NTU)	<u>42</u>		

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

Time	<u>1005</u>	Gal. Purged	<u>0</u>
Conductance	<u>5665</u>	pH	<u>6.50</u>
Temp. °C	<u>14.16</u>		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	<u>1010</u>	Gal. Purged	<u>0</u>
Conductance	<u>5679</u>	pH	<u>6.53</u>
Temp. °C	<u>14.17</u>		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

After

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

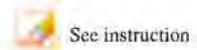
Comment

Arrived on site at 1019. Tanner and Garrin present to bail MW-20. Bailing began at 1021
 Bailed 5 Gallons into a bucket and took 1 set of parameters. Bailed a total of 7 Gallons. Bailed well dry. Left site at 1030. Water was dirty with grey color.
 Arrived on site at 1002. Tanner and Garrin present to collect samples. Depth to water was 89.25. Samples bailed at 1006. Left site at 1011

MW-20 04-28-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event:

Location (well name): Sampler Name and initials:

Field Sample ID

Date and Time for Purging and Sampling (if different)

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

Purging Method Used: 2 casings 3 casings

Sampling Event Prev. Well Sampled in Sampling Event

pH Buffer 7.0 pH Buffer 4.0

Specific Conductance μ MHOS/ cm Well Depth(0.01ft):

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

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

Time	<input type="text" value="1157"/>	Gal. Purged	<input type="text" value="64.44"/>
Conductance	<input type="text" value="7805"/>	pH	<input type="text" value="4.40"/>
Temp. °C	<input type="text" value="14.31"/>		
Redox Potential Eh (mV)	<input type="text" value="597"/>		
Turbidity (NTU)	<input type="text" value="0"/>		

Time	<input type="text" value="1158"/>	Gal. Purged	<input type="text" value="64.66"/>
Conductance	<input type="text" value="7804"/>	pH	<input type="text" value="4.39"/>
Temp. °C	<input type="text" value="14.30"/>		
Redox Potential Eh (mV)	<input type="text" value="598"/>		
Turbidity (NTU)	<input type="text" value="0"/>		

Time	<input type="text" value="1159"/>	Gal. Purged	<input type="text" value="64.88"/>
Conductance	<input type="text" value="7801"/>	pH	<input type="text" value="4.39"/>
Temp. °C	<input type="text" value="14.30"/>		
Redox Potential Eh (mV)	<input type="text" value="598"/>		
Turbidity (NTU)	<input type="text" value="0"/>		

Time	<input type="text" value="1200"/>	Gal. Purged	<input type="text" value="65.10"/>
Conductance	<input type="text" value="7801"/>	pH	<input type="text" value="4.38"/>
Temp. °C	<input type="text" value="14.31"/>		
Redox Potential Eh (mV)	<input type="text" value="599"/>		
Turbidity (NTU)	<input type="text" value="0"/>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

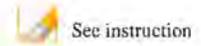
Comment

Arrived on site at 0657. Tanner and Garrin present for purge and sampling event. Purge began at 0700. Purged well for a total of 300 minutes. Purge ended and samples collected at 1200. Water was clear. Left site at 1210. Raining at time of sampling.

MW-22 04-26-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

Location (well name): MW-23 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-23_05182016

Date and Time for Purging 4/28/2016 and Sampling (if different) 5/18/2016

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 μ MHOS/ cm Well Depth(0.01ft): 132.00

Depth to Water Before Purging 113.77 Casing Volume (V) 4" Well: 11.90 (.653h)
 3" Well: 0 (.367h)

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

Time	<u>1050</u>	Gal. Purged	<u>23.87</u>
Conductance	<u>3938</u>	pH	<u>5.75</u>
Temp. °C	<u>13.75</u>		
Redox Potential Eh (mV)	<u>485</u>		
Turbidity (NTU)	<u>0</u>		

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

Time	<u>1210</u>	Gal. Purged	<u>0</u>
Conductance	<u>3860</u>	pH	<u>6.56</u>
Temp. °C	<u>16.42</u>		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	<u>1220</u>	Gal. Purged	<u>0</u>
Conductance	<u>3865</u>	pH	<u>6.59</u>
Temp. °C	<u>16.54</u>		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

After

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

Comment

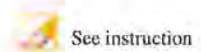
Arrived on site at 0856. Tanner and Garrin present for purge. Purge began at 0900. Purged well for a total of 110 minutes. Purged well dry! Purge ended at 1050. water was clear. Left site at 1052

Arrived on site at 1205. Tanner and Garrin present to collect samples. Depth to water was 117.62. Samples collected at 1210. Left site at 1227

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



Description of Sampling Event: 2nd Quarter Ground Water 2016

Location (well name): H2-7 MW-24 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-24-04282016

Date and Time for Purging: 4/27/2016 and Sampling (if different): 4/28/2016

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

Purging Method Used: 2 casings 3 casings

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

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 1000 μ MHOS/ cm Well Depth(0.01ft): 120.00

Depth to Water Before Purging: 112.70 Casing Volume (V) 4" Well: 4.76 (.653h)
 3" Well: 0 (.367h)

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

Time	<u>1150</u>	Gal. Purged	<u>11.52</u>
Conductance	<u>4429</u>	pH	<u>5.07</u>
Temp. °C	<u>14.37</u>		
Redox Potential Eh (mV)	<u>419</u>		
Turbidity (NTU)	<u>0</u>		

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

Time	<u>0754</u>	Gal. Purged	<u>0</u>
Conductance	<u>4458</u>	pH	<u>4.80</u>
Temp. °C	<u>14.65</u>		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	<u>0806</u>	Gal. Purged	<u>0</u>
Conductance	<u>4444</u>	pH	<u>4.83</u>
Temp. °C	<u>14.60</u>		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

After

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

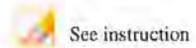
Comment

Arrived on site at 1047, Tanner and Garrin present for purge.
Purge began at 1050. Purged well for a total of 60 minutes. Purged well dry!
Purge ended at 1150. water was clear. Left site at 1152
Arrived on site at 0750. Tanner and Garrin present to collect samples.
Depth to water was 112.60. Samples collected at 0755. Left site at 0810.

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



Description of Sampling Event:

Location (well name): Sampler Name and initials:

Field Sample ID

Date and Time for Purging and Sampling (if different)

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

Purging Method Used: 2 casings 3 casings

Sampling Event Prev. Well Sampled in Sampling Event

pH Buffer 7.0 pH Buffer 4.0

Specific Conductance μ MHOS/ cm Well Depth(0.01ft):

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

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

Time	<input type="text" value="1052"/>	Gal. Purged	<input type="text" value="51.42"/>
Conductance	<input type="text" value="3118"/>	pH	<input type="text" value="6.13"/>
Temp. °C	<input type="text" value="15.45"/>		
Redox Potential Eh (mV)	<input type="text" value="480"/>		
Turbidity (NTU)	<input type="text" value="11"/>		

Time	<input type="text" value="1053"/>	Gal. Purged	<input type="text" value="51.64"/>
Conductance	<input type="text" value="3110"/>	pH	<input type="text" value="6.16"/>
Temp. °C	<input type="text" value="15.49"/>		
Redox Potential Eh (mV)	<input type="text" value="475"/>		
Turbidity (NTU)	<input type="text" value="12"/>		

Time	<input type="text" value="1054"/>	Gal. Purged	<input type="text" value="51.86"/>
Conductance	<input type="text" value="3115"/>	pH	<input type="text" value="6.23"/>
Temp. °C	<input type="text" value="15.41"/>		
Redox Potential Eh (mV)	<input type="text" value="470"/>		
Turbidity (NTU)	<input type="text" value="12"/>		

Time	<input type="text" value="1055"/>	Gal. Purged	<input type="text" value="52.08"/>
Conductance	<input type="text" value="3111"/>	pH	<input type="text" value="6.24"/>
Temp. °C	<input type="text" value="15.45"/>		
Redox Potential Eh (mV)	<input type="text" value="470"/>		
Turbidity (NTU)	<input type="text" value="13"/>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

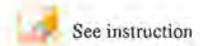
 See instruction

Comment

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



Description of Sampling Event: 2nd Quarter Ground Water 2016

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

Field Sample ID MW-26_05042016

Date and Time for Purging 5/4/2016 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-14

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 1000 μ MHOS/ cm Well Depth(0.01ft): 121.33

Depth to Water Before Purging 65.24 Casing Volume (V) 4" Well: 36.62 (.653h)
3" Well: 0 (.367h)

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

Time	<u>1229</u>	Gal. Purged	<u>0</u>
Conductance	<u>3436</u>	pH	<u>6.19</u>
Temp. °C	<u>15.40</u>		
Redox Potential Eh (mV)	<u>415</u>		
Turbidity (NTU)	<u>4.5</u>		

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

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

Time	<u>1229</u>	Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 1225. Tanner and Garrin present for sampling event.
 Samples collected at 1230. Water was clear
 Left site at 1235

 Continuous Pumping Well

MW-26 05-04-2016 Do not touch this cell (SheetName)



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



See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2016

Location (well name): MW-27 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-27-04202016

Date and Time for Purging 4/20/2016 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 μ MHOS/ cm Well Depth(0.01ft): 95.00

Depth to Water Before Purging 54.14 Casing Volume (V) 4" Well: 26.68 (.653h)
3" Well: 0 (.367h)

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

Time	<u>1047</u>	Gal. Purged	<u>53.59</u>
Conductance	<u>1460</u>	pH	<u>6.34</u>
Temp. °C	<u>15.45</u>		
Redox Potential Eh (mV)	<u>460</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1048</u>	Gal. Purged	<u>53.81</u>
Conductance	<u>1456</u>	pH	<u>6.48</u>
Temp. °C	<u>15.46</u>		
Redox Potential Eh (mV)	<u>458</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1049</u>	Gal. Purged	<u>54.03</u>
Conductance	<u>1457</u>	pH	<u>6.51</u>
Temp. °C	<u>15.46</u>		
Redox Potential Eh (mV)	<u>456</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1050</u>	Gal. Purged	<u>54.25</u>
Conductance	<u>1456</u>	pH	<u>6.54</u>
Temp. °C	<u>15.43</u>		
Redox Potential Eh (mV)	<u>454</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

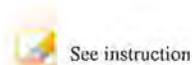
Comment

Arrived on site at 0636. Tanner and Garrin present for purge and sampling event.
 Purge began at 0640. Purged well for a total of 250 minutes. Purge ended and samples were collected at 1050. Water was clear
 Left site at 1059

MW-27 04-20-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

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

Field Sample ID: MW-28_04202016

Date and Time for Purging: 4/20/2016 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 μ MHOS/ cm Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.23 Casing Volume (V) 4" Well: 22.70 (.653h)
3" Well: 0 (.367h)

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

Time	<u>1437</u>	Gal. Purged	<u>44.91</u>
Conductance	<u>4013</u>	pH	<u>5.75</u>
Temp. °C	<u>15.05</u>		
Redox Potential Eh (mV)	<u>473</u>		
Turbidity (NTU)	<u>23</u>		

Time	<u>1438</u>	Gal. Purged	<u>45.13</u>
Conductance	<u>4021</u>	pH	<u>5.74</u>
Temp. °C	<u>15.04</u>		
Redox Potential Eh (mV)	<u>472</u>		
Turbidity (NTU)	<u>21</u>		

Time	<u>1439</u>	Gal. Purged	<u>45.35</u>
Conductance	<u>4016</u>	pH	<u>5.74</u>
Temp. °C	<u>15.00</u>		
Redox Potential Eh (mV)	<u>473</u>		
Turbidity (NTU)	<u>2.0</u>		

Time	<u>1440</u>	Gal. Purged	<u>45.57</u>
Conductance	<u>4013</u>	pH	<u>5.73</u>
Temp. °C	<u>15.01</u>		
Redox Potential Eh (mV)	<u>473</u>		
Turbidity (NTU)	<u>2.0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

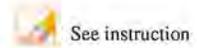
Comment

Arrived on site at 1107. Tanner and Garrin present for purge and sampling event. Purge began at 1110. Purged well for a total of 210 minutes, Purge ended and samples were collected at 1440. Water was clear. Left site at 1450

MW-28 04-20-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event:

Location (well name): Sampler Name and initials:

Field Sample ID

Date and Time for Purging and Sampling (if different)

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

Purging Method Used: 2 casings 3 casings

Sampling Event Prev. Well Sampled in Sampling Event

pH Buffer 7.0 pH Buffer 4.0

Specific Conductance μ MHOS/ cm Well Depth(0.01ft):

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

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

Time	<input type="text" value="1032"/>	Gal. Purged	<input type="text" value="38.40"/>
Conductance	<input type="text" value="4671"/>	pH	<input type="text" value="5.90"/>
Temp. °C	<input type="text" value="14.40"/>		
Redox Potential Eh (mV)	<input type="text" value="384"/>		
Turbidity (NTU)	<input type="text" value="7.0"/>		

Time	<input type="text" value="1033"/>	Gal. Purged	<input type="text" value="38.62"/>
Conductance	<input type="text" value="4671"/>	pH	<input type="text" value="5.96"/>
Temp. °C	<input type="text" value="14.44"/>		
Redox Potential Eh (mV)	<input type="text" value="383"/>		
Turbidity (NTU)	<input type="text" value="7.1"/>		

Time	<input type="text" value="1034"/>	Gal. Purged	<input type="text" value="38.84"/>
Conductance	<input type="text" value="4672"/>	pH	<input type="text" value="6.00"/>
Temp. °C	<input type="text" value="14.42"/>		
Redox Potential Eh (mV)	<input type="text" value="382"/>		
Turbidity (NTU)	<input type="text" value="7.2"/>		

Time	<input type="text" value="1035"/>	Gal. Purged	<input type="text" value="39.06"/>
Conductance	<input type="text" value="4675"/>	pH	<input type="text" value="6.03"/>
Temp. °C	<input type="text" value="14.40"/>		
Redox Potential Eh (mV)	<input type="text" value="381"/>		
Turbidity (NTU)	<input type="text" value="7.2"/>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

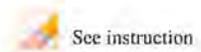
Comment

Arrived on site at 0732. Tanner and Garrin present for purge and sampling event
 Purge began at 0735. Purged well for a total of 180 minutes.
 Purge ended and samples collected at 1035. Water was clear
 Left site at 1044

MW-29 04-27-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event:

Location (well name): Sampler Name and initials:

Field Sample ID

Date and Time for Purging and Sampling (if different)

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

Purging Method Used: 2 casings 3 casings

Sampling Event Prev. Well Sampled in Sampling Event

pH Buffer 7.0 pH Buffer 4.0

Specific Conductance μ MHOS/ cm Well Depth(0.01ft):

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

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

Time	<input type="text" value="1047"/>	Gal. Purged	<input type="text" value="44.91"/>
Conductance	<input type="text" value="2060"/>	pH	<input type="text" value="6.20"/>
Temp. °C	<input type="text" value="15.15"/>		
Redox Potential Eh (mV)	<input type="text" value="418"/>		
Turbidity (NTU)	<input type="text" value="2.8"/>		

Time	<input type="text" value="1048"/>	Gal. Purged	<input type="text" value="45.13"/>
Conductance	<input type="text" value="2061"/>	pH	<input type="text" value="6.22"/>
Temp. °C	<input type="text" value="15.12"/>		
Redox Potential Eh (mV)	<input type="text" value="417"/>		
Turbidity (NTU)	<input type="text" value="2.9"/>		

Time	<input type="text" value="1049"/>	Gal. Purged	<input type="text" value="45.35"/>
Conductance	<input type="text" value="2056"/>	pH	<input type="text" value="6.22"/>
Temp. °C	<input type="text" value="15.10"/>		
Redox Potential Eh (mV)	<input type="text" value="413"/>		
Turbidity (NTU)	<input type="text" value="2.9"/>		

Time	<input type="text" value="1050"/>	Gal. Purged	<input type="text" value="45.57"/>
Conductance	<input type="text" value="2057"/>	pH	<input type="text" value="6.30"/>
Temp. °C	<input type="text" value="15.09"/>		
Redox Potential Eh (mV)	<input type="text" value="411"/>		
Turbidity (NTU)	<input type="text" value="2.9"/>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

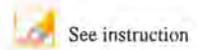
Comment

Arrived on site at 0716, Tanner and Garrin present for purge and sampling event
 Purge began at 0720. Purged well for a total of 210 minutes. Purge ended
 and samples collected at 1050. Water was clear.
 Left site at 1100

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



Description of Sampling Event: 2nd Quarter Ground Water 2016

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

Field Sample ID: MW-31_05032016

Date and Time for Purging: 5/3/2016 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-20

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 1000 μ MHOS/ cm Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 68.38 Casing Volume (V) 4" Well: 40.23 (.653h)
 3" Well: 0 (.367h)

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

Time	<u>1257</u>	Gal. Purged	<u>80.72</u>
Conductance	<u>2284</u>	pH	<u>6.39</u>
Temp. °C	<u>15.10</u>		
Redox Potential Eh (mV)	<u>450</u>		
Turbidity (NTU)	<u>5.0</u>		

Time	<u>1258</u>	Gal. Purged	<u>80.94</u>
Conductance	<u>2279</u>	pH	<u>6.45</u>
Temp. °C	<u>15.12</u>		
Redox Potential Eh (mV)	<u>498</u>		
Turbidity (NTU)	<u>5.1</u>		

Time	<u>1259</u>	Gal. Purged	<u>81.15</u>
Conductance	<u>2294</u>	pH	<u>6.47</u>
Temp. °C	<u>15.08</u>		
Redox Potential Eh (mV)	<u>447</u>		
Turbidity (NTU)	<u>5.2</u>		

Time	<u>1300</u>	Gal. Purged	<u>81.37</u>
Conductance	<u>2311</u>	pH	<u>6.48</u>
Temp. °C	<u>15.07</u>		
Redox Potential Eh (mV)	<u>496</u>		
Turbidity (NTU)	<u>5.2</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 0641. Tanner and Garrin present for purge and sampling event.
 Purge began at 0645. Purged well for a total of 375 minutes.
 Purge ended and samples collected at 1300 Water was clear
 Left site at 1309

MW-31 05-03-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

Location (well name): MW-32 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-32_04202016

Date and Time for Purging 4/20/2016 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 μ MHOS/ cm Well Depth(0.01ft): 132.50

Depth to Water Before Purging 77.35 Casing Volume (V) 4" Well: 36.01 (.653h)
 3" Well: 0 (.367h)

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

Time	<u>1542</u>	Gal. Purged	<u>72.04</u>
Conductance	<u>3828</u>	pH	<u>6.01</u>
Temp. °C	<u>15.39</u>		
Redox Potential Eh (mV)	<u>452</u>		
Turbidity (NTU)	<u>270</u>		

Time	<u>1543</u>	Gal. Purged	<u>72.26</u>
Conductance	<u>3808</u>	pH	<u>6.04</u>
Temp. °C	<u>15.33</u>		
Redox Potential Eh (mV)	<u>427</u>		
Turbidity (NTU)	<u>269</u>		

Time	<u>1544</u>	Gal. Purged	<u>72.47</u>
Conductance	<u>3810</u>	pH	<u>6.06</u>
Temp. °C	<u>15.30</u>		
Redox Potential Eh (mV)	<u>422</u>		
Turbidity (NTU)	<u>273</u>		

Time	<u>1545</u>	Gal. Purged	<u>72.69</u>
Conductance	<u>3840</u>	pH	<u>6.06</u>
Temp. °C	<u>15.27</u>		
Redox Potential Eh (mV)	<u>410</u>		
Turbidity (NTU)	<u>278</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

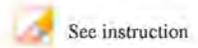
Comment

Arrived on site at 1008. Tanner and Garrin present for purge and sampling event. Purge began at 1010. Purged well for a total of ³³⁵335 minutes. Purge ended and samples were collected at 1545. Water was a little cloudy with tiny bubbles. Left site at 1555

MW-32 04-20-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

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

Field Sample ID: MW-35_05032016

Date and Time for Purging: 5/3/2016 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 μ MHOS/ cm Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.44 Casing Volume (V) 4" Well: 7.87 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny Ext'l Amb. Temp. °C (prior sampling event) 21°

Time	<u>1427</u>	Gal. Purged	<u>15.62</u>
Conductance	<u>4147</u>	pH	<u>6.21</u>
Temp. °C	<u>15.10</u>		
Redox Potential Eh (mV)	<u>454</u>		
Turbidity (NTU)	<u>3.0</u>		

Time	<u>1428</u>	Gal. Purged	<u>15.84</u>
Conductance	<u>4158</u>	pH	<u>6.21</u>
Temp. °C	<u>15.08</u>		
Redox Potential Eh (mV)	<u>451</u>		
Turbidity (NTU)	<u>3.1</u>		

Time	<u>1429</u>	Gal. Purged	<u>16.05</u>
Conductance	<u>4150</u>	pH	<u>6.22</u>
Temp. °C	<u>15.08</u>		
Redox Potential Eh (mV)	<u>451</u>		
Turbidity (NTU)	<u>3.1</u>		

Time	<u>1430</u>	Gal. Purged	<u>16.27</u>
Conductance	<u>4140</u>	pH	<u>6.22</u>
Temp. °C	<u>15.07</u>		
Redox Potential Eh (mV)	<u>451</u>		
Turbidity (NTU)	<u>3.1</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

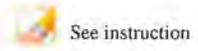
 See instruction

Comment
 Arrived on site at 1312. Tanner and Garrin present for purge and sampling event. Purge began at 1315. Purged well for a total of 75 minutes. Purge ended and samples collected at 1430. water was clear
 Left site at 1439

MW-35 05-03-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

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

Field Sample ID MW-36_04202016

Date and Time for Purging 4/20/2016 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 μ MHOS/ cm Well Depth(0.01ft): 121.60

Depth to Water Before Purging 110.32 Casing Volume (V) 4" Well: 7.36 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) 19°

Time	<u>1607</u>	Gal. Purged	<u>14.53</u>
Conductance	<u>4952</u>	pH	<u>6.41</u>
Temp. °C	<u>15.01</u>		
Redox Potential Eh (mV)	<u>387</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1608</u>	Gal. Purged	<u>14.75</u>
Conductance	<u>4924</u>	pH	<u>6.41</u>
Temp. °C	<u>15.00</u>		
Redox Potential Eh (mV)	<u>386</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1609</u>	Gal. Purged	<u>14.97</u>
Conductance	<u>4938</u>	pH	<u>6.43</u>
Temp. °C	<u>15.00</u>		
Redox Potential Eh (mV)	<u>384</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1610</u>	Gal. Purged	<u>15.19</u>
Conductance	<u>4940</u>	pH	<u>6.43</u>
Temp. °C	<u>14.98</u>		
Redox Potential Eh (mV)	<u>383</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

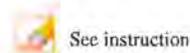
 See instruction

Comment
 Arrived on site at 1455. Tanner and Garrin present for purge and sampling event. Purge began at 1500. Purged well for a total of 70 minutes. Purge ended and samples were collected at 1610. Water was clear. Left site at 1619

MW-36 04-20-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

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

Field Sample ID MW-37_05182016

Date and Time for Purging 4/28/2016 and Sampling (if different) 5/18/2016

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-23

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 1000 μ MHOS/ cm Well Depth(0.01ft): 121.80

Depth to Water Before Purging 106.76 Casing Volume (V) 4" Well: 9.82 (.653h)
3" Well: 0 (.367h)

Weather Cond. Cloudy Ext'l Amb. Temp. °C (prior sampling event) 6°

Time	<u>0948</u>	Gal. Purged	<u>5</u>
Conductance	<u>4417</u>	pH	<u>5.61</u>
Temp. °C	<u>14.12</u>		
Redox Potential Eh (mV)	<u>513</u>		
Turbidity (NTU)	<u>4.9</u>		

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

Time	<u>0817</u>	Gal. Purged	<u>0</u>
Conductance	<u>4301</u>	pH	<u>6.91</u>
Temp. °C	<u>13.89</u>		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	<u>0824</u>	Gal. Purged	<u>0</u>
Conductance	<u>4320</u>	pH	<u>6.87</u>
Temp. °C	<u>13.99</u>		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

After

Volume of Water Purged gallon(s)

Pumping Rate Calculation

14

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

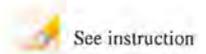
Comment

Arrived on site at 0939 Tanner and Garrin present to Bail MW-37. Bailing began at 0941 Bailed 5 Gallons into a bucket and took a set of parameters. Bailed a total of 14 Gallons. Bailed well dry! Left site at 1001
 Arrived on site at 0814. Tanner and Garrin present to collect samples. Depth to water was 110.85. Samples bailed at 0818. Left site at 0826

MW-37 04-28-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Groundwater 2016

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

Field Sample ID: MW-65_04272016

Date and Time for Purging: 4/27/2016 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-02

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 1000 μ MHOS/ cm Well Depth(0.01ft): 137.00

Depth to Water Before Purging: 105.76 Casing Volume (V) 4" Well: 20.39 (.653h)
3" Well: 0 (.367h)

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

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

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

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

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

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

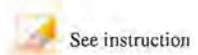
Comment

Duplicate of MW-15

MW-65 04-27-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: 2nd Quarter Ground Water 2016

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

Field Sample ID MW-70_05042016

Date and Time for Purging 5/4/2016 and Sampling (if different) N/A

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

Purging Method Used: 2 casings 3 casings

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

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 1000 μ MHOS/ cm Well Depth(0.01ft): 128.70

Depth to Water Before Purging 103.08 Casing Volume (V) 4" Well: 16.72 (.653h)
3" Well: 0 (.367h)

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

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

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

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

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

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

General Inorganics

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

Final Depth

Sample Time

 See instruction

Comment

Duplicate of MW-14

MW-70 05-04-2016 Do not touch this cell (SheetName)

Tab C

Field Data Worksheets Accelerated Monitoring

Tab C1

Field Data Worksheets Accelerated Monitoring

April 2016



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



See instruction

Description of Sampling Event: Monthly Ground Water 2016 April

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

Field Sample ID MW-11_04122016

Date and Time for Purging 4/12/2016 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 μ MHOS/ cm Well Depth(0.01ft): 130.00

Depth to Water Before Purging 85.90 Casing Volume (V) 4" Well: 28.79 (.653h)
 3" Well: 0 (.367h)

Weather Cond. Partly cloudy Ext'l Amb. Temp. °C (prior sampling event) 13°

Time 1547 Gal. Purged 57.93

Conductance 2877 pH 7.26

Temp. °C 14.52

Redox Potential Eh (mV) 495

Turbidity (NTU) 0

Time 1548 Gal. Purged 58.15

Conductance 2875 pH 7.27

Temp. °C 14.54

Redox Potential Eh (mV) 491

Turbidity (NTU) 0

Time 1549 Gal. Purged 58.37

Conductance 2878 pH 7.30

Temp. °C 14.53

Redox Potential Eh (mV) 436

Turbidity (NTU) 0

Time 1550 Gal. Purged 58.59

Conductance 2876 pH 7.32

Temp. °C 14.49

Redox Potential Eh (mV) 433

Turbidity (NTU) 0

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

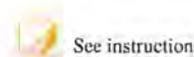
Comment

Arrived on site at 1116. Tanner and Garrin present for purge and sampling event. Purge began at 1120. Purged well for a total of 270 minutes. Purge ended and samples were collected at 1550. Water was clear. Left site at 1553.

MW-11 04-12-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: April Groundwater 2016

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

Field Sample ID MW-14_04132016

Date and Time for Purging 4/13/2016 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 μ MHOS/ cm Well Depth(0.01ft): 128.70

Depth to Water Before Purging 102.95 Casing Volume (V) 4" Well: 16.81 (.653h)
3" Well: 0 (.367h)

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

Time	<u>0942</u>	Gal. Purged	<u>32.98</u>
Conductance	<u>3866</u>	pH	<u>6.46</u>
Temp. °C	<u>14.60</u>		
Redox Potential Eh (mV)	<u>511</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0943</u>	Gal. Purged	<u>33.20</u>
Conductance	<u>3858</u>	pH	<u>6.43</u>
Temp. °C	<u>14.60</u>		
Redox Potential Eh (mV)	<u>515</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0944</u>	Gal. Purged	<u>33.41</u>
Conductance	<u>3852</u>	pH	<u>6.40</u>
Temp. °C	<u>14.60</u>		
Redox Potential Eh (mV)	<u>514</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0945</u>	Gal. Purged	<u>33.63</u>
Conductance	<u>3864</u>	pH	<u>6.38</u>
Temp. °C	<u>14.54</u>		
Redox Potential Eh (mV)	<u>515</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

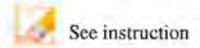
Comment

Arrived on site at 0706. Tanner and Garrin present for purge. Purge began at 0710. Purged well for a total of 155 minutes. Purge ended at 0945. No samples were required. Left site at 0947 water was clear

MW-14 04-13-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: April Ground Water 2016

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

Field Sample ID: MW-25_04122016

Date and Time for Purging: 4/12/2016 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: 70 pH Buffer 4.0: 4.0

Specific Conductance: 1000 μ MHOS/ cm Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 76.80 Casing Volume (V) 4" Well: 24.94 (.653h)
 3" Well: 0 (.367h)

Weather Cond. Partly cloudy Ext'l Amb. Temp. °C (prior sampling event) 11°

Time	<u>1107</u>	Gal. Purged	<u>51.42</u>
Conductance	<u>3118</u>	pH	<u>6.48</u>
Temp. °C	<u>14.95</u>		
Redox Potential Eh (mV)	<u>492</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1108</u>	Gal. Purged	<u>51.64</u>
Conductance	<u>3125</u>	pH	<u>6.49</u>
Temp. °C	<u>14.96</u>		
Redox Potential Eh (mV)	<u>492</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1109</u>	Gal. Purged	<u>51.86</u>
Conductance	<u>3123</u>	pH	<u>6.50</u>
Temp. °C	<u>14.97</u>		
Redox Potential Eh (mV)	<u>492</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1110</u>	Gal. Purged	<u>52.08</u>
Conductance	<u>3120</u>	pH	<u>6.51</u>
Temp. °C	<u>14.97</u>		
Redox Potential Eh (mV)	<u>492</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 0706. Tanner and Garrin present for purge and sampling event. Purge began at 0710. Purged well for a total of 240 minutes. Purge ended and samples collected at 1110. Water was clear
Left site at 1114

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



See instruction

Description of Sampling Event: April Ground Water 2016

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

Field Sample ID: MW-26_04132016

Date and Time for Purging: 4/13/2016 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 μ MHOS/ cm Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 67.60 Casing Volume (V) 4" Well: 35.08 (.653h)
 3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	<u>1059</u>	Gal. Purged	<u>0</u>
Conductance	<u>3409</u>	pH	<u>6.50</u>
Temp. °C	<u>15.11</u>		
Redox Potential Eh (mV)	<u>440</u>		
Turbidity (NTU)	<u>3.5</u>		

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

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

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

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

Chloride

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

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 1055. Tanner and Garrin present to collect samples
 Samples were collected at 1100. water was clear. Left site at 1105
 Continuous Pumping well

MW-26 04-13-2016 Do not touch this cell (SheetName)



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



See instruction

Description of Sampling Event: April Ground Water 2016

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday / TH

Field Sample ID MW-30_04132016

Date and Time for Purging 4/13/2016

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 μ MHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging 75.29

Casing Volume (V) 4" Well: 22.66 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 4°

Time	<u>1027</u>	Gal. Purged	<u>44.91</u>
Conductance	<u>2039</u>	pH	<u>6.94</u>
Temp. °C	<u>14.45</u>		
Redox Potential Eh (mV)	<u>485</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1028</u>	Gal. Purged	<u>45.13</u>
Conductance	<u>2039</u>	pH	<u>6.87</u>
Temp. °C	<u>14.50</u>		
Redox Potential Eh (mV)	<u>487</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1029</u>	Gal. Purged	<u>45.35</u>
Conductance	<u>2040</u>	pH	<u>6.87</u>
Temp. °C	<u>14.47</u>		
Redox Potential Eh (mV)	<u>486</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1030</u>	Gal. Purged	<u>45.57</u>
Conductance	<u>2040</u>	pH	<u>6.84</u>
Temp. °C	<u>14.47</u>		
Redox Potential Eh (mV)	<u>486</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

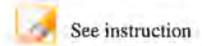
Comment

Arrived on site at 0657. Tanner and Garrin present for purge and sampling event. Purge began at 0700. Purged well for a total of 210 minutes. Purge ended and samples collected at 1030. Water was clear
Left site at 1040

MW-30 04-13-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event:

Location (well name): Sampler Name and initials:

Field Sample ID

Date and Time for Purging and Sampling (if different)

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

Purging Method Used: 2 casings 3 casings

Sampling Event Prev. Well Sampled in Sampling Event

pH Buffer 7.0 pH Buffer 4.0

Specific Conductance μ MHOS/ cm Well Depth(0.01ft):

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

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

Time	<input type="text" value="1312"/>	Gal. Purged	<input type="text" value="80.72"/>
Conductance	<input type="text" value="2278"/>	pH	<input type="text" value="6.93"/>
Temp. °C	<input type="text" value="14.87"/>		
Redox Potential Eh (mV)	<input type="text" value="478"/>		
Turbidity (NTU)	<input type="text" value="110"/>		

Time	<input type="text" value="1313"/>	Gal. Purged	<input type="text" value="80.94"/>
Conductance	<input type="text" value="2286"/>	pH	<input type="text" value="6.93"/>
Temp. °C	<input type="text" value="14.85"/>		
Redox Potential Eh (mV)	<input type="text" value="478"/>		
Turbidity (NTU)	<input type="text" value="113"/>		

Time	<input type="text" value="1314"/>	Gal. Purged	<input type="text" value="81.15"/>
Conductance	<input type="text" value="2287"/>	pH	<input type="text" value="6.93"/>
Temp. °C	<input type="text" value="14.88"/>		
Redox Potential Eh (mV)	<input type="text" value="478"/>		
Turbidity (NTU)	<input type="text" value="115"/>		

Time	<input type="text" value="1315"/>	Gal. Purged	<input type="text" value="81.37"/>
Conductance	<input type="text" value="2285"/>	pH	<input type="text" value="6.93"/>
Temp. °C	<input type="text" value="14.90"/>		
Redox Potential Eh (mV)	<input type="text" value="478"/>		
Turbidity (NTU)	<input type="text" value="115"/>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

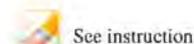
Comment

Arrived on site at 0655. Tanner and Garrin present for purge and sampling event
Purge began at 0700. Purged well for a total of 375 minutes. Purge ended
and samples collected at 1315. Left site at 1320
Water was a little cloudy

MW-31 04-12-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: April Ground Water 2016

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

Field Sample ID: MW-35_04122016

Date and Time for Purging: 4/12/2016 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 μ MHOS/ cm Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.82 Casing Volume (V) 4" Well: 7.62 (.653h)
 3" Well: 0 (.367h)

Weather Cond. Partly cloudy Ext'l Amb. Temp. °C (prior sampling event) 17°

Time	<u>1442</u>	Gal. Purged	<u>15.62</u>
Conductance	<u>4097</u>	pH	<u>6.62</u>
Temp. °C	<u>14.47</u>		
Redox Potential Eh (mV)	<u>486</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1443</u>	Gal. Purged	<u>15.84</u>
Conductance	<u>4100</u>	pH	<u>6.56</u>
Temp. °C	<u>14.50</u>		
Redox Potential Eh (mV)	<u>484</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1444</u>	Gal. Purged	<u>16.05</u>
Conductance	<u>4099</u>	pH	<u>6.55</u>
Temp. °C	<u>14.51</u>		
Redox Potential Eh (mV)	<u>482</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1445</u>	Gal. Purged	<u>16.27</u>
Conductance	<u>4091</u>	pH	<u>6.51</u>
Temp. °C	<u>14.50</u>		
Redox Potential Eh (mV)	<u>479</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

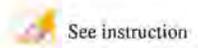
Comment

Arrived on site at 1325. Tanner and Garrin present for purge and sampling event.
 Purge began at 1330. Purged well for a total of 75 minutes.
 Purge ended and samples collected at 1445. Water was clear
 Left site at 1454

MW-35 04-12-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event:

Location (well name): Sampler Name and initials:

Field Sample ID

Date and Time for Purging and Sampling (if different)

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

Purging Method Used: 2 casings 3 casings

Sampling Event Prev. Well Sampled in Sampling Event

pH Buffer 7.0 pH Buffer 4.0

Specific Conductance μ MHOS/ cm Well Depth(0.01ft):

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

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

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

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

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

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

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

Comment

Duplicate of MW-35

MW-65 04-12-2016 Do not touch this cell (SheetName)

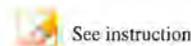
Tab C2

Field Data Worksheets Accelerated Monitoring

June 2016



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



Description of Sampling Event: June Ground Water 2016

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

Field Sample ID MW-11-060 MW-11-06142016

Date and Time for Purging 6/14/2016 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 μ MHOS/cm Well Depth(0.01ft): 130.00

Depth to Water Before Purging 85.81 Casing Volume (V) 4" Well: 28.85 (.653h)
3" Well: 0 (.367h)

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

Time	<u>1152</u>	Gal. Purged	<u>57.93</u>
Conductance	<u>2809</u>	pH	<u>6.50</u>
Temp. °C	<u>16.35</u>		
Redox Potential Eh (mV)	<u>477</u>		
Turbidity (NTU)	<u>8.1</u>		

Time	<u>1153</u>	Gal. Purged	<u>58.15</u>
Conductance	<u>2801</u>	pH	<u>6.71</u>
Temp. °C	<u>16.30</u>		
Redox Potential Eh (mV)	<u>470</u>		
Turbidity (NTU)	<u>8.0</u>		

Time	<u>1154</u>	Gal. Purged	<u>58.37</u>
Conductance	<u>2798</u>	pH	<u>6.75</u>
Temp. °C	<u>16.37</u>		
Redox Potential Eh (mV)	<u>468</u>		
Turbidity (NTU)	<u>8.2</u>		

Time	<u>1155</u>	Gal. Purged	<u>58.59</u>
Conductance	<u>2805</u>	pH	<u>6.79</u>
Temp. °C	<u>16.35</u>		
Redox Potential Eh (mV)	<u>463</u>		
Turbidity (NTU)	<u>8.1</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

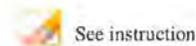
Comment

Arrived on site at 0720. Tanner and Garrin present for purge and sampling event
 Purge began at 0725. Purged well for a total of 270 minutes.
 Purge ended and samples were collected at 1155. Water was clear
 Left site at 1200

MW-11 06-14-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: June Monthly Ground Water 2016

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/JH

Field Sample ID MW-14_06142016

Date and Time for Purging 6/14/2016

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 μ MHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging 102.85

Casing Volume (V) 4" Well: 16.88 (.653h)
 3" Well: 0 (.367h)

Weather Cond. Sunny, Windy

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

Time	<u>1457</u>	Gal. Purged	<u>36.23</u>
Conductance	<u>3920</u>	pH	<u>6.20</u>
Temp. °C	<u>15.40</u>		
Redox Potential Eh (mV)	<u>477</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1458</u>	Gal. Purged	<u>36.45</u>
Conductance	<u>3886</u>	pH	<u>6.24</u>
Temp. °C	<u>15.36</u>		
Redox Potential Eh (mV)	<u>477</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1459</u>	Gal. Purged	<u>36.67</u>
Conductance	<u>3919</u>	pH	<u>6.24</u>
Temp. °C	<u>15.42</u>		
Redox Potential Eh (mV)	<u>476</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1500</u>	Gal. Purged	<u>36.89</u>
Conductance	<u>3912</u>	pH	<u>6.24</u>
Temp. °C	<u>15.40</u>		
Redox Potential Eh (mV)	<u>476</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

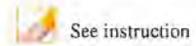
Comment

Arrived on site at 1206. Tanner and Garrin present for purge.
 Purge began at 1210. Purged well for a total of 170 minutes
 Purge ended at 1500. Water was clear.
 Left site at 1501

MW-14 06-14-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: June Ground Water 2016

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

Field Sample ID: MW-25_06142016

Date and Time for Purging: 6/14/2016 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 μ MHOS/ cm Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 76.96 Casing Volume (V) 4" Well: 29.84 (.653h)
 3" Well: 0 (.367h)

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

Time	<u>1052</u>	Gal. Purged	<u>51.42</u>
Conductance	<u>3157</u>	pH	<u>6.06</u>
Temp. °C	<u>15.10</u>		
Redox Potential Eh (mV)	<u>501</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1053</u>	Gal. Purged	<u>51.64</u>
Conductance	<u>3168</u>	pH	<u>6.18</u>
Temp. °C	<u>15.08</u>		
Redox Potential Eh (mV)	<u>499</u>		
Turbidity (NTU)	<u>1.0</u>		

Time	<u>1054</u>	Gal. Purged	<u>51.86</u>
Conductance	<u>3171</u>	pH	<u>6.21</u>
Temp. °C	<u>15.05</u>		
Redox Potential Eh (mV)	<u>498</u>		
Turbidity (NTU)	<u>44 1.0</u>		

Time	<u>1055</u>	Gal. Purged	<u>52.08</u>
Conductance	<u>3150</u>	pH	<u>6.25</u>
Temp. °C	<u>15.07</u>		
Redox Potential Eh (mV)	<u>497</u>		
Turbidity (NTU)	<u>1.0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

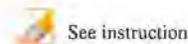
 See instruction

Comment
 Arrived on site at 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 were collected at 1055. water was clear
 Left site at 1100

MW-25 06-14-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: June Ground Water 2016

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

Field Sample ID MW-26_06152016

Date and Time for Purging 6/15/2016 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-35

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 1000 μ MHOS/ cm Well Depth(0.01ft): 121.33

Depth to Water Before Purging 65.61 Casing Volume (V) 4" Well: 36.38 (.653h)
 3" Well: 0 (.367h)

Weather Cond. Sunny Ext'l Amb. Temp. °C (prior sampling event) 23°

Time	<u>1044</u>	Gal. Purged	<u>0</u>
Conductance	<u>3395</u>	pH	<u>6.29</u>
Temp. °C	<u>15.93</u>		
Redox Potential Eh (mV)	<u>474</u>		
Turbidity (NTU)	<u>4.0</u>		

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

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

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

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

Comment

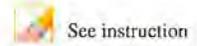
Arrived on site at 1040. Tanner and Garrin present to collect samples.
 Samples collected at 1045, water was mostly clear
 Left site at 1049

Continuous Pumping Well

MW-26 06-15-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: June Ground Water 2016

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TIH

Field Sample ID MW-30_06142016

Date and Time for Purging 6/14/2016

and Sampling (if different) N/A

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet) QFD

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 μ MHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging 75.20

Casing Volume (V) 4" Well: 22.72 (.653h)
 3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	<u>1432</u>	Gal. Purged	<u>44.91</u>
Conductance	<u>2061</u>	pH	<u>6.20</u>
Temp. °C	<u>15.80</u>		
Redox Potential Eh (mV)	<u>479</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1433</u>	Gal. Purged	<u>45.13</u>
Conductance	<u>2023</u>	pH	<u>6.24</u>
Temp. °C	<u>15.67</u>		
Redox Potential Eh (mV)	<u>477</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1434</u>	Gal. Purged	<u>45.35</u> <u>45.85</u>
Conductance	<u>2019</u>	pH	<u>6.26</u>
Temp. °C	<u>15.60</u>		
Redox Potential Eh (mV)	<u>476</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1435</u>	Gal. Purged	<u>45.57</u> <u>45.57</u>
Conductance	<u>2050</u>	pH	<u>6.28</u>
Temp. °C	<u>15.58</u>		
Redox Potential Eh (mV)	<u>474</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

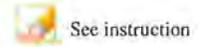
Comment

Arrived on site at 1102. Tanner and Garrin present for purge and sampling event. Purge began at 1105. Purged well for a total of 210 minutes. Purge ended and samples collected at 1435. Water was clear. Left site at 1442.

MW-30 06-14-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: June Ground Water 2016

Location (well name): MW-31 Sampler Name and initials: Tanner Holliday/JH

Field Sample ID MW-31_06152016

Date and Time for Purging 6/15/2016 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 μ MHOS/ cm Well Depth(0.01ft): 130.00

Depth to Water Before Purging 68.26 Casing Volume (V) 4" Well: 40.31 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny Ext'l Amb. Temp. °C (prior sampling event) 19°

Time	<u>1407</u>	Gal. Purged	<u>83.97</u>
Conductance	<u>2309</u>	pH	<u>7.09</u>
Temp. °C	<u>15.79</u>		
Redox Potential Eh (mV)	<u>285</u>		
Turbidity (NTU)	<u>80</u>		

Time	<u>1408</u>	Gal. Purged	<u>84.19</u>
Conductance	<u>2306</u>	pH	<u>7.05</u>
Temp. °C	<u>15.75</u>		
Redox Potential Eh (mV)	<u>291</u>		
Turbidity (NTU)	<u>81</u>		

Time	<u>1409</u>	Gal. Purged	<u>84.41</u>
Conductance	<u>2340</u>	pH	<u>7.03</u>
Temp. °C	<u>15.70</u>		
Redox Potential Eh (mV)	<u>292</u>		
Turbidity (NTU)	<u>83</u>		

Time	<u>1410</u>	Gal. Purged	<u>84.63</u>
Conductance	<u>2342</u>	pH	<u>7.01</u>
Temp. °C	<u>15.69</u>		
Redox Potential Eh (mV)	<u>294</u>		
Turbidity (NTU)	<u>84</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

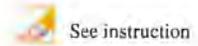
Comment

Arrived on site at 0735. Tanner and Garrin present for purge and sampling event. Purge began at 0740. Purged well for a total of 390 minutes. Purge ended and samples collected at 1410. Water was a little murky. Left site at 1427.
 1417

MW-31 06-15-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: June Ground Water 2016

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-35_06152016

Date and Time for Purging 6/15/2016

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 μ MHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging 112.20

Casing Volume (V) 4" Well: 8.03 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	<u>0907</u>	Gal. Purged	<u>15.62</u>
Conductance	<u>4106</u>	pH	<u>6.13</u>
Temp. °C	<u>14.74</u>		
Redox Potential Eh (mV)	<u>492</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0908</u>	Gal. Purged	<u>15.84</u>
Conductance	<u>4117</u>	pH	<u>6.17</u>
Temp. °C	<u>14.69</u>		
Redox Potential Eh (mV)	<u>490</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0909</u>	Gal. Purged	<u>16.05</u>
Conductance	<u>4137</u>	pH	<u>6.19</u>
Temp. °C	<u>14.74</u>		
Redox Potential Eh (mV)	<u>489</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0910</u>	Gal. Purged	<u>16.27</u>
Conductance	<u>4106</u>	pH	<u>6.20</u>
Temp. °C	<u>14.75</u>		
Redox Potential Eh (mV)	<u>488</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

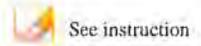
Comment

Arrived on site at 0748. Tanner and Garrin present for purge and sampling event. Purge began at 0755. Purged well for a total of 75 minutes. Purge ended and samples collected at 0910. water was clear. Left site at 0914

MW-35 06-15-2016 Do not touch this cell (SheetName)



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



Description of Sampling Event: June Ground Water 2016

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-65_06142016

Date and Time for Purging 6/14/2016

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 μ MHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging 75.20

Casing Volume (V) 4" Well: 22.72 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

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

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

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

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

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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

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

Final Depth

Sample Time

 See instruction

Comment

Duplicate of MW-30

MW-65 06-14-2016 Do not touch this cell (SheetName)

Tab D

Quarterly Depth to Water

NAME: Garrin Palmer, Tanner Holliday

6/30/2016

Time	Well	Depth to Water (ft.)	Time	Well	Depth to Water (ft.)	Time	Well	Depth to Water (ft.)	Time	Well	Depth to Water (ft.)
704	MW-1	64.32	735	MW-4	80.02	654	PIEZ-1	65.21	NA	DR-1	Abandoned
748	MW-2	109.82	734	TW4-1	92.66	648	PIEZ-2	39.65	NA	DR-2	Abandoned
830	MW-3	82.50	737	TW4-2	86.41	722	PIEZ-3A	50.15	1307	DR-5	83.12
8028	MW-3A	84.47	731	TW4-3	57.34	840	PIEZ-4	59.33	1303	DR-6	94.30
800	MW-5	106.25	738	TW4-4	74.03	837	PIEZ-5	58.94	817	DR-7	92.10
838	MW-11	86.04	728	TW4-5	64.98	731	TWN-1	62.79	1258	DR-8	51.40
803	MW-12	108.25	739	TW4-6	72.70	727	TWN-2	36.43	1255	DR-9	86.57
830	MW-14	103.11	736	TW4-7	76.45	724	TWN-3	39.89	1252	DR-10	78.40
827	MW-15	106.12	733	TW4-8	79.30	719	TWN-4	55.69	824	DR-11	98.11
814	MW-17	71.88	729	TW4-9	62.85	NA	TWN-5	Abandoned	821	DR-12	91.00
700	MW-18	72.25	726	TW4-10	62.45	657	TWN-6	78.62	817	DR-13	69.90
651	MW-19	62.18	701	TW4-11	93.77	707	TWN-7	85.29	1245	DR-14	76.34
1312	MW-20	88.90	806	TW4-12	46.20	NA	TWN-8	Abandoned	1249	DR-15	92.96
1211	MW-22	66.75	804	TW4-13	52.45	NA	TWN-9	Abandoned	NA	DR-16	Abandoned
806	MW-23	114.22	800	TW4-14	79.64	NA	TWN-10	Abandoned	1241	DR-17	64.92
744	MW-24	112.96	703	TW4-15	64.94	NA	TWN-11	Abandoned	NA	DR-18	Abandoned
842	MW-25	77.21	850	TW4-16	64.07	NA	TWN-12	Abandoned	1227	DR-19	63.05
703	MW-26	64.94	847	TW4-17	77.56	NA	TWN-13	Abandoned	1224	DR-20	55.55
713	MW-27	54.51	732	TW4-18	65.93	643	TWN-14	61.22	1215	DR-21	101.12
740	MW-28	75.30	1000	TW4-19	64.48	NA	TWN-15	Abandoned	1232	DR-22	60.66
752	MW-29	100.72	705	TW4-20	65.11	640	TWN-16	47.70	1219	DR-23	70.53
755	MW-30	75.39	734	TW4-21	67.49	NA	TWN-17	Abandoned	1235	DR-24	44.35
845	MW-31	68.40	707	TW4-22	58.25	716	TWN-18	60.60	NA	DR-25	Abandoned
847	MW-32	77.56	740	TW4-23	69.77	634	TWN-19	49.97			
813	MW-33	DRY	709	TW4-24	62.19						
822	MW-34	107.79	728	TW4-25	65.66						
809	MW-35	112.38	741	TW4-26	67.07						
812	MW-36	110.50	748	TW4-27	79.60						
824	MW-37	107.08	807	TW4-28	40.25						
			758	TW4-29	74.03						
			752	TW4-30	75.77						
			750	TW4-31	79.25						
			809	TW4-32	51.59						
			746	TW4-33	72.83						
			756	TW4-34	72.06						
			754	TW4-35	74.12						
			802	TW4-36	56.39						
			706	TW4-37	62.78						

Tab E

Laboratory Analytical Reports – Quarterly Sampling



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-001
Client Sample ID: MW-01_04202016
Collection Date: 4/20/2016 955h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/22/2016 1342h	4/25/2016 1353h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/22/2016 1342h	4/25/2016 1450h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/22/2016 1342h	4/25/2016 1353h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/22/2016 1342h	5/4/2016 1224h	E200.7	100	188	
Chromium	mg/L	4/22/2016 1342h	4/25/2016 1353h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/22/2016 1342h	4/25/2016 1353h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/22/2016 1342h	4/25/2016 1353h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/22/2016 1342h	4/25/2016 1450h	E200.8	0.0300	0.115	
Lead	mg/L	4/22/2016 1342h	4/25/2016 1450h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/22/2016 1342h	5/4/2016 1317h	E200.7	10.0	66.2	
Manganese	mg/L	4/22/2016 1342h	4/25/2016 1353h	E200.8	0.0100	0.0344	
Mercury	mg/L	4/29/2016 1515h	5/2/2016 1115h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/22/2016 1342h	4/25/2016 1353h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/22/2016 1342h	4/25/2016 1353h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/22/2016 1342h	5/4/2016 1353h	E200.7	1.00	6.82	
Selenium	mg/L	4/22/2016 1342h	4/25/2016 1353h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/22/2016 1342h	4/25/2016 1353h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/22/2016 1342h	5/4/2016 1224h	E200.7	100	164	
Thallium	mg/L	4/22/2016 1342h	4/25/2016 1450h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/22/2016 1342h	4/25/2016 1353h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/22/2016 1342h	4/25/2016 1549h	E200.8	0.000300	0.000455	
Vanadium	mg/L	4/22/2016 1342h	5/4/2016 1353h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/22/2016 1342h	4/25/2016 1353h	E200.8	0.0100	< 0.0100	

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-001
Client Sample ID: MW-01_04202016
Collection Date: 4/20/2016 955h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/26/2016 1030h	4/26/2016 1453h	E350.1	0.0500	< 0.0500	†
Bicarbonate (as CaCO ₃)	mg/L		4/25/2016 915h	SM2320B	1.00	232	
Carbonate (as CaCO ₃)	mg/L		4/25/2016 915h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/29/2016 2152h	E300.0	10.0	22.0	
Fluoride	mg/L		4/30/2016 041h	E300.0	0.100	0.306	
Ion Balance	%		5/4/2016	Calc.	-100	-0.629	
Nitrate/Nitrite (as N)	mg/L		5/10/2016 1011h	E353.2	0.100	0.185	
Sulfate	mg/L		4/29/2016 2011h	E300.0	100	825	
Total Anions, Measured	meq/L		5/4/2016	Calc.		22.4	
Total Cations, Measured	meq/L		5/4/2016	Calc.		22.2	
Total Dissolved Solids	mg/L		4/22/2016 1206h	SM2540C	20.0	1,420	@
Total Dissolved Solids Ratio, Measured/Calculated			5/4/2016	Calc.		1.01	
Total Dissolved Solids, Calculated	mg/L		5/4/2016	Calc.		1,410	

@ - High RPD due to suspected sample non-homogeneity or matrix interference.

† - 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



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-001A
Client Sample ID: MW-01_04202016
Collection Date: 4/20/2016 955h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/25/2016 1243h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.8	50.00	118	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.7	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.1	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	47.4	50.00	94.9	77-129	

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: May 19, 2016

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-01_04202016 Project: DNMI00100
Sample ID: 396023001 Client ID: DNMI001
Matrix: Ground Water
Collect Date: 20-APR-16 09:55
Receive Date: 26-APR-16
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	+/-0.168	0.585	1.00	pCi/L		AXM6	05/16/16	1908	1567688	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.4	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-001
Client Sample ID: MW-02_04262016
Collection Date: 4/26/2016 1515h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

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Kyle F. Gross
 Laboratory Director

 Jose Rocha
 QA Officer

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/29/2016 1220h	5/4/2016 1142h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/29/2016 1220h	5/4/2016 1304h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/29/2016 1220h	5/4/2016 1142h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/29/2016 1220h	5/5/2016 1052h	E200.7	100	333	2
Chromium	mg/L	4/29/2016 1220h	5/4/2016 1142h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/29/2016 1220h	5/4/2016 1142h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/29/2016 1220h	5/4/2016 1142h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/29/2016 1220h	5/4/2016 1304h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/29/2016 1220h	5/4/2016 1304h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/29/2016 1220h	5/5/2016 1133h	E200.7	10.0	93.9	1
Manganese	mg/L	4/29/2016 1220h	5/4/2016 1142h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	5/4/2016 1630h	5/9/2016 857h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/29/2016 1220h	5/4/2016 1142h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/29/2016 1220h	5/4/2016 1142h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/29/2016 1220h	5/5/2016 1133h	E200.7	10.0	10.1	
Selenium	mg/L	4/29/2016 1220h	5/4/2016 1142h	E200.8	0.00500	0.00689	
Silver	mg/L	4/29/2016 1220h	5/4/2016 1142h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/29/2016 1220h	5/5/2016 1052h	E200.7	100	518	2
Thallium	mg/L	4/29/2016 1220h	5/4/2016 1304h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/29/2016 1220h	5/4/2016 1142h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/29/2016 1220h	5/4/2016 1345h	E200.8	0.000300	0.0105	
Vanadium	mg/L	4/29/2016 1220h	5/6/2016 938h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/29/2016 1220h	5/4/2016 1142h	E200.8	0.0100	< 0.0100	

² - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-001
Client Sample ID: MW-02_04262016
Collection Date: 4/26/2016 1515h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/2/2016 1110h	5/2/2016 1634h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/29/2016 1107h	SM2320B	1.00	313	
Carbonate (as CaCO3)	mg/L		4/29/2016 1107h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/3/2016 2324h	E300.0	1.00	6.79	
Fluoride	mg/L		5/3/2016 2324h	E300.0	0.100	0.241	
Ion Balance	%		5/5/2016	Calc.	-100	-0.554	
Nitrate/Nitrite (as N)	mg/L		5/10/2016 1112h	E353.2	0.100	< 0.100	
Sulfate	mg/L		5/3/2016 1713h	E300.0	1,000	1,980	
Total Anions, Measured	meq/L		5/5/2016	Calc.		47.7	
Total Cations, Measured	meq/L		5/5/2016	Calc.		47.1	
Total Dissolved Solids	mg/L		4/29/2016 1143h	SM2540C	20.0	2,980	
Total Dissolved Solids Ratio, Measured/Calculated			5/5/2016	Calc.		0.954	
Total Dissolved Solids, Calculated	mg/L		5/5/2016	Calc.		3,130	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-001A
Client Sample ID: MW-02_04262016
Collection Date: 4/26/2016 1515h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/29/2016 1420h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.6	50.00	117	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.1	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.1	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	47.3	50.00	94.6	77-129	

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: May 26, 2016

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-02_04262016	Project: DNMI00100
Sample ID: 396449001	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 26-APR-16 15:15	
Receive Date: 02-MAY-16	
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	0.950	1.00	pCi/L		AXM6	05/25/16	1725	1568220	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"			98.7	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-002
Client Sample ID: MW-03_04262016
Collection Date: 4/26/2016 1240h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/29/2016 1220h	5/4/2016 1158h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/29/2016 1220h	5/4/2016 1307h	E200.8	0.000500	0.000625	
Cadmium	mg/L	4/29/2016 1220h	5/4/2016 1158h	E200.8	0.000500	0.00471	
Calcium	mg/L	4/29/2016 1220h	5/5/2016 1058h	E200.7	100	469	
Chromium	mg/L	4/29/2016 1220h	5/4/2016 1158h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/29/2016 1220h	5/4/2016 1158h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/29/2016 1220h	5/4/2016 1158h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/29/2016 1220h	5/4/2016 1307h	E200.8	0.0300	0.109	
Lead	mg/L	4/29/2016 1220h	5/4/2016 1307h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/29/2016 1220h	5/5/2016 1058h	E200.7	100	254	
Manganese	mg/L	4/29/2016 1220h	5/4/2016 1239h	E200.8	0.0100	4.56	
Mercury	mg/L	5/4/2016 1630h	5/9/2016 902h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/29/2016 1220h	5/4/2016 1158h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/29/2016 1220h	5/4/2016 1158h	E200.8	0.0200	0.0836	
Potassium	mg/L	4/29/2016 1220h	5/5/2016 1139h	E200.7	10.0	24.4	
Selenium	mg/L	4/29/2016 1220h	5/4/2016 1158h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/29/2016 1220h	5/4/2016 1158h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/29/2016 1220h	5/5/2016 1058h	E200.7	100	806	
Thallium	mg/L	4/29/2016 1220h	5/4/2016 1307h	E200.8	0.000500	0.00154	
Tin	mg/L	4/29/2016 1220h	5/4/2016 1158h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/29/2016 1220h	5/4/2016 1348h	E200.8	0.000300	0.0181	
Vanadium	mg/L	4/29/2016 1220h	5/6/2016 945h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/29/2016 1220h	5/4/2016 1239h	E200.8	0.0250	2.58	

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Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-002
Client Sample ID: MW-03_04262016
Collection Date: 4/26/2016 1240h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/2/2016 1110h	5/2/2016 1642h	E350.1	0.0500	0.0871	
Bicarbonate (as CaCO ₃)	mg/L		4/29/2016 1107h	SM2320B	1.00	242	
Carbonate (as CaCO ₃)	mg/L		4/29/2016 1107h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/3/2016 2036h	E300.0	10.0	63.8	
Fluoride	mg/L		5/3/2016 2341h	E300.0	0.100	1.13	
Ion Balance	%		5/5/2016	Calc.	-100	2.25	
Nitrate/Nitrite (as N)	mg/L		5/10/2016 1116h	E353.2	0.100	< 0.100	
Sulfate	mg/L		5/3/2016 1730h	E300.0	1,000	3,350	
Total Anions, Measured	meq/L		5/5/2016	Calc.		76.5	
Total Cations, Measured	meq/L		5/5/2016	Calc.		80.0	
Total Dissolved Solids	mg/L		4/29/2016 1143h	SM2540C	20.0	5,330	
Total Dissolved Solids Ratio, Measured/Calculated			5/5/2016	Calc.		1.04	
Total Dissolved Solids, Calculated	mg/L		5/5/2016	Calc.		5,120	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-002A
Client Sample ID: MW-03_04262016
Collection Date: 4/26/2016 1240h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/29/2016 1440h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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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	36.1	
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	59.2	50.00	118	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.8	50.00	106	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.5	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	47.6	50.00	95.2	77-129	

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Certificate of Analysis

Report Date: May 26, 2016

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-03_04262016	Project: DNMI00100
Sample ID: 396449002	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 26-APR-16 12:40	
Receive Date: 02-MAY-16	
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	+/-0.173	0.632	1.00	pCi/L		AXM6	05/26/16	1008	1568220	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"			97.2	(25%-125%)							

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-003
Client Sample ID: MW-03A_04272016
Collection Date: 4/27/2016 710h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/29/2016 1220h	5/4/2016 1201h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/29/2016 1220h	5/4/2016 1310h	E200.8	0.000500	0.000730	
Cadmium	mg/L	4/29/2016 1220h	5/4/2016 1201h	E200.8	0.000500	0.00149	
Calcium	mg/L	4/29/2016 1220h	5/5/2016 1106h	E200.7	100	484	
Chromium	mg/L	4/29/2016 1220h	5/4/2016 1201h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/29/2016 1220h	5/4/2016 1201h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/29/2016 1220h	5/4/2016 1201h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/29/2016 1220h	5/4/2016 1310h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/29/2016 1220h	5/4/2016 1310h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/29/2016 1220h	5/5/2016 1106h	E200.7	100	309	
Manganese	mg/L	4/29/2016 1220h	5/4/2016 1201h	E200.8	0.0100	0.0205	
Mercury	mg/L	5/4/2016 1630h	5/9/2016 904h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/29/2016 1220h	5/4/2016 1201h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/29/2016 1220h	5/4/2016 1201h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/29/2016 1220h	5/5/2016 1141h	E200.7	10.0	28.3	
Selenium	mg/L	4/29/2016 1220h	5/4/2016 1201h	E200.8	0.00500	0.103	
Silver	mg/L	4/29/2016 1220h	5/4/2016 1201h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/29/2016 1220h	5/5/2016 1106h	E200.7	100	770	
Thallium	mg/L	4/29/2016 1220h	5/4/2016 1310h	E200.8	0.000500	0.000653	
Tin	mg/L	4/29/2016 1220h	5/4/2016 1201h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/29/2016 1220h	5/4/2016 1351h	E200.8	0.000300	0.0178	
Vanadium	mg/L	4/29/2016 1220h	5/6/2016 947h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/29/2016 1220h	5/4/2016 1201h	E200.8	0.0100	0.0396	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-003
Client Sample ID: MW-03A_04272016
Collection Date: 4/27/2016 710h
Received Date: 4/29/2016 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/2/2016 1110h	5/2/2016 1642h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/29/2016 1107h	SM2320B	1.00	289	
Carbonate (as CaCO3)	mg/L		4/29/2016 1107h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/3/2016 2053h	E300.0	10.0	62.6	
Fluoride	mg/L		5/3/2016 2358h	E300.0	0.100	1.12	
Ion Balance	%		5/5/2016	Calc.	-100	1.01	
Nitrate/Nitrite (as N)	mg/L		5/10/2016 1118h	E353.2	0.100	1.20	
Sulfate	mg/L		5/3/2016 1747h	E300.0	1,000	3,580	
Total Anions, Measured	meq/L		5/5/2016	Calc.		82.1	
Total Cations, Measured	meq/L		5/5/2016	Calc.		83.8	
Total Dissolved Solids	mg/L		4/29/2016 1143h	SM2540C	20.0	5,260	
Total Dissolved Solids Ratio, Measured/Calculated			5/5/2016	Calc.		0.971	
Total Dissolved Solids, Calculated	mg/L		5/5/2016	Calc.		5,410	

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QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-003A
Client Sample ID: MW-03A_04272016
Collection Date: 4/27/2016 710h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/29/2016 1459h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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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	58.2	50.00	116	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.8	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.0	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	46.4	50.00	92.8	77-129	

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Certificate of Analysis

Report Date: May 26, 2016

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-03A_04272016	Project: DNMI00100
Sample ID: 396449003	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 27-APR-16 07:10	
Receive Date: 02-MAY-16	
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	+/-0.315	0.945	1.00	pCi/L		AXM6	05/25/16	1728	1568220	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments										
	EPA 900.1 Modified											

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.1	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-002
Client Sample ID: MW-05_04212016
Collection Date: 4/21/2016 950h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/22/2016 1342h	4/25/2016 1356h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/22/2016 1342h	4/25/2016 1453h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/22/2016 1342h	4/25/2016 1356h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/22/2016 1342h	5/4/2016 1226h	E200.7	100	146	
Chromium	mg/L	4/22/2016 1342h	4/25/2016 1356h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/22/2016 1342h	4/25/2016 1356h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/22/2016 1342h	4/25/2016 1356h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/22/2016 1342h	4/25/2016 1453h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/22/2016 1342h	4/25/2016 1453h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/22/2016 1342h	5/4/2016 1319h	E200.7	10.0	40.6	
Manganese	mg/L	4/22/2016 1342h	4/25/2016 1356h	E200.8	0.0100	0.161	
Mercury	mg/L	4/29/2016 1515h	5/2/2016 1120h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/22/2016 1342h	4/25/2016 1356h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/22/2016 1342h	4/25/2016 1356h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/22/2016 1342h	5/4/2016 1356h	E200.7	1.00	7.50	
Selenium	mg/L	4/22/2016 1342h	4/25/2016 1356h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/22/2016 1342h	4/25/2016 1356h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/22/2016 1342h	5/4/2016 1226h	E200.7	100	504	
Thallium	mg/L	4/22/2016 1342h	4/25/2016 1453h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/22/2016 1342h	4/25/2016 1356h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/22/2016 1342h	4/25/2016 1552h	E200.8	0.000300	0.000869	
Vanadium	mg/L	4/22/2016 1342h	5/4/2016 1356h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/22/2016 1342h	4/25/2016 1356h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-002
Client Sample ID: MW-05_04212016
Collection Date: 4/21/2016 950h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/26/2016 1030h	4/26/2016 1455h	E350.1	0.0500	0.278	
Bicarbonate (as CaCO ₃)	mg/L		4/25/2016 915h	SM2320B	1.00	308	
Carbonate (as CaCO ₃)	mg/L		4/25/2016 915h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/29/2016 2209h	E300.0	10.0	52.6	
Fluoride	mg/L		4/30/2016 058h	E300.0	0.100	0.822	
Ion Balance	%		5/4/2016	Calc.	-100	0.300	
Nitrate/Nitrite (as N)	mg/L		5/6/2016 1436h	E353.2	0.100	0.156	
Sulfate	mg/L		4/29/2016 1813h	E300.0	1,000	1,200	
Total Anions, Measured	meq/L		5/4/2016	Calc.		32.5	
Total Cations, Measured	meq/L		5/4/2016	Calc.		32.7	
Total Dissolved Solids	mg/L		4/22/2016 1206h	SM2540C	20.0	2,040	
Total Dissolved Solids Ratio, Measured/Calculated			5/4/2016	Calc.		0.957	
Total Dissolved Solids, Calculated	mg/L		5/4/2016	Calc.		2,130	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-002A
Client Sample ID: MW-05_04212016
Collection Date: 4/21/2016 950h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/25/2016 1302h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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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	59.4	50.00	119	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.2	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.6	50.00	103	80-124	
Surr: Toluene-d8	2037-26-5	48.3	50.00	96.7	77-129	

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Certificate of Analysis

Report Date: May 19, 2016

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-05_04212016 Project: DNMI00100
Sample ID: 396023002 Client ID: DNMI001
Matrix: Ground Water
Collect Date: 21-APR-16 09:50
Receive Date: 26-APR-16
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	+/-0.134	0.472	1.00	pCi/L		AXM6	05/16/16	1908	1567688	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.1	(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: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-001
Client Sample ID: MW-11_05032016
Collection Date: 5/3/2016 1540h
Received Date: 5/6/2016 1015h

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	5/11/2016 1328h	5/12/2016 1414h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	5/11/2016 1328h	5/12/2016 1801h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	5/11/2016 1328h	5/12/2016 1414h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	5/11/2016 1328h	5/17/2016 1428h	E200.7	10.0	75.6	
Chromium	mg/L	5/11/2016 1328h	5/12/2016 1414h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	5/11/2016 1328h	5/12/2016 1414h	E200.8	0.0100	< 0.0100	
Copper	mg/L	5/11/2016 1328h	5/12/2016 1414h	E200.8	0.0100	< 0.0100	
Iron	mg/L	5/11/2016 1328h	5/12/2016 1801h	E200.8	0.0300	0.0454	
Lead	mg/L	5/11/2016 1328h	5/12/2016 1801h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	5/11/2016 1328h	5/17/2016 1428h	E200.7	10.0	23.8	
Manganese	mg/L	5/11/2016 1328h	5/12/2016 1414h	E200.8	0.0100	0.159	
Mercury	mg/L	5/11/2016 1820h	5/12/2016 929h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	5/11/2016 1328h	5/12/2016 1414h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	5/11/2016 1328h	5/12/2016 1414h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	5/11/2016 1328h	5/17/2016 1600h	E200.7	1.00	6.98	
Selenium	mg/L	5/11/2016 1328h	5/12/2016 1414h	E200.8	0.00500	< 0.00500	
Silver	mg/L	5/11/2016 1328h	5/12/2016 1414h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	5/11/2016 1328h	5/17/2016 1338h	E200.7	100	613	
Thallium	mg/L	5/11/2016 1328h	5/12/2016 1801h	E200.8	0.000500	< 0.000500	
Tin	mg/L	5/11/2016 1328h	5/12/2016 1414h	E200.8	0.100	< 0.100	
Uranium	mg/L	5/11/2016 1328h	5/12/2016 1839h	E200.8	0.000300	0.000778	
Vanadium	mg/L	5/11/2016 1328h	5/17/2016 1600h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	5/11/2016 1328h	5/12/2016 1414h	E200.8	0.0100	< 0.0100	

² - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-001
Client Sample ID: MW-11_05032016
Collection Date: 5/3/2016 1540h
Received Date: 5/6/2016 1015h

Analytical Results

	Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
3440 South 700 West	Ammonia (as N)	mg/L	5/9/2016 1250h	5/9/2016 1720h	E350.1	0.0500	0.780	
Salt Lake City, UT 84119	Bicarbonate (as CaCO ₃)	mg/L		5/10/2016 849h	SM2320B	1.00	303	
Phone: (801) 263-8686	Carbonate (as CaCO ₃)	mg/L		5/10/2016 849h	SM2320B	1.00	< 1.00	
Toll Free: (888) 263-8686	Chloride	mg/L		5/12/2016 2339h	E300.0	10.0	30.7	
Fax: (801) 263-8687	Fluoride	mg/L		5/13/2016 808h	E300.0	0.100	0.451	
e-mail: awal@awal-labs.com	Ion Balance	%		5/17/2016	Calc.	-100	1.23	
web: www.awal-labs.com	Nitrate/Nitrite (as N)	mg/L		5/18/2016 1258h	E353.2	0.100	0.117	
	Sulfate	mg/L		5/12/2016 1910h	E300.0	1,000	1,200	
	Total Anions, Measured	meq/L		5/17/2016	Calc.		31.8	
	Total Cations, Measured	meq/L		5/17/2016	Calc.		32.6	
	Total Dissolved Solids	mg/L		5/6/2016 1346h	SM2540C	20.0	2,000	
Kyle F. Gross Laboratory Director	Total Dissolved Solids Ratio, Measured/Calculated			5/17/2016	Calc.		0.942	
Jose Rocha QA Officer	Total Dissolved Solids, Calculated	mg/L		5/17/2016	Calc.		2,130	



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-001A
Client Sample ID: MW-11_05032016
Collection Date: 5/3/2016 1540h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 5/6/2016 1622h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.6	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.3	50.00	96.7	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.6	50.00	99.1	80-124	
Surr: Toluene-d8	2037-26-5	49.8	50.00	99.6	77-129	

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Certificate of Analysis

Report Date: June 1, 2016

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_05032016	Project: DNMI00100
Sample ID: 396973001	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 03-MAY-16 15:40	
Receive Date: 09-MAY-16	
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	+/-0.286	0.984	1.00	pCi/L		AXM6	05/25/16	1728	1568220	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			101	(25%-125%)

Notes:
 Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-003
Client Sample ID: MW-12_04212016
Collection Date: 4/21/2016 850h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/22/2016 1342h	4/25/2016 1409h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/22/2016 1342h	4/25/2016 1456h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/22/2016 1342h	4/25/2016 1409h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/22/2016 1342h	5/4/2016 1229h	E200.7	100	535	
Chromium	mg/L	4/22/2016 1342h	4/25/2016 1409h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/22/2016 1342h	4/25/2016 1409h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/22/2016 1342h	4/26/2016 1319h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/22/2016 1342h	4/25/2016 1456h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/22/2016 1342h	4/25/2016 1456h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/22/2016 1342h	5/4/2016 1229h	E200.7	100	236	
Manganese	mg/L	4/22/2016 1342h	4/25/2016 1409h	E200.8	0.0100	0.0100	
Mercury	mg/L	4/29/2016 1515h	5/2/2016 1122h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/22/2016 1342h	4/25/2016 1409h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/22/2016 1342h	4/25/2016 1409h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/22/2016 1342h	5/4/2016 1322h	E200.7	10.0	15.0	
Selenium	mg/L	4/22/2016 1342h	4/25/2016 1409h	E200.8	0.00500	0.0312	
Silver	mg/L	4/22/2016 1342h	4/25/2016 1409h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/22/2016 1342h	5/4/2016 1229h	E200.7	100	325	
Thallium	mg/L	4/22/2016 1342h	4/25/2016 1456h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/22/2016 1342h	4/25/2016 1409h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/22/2016 1342h	4/25/2016 1555h	E200.8	0.000300	0.0233	
Vanadium	mg/L	4/22/2016 1342h	5/4/2016 1358h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/22/2016 1342h	4/25/2016 1409h	E200.8	0.0100	< 0.0100	

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web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-003
Client Sample ID: MW-12_04212016
Collection Date: 4/21/2016 850h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

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Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/26/2016 1030h	4/26/2016 1456h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO ₃)	mg/L		4/25/2016 915h	SM2320B	1.00	325	
Carbonate (as CaCO ₃)	mg/L		4/25/2016 915h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/29/2016 2226h	E300.0	10.0	67.3	
Fluoride	mg/L		4/30/2016 115h	E300.0	0.100	0.166	
Ion Balance	%		5/4/2016	Calc.	-100	0.875	
Nitrate/Nitrite (as N)	mg/L		5/6/2016 1437h	E353.2	0.100	0.123	
Sulfate	mg/L		4/29/2016 1830h	E300.0	1,000	2,460	
Total Anions, Measured	meq/L		5/4/2016	Calc.		59.6	
Total Cations, Measured	meq/L		5/4/2016	Calc.		60.6	
Total Dissolved Solids	mg/L		4/22/2016 1206h	SM2540C	20.0	3,780	
Total Dissolved Solids Ratio, Measured/Calculated			5/4/2016	Calc.		0.986	
Total Dissolved Solids, Calculated	mg/L		5/4/2016	Calc.		3,830	



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-003A
Client Sample ID: MW-12_04212016
Collection Date: 4/21/2016 850h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/25/2016 1322h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	59.0	50.00	118	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.1	50.00	106	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.8	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	48.0	50.00	96.1	77-129	

GEL LABORATORIES LLC

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Certificate of Analysis

Report Date: May 19, 2016

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-12_04212016 Project: DNMI00100
Sample ID: 396023003 Client ID: DNMI001
Matrix: Ground Water
Collect Date: 21-APR-16 08:50
Receive Date: 26-APR-16
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	+/-0.162	0.559	1.00	pCi/L		AXM6	05/16/16	1908	1567688	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.4	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-002
Client Sample ID: MW-14_05042016
Collection Date: 5/4/2016 1010h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	5/11/2016 1328h	5/12/2016 1429h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	5/11/2016 1328h	5/12/2016 1805h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	5/11/2016 1328h	5/12/2016 1429h	E200.8	0.000500	0.00139	
Calcium	mg/L	5/11/2016 1328h	5/17/2016 1344h	E200.7	100	523	
Chromium	mg/L	5/11/2016 1328h	5/12/2016 1429h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	5/11/2016 1328h	5/12/2016 1429h	E200.8	0.0100	< 0.0100	
Copper	mg/L	5/11/2016 1328h	5/12/2016 1429h	E200.8	0.0100	< 0.0100	
Iron	mg/L	5/11/2016 1328h	5/12/2016 1805h	E200.8	0.0300	< 0.0300	
Lead	mg/L	5/11/2016 1328h	5/12/2016 1805h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	5/11/2016 1328h	5/17/2016 1344h	E200.7	100	159	
Manganese	mg/L	5/11/2016 1328h	5/12/2016 1429h	E200.8	0.0100	2.00	
Mercury	mg/L	5/11/2016 1820h	5/12/2016 935h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	5/11/2016 1328h	5/12/2016 1429h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	5/11/2016 1328h	5/12/2016 1429h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	5/11/2016 1328h	5/17/2016 1441h	E200.7	10.0	12.0	
Selenium	mg/L	5/11/2016 1328h	5/12/2016 1429h	E200.8	0.00500	< 0.00500	
Silver	mg/L	5/11/2016 1328h	5/12/2016 1429h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	5/11/2016 1328h	5/17/2016 1344h	E200.7	100	358	
Thallium	mg/L	5/11/2016 1328h	5/12/2016 1805h	E200.8	0.000500	< 0.000500	
Tin	mg/L	5/11/2016 1328h	5/12/2016 1429h	E200.8	0.100	< 0.100	
Uranium	mg/L	5/11/2016 1328h	5/12/2016 1842h	E200.8	0.000300	0.0601	
Vanadium	mg/L	5/11/2016 1328h	5/18/2016 1342h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	5/11/2016 1328h	5/12/2016 1429h	E200.8	0.0100	0.0126	

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-002
Client Sample ID: MW-14_05042016
Collection Date: 5/4/2016 1010h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/9/2016 1250h	5/9/2016 1726h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO ₃)	mg/L		5/10/2016 849h	SM2320B	1.00	384	
Carbonate (as CaCO ₃)	mg/L		5/10/2016 849h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/12/2016 2356h	E300.0	10.0	19.4	
Fluoride	mg/L		5/13/2016 824h	E300.0	0.100	0.121	
Ion Balance	%		5/17/2016	Calc.	-100	0.580	
Nitrate/Nitrite (as N)	mg/L		5/18/2016 1309h	E353.2	0.100	< 0.100	
Sulfate	mg/L		5/12/2016 1926h	E300.0	1,000	2,220	
Total Anions, Measured	meq/L		5/17/2016	Calc.		54.5	
Total Cations, Measured	meq/L		5/17/2016	Calc.		55.1	
Total Dissolved Solids	mg/L		5/6/2016 1346h	SM2540C	20.0	3,270	
Total Dissolved Solids Ratio, Measured/Calculated			5/17/2016	Calc.		0.928	
Total Dissolved Solids, Calculated	mg/L		5/17/2016	Calc.		3,520	

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Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-002A
Client Sample ID: MW-14_05042016
Collection Date: 5/4/2016 1010h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 5/6/2016 1642h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.4	50.00	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.1	50.00	98.2	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.4	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	50.5	50.00	101	77-129	

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Certificate of Analysis

Report Date: June 1, 2016

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_05042016	Project: DNMI00100
Sample ID: 396973002	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 04-MAY-16 10:10	
Receive Date: 09-MAY-16	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.253	0.971	1.00	pCi/L		AXM6	05/25/16	1725	1568220	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments										
	EPA 900.1 Modified											
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits							
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			101	(25%-125%)							

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-004
Client Sample ID: MW-15_04272016
Collection Date: 4/27/2016 1050h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/29/2016 1220h	5/4/2016 1204h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/29/2016 1220h	5/4/2016 1313h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/29/2016 1220h	5/4/2016 1204h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/29/2016 1220h	5/5/2016 1108h	E200.7	100	459	
Chromium	mg/L	4/29/2016 1220h	5/4/2016 1204h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/29/2016 1220h	5/4/2016 1204h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/29/2016 1220h	5/4/2016 1204h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/29/2016 1220h	5/4/2016 1313h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/29/2016 1220h	5/4/2016 1313h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/29/2016 1220h	5/5/2016 1108h	E200.7	100	163	
Manganese	mg/L	4/29/2016 1220h	5/4/2016 1204h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	5/4/2016 1630h	5/9/2016 909h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/29/2016 1220h	5/4/2016 1204h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/29/2016 1220h	5/4/2016 1204h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/29/2016 1220h	5/5/2016 1143h	E200.7	10.0	10.1	
Selenium	mg/L	4/29/2016 1220h	5/4/2016 1204h	E200.8	0.00500	0.126	
Silver	mg/L	4/29/2016 1220h	5/4/2016 1204h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/29/2016 1220h	5/5/2016 1108h	E200.7	100	491	
Thallium	mg/L	4/29/2016 1220h	5/4/2016 1313h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/29/2016 1220h	5/4/2016 1204h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/29/2016 1220h	5/4/2016 1354h	E200.8	0.000300	0.0423	
Vanadium	mg/L	4/29/2016 1220h	5/6/2016 949h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/29/2016 1220h	5/4/2016 1204h	E200.8	0.0100	< 0.0100	

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QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-004
Client Sample ID: MW-15_04272016
Collection Date: 4/27/2016 1050h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/2/2016 1110h	5/2/2016 1643h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/29/2016 1107h	SM2320B	1.00	360	
Carbonate (as CaCO3)	mg/L		4/29/2016 1107h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/3/2016 2109h	E300.0	10.0	39.1	
Fluoride	mg/L		5/4/2016 015h	E300.0	0.100	0.162	
Ion Balance	%		5/5/2016	Calc.	-100	-0.134	
Nitrate/Nitrite (as N)	mg/L		5/10/2016 1119h	E353.2	0.100	0.188	
Sulfate	mg/L		5/3/2016 1838h	E300.0	1,000	2,390	
Total Anions, Measured	meq/L		5/5/2016	Calc.		58.1	
Total Cations, Measured	meq/L		5/5/2016	Calc.		58.0	
Total Dissolved Solids	mg/L		4/29/2016 1143h	SM2540C	20.0	3,690	
Total Dissolved Solids Ratio, Measured/Calculated			5/5/2016	Calc.		0.978	
Total Dissolved Solids, Calculated	mg/L		5/5/2016	Calc.		3,770	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-004A
Client Sample ID: MW-15_04272016
Collection Date: 4/27/2016 1050h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/29/2016 1519h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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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	61.2	50.00	122	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.0	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	52.5	50.00	105	80-124	
Surr: Toluene-d8	2037-26-5	47.8	50.00	95.5	77-129	

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Certificate of Analysis

Report Date: May 26, 2016

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-15_04272016 Project: DNMI00100
Sample ID: 396449004 Client ID: DNMI001
Matrix: Ground Water
Collect Date: 27-APR-16 10:50
Receive Date: 02-MAY-16
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	+/-0.259	0.991	1.00	pCi/L		AXM6	05/25/16	1728	1568220	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments										
	EPA 900.1 Modified											
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits							
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			101	(25%-125%)							

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-005
Client Sample ID: MW-17_04262016
Collection Date: 4/26/2016 1055h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/29/2016 1220h	5/4/2016 1223h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/29/2016 1220h	5/4/2016 1316h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/29/2016 1220h	5/4/2016 1223h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/29/2016 1220h	5/5/2016 1110h	E200.7	100	313	
Chromium	mg/L	4/29/2016 1220h	5/4/2016 1223h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/29/2016 1220h	5/4/2016 1223h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/29/2016 1220h	5/4/2016 1223h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/29/2016 1220h	5/4/2016 1316h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/29/2016 1220h	5/4/2016 1316h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/29/2016 1220h	5/5/2016 1110h	E200.7	100	146	
Manganese	mg/L	4/29/2016 1220h	5/4/2016 1223h	E200.8	0.0100	0.0558	
Mercury	mg/L	5/4/2016 1630h	5/9/2016 911h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/29/2016 1220h	5/4/2016 1223h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/29/2016 1220h	5/4/2016 1223h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/29/2016 1220h	5/5/2016 1145h	E200.7	10.0	10.1	
Selenium	mg/L	4/29/2016 1220h	5/4/2016 1223h	E200.8	0.00500	0.0144	
Silver	mg/L	4/29/2016 1220h	5/4/2016 1223h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/29/2016 1220h	5/5/2016 1110h	E200.7	100	489	
Thallium	mg/L	4/29/2016 1220h	5/4/2016 1316h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/29/2016 1220h	5/4/2016 1223h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/29/2016 1220h	5/4/2016 1358h	E200.8	0.000300	0.0192	
Vanadium	mg/L	4/29/2016 1220h	5/10/2016 1049h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/29/2016 1220h	5/4/2016 1223h	E200.8	0.0100	< 0.0100	

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Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-005
Client Sample ID: MW-17_04262016
Collection Date: 4/26/2016 1055h
Received Date: 4/29/2016 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/2/2016 1110h	5/2/2016 1644h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/29/2016 1107h	SM2320B	1.00	354	
Carbonate (as CaCO3)	mg/L		4/29/2016 1107h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/3/2016 2126h	E300.0	10.0	34.9	
Fluoride	mg/L		5/4/2016 032h	E300.0	0.100	0.221	
Ion Balance	%		5/5/2016	Calc.	-100	4.30	
Nitrate/Nitrite (as N)	mg/L		5/10/2016 1120h	E353.2	0.100	1.17	
Sulfate	mg/L		5/3/2016 1855h	E300.0	1,000	1,780	
Total Anions, Measured	meq/L		5/5/2016	Calc.		45.1	
Total Cations, Measured	meq/L		5/5/2016	Calc.		49.2	
Total Dissolved Solids	mg/L		4/29/2016 1143h	SM2540C	20.0	3,180	
Total Dissolved Solids Ratio, Measured/Calculated			5/5/2016	Calc.		1.06	
Total Dissolved Solids, Calculated	mg/L		5/5/2016	Calc.		2,980	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-005A
Client Sample ID: MW-17_04262016
Collection Date: 4/26/2016 1055h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/29/2016 1539h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	59.3	50.00	119	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.3	50.00	96.6	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.7	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	46.8	50.00	93.5	77-129	

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Certificate of Analysis

Report Date: May 26, 2016

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-17_04262016	Project: DNMI00100
Sample ID: 396449005	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 26-APR-16 10:55	
Receive Date: 02-MAY-16	
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	+/-0.294	0.957	1.00	pCi/L		AXM6	05/25/16	1728	1568220	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.1	(25%-125%)

Notes:
 Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-004
Client Sample ID: MW-18_04192016
Collection Date: 4/19/2016 1335h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/22/2016 1342h	4/25/2016 1412h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/22/2016 1342h	4/25/2016 1459h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/22/2016 1342h	4/25/2016 1412h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/22/2016 1342h	5/4/2016 1231h	E200.7	100	582	
Chromium	mg/L	4/22/2016 1342h	4/25/2016 1412h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/22/2016 1342h	4/25/2016 1412h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/22/2016 1342h	4/26/2016 1322h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/22/2016 1342h	4/25/2016 1459h	E200.8	0.0300	0.0325	
Lead	mg/L	4/22/2016 1342h	4/25/2016 1459h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/22/2016 1342h	5/4/2016 1231h	E200.7	100	138	
Manganese	mg/L	4/22/2016 1342h	4/25/2016 1412h	E200.8	0.0100	0.0645	
Mercury	mg/L	4/29/2016 1515h	5/2/2016 1127h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/22/2016 1342h	4/25/2016 1412h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/22/2016 1342h	4/25/2016 1412h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/22/2016 1342h	5/4/2016 1401h	E200.7	1.00	8.69	
Selenium	mg/L	4/22/2016 1342h	4/25/2016 1412h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/22/2016 1342h	4/25/2016 1412h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/22/2016 1342h	5/4/2016 1231h	E200.7	100	182	
Thallium	mg/L	4/22/2016 1342h	4/25/2016 1459h	E200.8	0.000500	0.00277	
Tin	mg/L	4/22/2016 1342h	4/25/2016 1412h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/22/2016 1342h	4/25/2016 1558h	E200.8	0.000300	0.0349	
Vanadium	mg/L	4/22/2016 1342h	5/4/2016 1401h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/22/2016 1342h	4/25/2016 1412h	E200.8	0.0100	0.0177	

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Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-004
Client Sample ID: MW-18_04192016
Collection Date: 4/19/2016 1335h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/26/2016 1030h	4/26/2016 1502h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/25/2016 915h	SM2320B	1.00	380	
Carbonate (as CaCO3)	mg/L		4/25/2016 915h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/29/2016 2243h	E300.0	10.0	43.6	
Fluoride	mg/L		4/30/2016 131h	E300.0	0.100	0.207	
Ion Balance	%		5/4/2016	Calc.	-100	0.424	
Nitrate/Nitrite (as N)	mg/L		5/6/2016 1439h	E353.2	0.100	< 0.100	
Sulfate	mg/L		4/29/2016 1847h	E300.0	1,000	1,890	
Total Anions, Measured	meq/L		5/4/2016	Calc.		48.1	
Total Cations, Measured	meq/L		5/4/2016	Calc.		48.6	
Total Dissolved Solids	mg/L		4/22/2016 1206h	SM2540C	20.0	3,190	
Total Dissolved Solids Ratio, Measured/Calculated			5/4/2016	Calc.		1.04	
Total Dissolved Solids, Calculated	mg/L		5/4/2016	Calc.		3,070	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-004A
Client Sample ID: MW-18_04192016
Collection Date: 4/19/2016 1335h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/25/2016 1342h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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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	58.4	50.00	117	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.6	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.4	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	47.4	50.00	94.8	77-129	

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Certificate of Analysis

Report Date: May 19, 2016

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-18_04192016	Project: DNMI00100
Sample ID: 396023004	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 19-APR-16 13:35	
Receive Date: 26-APR-16	
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	+/-0.176	0.604	1.00	pCi/L		AXM6	05/16/16	1908 1567688	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.1	(25%-125%)

Notes:
 Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-005
Client Sample ID: MW-19_04192016
Collection Date: 4/19/2016 1550h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/22/2016 1342h	4/25/2016 1415h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/22/2016 1342h	4/25/2016 1502h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/22/2016 1342h	4/25/2016 1415h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/22/2016 1342h	5/4/2016 1233h	E200.7	100	144	
Chromium	mg/L	4/22/2016 1342h	4/25/2016 1415h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/22/2016 1342h	4/25/2016 1415h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/22/2016 1342h	4/26/2016 1325h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/22/2016 1342h	4/25/2016 1502h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/22/2016 1342h	4/25/2016 1502h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/22/2016 1342h	5/4/2016 1327h	E200.7	10.0	52.3	
Manganese	mg/L	4/22/2016 1342h	4/25/2016 1415h	E200.8	0.0100	0.0122	
Mercury	mg/L	4/29/2016 1515h	5/2/2016 1129h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/22/2016 1342h	4/25/2016 1415h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/22/2016 1342h	4/25/2016 1415h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/22/2016 1342h	5/4/2016 1404h	E200.7	1.00	4.40	
Selenium	mg/L	4/22/2016 1342h	4/25/2016 1415h	E200.8	0.00500	0.0141	
Silver	mg/L	4/22/2016 1342h	4/25/2016 1415h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/22/2016 1342h	5/4/2016 1327h	E200.7	10.0	102	
Thallium	mg/L	4/22/2016 1342h	4/25/2016 1502h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/22/2016 1342h	4/25/2016 1415h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/22/2016 1342h	4/25/2016 1601h	E200.8	0.000300	0.00584	
Vanadium	mg/L	4/22/2016 1342h	5/4/2016 1404h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/22/2016 1342h	4/25/2016 1415h	E200.8	0.0100	< 0.0100	

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Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-005
Client Sample ID: MW-19_04192016
Collection Date: 4/19/2016 1550h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/26/2016 1030h	4/26/2016 1503h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO ₃)	mg/L		4/25/2016 915h	SM2320B	1.00	189	
Carbonate (as CaCO ₃)	mg/L		4/25/2016 915h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/29/2016 2300h	E300.0	10.0	30.9	
Fluoride	mg/L		4/30/2016 148h	E300.0	0.100	1.01	
Ion Balance	%		5/4/2016	Calc.	-100	-1.33	
Nitrate/Nitrite (as N)	mg/L		5/6/2016 1440h	E353.2	0.100	2.63	
Sulfate	mg/L		4/29/2016 2028h	E300.0	100	566	
Total Anions, Measured	meq/L		5/4/2016	Calc.		16.4	
Total Cations, Measured	meq/L		5/4/2016	Calc.		16.0	
Total Dissolved Solids	mg/L		4/22/2016 1206h	SM2540C	20.0	1,100	
Total Dissolved Solids Ratio, Measured/Calculated			5/4/2016	Calc.		1.09	
Total Dissolved Solids, Calculated	mg/L		5/4/2016	Calc.		1,010	

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Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-005A
Client Sample ID: MW-19_04192016
Collection Date: 4/19/2016 1550h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/25/2016 1401h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.8	50.00	112	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.5	50.00	99.0	80-152	
Surr: Dibromofluoromethane	1868-53-7	48.7	50.00	97.4	80-124	
Surr: Toluene-d8	2037-26-5	45.6	50.00	91.2	77-129	

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Certificate of Analysis

Report Date: May 19, 2016

Company : Energy Fuels Resources (USA), Inc.
Address : 225 Union Boulevard
Suite 600
Lakewood, Colorado 80228
Contact: Ms. Kathy Weinel
Project: White Mesa Mill GW

Client Sample ID: MW-19_04192016
Sample ID: 396023005
Matrix: Ground Water
Collect Date: 19-APR-16 15:50
Receive Date: 26-APR-16
Collector: Client

Project: DNMI00100
Client ID: DNMI001

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	+/-0.230	0.789	1.00	pCi/L		AXM6	05/16/16	1909	1567688	I

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			81	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605438-003
Client Sample ID: MW-20_05182016
Collection Date: 5/18/2016 1006h
Received Date: 5/20/2016 940h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

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 Jose Rocha
 QA Officer

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	5/23/2016 1147h	5/25/2016 1919h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	5/23/2016 1147h	5/25/2016 1948h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	5/23/2016 1147h	5/25/2016 1919h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	5/23/2016 1147h	5/27/2016 1153h	E200.7	100	340	2
Chromium	mg/L	5/23/2016 1147h	5/25/2016 1919h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	5/23/2016 1147h	5/25/2016 1919h	E200.8	0.0100	< 0.0100	
Copper	mg/L	5/23/2016 1147h	5/25/2016 1919h	E200.8	0.0100	< 0.0100	
Iron	mg/L	5/23/2016 1147h	5/25/2016 1948h	E200.8	0.0300	< 0.0300	
Lead	mg/L	5/23/2016 1147h	5/25/2016 1948h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	5/23/2016 1147h	5/27/2016 1303h	E200.7	10.0	12.5	
Manganese	mg/L	5/23/2016 1147h	5/25/2016 1919h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	5/27/2016 1322h	5/31/2016 913h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	5/23/2016 1147h	5/25/2016 1919h	E200.8	0.0100	0.0198	
Nickel	mg/L	5/23/2016 1147h	5/25/2016 1919h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	5/23/2016 1147h	5/27/2016 1303h	E200.7	10.0	18.8	
Selenium	mg/L	5/23/2016 1147h	5/25/2016 1919h	E200.8	0.00500	< 0.00500	
Silver	mg/L	5/23/2016 1147h	5/25/2016 1919h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	5/23/2016 1147h	5/27/2016 1153h	E200.7	100	1,190	2
Thallium	mg/L	5/23/2016 1147h	5/25/2016 1948h	E200.8	0.000500	< 0.000500	
Tin	mg/L	5/23/2016 1147h	5/25/2016 1919h	E200.8	0.100	< 0.100	
Uranium	mg/L	5/23/2016 1147h	5/24/2016 1438h	E200.8	0.000300	0.000915	
Vanadium	mg/L	5/23/2016 1147h	5/27/2016 1216h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	5/23/2016 1147h	5/25/2016 1919h	E200.8	0.0100	< 0.0100	

² - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605438-003
Client Sample ID: MW-20_05182016
Collection Date: 5/18/2016 1006h
Received Date: 5/20/2016 940h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/23/2016 1540h	5/23/2016 1757h	E350.1	0.0500	0.0750	'
Bicarbonate (as CaCO ₃)	mg/L		5/23/2016 710h	SM2320B	1.00	61.9	
Carbonate (as CaCO ₃)	mg/L		5/23/2016 710h	SM2320B	1.00	6.90	
Chloride	mg/L		5/31/2016 1510h	E300.0	10.0	63.9	
Fluoride	mg/L		5/31/2016 1708h	E300.0	0.100	0.171	
Ion Balance	%		5/27/2016 1339h	Calc.	-100	-1.98	
Nitrate/Nitrite (as N)	mg/L		5/31/2016 1617h	E353.2	0.100	10.6	
Sulfate	mg/L		5/31/2016 1346h	E300.0	1,000	3,350	
Total Anions, Measured	meq/L		5/27/2016 1339h	Calc.		73.2	
Total Cations, Measured	meq/L		5/27/2016 1339h	Calc.		70.3	
Total Dissolved Solids	mg/L		5/20/2016 2330h	SM2540C	20.0	4,320	
Total Dissolved Solids Ratio, Measured/Calculated			5/27/2016 1339h	Calc.		0.858	
Total Dissolved Solids, Calculated	mg/L		5/27/2016 1339h	Calc.		5,030	

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



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605438-003A
Client Sample ID: MW-20_05182016
Collection Date: 5/18/2016 1006h
Received Date: 5/20/2016 940h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 5/20/2016 1407h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.8	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.8	50.00	106	80-152	
Surr: Dibromofluoromethane	1868-53-7	48.0	50.00	96.0	80-124	
Surr: Toluene-d8	2037-26-5	48.6	50.00	97.1	77-129	

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Certificate of Analysis

Report Date: June 16, 2016

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-20_05182016
Sample ID: 398060003
Matrix: Ground Water
Collect Date: 18-MAY-16 10:06
Receive Date: 24-MAY-16
Collector: Client

Project: DNMI00100
Client ID: DNMI001

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	+/-0.272	0.967	1.00	pCi/L		AXM6	06/15/16	1359	1571113	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"			95.4	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-006
Client Sample ID: MW-22_04262016
Collection Date: 4/26/2016 1200h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/29/2016 1220h	5/4/2016 1226h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/29/2016 1220h	5/4/2016 1320h	E200.8	0.000500	0.0135	
Cadmium	mg/L	4/29/2016 1220h	5/4/2016 1226h	E200.8	0.000500	0.174	
Calcium	mg/L	4/29/2016 1220h	5/5/2016 1112h	E200.7	100	421	
Chromium	mg/L	4/29/2016 1220h	5/4/2016 1226h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/29/2016 1220h	5/4/2016 1226h	E200.8	0.0100	0.522	
Copper	mg/L	4/29/2016 1220h	5/4/2016 1226h	E200.8	0.0100	0.0942	
Iron	mg/L	4/29/2016 1220h	5/4/2016 1320h	E200.8	0.0300	0.0719	
Lead	mg/L	4/29/2016 1220h	5/4/2016 1320h	E200.8	0.00100	0.00378	
Magnesium	mg/L	4/29/2016 1220h	5/5/2016 1112h	E200.7	100	1,110	
Manganese	mg/L	4/29/2016 1220h	5/4/2016 1242h	E200.8	0.100	49.6	
Mercury	mg/L	5/4/2016 1630h	5/9/2016 913h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/29/2016 1220h	5/4/2016 1226h	E200.8	0.0100	0.332	
Nickel	mg/L	4/29/2016 1220h	5/4/2016 1226h	E200.8	0.0200	0.307	
Potassium	mg/L	4/29/2016 1220h	5/5/2016 1147h	E200.7	10.0	22.0	
Selenium	mg/L	4/29/2016 1220h	5/4/2016 1226h	E200.8	0.00500	0.0141	
Silver	mg/L	4/29/2016 1220h	5/4/2016 1226h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/29/2016 1220h	5/5/2016 1112h	E200.7	100	269	
Thallium	mg/L	4/29/2016 1220h	5/4/2016 1320h	E200.8	0.000500	0.00151	
Tin	mg/L	4/29/2016 1220h	5/4/2016 1226h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/29/2016 1220h	5/4/2016 1401h	E200.8	0.000300	0.0202	
Vanadium	mg/L	4/29/2016 1220h	5/10/2016 1052h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/29/2016 1220h	5/4/2016 1226h	E200.8	0.0100	1.40	

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 Laboratory Director

Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-006
Client Sample ID: MW-22_04262016
Collection Date: 4/26/2016 1200h
Received Date: 4/29/2016 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/2/2016 1110h	5/2/2016 1645h	E350.1	0.0500	0.883	
Bicarbonate (as CaCO ₃)	mg/L		4/29/2016 1107h	SM2320B	1.00	27.5	
Carbonate (as CaCO ₃)	mg/L		4/29/2016 1107h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/3/2016 2143h	E300.0	10.0	56.8	
Fluoride	mg/L		5/3/2016 2143h	E300.0	1.00	13.2	
Ion Balance	%		5/5/2016	Calc.	-100	-5.64	
Nitrate/Nitrite (as N)	mg/L		5/10/2016 1122h	E353.2	0.100	2.94	
Sulfate	mg/L		5/3/2016 1623h	E300.0	1,000	6,620	
Total Anions, Measured	meq/L		5/5/2016	Calc.		140	
Total Cations, Measured	meq/L		5/5/2016	Calc.		125	
Total Dissolved Solids	mg/L		5/2/2016 1520h	SM2540C	100	7,780	@
Total Dissolved Solids Ratio, Measured/Calculated			5/5/2016	Calc.		0.913	
Total Dissolved Solids, Calculated	mg/L		5/5/2016	Calc.		8,520	

@ - High RPD due to suspected sample non-homogeneity or matrix interference.

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Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-006A
Client Sample ID: MW-22_04262016
Collection Date: 4/26/2016 1200h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/29/2016 1558h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.7	50.00	117	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.8	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.5	50.00	98.9	80-124	
Surr: Toluene-d8	2037-26-5	46.0	50.00	92.0	77-129	

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Certificate of Analysis

Report Date: May 26, 2016

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-22_04262016
 Sample ID: 396449006
 Matrix: Ground Water
 Collect Date: 26-APR-16 12:00
 Receive Date: 02-MAY-16
 Collector: Client

Project: DNM100100
 Client ID: DNM1001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		5.09	+/-0.565	0.984	1.00	pCi/L		AXM6	05/25/16	1725	1568220	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			100	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605438-002A
Client Sample ID: MW-23_05182016
Collection Date: 5/18/2016 1210h
Received Date: 5/20/2016 940h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 5/20/2016 1348h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.2	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.2	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	47.6	50.00	95.2	80-124	
Surr: Toluene-d8	2037-26-5	48.3	50.00	96.6	77-129	



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605438-002
Client Sample ID: MW-23_05182016
Collection Date: 5/18/2016 1210h
Received Date: 5/20/2016 940h

Analytical Results

DISSOLVED METALS

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Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	5/23/2016 1147h	5/25/2016 1916h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	5/23/2016 1147h	5/25/2016 1945h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	5/23/2016 1147h	5/25/2016 1916h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	5/23/2016 1147h	5/27/2016 1148h	E200.7	100	406	
Chromium	mg/L	5/23/2016 1147h	5/25/2016 1916h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	5/23/2016 1147h	5/25/2016 1916h	E200.8	0.0100	< 0.0100	
Copper	mg/L	5/23/2016 1147h	5/25/2016 1916h	E200.8	0.0100	< 0.0100	
Iron	mg/L	5/23/2016 1147h	5/25/2016 1945h	E200.8	0.0300	< 0.0300	
Lead	mg/L	5/23/2016 1147h	5/25/2016 1945h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	5/23/2016 1147h	5/27/2016 1148h	E200.7	100	135	
Manganese	mg/L	5/23/2016 1147h	5/25/2016 1916h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	5/27/2016 1322h	5/31/2016 903h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	5/23/2016 1147h	5/25/2016 1916h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	5/23/2016 1147h	5/25/2016 1916h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	5/23/2016 1147h	5/27/2016 1214h	E200.7	1.00	9.64	
Selenium	mg/L	5/23/2016 1147h	5/25/2016 1916h	E200.8	0.00500	< 0.00500	
Silver	mg/L	5/23/2016 1147h	5/25/2016 1916h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	5/23/2016 1147h	5/27/2016 1148h	E200.7	100	360	
Thallium	mg/L	5/23/2016 1147h	5/25/2016 1945h	E200.8	0.000500	< 0.000500	
Tin	mg/L	5/23/2016 1147h	5/25/2016 1916h	E200.8	0.100	< 0.100	
Uranium	mg/L	5/23/2016 1147h	5/24/2016 1435h	E200.8	0.000300	0.00795	
Vanadium	mg/L	5/23/2016 1147h	5/27/2016 1214h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	5/23/2016 1147h	5/25/2016 1916h	E200.8	0.0100	< 0.0100	

Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605438-002
Client Sample ID: MW-23_05182016
Collection Date: 5/18/2016 1210h
Received Date: 5/20/2016 940h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/23/2016 1540h	5/23/2016 1808h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO ₃)	mg/L		5/23/2016 710h	SM2320B	1.00	251	
Carbonate (as CaCO ₃)	mg/L		5/23/2016 710h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/31/2016 1651h	E300.0	1.00	8.18	
Fluoride	mg/L		5/31/2016 1651h	E300.0	0.100	0.180	
Ion Balance	%		5/27/2016 1339h	Calc.	-100	-8.87	
Nitrate/Nitrite (as N)	mg/L		5/31/2016 1616h	E353.2	0.100	0.177	
Sulfate	mg/L		5/31/2016 1329h	E300.0	1,000	2,460	
Total Anions, Measured	meq/L		5/27/2016 1339h	Calc.		56.4	
Total Cations, Measured	meq/L		5/27/2016 1339h	Calc.		47.2	
Total Dissolved Solids	mg/L		5/20/2016 2330h	SM2540C	20.0	3,210	
Total Dissolved Solids Ratio, Measured/Calculated			5/27/2016 1339h	Calc.		0.910	
Total Dissolved Solids, Calculated	mg/L		5/27/2016 1339h	Calc.		3,530	

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Certificate of Analysis

Report Date: June 16, 2016

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-23_05182016	Project: DNMI00100
Sample ID: 398060002	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 18-MAY-16 12:10	
Receive Date: 24-MAY-16	
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	+/-0.335	0.926	1.00	pCi/L		AXM6	06/15/16	1359 1571113	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"			94.3	(25%-125%)						

Notes:
 Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-007
Client Sample ID: MW-24_04282016
Collection Date: 4/28/2016 755h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/29/2016 1220h	5/4/2016 1229h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/29/2016 1220h	5/4/2016 1323h	E200.8	0.000500	0.00121	
Cadmium	mg/L	4/29/2016 1220h	5/4/2016 1229h	E200.8	0.000500	0.00607	
Calcium	mg/L	4/29/2016 1220h	5/5/2016 1114h	E200.7	100	484	
Chromium	mg/L	4/29/2016 1220h	5/4/2016 1229h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/29/2016 1220h	5/4/2016 1229h	E200.8	0.0100	0.0910	
Copper	mg/L	4/29/2016 1220h	5/4/2016 1229h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/29/2016 1220h	5/4/2016 1323h	E200.8	0.0300	0.112	
Lead	mg/L	4/29/2016 1220h	5/4/2016 1323h	E200.8	0.00100	0.00109	
Magnesium	mg/L	4/29/2016 1220h	5/5/2016 1114h	E200.7	100	175	
Manganese	mg/L	4/29/2016 1220h	5/4/2016 1245h	E200.8	0.0100	5.80	
Mercury	mg/L	5/4/2016 1630h	5/9/2016 915h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/29/2016 1220h	5/4/2016 1229h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/29/2016 1220h	5/4/2016 1229h	E200.8	0.0200	0.0481	
Potassium	mg/L	4/29/2016 1220h	5/5/2016 1149h	E200.7	10.0	11.8	
Selenium	mg/L	4/29/2016 1220h	5/4/2016 1229h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/29/2016 1220h	5/4/2016 1229h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/29/2016 1220h	5/5/2016 1114h	E200.7	100	485	
Thallium	mg/L	4/29/2016 1220h	5/4/2016 1323h	E200.8	0.000500	0.00210	
Tin	mg/L	4/29/2016 1220h	5/4/2016 1229h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/29/2016 1220h	5/4/2016 1404h	E200.8	0.000300	0.00383	
Vanadium	mg/L	4/29/2016 1220h	5/10/2016 1055h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/29/2016 1220h	5/4/2016 1229h	E200.8	0.0100	0.114	

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-007
Client Sample ID: MW-24_04282016
Collection Date: 4/28/2016 755h
Received Date: 4/29/2016 1015h

Analytical Results

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Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/9/2016 1040h	5/9/2016 1623h	E350.1	0.0500	0.0975	
Bicarbonate (as CaCO3)	mg/L		4/29/2016 1107h	SM2320B	1.00	20.6	
Carbonate (as CaCO3)	mg/L		4/29/2016 1107h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/3/2016 2200h	E300.0	10.0	47.4	
Fluoride	mg/L		5/4/2016 048h	E300.0	0.100	0.446	
Ion Balance	%		5/5/2016	Calc.	-100	0.527	
Nitrate/Nitrite (as N)	mg/L		5/10/2016 1130h	E353.2	0.100	0.245	
Sulfate	mg/L		5/3/2016 1911h	E300.0	1,000	2,760	
Total Anions, Measured	meq/L		5/5/2016	Calc.		59.3	
Total Cations, Measured	meq/L		5/5/2016	Calc.		59.9	
Total Dissolved Solids	mg/L		4/29/2016 1143h	SM2540C	20.0	4,220	
Total Dissolved Solids Ratio, Measured/Calculated			5/5/2016	Calc.		1.06	
Total Dissolved Solids, Calculated	mg/L		5/5/2016	Calc.		3,980	



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-007A
Client Sample ID: MW-24_04282016
Collection Date: 4/28/2016 755h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/29/2016 1618h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	59.4	50.00	119	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.3	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.8	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	46.5	50.00	93.1	77-129	

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Certificate of Analysis

Report Date: May 26, 2016

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-24_04282016 Project: DNMI00100
Sample ID: 396449007 Client ID: DNMI001
Matrix: Ground Water
Collect Date: 28-APR-16 07:55
Receive Date: 02-MAY-16
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	+/-0.340	0.969	1.00	pCi/L		AXM6	05/25/16	1728	1568220	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"			96.9	(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: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-003
Client Sample ID: MW-25_05032016
Collection Date: 5/3/2016 1055h
Received Date: 5/6/2016 1015h

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	5/11/2016 1328h	5/12/2016 1432h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	5/11/2016 1328h	5/12/2016 1808h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	5/11/2016 1328h	5/12/2016 1432h	E200.8	0.000500	0.00143	
Calcium	mg/L	5/11/2016 1328h	5/17/2016 1346h	E200.7	100	350	
Chromium	mg/L	5/11/2016 1328h	5/12/2016 1432h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	5/11/2016 1328h	5/12/2016 1432h	E200.8	0.0100	< 0.0100	
Copper	mg/L	5/11/2016 1328h	5/12/2016 1432h	E200.8	0.0100	< 0.0100	
Iron	mg/L	5/11/2016 1328h	5/12/2016 1808h	E200.8	0.0300	< 0.0300	
Lead	mg/L	5/11/2016 1328h	5/12/2016 1808h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	5/11/2016 1328h	5/17/2016 1346h	E200.7	100	122	
Manganese	mg/L	5/11/2016 1328h	5/12/2016 1432h	E200.8	0.0100	1.48	
Mercury	mg/L	5/11/2016 1820h	5/12/2016 936h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	5/11/2016 1328h	5/12/2016 1432h	E200.8	0.0100	0.0136	
Nickel	mg/L	5/11/2016 1328h	5/12/2016 1432h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	5/11/2016 1328h	5/17/2016 1608h	E200.7	1.00	10.0	
Selenium	mg/L	5/11/2016 1328h	5/12/2016 1432h	E200.8	0.00500	< 0.00500	
Silver	mg/L	5/11/2016 1328h	5/12/2016 1432h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	5/11/2016 1328h	5/17/2016 1346h	E200.7	100	307	
Thallium	mg/L	5/11/2016 1328h	5/12/2016 1808h	E200.8	0.000500	0.000832	
Tin	mg/L	5/11/2016 1328h	5/12/2016 1432h	E200.8	0.100	< 0.100	
Uranium	mg/L	5/11/2016 1328h	5/12/2016 1846h	E200.8	0.000300	0.00630	
Vanadium	mg/L	5/11/2016 1328h	5/17/2016 1608h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	5/11/2016 1328h	5/12/2016 1432h	E200.8	0.0100	< 0.0100	

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web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-003
Client Sample ID: MW-25_05032016
Collection Date: 5/3/2016 1055h
Received Date: 5/6/2016 1015h

Analytical Results

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Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/9/2016 1500h	5/9/2016 1730h	E350.1	0.0500	0.540	
Bicarbonate (as CaCO3)	mg/L		5/10/2016 849h	SM2320B	1.00	327	
Carbonate (as CaCO3)	mg/L		5/10/2016 849h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/13/2016 013h	E300.0	10.0	30.8	
Fluoride	mg/L		5/13/2016 841h	E300.0	0.100	0.303	
Ion Balance	%		5/17/2016	Calc.	-100	-2.88	
Nitrate/Nitrite (as N)	mg/L		5/18/2016 1310h	E353.2	0.100	< 0.100	
Sulfate	mg/L		5/12/2016 1943h	E300.0	1,000	1,730	
Total Anions, Measured	meq/L		5/17/2016	Calc.		43.5	
Total Cations, Measured	meq/L		5/17/2016	Calc.		41.1	
Total Dissolved Solids	mg/L		5/6/2016 1346h	SM2540C	20.0	2,580	
Total Dissolved Solids Ratio, Measured/Calculated			5/17/2016	Calc.		0.940	
Total Dissolved Solids, Calculated	mg/L		5/17/2016	Calc.		2,750	

Kyle F. Gross
 Laboratory Director

 Jose Rocha
 QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-003A
Client Sample ID: MW-25_05032016
Collection Date: 5/3/2016 1055h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 5/6/2016 1741h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.9	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.1	50.00	100	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.2	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	50.8	50.00	102	77-129	

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Certificate of Analysis

Report Date: June 1, 2016

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_05032016	Project: DNMI00100
Sample ID: 396973003	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 03-MAY-16 10:55	
Receive Date: 09-MAY-16	
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	+/-0.243	0.973	1.00	pCi/L		AXM6	05/25/16	1728	1568220	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments										
	EPA 900.1 Modified											
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits							
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.4	(25%-125%)							

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-004
Client Sample ID: MW-26_05042016
Collection Date: 5/4/2016 1230h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	5/11/2016 1328h	5/12/2016 1435h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	5/11/2016 1328h	5/12/2016 1811h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	5/11/2016 1328h	5/12/2016 1435h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	5/11/2016 1328h	5/17/2016 1348h	E200.7	100	504	
Chromium	mg/L	5/11/2016 1328h	5/12/2016 1435h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	5/11/2016 1328h	5/12/2016 1435h	E200.8	0.0100	< 0.0100	
Copper	mg/L	5/11/2016 1328h	5/12/2016 1435h	E200.8	0.0100	< 0.0100	
Iron	mg/L	5/11/2016 1328h	5/12/2016 1435h	E200.8	0.100	0.558	
Lead	mg/L	5/11/2016 1328h	5/12/2016 1811h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	5/11/2016 1328h	5/17/2016 1348h	E200.7	100	170	
Manganese	mg/L	5/11/2016 1328h	5/12/2016 1435h	E200.8	0.0100	0.768	
Mercury	mg/L	5/11/2016 1820h	5/12/2016 1102h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	5/11/2016 1328h	5/12/2016 1435h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	5/11/2016 1328h	5/12/2016 1435h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	5/11/2016 1328h	5/17/2016 1445h	E200.7	10.0	11.0	
Selenium	mg/L	5/11/2016 1328h	5/12/2016 1435h	E200.8	0.00500	< 0.00500	
Silver	mg/L	5/11/2016 1328h	5/12/2016 1435h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	5/11/2016 1328h	5/17/2016 1348h	E200.7	100	200	
Thallium	mg/L	5/11/2016 1328h	5/12/2016 1811h	E200.8	0.000500	< 0.000500	
Tin	mg/L	5/11/2016 1328h	5/12/2016 1435h	E200.8	0.100	< 0.100	
Uranium	mg/L	5/11/2016 1328h	5/12/2016 1849h	E200.8	0.000300	0.0397	
Vanadium	mg/L	5/11/2016 1328h	5/17/2016 1611h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	5/11/2016 1328h	5/12/2016 1435h	E200.8	0.0100	< 0.0100	

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Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-004
Client Sample ID: MW-26_05042016
Collection Date: 5/4/2016 1230h
Received Date: 5/6/2016 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/9/2016 1500h	5/9/2016 1731h	E350.1	0.0500	0.264	
Bicarbonate (as CaCO ₃)	mg/L		5/10/2016 849h	SM2320B	1.00	334	
Carbonate (as CaCO ₃)	mg/L		5/10/2016 849h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/13/2016 103h	E300.0	10.0	68.1	
Fluoride	mg/L		5/13/2016 858h	E300.0	0.100	0.255	
Ion Balance	%		5/17/2016	Calc.	-100	1.32	
Nitrate/Nitrite (as N)	mg/L		5/18/2016 1312h	E353.2	0.100	1.85	
Sulfate	mg/L		5/12/2016 2000h	E300.0	1,000	1,840	
Total Anions, Measured	meq/L		5/17/2016	Calc.		46.9	
Total Cations, Measured	meq/L		5/17/2016	Calc.		48.2	
Total Dissolved Solids	mg/L		5/6/2016 1346h	SM2540C	20.0	2,780	
Total Dissolved Solids Ratio, Measured/Calculated			5/17/2016	Calc.		0.928	
Total Dissolved Solids, Calculated	mg/L		5/17/2016	Calc.		3,000	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-004A
Client Sample ID: MW-26_05042016
Collection Date: 5/4/2016 1230h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 5/9/2016 1222h

Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual		
Chloroform	67-66-3	50.0	1,720	~		
Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,280	2,500	91.4	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,420	2,500	96.8	80-152	
Surr: Dibromofluoromethane	1868-53-7	2,590	2,500	104	80-124	
Surr: Toluene-d8	2037-26-5	2,560	2,500	102	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 5/6/2016 1801h

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	< 1.00			
Methylene chloride	75-09-2	1.00	3.63			
Naphthalene	91-20-3	1.00	< 1.00			
Tetrahydrofuran	109-99-9	1.00	< 1.00			
Toluene	108-88-3	1.00	< 1.00			
Xylenes, Total	1330-20-7	1.00	< 1.00			
Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.1	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.2	50.00	100	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.3	50.00	103	80-124	
Surr: Toluene-d8	2037-26-5	50.5	50.00	101	77-129	

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Certificate of Analysis

Report Date: June 1, 2016

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_05042016	Project: DNMI00100
Sample ID: 396973004	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 04-MAY-16 12:30	
Receive Date: 09-MAY-16	
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		2.24	+/-0.413	0.973	1.00	pCi/L		AXM6	05/25/16	1728	1568220	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			101	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-006
Client Sample ID: MW-27_04202016
Collection Date: 4/20/2016 1050h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/22/2016 1342h	4/25/2016 1418h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/22/2016 1342h	4/25/2016 1506h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/22/2016 1342h	4/25/2016 1418h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/22/2016 1342h	5/4/2016 1236h	E200.7	100	160	
Chromium	mg/L	4/22/2016 1342h	4/25/2016 1418h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/22/2016 1342h	4/25/2016 1418h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/22/2016 1342h	4/26/2016 1338h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/22/2016 1342h	4/25/2016 1506h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/22/2016 1342h	4/25/2016 1506h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/22/2016 1342h	5/4/2016 1330h	E200.7	10.0	65.3	
Manganese	mg/L	4/22/2016 1342h	4/25/2016 1418h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	4/29/2016 1515h	5/2/2016 1133h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/22/2016 1342h	4/25/2016 1418h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/22/2016 1342h	4/25/2016 1418h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/22/2016 1342h	5/4/2016 1414h	E200.7	1.00	4.06	
Selenium	mg/L	4/22/2016 1342h	4/25/2016 1418h	E200.8	0.00500	0.0124	
Silver	mg/L	4/22/2016 1342h	4/25/2016 1418h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/22/2016 1342h	5/4/2016 1330h	E200.7	10.0	69.3	
Thallium	mg/L	4/22/2016 1342h	4/25/2016 1506h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/22/2016 1342h	4/25/2016 1418h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/22/2016 1342h	4/25/2016 1604h	E200.8	0.000300	0.0237	
Vanadium	mg/L	4/22/2016 1342h	5/4/2016 1414h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/22/2016 1342h	4/25/2016 1418h	E200.8	0.0100	< 0.0100	

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 Laboratory Director

 Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-006
Client Sample ID: MW-27_04202016
Collection Date: 4/20/2016 1050h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/26/2016 1030h	4/26/2016 1503h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO ₃)	mg/L		4/25/2016 915h	SM2320B	1.00	341	
Carbonate (as CaCO ₃)	mg/L		4/25/2016 915h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/29/2016 2317h	E300.0	10.0	43.1	
Fluoride	mg/L		4/30/2016 205h	E300.0	0.100	0.664	
Ion Balance	%		5/4/2016	Calc.	-100	-0.699	
Nitrate/Nitrite (as N)	mg/L		5/6/2016 1505h	E353.2	0.100	7.40	
Sulfate	mg/L		4/29/2016 2045h	E300.0	100	418	
Total Anions, Measured	meq/L		5/4/2016	Calc.		16.7	
Total Cations, Measured	meq/L		5/4/2016	Calc.		16.5	
Total Dissolved Solids	mg/L		4/22/2016 1206h	SM2540C	20.0	1,020	
Total Dissolved Solids Ratio, Measured/Calculated			5/4/2016	Calc.		1.05	
Total Dissolved Solids, Calculated	mg/L		5/4/2016	Calc.		965	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-006A
Client Sample ID: MW-27_04202016
Collection Date: 4/20/2016 1050h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/25/2016 1421h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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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	58.4	50.00	117	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.3	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.2	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	48.0	50.00	96.0	77-129	

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Certificate of Analysis

Report Date: May 19, 2016

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_04202016	Project: DNMI00100
Sample ID: 396023006	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 20-APR-16 10:50	
Receive Date: 26-APR-16	
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	+/-0.176	0.535	1.00	pCi/L		AXM6	05/16/16	1909	1567688	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"			97.2	(25%-125%)							

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-007
Client Sample ID: MW-28_04202016
Collection Date: 4/20/2016 1440h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/22/2016 1342h	4/25/2016 1421h	E200.8	0.00500	0.00997	
Beryllium	mg/L	4/22/2016 1342h	4/25/2016 1509h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/22/2016 1342h	4/25/2016 1421h	E200.8	0.000500	0.00490	
Calcium	mg/L	4/22/2016 1342h	5/4/2016 1238h	E200.7	100	506	
Chromium	mg/L	4/22/2016 1342h	4/25/2016 1421h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/22/2016 1342h	4/25/2016 1421h	E200.8	0.0100	0.0319	
Copper	mg/L	4/22/2016 1342h	4/26/2016 1341h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/22/2016 1342h	4/25/2016 1509h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/22/2016 1342h	4/25/2016 1509h	E200.8	0.00100	0.00102	
Magnesium	mg/L	4/22/2016 1342h	5/4/2016 1238h	E200.7	100	175	
Manganese	mg/L	4/22/2016 1342h	4/25/2016 1421h	E200.8	0.0100	1.65	
Mercury	mg/L	4/29/2016 1515h	5/2/2016 1134h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/22/2016 1342h	4/25/2016 1421h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/22/2016 1342h	4/25/2016 1421h	E200.8	0.0200	0.0233	
Potassium	mg/L	4/22/2016 1342h	5/4/2016 1340h	E200.7	10.0	11.2	
Selenium	mg/L	4/22/2016 1342h	4/25/2016 1421h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/22/2016 1342h	4/25/2016 1421h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/22/2016 1342h	5/4/2016 1238h	E200.7	100	296	
Thallium	mg/L	4/22/2016 1342h	4/25/2016 1509h	E200.8	0.000500	0.000824	
Tin	mg/L	4/22/2016 1342h	4/25/2016 1421h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/22/2016 1342h	4/25/2016 1608h	E200.8	0.000300	0.00395	
Vanadium	mg/L	4/22/2016 1342h	5/4/2016 1416h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/22/2016 1342h	4/25/2016 1421h	E200.8	0.0100	0.0555	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-007
Client Sample ID: MW-28_04202016
Collection Date: 4/20/2016 1440h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/26/2016 1030h	4/26/2016 1504h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/25/2016 915h	SM2320B	1.00	124	
Carbonate (as CaCO3)	mg/L		4/25/2016 915h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/29/2016 2102h	E300.0	100	121	
Fluoride	mg/L		4/30/2016 222h	E300.0	0.100	0.563	
Ion Balance	%		5/4/2016	Calc.	-100	-1.74	
Nitrate/Nitrite (as N)	mg/L		5/6/2016 1506h	E353.2	0.100	0.779	
Sulfate	mg/L		4/29/2016 1723h	E300.0	1,000	2,350	
Total Anions, Measured	meq/L		5/4/2016	Calc.		54.7	
Total Cations, Measured	meq/L		5/4/2016	Calc.		52.8	
Total Dissolved Solids	mg/L		4/22/2016 1206h	SM2540C	20.0	3,540	
Total Dissolved Solids Ratio, Measured/Calculated			5/4/2016	Calc.		1.00	
Total Dissolved Solids, Calculated	mg/L		5/4/2016	Calc.		3,530	

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Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-007A
Client Sample ID: MW-28_04202016
Collection Date: 4/20/2016 1440h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/25/2016 1440h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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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	58.7	50.00	117	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.1	50.00	100	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.2	50.00	103	80-124	
Surr: Toluene-d8	2037-26-5	46.8	50.00	93.5	77-129	

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Certificate of Analysis

Report Date: May 19, 2016

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-28_04202016 Project: DNMI00100
Sample ID: 396023007 Client ID: DNMI001
Matrix: Ground Water
Collect Date: 20-APR-16 14:40
Receive Date: 26-APR-16
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	+/-0.202	0.662	1.00	pCi/L		AXM6	05/16/16	1909	1567688	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"			97.2	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-008
Client Sample ID: MW-29_04272016
Collection Date: 4/27/2016 1035h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/29/2016 1220h	5/4/2016 1232h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/29/2016 1220h	5/4/2016 1326h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/29/2016 1220h	5/4/2016 1232h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/29/2016 1220h	5/5/2016 1116h	E200.7	100	498	
Chromium	mg/L	4/29/2016 1220h	5/4/2016 1232h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/29/2016 1220h	5/4/2016 1232h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/29/2016 1220h	5/4/2016 1232h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/29/2016 1220h	5/4/2016 1232h	E200.8	0.100	1.35	
Lead	mg/L	4/29/2016 1220h	5/4/2016 1326h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/29/2016 1220h	5/5/2016 1116h	E200.7	100	216	
Manganese	mg/L	4/29/2016 1220h	5/4/2016 1248h	E200.8	0.0100	5.28	
Mercury	mg/L	5/4/2016 1630h	5/9/2016 916h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/29/2016 1220h	5/4/2016 1232h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/29/2016 1220h	5/4/2016 1232h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/29/2016 1220h	5/5/2016 1151h	E200.7	10.0	16.5	
Selenium	mg/L	4/29/2016 1220h	5/4/2016 1232h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/29/2016 1220h	5/4/2016 1232h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/29/2016 1220h	5/5/2016 1116h	E200.7	100	486	
Thallium	mg/L	4/29/2016 1220h	5/4/2016 1326h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/29/2016 1220h	5/4/2016 1232h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/29/2016 1220h	5/4/2016 1407h	E200.8	0.000300	0.0130	
Vanadium	mg/L	4/29/2016 1220h	5/10/2016 1057h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/29/2016 1220h	5/4/2016 1232h	E200.8	0.0100	0.0105	

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All analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAP 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.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-008
Client Sample ID: MW-29_04272016
Collection Date: 4/27/2016 1035h
Received Date: 4/29/2016 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/9/2016 1040h	5/9/2016 1625h	E350.1	0.0500	0.717	
Bicarbonate (as CaCO ₃)	mg/L		4/29/2016 1107h	SM2320B	1.00	301	
Carbonate (as CaCO ₃)	mg/L		4/29/2016 1107h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/3/2016 2217h	E300.0	10.0	38.5	
Fluoride	mg/L		5/4/2016 105h	E300.0	0.100	0.681	
Ion Balance	%		5/5/2016	Calc.	-100	0.177	
Nitrate/Nitrite (as N)	mg/L		5/10/2016 1132h	E353.2	0.100	< 0.100	
Sulfate	mg/L		5/3/2016 1928h	E300.0	1,000	2,730	
Total Anions, Measured	meq/L		5/5/2016	Calc.		64.0	
Total Cations, Measured	meq/L		5/5/2016	Calc.		64.2	
Total Dissolved Solids	mg/L		4/29/2016 1143h	SM2540C	20.0	4,100	
Total Dissolved Solids Ratio, Measured/Calculated			5/5/2016	Calc.		0.983	
Total Dissolved Solids, Calculated	mg/L		5/5/2016	Calc.		4,170	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-008A
Client Sample ID: MW-29_04272016
Collection Date: 4/27/2016 1035h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/29/2016 1637h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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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	62.2	50.00	124	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.2	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	52.1	50.00	104	80-124	
Surr: Toluene-d8	2037-26-5	47.8	50.00	95.6	77-129	

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Certificate of Analysis

Report Date: May 26, 2016

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-29_04272016 Project: DNMI00100
Sample ID: 396449008 Client ID: DNMI001
Matrix: Ground Water
Collect Date: 27-APR-16 10:35
Receive Date: 02-MAY-16
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	+/-0.259	0.975	1.00	pCi/L		AXM6	05/25/16	1725	1568220	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			102	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-005
Client Sample ID: MW-30_05042016
Collection Date: 5/4/2016 1050h
Received Date: 5/6/2016 1015h

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	5/11/2016 1328h	5/12/2016 1540h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	5/11/2016 1328h	5/12/2016 1814h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	5/11/2016 1328h	5/12/2016 1540h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	5/11/2016 1328h	5/17/2016 1357h	E200.7	100	276	
Chromium	mg/L	5/11/2016 1328h	5/12/2016 1540h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	5/11/2016 1328h	5/12/2016 1540h	E200.8	0.0100	< 0.0100	
Copper	mg/L	5/11/2016 1328h	5/12/2016 1540h	E200.8	0.0100	< 0.0100	
Iron	mg/L	5/11/2016 1328h	5/12/2016 1814h	E200.8	0.0300	< 0.0300	
Lead	mg/L	5/11/2016 1328h	5/12/2016 1814h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	5/11/2016 1328h	5/17/2016 1447h	E200.7	10.0	74.2	
Manganese	mg/L	5/11/2016 1328h	5/12/2016 1540h	E200.8	0.0100	0.0135	
Mercury	mg/L	5/11/2016 1820h	5/12/2016 1104h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	5/11/2016 1328h	5/12/2016 1540h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	5/11/2016 1328h	5/12/2016 1540h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	5/11/2016 1328h	5/17/2016 1613h	E200.7	1.00	6.85	
Selenium	mg/L	5/11/2016 1328h	5/12/2016 1540h	E200.8	0.00500	0.0425	
Silver	mg/L	5/11/2016 1328h	5/12/2016 1540h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	5/11/2016 1328h	5/17/2016 1357h	E200.7	100	103	
Thallium	mg/L	5/11/2016 1328h	5/12/2016 1814h	E200.8	0.000500	< 0.000500	
Tin	mg/L	5/11/2016 1328h	5/12/2016 1540h	E200.8	0.100	< 0.100	
Uranium	mg/L	5/11/2016 1328h	5/12/2016 1852h	E200.8	0.000300	0.00818	
Vanadium	mg/L	5/11/2016 1328h	5/17/2016 1613h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	5/11/2016 1328h	5/12/2016 1540h	E200.8	0.0100	< 0.0100	

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Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-005
Client Sample ID: MW-30_05042016
Collection Date: 5/4/2016 1050h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/9/2016 1500h	5/9/2016 1732h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO ₃)	mg/L		5/10/2016 849h	SM2320B	1.00	150	
Carbonate (as CaCO ₃)	mg/L		5/10/2016 849h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/12/2016 2249h	E300.0	100	139	
Fluoride	mg/L		5/13/2016 915h	E300.0	0.100	0.346	
Ion Balance	%		5/17/2016	Calc.	-100	3.51	
Nitrate/Nitrite (as N)	mg/L		5/18/2016 1313h	E353.2	0.100	17.3	
Sulfate	mg/L		5/12/2016 2249h	E300.0	100	753	
Total Anions, Measured	meq/L		5/17/2016	Calc.		22.9	
Total Cations, Measured	meq/L		5/17/2016	Calc.		24.5	
Total Dissolved Solids	mg/L		5/6/2016 1346h	SM2540C	20.0	1,510	
Total Dissolved Solids Ratio, Measured/Calculated			5/17/2016	Calc.		1.03	
Total Dissolved Solids, Calculated	mg/L		5/17/2016	Calc.		1,460	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-005A
Client Sample ID: MW-30_05042016
Collection Date: 5/4/2016 1050h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 5/9/2016 1203h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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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	45.8	50.00	91.7	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.6	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	52.3	50.00	105	80-124	
Surr: Toluene-d8	2037-26-5	52.2	50.00	104	77-129	

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Certificate of Analysis

Report Date: June 1, 2016

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_05042016	Project: DNMI00100
Sample ID: 396973005	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 04-MAY-16 10:50	
Receive Date: 09-MAY-16	
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	+/-0.336	0.940	1.00	pCi/L		AXM6	05/25/16	1725	1568220	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"			96.5	(25%-125%)							

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-006
Client Sample ID: MW-31_05032016
Collection Date: 5/3/2016 1300h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	5/11/2016 1328h	5/12/2016 1543h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	5/11/2016 1328h	5/12/2016 1817h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	5/11/2016 1328h	5/12/2016 1543h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	5/11/2016 1328h	5/17/2016 1358h	E200.7	100	248	
Chromium	mg/L	5/11/2016 1328h	5/12/2016 1543h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	5/11/2016 1328h	5/12/2016 1543h	E200.8	0.0100	< 0.0100	
Copper	mg/L	5/11/2016 1328h	5/12/2016 1543h	E200.8	0.0100	< 0.0100	
Iron	mg/L	5/11/2016 1328h	5/12/2016 1817h	E200.8	0.0300	< 0.0300	
Lead	mg/L	5/11/2016 1328h	5/12/2016 1817h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	5/11/2016 1328h	5/17/2016 1358h	E200.7	100	115	
Manganese	mg/L	5/11/2016 1328h	5/12/2016 1543h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	5/11/2016 1820h	5/12/2016 1106h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	5/11/2016 1328h	5/12/2016 1543h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	5/11/2016 1328h	5/12/2016 1543h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	5/11/2016 1328h	5/17/2016 1615h	E200.7	1.00	6.60	
Selenium	mg/L	5/11/2016 1328h	5/12/2016 1543h	E200.8	0.00500	0.0846	
Silver	mg/L	5/11/2016 1328h	5/12/2016 1543h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	5/11/2016 1328h	5/17/2016 1358h	E200.7	100	108	
Thallium	mg/L	5/11/2016 1328h	5/12/2016 1817h	E200.8	0.000500	< 0.000500	
Tin	mg/L	5/11/2016 1328h	5/12/2016 1543h	E200.8	0.100	< 0.100	
Uranium	mg/L	5/11/2016 1328h	5/12/2016 1855h	E200.8	0.000300	0.00905	
Vanadium	mg/L	5/11/2016 1328h	5/17/2016 1615h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	5/11/2016 1328h	5/12/2016 1543h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-006
Client Sample ID: MW-31_05032016
Collection Date: 5/3/2016 1300h
Received Date: 5/6/2016 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/9/2016 1500h	5/9/2016 1733h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO ₃)	mg/L		5/10/2016 849h	SM2320B	1.00	165	
Carbonate (as CaCO ₃)	mg/L		5/10/2016 849h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/12/2016 2305h	E300.0	100	243	
Fluoride	mg/L		5/13/2016 932h	E300.0	0.100	0.763	
Ion Balance	%		5/17/2016	Calc.	-100	3.37	
Nitrate/Nitrite (as N)	mg/L		5/18/2016 1315h	E353.2	0.100	18.6	
Sulfate	mg/L		5/12/2016 2305h	E300.0	100	699	
Total Anions, Measured	meq/L		5/17/2016	Calc.		25.0	
Total Cations, Measured	meq/L		5/17/2016	Calc.		26.7	
Total Dissolved Solids	mg/L		5/6/2016 1346h	SM2540C	20.0	1,550	
Total Dissolved Solids Ratio, Measured/Calculated			5/17/2016	Calc.		1.01	
Total Dissolved Solids, Calculated	mg/L		5/17/2016	Calc.		1,540	

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Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-006A
Client Sample ID: MW-31_05032016
Collection Date: 5/3/2016 1300h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 5/6/2016 1841h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.4	50.00	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.6	50.00	99.3	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.2	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	51.0	50.00	102	77-129	

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Certificate of Analysis

Report Date: June 1, 2016

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_05032016	Project: DNMI00100
Sample ID: 396973006	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 03-MAY-16 13:00	
Receive Date: 09-MAY-16	
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	+/-0.288	0.970	1.00	pCi/L		AXM6	05/25/16	1729 1568220	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			100	(25%-125%)

Notes:
 Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-008
Client Sample ID: MW-32_04202016
Collection Date: 4/20/2016 1545h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/22/2016 1342h	4/25/2016 1424h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/22/2016 1342h	4/25/2016 1512h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/22/2016 1342h	4/25/2016 1424h	E200.8	0.000500	0.00149	
Calcium	mg/L	4/22/2016 1342h	5/4/2016 1241h	E200.7	100	511	
Chromium	mg/L	4/22/2016 1342h	4/25/2016 1424h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/22/2016 1342h	4/25/2016 1424h	E200.8	0.0100	0.0400	
Copper	mg/L	4/22/2016 1342h	4/26/2016 1344h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/22/2016 1342h	4/26/2016 1627h	E200.8	0.500	5.23	
Lead	mg/L	4/22/2016 1342h	4/25/2016 1512h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/22/2016 1342h	5/4/2016 1241h	E200.7	100	214	
Manganese	mg/L	4/22/2016 1342h	4/26/2016 1627h	E200.8	0.0100	4.85	
Mercury	mg/L	4/29/2016 1515h	5/2/2016 1136h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/22/2016 1342h	4/25/2016 1424h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/22/2016 1342h	4/25/2016 1424h	E200.8	0.0200	0.0470	
Potassium	mg/L	4/22/2016 1342h	5/4/2016 1342h	E200.7	10.0	13.8	
Selenium	mg/L	4/22/2016 1342h	4/25/2016 1424h	E200.8	0.00500	< 0.00500	
Silver	mg/L	4/22/2016 1342h	4/25/2016 1424h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/22/2016 1342h	5/4/2016 1241h	E200.7	100	225	
Thallium	mg/L	4/22/2016 1342h	4/25/2016 1512h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/22/2016 1342h	4/25/2016 1424h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/22/2016 1342h	4/25/2016 1611h	E200.8	0.000300	0.00175	
Vanadium	mg/L	4/22/2016 1342h	5/4/2016 1419h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/22/2016 1342h	4/25/2016 1424h	E200.8	0.0100	0.0812	

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QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-008
Client Sample ID: MW-32_04202016
Collection Date: 4/20/2016 1545h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/26/2016 1030h	4/26/2016 1505h	E350.1	0.0500	0.720	
Bicarbonate (as CaCO ₃)	mg/L		4/25/2016 915h	SM2320B	1.00	377	
Carbonate (as CaCO ₃)	mg/L		4/25/2016 915h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/29/2016 2334h	E300.0	10.0	36.3	
Fluoride	mg/L		4/30/2016 239h	E300.0	0.100	0.171	
Ion Balance	%		5/4/2016	Calc.	-100	-1.16	
Nitrate/Nitrite (as N)	mg/L		5/6/2016 1508h	E353.2	0.100	< 0.100	
Sulfate	mg/L		4/29/2016 1904h	E300.0	1,000	2,220	
Total Anions, Measured	meq/L		5/4/2016	Calc.		54.8	
Total Cations, Measured	meq/L		5/4/2016	Calc.		53.6	
Total Dissolved Solids	mg/L		4/22/2016 1206h	SM2540C	20.0	3,520	
Total Dissolved Solids Ratio, Measured/Calculated			5/4/2016	Calc.		1.02	
Total Dissolved Solids, Calculated	mg/L		5/4/2016	Calc.		3,450	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-008A
Client Sample ID: MW-32_04202016
Collection Date: 4/20/2016 1545h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/25/2016 1500h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.2	50.00	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.4	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	48.8	50.00	97.6	80-124	
Surr: Toluene-d8	2037-26-5	46.4	50.00	92.8	77-129	

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: May 19, 2016

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_04202016 Project: DNMI00100
Sample ID: 396023008 Client ID: DNMI001
Matrix: Ground Water
Collect Date: 20-APR-16 15:45
Receive Date: 26-APR-16
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		2.18	+/-0.248	0.550	1.00	pCi/L		AXM6	05/16/16	1909	1567688	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			102	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-007
Client Sample ID: MW-35_05032016
Collection Date: 5/3/2016 1430h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	5/11/2016 1328h	5/12/2016 1547h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	5/11/2016 1328h	5/12/2016 1820h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	5/11/2016 1328h	5/12/2016 1547h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	5/11/2016 1328h	5/17/2016 1400h	E200.7	100	534	
Chromium	mg/L	5/11/2016 1328h	5/12/2016 1547h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	5/11/2016 1328h	5/12/2016 1547h	E200.8	0.0100	< 0.0100	
Copper	mg/L	5/11/2016 1328h	5/12/2016 1547h	E200.8	0.0100	< 0.0100	
Iron	mg/L	5/11/2016 1328h	5/12/2016 1820h	E200.8	0.0300	0.0763	
Lead	mg/L	5/11/2016 1328h	5/12/2016 1820h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	5/11/2016 1328h	5/17/2016 1400h	E200.7	100	167	
Manganese	mg/L	5/11/2016 1328h	5/12/2016 1547h	E200.8	0.0100	0.203	
Mercury	mg/L	5/11/2016 1820h	5/12/2016 1108h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	5/11/2016 1328h	5/12/2016 1547h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	5/11/2016 1328h	5/12/2016 1547h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	5/11/2016 1328h	5/17/2016 1451h	E200.7	10.0	10.8	
Selenium	mg/L	5/11/2016 1328h	5/12/2016 1547h	E200.8	0.00500	0.0129	
Silver	mg/L	5/11/2016 1328h	5/12/2016 1547h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	5/11/2016 1328h	5/17/2016 1400h	E200.7	100	397	
Thallium	mg/L	5/11/2016 1328h	5/12/2016 1820h	E200.8	0.000500	< 0.000500	
Tin	mg/L	5/11/2016 1328h	5/12/2016 1547h	E200.8	0.100	< 0.100	
Uranium	mg/L	5/11/2016 1328h	5/12/2016 1858h	E200.8	0.000300	0.0212	
Vanadium	mg/L	5/11/2016 1328h	5/17/2016 1617h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	5/11/2016 1328h	5/12/2016 1547h	E200.8	0.0100	< 0.0100	

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 web: www.awal-labs.com

Kyle F. Gross
 Laboratory Director

 Jose Rocha
 QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-007
Client Sample ID: MW-35_05032016
Collection Date: 5/3/2016 1430h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Analytical Results

	Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
3440 South 700 West Salt Lake City, UT 84119	Ammonia (as N)	mg/L	5/9/2016 1500h	5/9/2016 1739h	E350.1	0.0500	< 0.0500	
Phone: (801) 263-8686	Bicarbonate (as CaCO ₃)	mg/L		5/10/2016 849h	SM2320B	1.00	330	
Toll Free: (888) 263-8686	Carbonate (as CaCO ₃)	mg/L		5/10/2016 849h	SM2320B	1.00	< 1.00	
Fax: (801) 263-8687	Chloride	mg/L		5/13/2016 120h	E300.0	10.0	65.8	
e-mail: awal@awal-labs.com	Fluoride	mg/L		5/13/2016 1022h	E300.0	0.100	0.319	
web: www.awal-labs.com	Ion Balance	%		5/17/2016	Calc.	-100	0.329	
	Nitrate/Nitrite (as N)	mg/L		5/18/2016 1316h	E353.2	0.100	< 0.100	
	Sulfate	mg/L		5/12/2016 2051h	E300.0	1,000	2,360	
	Total Anions, Measured	meq/L		5/17/2016	Calc.		57.5	
	Total Cations, Measured	meq/L		5/17/2016	Calc.		57.9	
	Total Dissolved Solids	mg/L		5/6/2016 1346h	SM2540C	20.0	3,660	
Kyle F. Gross Laboratory Director	Total Dissolved Solids Ratio, Measured/Calculated			5/17/2016	Calc.		0.980	
Jose Rocha QA Officer	Total Dissolved Solids, Calculated	mg/L		5/17/2016	Calc.		3,730	



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-007A
Client Sample ID: MW-35_05032016
Collection Date: 5/3/2016 1430h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 5/6/2016 1900h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.7	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.6	50.00	99.1	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.3	50.00	98.5	80-124	
Surr: Toluene-d8	2037-26-5	49.8	50.00	99.6	77-129	

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Certificate of Analysis

Report Date: June 1, 2016

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_05032016	Project: DNMI00100
Sample ID: 396973007	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 03-MAY-16 14:30	
Receive Date: 09-MAY-16	
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		3.22	+/-0.460	0.956	1.00	pCi/L		AXM6	05/25/16	1729	1568220	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments										
	EPA 900.1 Modified											
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits							
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			101	(25%-125%)							

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-009
Client Sample ID: MW-36_04202016
Collection Date: 4/20/2016 1610h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/22/2016 1342h	4/25/2016 1428h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/22/2016 1342h	4/25/2016 1515h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/22/2016 1342h	4/25/2016 1428h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/22/2016 1342h	5/4/2016 1243h	E200.7	100	441	2
Chromium	mg/L	4/22/2016 1342h	4/25/2016 1428h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/22/2016 1342h	4/25/2016 1428h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/22/2016 1342h	4/26/2016 1357h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/22/2016 1342h	4/25/2016 1515h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/22/2016 1342h	4/25/2016 1515h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/22/2016 1342h	5/4/2016 1243h	E200.7	100	144	2
Manganese	mg/L	4/22/2016 1342h	4/25/2016 1428h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	4/29/2016 1515h	5/2/2016 1138h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/22/2016 1342h	4/25/2016 1428h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/22/2016 1342h	4/25/2016 1428h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/22/2016 1342h	5/4/2016 1345h	E200.7	10.0	10.5	
Selenium	mg/L	4/22/2016 1342h	4/25/2016 1428h	E200.8	0.00500	0.244	
Silver	mg/L	4/22/2016 1342h	4/25/2016 1428h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/22/2016 1342h	5/4/2016 1243h	E200.7	100	687	2
Thallium	mg/L	4/22/2016 1342h	4/25/2016 1515h	E200.8	0.000500	0.000673	
Tin	mg/L	4/22/2016 1342h	4/25/2016 1428h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/22/2016 1342h	4/25/2016 1614h	E200.8	0.000300	0.0225	
Vanadium	mg/L	4/22/2016 1342h	5/4/2016 1421h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/22/2016 1342h	4/25/2016 1428h	E200.8	0.0100	< 0.0100	

² - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-009
Client Sample ID: MW-36_04202016
Collection Date: 4/20/2016 1610h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Analytical Results

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/26/2016 1030h	4/26/2016 1506h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO ₃)	mg/L		4/25/2016 915h	SM2320B	1.00	286	
Carbonate (as CaCO ₃)	mg/L		4/25/2016 915h	SM2320B	1.00	< 1.00	
Chloride	mg/L		4/29/2016 2350h	E300.0	10.0	58.9	
Fluoride	mg/L		4/30/2016 256h	E300.0	0.100	0.271	
Ion Balance	%		5/4/2016	Calc.	-100	-2.02	
Nitrate/Nitrite (as N)	mg/L		5/6/2016 1509h	E353.2	0.100	0.136	
Sulfate	mg/L		4/29/2016 1921h	E300.0	1,000	2,850	
Total Anions, Measured	meq/L		5/4/2016	Calc.		66.6	
Total Cations, Measured	meq/L		5/4/2016	Calc.		64.0	
Total Dissolved Solids	mg/L		4/22/2016 1206h	SM2540C	20.0	4,160	
Total Dissolved Solids Ratio, Measured/Calculated			5/4/2016	Calc.		0.955	
Total Dissolved Solids, Calculated	mg/L		5/4/2016	Calc.		4,360	



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-009A
Client Sample ID: MW-36_04202016
Collection Date: 4/20/2016 1610h
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/25/2016 1519h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	59.2	50.00	118	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.3	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.9	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	47.6	50.00	95.2	77-129	

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Certificate of Analysis

Report Date: May 19, 2016

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_04202016 Project: DNMI00100
Sample ID: 396023009 Client ID: DNMI001
Matrix: Ground Water
Collect Date: 20-APR-16 16:10
Receive Date: 26-APR-16
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	+/-0.186	0.620	1.00	pCi/L		AXM6	05/16/16	1914	1567688	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			100	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605438-001
Client Sample ID: MW-37_05182016
Collection Date: 5/18/2016 818h
Received Date: 5/20/2016 940h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	5/23/2016 1147h	5/25/2016 1913h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	5/23/2016 1147h	5/25/2016 1941h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	5/23/2016 1147h	5/25/2016 1913h	E200.8	0.000500	0.000506	
Calcium	mg/L	5/23/2016 1147h	5/27/2016 1146h	E200.7	100	439	
Chromium	mg/L	5/23/2016 1147h	5/25/2016 1913h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	5/23/2016 1147h	5/25/2016 1913h	E200.8	0.0100	< 0.0100	
Copper	mg/L	5/23/2016 1147h	5/25/2016 1913h	E200.8	0.0100	< 0.0100	
Iron	mg/L	5/23/2016 1147h	5/25/2016 1941h	E200.8	0.0300	< 0.0300	
Lead	mg/L	5/23/2016 1147h	5/25/2016 1941h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	5/23/2016 1147h	5/27/2016 1146h	E200.7	100	120	
Manganese	mg/L	5/23/2016 1147h	5/25/2016 1913h	E200.8	0.0100	0.0426	
Mercury	mg/L	5/27/2016 1322h	5/31/2016 858h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	5/23/2016 1147h	5/25/2016 1913h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	5/23/2016 1147h	5/25/2016 1913h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	5/23/2016 1147h	5/27/2016 1211h	E200.7	1.00	15.7	
Selenium	mg/L	5/23/2016 1147h	5/25/2016 1913h	E200.8	0.00500	0.00566	
Silver	mg/L	5/23/2016 1147h	5/25/2016 1913h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	5/23/2016 1147h	5/27/2016 1146h	E200.7	100	468	
Thallium	mg/L	5/23/2016 1147h	5/25/2016 1941h	E200.8	0.000500	0.000948	
Tin	mg/L	5/23/2016 1147h	5/25/2016 1913h	E200.8	0.100	< 0.100	
Uranium	mg/L	5/23/2016 1147h	5/24/2016 1431h	E200.8	0.000300	0.0136	
Vanadium	mg/L	5/23/2016 1147h	5/27/2016 1211h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	5/23/2016 1147h	5/25/2016 1913h	E200.8	0.0100	0.0354	

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605438-001
Client Sample ID: MW-37_05182016
Collection Date: 5/18/2016 818h
Received Date: 5/20/2016 940h

Contact: Garrin Palmer

Analytical Results

	Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
3440 South 700 West	Ammonia (as N)	mg/L	5/23/2016 1540h	5/23/2016 1807h	E350.1	0.0500	< 0.0500	
Salt Lake City, UT 84119	Bicarbonate (as CaCO ₃)	mg/L		5/23/2016 710h	SM2320B	1.00	155	
Phone: (801) 263-8686	Carbonate (as CaCO ₃)	mg/L		5/23/2016 710h	SM2320B	1.00	< 1.00	
Toll Free: (888) 263-8686	Chloride	mg/L		5/31/2016 1152h	E300.0	10.0	49.4	
Fax: (801) 263-8687	Fluoride	mg/L		5/31/2016 1136h	E300.0	0.100	0.322	
e-mail: awal@awal-labs.com	Ion Balance	%		5/27/2016 1339h	Calc.	-100	-4.28	
web: www.awal-labs.com	Nitrate/Nitrite (as N)	mg/L		5/31/2016 1613h	E353.2	0.100	0.108	
	Sulfate	mg/L		5/31/2016 1116h	E300.0	1,000	2,530	
	Total Anions, Measured	meq/L		5/27/2016 1339h	Calc.		57.2	
	Total Cations, Measured	meq/L		5/27/2016 1339h	Calc.		52.5	
Kyle F. Gross	Total Dissolved Solids	mg/L		5/20/2016 2330h	SM2540C	20.0	3,630	
Laboratory Director	Total Dissolved Solids Ratio, Measured/Calculated			5/27/2016 1339h	Calc.		0.977	
Jose Rocha	Total Dissolved Solids, Calculated	mg/L		5/27/2016 1339h	Calc.		3,720	
QA Officer								



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605438-001A
Client Sample ID: MW-37_05182016
Collection Date: 5/18/2016 818h
Received Date: 5/20/2016 940h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 5/20/2016 1328h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.1	50.00	102	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.9	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	46.8	50.00	93.6	80-124	
Surr: Toluene-d8	2037-26-5	48.3	50.00	96.5	77-129	

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

Certificate of Analysis

Report Date: June 16, 2016

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_05182016 Project: DNMI00100
Sample ID: 398060001 Client ID: DNMI001
Matrix: Ground Water
Collect Date: 18-MAY-16 08:18
Receive Date: 24-MAY-16
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		1.02	+/-0.274	0.632	1.00	pCi/L		AXM6	06/15/16	1401	1571113	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"			98.7	(25%-125%)

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-009
Client Sample ID: MW-65_04272016
Collection Date: 4/27/2016 1050h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	4/29/2016 1220h	5/4/2016 1236h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	4/29/2016 1220h	5/4/2016 1329h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	4/29/2016 1220h	5/4/2016 1236h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	4/29/2016 1220h	5/5/2016 1118h	E200.7	100	444	
Chromium	mg/L	4/29/2016 1220h	5/4/2016 1236h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	4/29/2016 1220h	5/4/2016 1236h	E200.8	0.0100	< 0.0100	
Copper	mg/L	4/29/2016 1220h	5/4/2016 1236h	E200.8	0.0100	< 0.0100	
Iron	mg/L	4/29/2016 1220h	5/4/2016 1329h	E200.8	0.0300	< 0.0300	
Lead	mg/L	4/29/2016 1220h	5/4/2016 1329h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	4/29/2016 1220h	5/5/2016 1118h	E200.7	100	161	
Manganese	mg/L	4/29/2016 1220h	5/4/2016 1236h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	5/4/2016 1630h	5/9/2016 918h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	4/29/2016 1220h	5/4/2016 1236h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	4/29/2016 1220h	5/4/2016 1236h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	4/29/2016 1220h	5/10/2016 1100h	E200.7	2.00	10.0	
Selenium	mg/L	4/29/2016 1220h	5/4/2016 1236h	E200.8	0.00500	0.124	
Silver	mg/L	4/29/2016 1220h	5/4/2016 1236h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	4/29/2016 1220h	5/5/2016 1118h	E200.7	100	479	
Thallium	mg/L	4/29/2016 1220h	5/4/2016 1329h	E200.8	0.000500	< 0.000500	
Tin	mg/L	4/29/2016 1220h	5/4/2016 1236h	E200.8	0.100	< 0.100	
Uranium	mg/L	4/29/2016 1220h	5/4/2016 1410h	E200.8	0.000300	0.0439	
Vanadium	mg/L	4/29/2016 1220h	5/10/2016 1100h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	4/29/2016 1220h	5/4/2016 1236h	E200.8	0.0100	< 0.0100	

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web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-009
Client Sample ID: MW-65_04272016
Collection Date: 4/27/2016 1050h
Received Date: 4/29/2016 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/9/2016 1040h	5/9/2016 1626h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		4/29/2016 1107h	SM2320B	1.00	354	
Carbonate (as CaCO3)	mg/L		4/29/2016 1107h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/3/2016 2234h	E300.0	10.0	39.0	
Fluoride	mg/L		5/4/2016 122h	E300.0	0.100	0.165	
Ion Balance	%		5/5/2016	Calc.	-100	-1.29	
Nitrate/Nitrite (as N)	mg/L		5/10/2016 1133h	E353.2	0.100	0.180	
Sulfate	mg/L		5/3/2016 1945h	E300.0	1,000	2,390	
Total Anions, Measured	meq/L		5/5/2016	Calc.		57.9	
Total Cations, Measured	meq/L		5/5/2016	Calc.		56.5	
Total Dissolved Solids	mg/L		4/29/2016 1143h	SM2540C	20.0	3,600	
Total Dissolved Solids Ratio, Measured/Calculated			5/5/2016	Calc.		0.965	
Total Dissolved Solids, Calculated	mg/L		5/5/2016	Calc.		3,730	

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-009A
Client Sample ID: MW-65_04272016
Collection Date: 4/27/2016 1050h
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/29/2016 1657h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	61.2	50.00	122	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.0	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.9	50.00	104	80-124	
Surr: Toluene-d8	2037-26-5	47.1	50.00	94.2	77-129	

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Certificate of Analysis

Report Date: May 26, 2016

Company : Energy Fuels Resources (USA), Inc.
 Address : 225 Union Boulevard
 Suite 600
 Lakewood, Colorado 80228
 Contact: Ms. Kathy Weinel
 Project: White Mesa Mill GW

Client Sample ID: MW-65_04272016	Project: DNMI00100
Sample ID: 396449009	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 27-APR-16 10:50	
Receive Date: 02-MAY-16	
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	+/-0.262	0.966	1.00	pCi/L		AXM6	05/25/16	1725	1568220	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments										
	EPA 900.1 Modified											
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits							
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			101	(25%-125%)							

Notes:
 Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-008
Client Sample ID: MW-70_05042016
Collection Date: 5/4/2016 1010h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	5/11/2016 1328h	5/12/2016 1550h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	5/11/2016 1328h	5/12/2016 1824h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	5/11/2016 1328h	5/12/2016 1550h	E200.8	0.000500	0.00130	
Calcium	mg/L	5/11/2016 1328h	5/17/2016 1402h	E200.7	100	505	
Chromium	mg/L	5/11/2016 1328h	5/12/2016 1550h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	5/11/2016 1328h	5/12/2016 1550h	E200.8	0.0100	< 0.0100	
Copper	mg/L	5/11/2016 1328h	5/12/2016 1550h	E200.8	0.0100	< 0.0100	
Iron	mg/L	5/11/2016 1328h	5/12/2016 1824h	E200.8	0.0300	< 0.0300	
Lead	mg/L	5/11/2016 1328h	5/12/2016 1824h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	5/11/2016 1328h	5/17/2016 1402h	E200.7	100	153	
Manganese	mg/L	5/11/2016 1328h	5/12/2016 1550h	E200.8	0.0100	1.94	
Mercury	mg/L	5/11/2016 1820h	5/12/2016 1110h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	5/11/2016 1328h	5/12/2016 1550h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	5/11/2016 1328h	5/12/2016 1550h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	5/11/2016 1328h	5/17/2016 1453h	E200.7	10.0	12.0	
Selenium	mg/L	5/11/2016 1328h	5/12/2016 1550h	E200.8	0.00500	< 0.00500	
Silver	mg/L	5/11/2016 1328h	5/12/2016 1550h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	5/11/2016 1328h	5/17/2016 1402h	E200.7	100	344	
Thallium	mg/L	5/11/2016 1328h	5/12/2016 1824h	E200.8	0.000500	< 0.000500	
Tin	mg/L	5/11/2016 1328h	5/12/2016 1550h	E200.8	0.100	< 0.100	
Uranium	mg/L	5/11/2016 1328h	5/12/2016 1901h	E200.8	0.000300	0.0630	
Vanadium	mg/L	5/11/2016 1328h	5/17/2016 1626h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	5/11/2016 1328h	5/12/2016 1550h	E200.8	0.0100	0.0115	

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Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-008
Client Sample ID: MW-70_05042016
Collection Date: 5/4/2016 1010h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	5/9/2016 1250h	5/9/2016 1727h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO ₃)	mg/L		5/10/2016 849h	SM2320B	1.00	382	
Carbonate (as CaCO ₃)	mg/L		5/10/2016 849h	SM2320B	1.00	< 1.00	
Chloride	mg/L		5/13/2016 137h	E300.0	10.0	19.1	
Fluoride	mg/L		5/13/2016 1039h	E300.0	0.100	0.122	
Ion Balance	%		5/17/2016	Calc.	-100	-0.230	
Nitrate/Nitrite (as N)	mg/L		5/18/2016 1317h	E353.2	0.100	< 0.100	
Sulfate	mg/L		5/12/2016 1819h	E300.0	1,000	2,170	
Total Anions, Measured	meq/L		5/17/2016	Calc.		53.3	
Total Cations, Measured	meq/L		5/17/2016	Calc.		53.1	
Total Dissolved Solids	mg/L		5/6/2016 1346h	SM2540C	50.0	3,560	
Total Dissolved Solids Ratio, Measured/Calculated			5/17/2016	Calc.		1.04	
Total Dissolved Solids, Calculated	mg/L		5/17/2016	Calc.		3,430	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-008A
Client Sample ID: MW-70_05042016
Collection Date: 5/4/2016 1010h
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 5/6/2016 1920h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.9	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.6	50.00	99.2	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.3	50.00	98.5	80-124	
Surr: Toluene-d8	2037-26-5	49.7	50.00	99.4	77-129	

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Certificate of Analysis

Report Date: June 1, 2016

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_05042016	Project: DNMI00100
Sample ID: 396973008	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 04-MAY-16 10:10	
Receive Date: 09-MAY-16	
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	+/-0.254	0.972	1.00	pCi/L		AXM6	05/25/16	1729	1568220	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments										
	EPA 900.1 Modified											
Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits							
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			101	(25%-125%)							

Notes:
 Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604494-010A
Client Sample ID: Trip Blank
Collection Date: 4/19/2016
Received Date: 4/22/2016 1045h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/25/2016 1223h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.0	50.00	116	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.1	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.4	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	47.3	50.00	94.6	77-129	



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1604654-010A
Client Sample ID: Trip Blank
Collection Date: 4/26/2016
Received Date: 4/29/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/29/2016 1401h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

3440 South 700 West

Salt Lake City, UT 84119

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web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	59.1	50.00	118	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.9	50.00	97.8	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.6	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	46.7	50.00	93.5	77-129	

Reissue of a previously generated report. The Date Collected has been revised. Information herein supersedes that of the previously issued reports.



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605152-009A
Client Sample ID: Trip Blank
Collection Date: 5/3/2016
Received Date: 5/6/2016 1015h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 5/6/2016 1603h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

3440 South 700 West

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.6	50.00	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.5	50.00	98.9	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.5	50.00	103	80-124	
Surr: Toluene-d8	2037-26-5	50.0	50.00	100	77-129	



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Sample ID: 1605438-004A
Client Sample ID: Trip Blank
Collection Date: 5/18/2016 1006h
Received Date: 5/20/2016 940h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 5/20/2016 1308h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.1	50.00	102	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.1	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	47.5	50.00	95.0	80-124	
Surr: Toluene-d8	2037-26-5	48.3	50.00	96.6	77-129	



Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: 2nd Quarter Groundwater 2016

Dear Garrin Palmer:

Lab Set ID: 1604494

3440 South 700 West
Salt Lake City, UT 84119

American West Analytical Laboratories received sample(s) on 4/22/2016 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.

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

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: 2016.05.11 16:52:52
-06'00'

Approved by:

Laboratory Director or designee



SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1604494
Date Received: 4/22/2016 1045h

Contact: Garrin Palmer

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

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1604494-001A	MW-01_04202016	4/20/2016 955h	Aqueous	VOA by GC/MS Method 8260C/5030C
1604494-001B	MW-01_04202016	4/20/2016 955h	Aqueous	Anions, E300.0
1604494-001B	MW-01_04202016	4/20/2016 955h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1604494-001C	MW-01_04202016	4/20/2016 955h	Aqueous	Total Dissolved Solids, A2540C
1604494-001D	MW-01_04202016	4/20/2016 955h	Aqueous	Nitrite/Nitrate (as N), E353.2
1604494-001D	MW-01_04202016	4/20/2016 955h	Aqueous	Ammonia, Aqueous
1604494-001E	MW-01_04202016	4/20/2016 955h	Aqueous	Ion Balance
1604494-001E	MW-01_04202016	4/20/2016 955h	Aqueous	ICP Metals, Dissolved
1604494-001E	MW-01_04202016	4/20/2016 955h	Aqueous	ICPMS Metals, Dissolved
1604494-001E	MW-01_04202016	4/20/2016 955h	Aqueous	Mercury, Drinking Water Dissolved
1604494-002A	MW-05_04212016	4/21/2016 950h	Aqueous	VOA by GC/MS Method 8260C/5030C
1604494-002B	MW-05_04212016	4/21/2016 950h	Aqueous	Anions, E300.0
1604494-002B	MW-05_04212016	4/21/2016 950h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1604494-002C	MW-05_04212016	4/21/2016 950h	Aqueous	Total Dissolved Solids, A2540C
1604494-002D	MW-05_04212016	4/21/2016 950h	Aqueous	Ammonia, Aqueous
1604494-002D	MW-05_04212016	4/21/2016 950h	Aqueous	Nitrite/Nitrate (as N), E353.2
1604494-002E	MW-05_04212016	4/21/2016 950h	Aqueous	ICP Metals, Dissolved
1604494-002E	MW-05_04212016	4/21/2016 950h	Aqueous	ICPMS Metals, Dissolved
1604494-002E	MW-05_04212016	4/21/2016 950h	Aqueous	Mercury, Drinking Water Dissolved
1604494-002E	MW-05_04212016	4/21/2016 950h	Aqueous	Ion Balance
1604494-003A	MW-12_04212016	4/21/2016 850h	Aqueous	VOA by GC/MS Method 8260C/5030C
1604494-003B	MW-12_04212016	4/21/2016 850h	Aqueous	Anions, E300.0
1604494-003B	MW-12_04212016	4/21/2016 850h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1604494-003C	MW-12_04212016	4/21/2016 850h	Aqueous	Total Dissolved Solids, A2540C
1604494-003D	MW-12_04212016	4/21/2016 850h	Aqueous	Ammonia, Aqueous
1604494-003D	MW-12_04212016	4/21/2016 850h	Aqueous	Nitrite/Nitrate (as N), E353.2
1604494-003E	MW-12_04212016	4/21/2016 850h	Aqueous	ICP Metals, Dissolved
1604494-003E	MW-12_04212016	4/21/2016 850h	Aqueous	ICPMS Metals, Dissolved
1604494-003E	MW-12_04212016	4/21/2016 850h	Aqueous	Mercury, Drinking Water Dissolved



Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1604494
Date Received: 4/22/2016 1045h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis	
1604494-003E	MW-12_04212016	4/21/2016 850h	Aqueous	Ion Balance	
3440 South 700 West Salt Lake City, UT 84119	1604494-004A	MW-18_04192016	4/19/2016 1335h	Aqueous	VOA by GC/MS Method 8260C/5030C
	1604494-004B	MW-18_04192016	4/19/2016 1335h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
	1604494-004B	MW-18_04192016	4/19/2016 1335h	Aqueous	Anions, E300.0
Phone: (801) 263-8686	1604494-004C	MW-18_04192016	4/19/2016 1335h	Aqueous	Total Dissolved Solids, A2540C
Toll Free: (888) 263-8686	1604494-004D	MW-18_04192016	4/19/2016 1335h	Aqueous	Nitrite/Nitrate (as N), E353.2
Fax: (801) 263-8687	1604494-004D	MW-18_04192016	4/19/2016 1335h	Aqueous	Ammonia, Aqueous
e-mail: awal@awal-labs.com	1604494-004E	MW-18_04192016	4/19/2016 1335h	Aqueous	ICP Metals, Dissolved
web: www.awal-labs.com	1604494-004E	MW-18_04192016	4/19/2016 1335h	Aqueous	ICPMS Metals, Dissolved
	1604494-004E	MW-18_04192016	4/19/2016 1335h	Aqueous	Mercury, Drinking Water Dissolved
	1604494-004E	MW-18_04192016	4/19/2016 1335h	Aqueous	Ion Balance
	1604494-005A	MW-19_04192016	4/19/2016 1550h	Aqueous	VOA by GC/MS Method 8260C/5030C
Kyle F. Gross Laboratory Director	1604494-005B	MW-19_04192016	4/19/2016 1550h	Aqueous	Anions, E300.0
	1604494-005B	MW-19_04192016	4/19/2016 1550h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
Jose Rocha QA Officer	1604494-005C	MW-19_04192016	4/19/2016 1550h	Aqueous	Total Dissolved Solids, A2540C
	1604494-005D	MW-19_04192016	4/19/2016 1550h	Aqueous	Nitrite/Nitrate (as N), E353.2
	1604494-005D	MW-19_04192016	4/19/2016 1550h	Aqueous	Ammonia, Aqueous
	1604494-005E	MW-19_04192016	4/19/2016 1550h	Aqueous	ICP Metals, Dissolved
	1604494-005E	MW-19_04192016	4/19/2016 1550h	Aqueous	ICPMS Metals, Dissolved
	1604494-005E	MW-19_04192016	4/19/2016 1550h	Aqueous	Mercury, Drinking Water Dissolved
	1604494-005E	MW-19_04192016	4/19/2016 1550h	Aqueous	Ion Balance
	1604494-006A	MW-27_04202016	4/20/2016 1050h	Aqueous	VOA by GC/MS Method 8260C/5030C
	1604494-006B	MW-27_04202016	4/20/2016 1050h	Aqueous	Anions, E300.0
	1604494-006B	MW-27_04202016	4/20/2016 1050h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
	1604494-006C	MW-27_04202016	4/20/2016 1050h	Aqueous	Total Dissolved Solids, A2540C
	1604494-006D	MW-27_04202016	4/20/2016 1050h	Aqueous	Nitrite/Nitrate (as N), E353.2
	1604494-006D	MW-27_04202016	4/20/2016 1050h	Aqueous	Ammonia, Aqueous
	1604494-006E	MW-27_04202016	4/20/2016 1050h	Aqueous	Ion Balance
	1604494-006E	MW-27_04202016	4/20/2016 1050h	Aqueous	Mercury, Drinking Water Dissolved
	1604494-006E	MW-27_04202016	4/20/2016 1050h	Aqueous	ICP Metals, Dissolved
	1604494-006E	MW-27_04202016	4/20/2016 1050h	Aqueous	ICPMS Metals, Dissolved



Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1604494
Date Received: 4/22/2016 1045h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1604494-007A	MW-28_04202016	4/20/2016 1440h	Aqueous	VOA by GC/MS Method 8260C/5030C
1604494-007B	MW-28_04202016	4/20/2016 1440h	Aqueous	Anions, E300.0
1604494-007B	MW-28_04202016	4/20/2016 1440h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1604494-007C	MW-28_04202016	4/20/2016 1440h	Aqueous	Total Dissolved Solids, A2540C
1604494-007D	MW-28_04202016	4/20/2016 1440h	Aqueous	Ammonia, Aqueous
1604494-007D	MW-28_04202016	4/20/2016 1440h	Aqueous	Nitrite/Nitrate (as N), E353.2
1604494-007E	MW-28_04202016	4/20/2016 1440h	Aqueous	ICPMS Metals, Dissolved
1604494-007E	MW-28_04202016	4/20/2016 1440h	Aqueous	Mercury, Drinking Water Dissolved
1604494-007E	MW-28_04202016	4/20/2016 1440h	Aqueous	Ion Balance
1604494-007E	MW-28_04202016	4/20/2016 1440h	Aqueous	ICP Metals, Dissolved
1604494-008A	MW-32_04202016	4/20/2016 1545h	Aqueous	VOA by GC/MS Method 8260C/5030C
1604494-008B	MW-32_04202016	4/20/2016 1545h	Aqueous	Anions, E300.0
1604494-008B	MW-32_04202016	4/20/2016 1545h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1604494-008C	MW-32_04202016	4/20/2016 1545h	Aqueous	Total Dissolved Solids, A2540C
1604494-008D	MW-32_04202016	4/20/2016 1545h	Aqueous	Ammonia, Aqueous
1604494-008D	MW-32_04202016	4/20/2016 1545h	Aqueous	Nitrite/Nitrate (as N), E353.2
1604494-008E	MW-32_04202016	4/20/2016 1545h	Aqueous	Mercury, Drinking Water Dissolved
1604494-008E	MW-32_04202016	4/20/2016 1545h	Aqueous	Ion Balance
1604494-008E	MW-32_04202016	4/20/2016 1545h	Aqueous	ICPMS Metals, Dissolved
1604494-008E	MW-32_04202016	4/20/2016 1545h	Aqueous	ICP Metals, Dissolved
1604494-009A	MW-36_04202016	4/20/2016 1610h	Aqueous	VOA by GC/MS Method 8260C/5030C
1604494-009B	MW-36_04202016	4/20/2016 1610h	Aqueous	Anions, E300.0
1604494-009B	MW-36_04202016	4/20/2016 1610h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1604494-009C	MW-36_04202016	4/20/2016 1610h	Aqueous	Total Dissolved Solids, A2540C
1604494-009D	MW-36_04202016	4/20/2016 1610h	Aqueous	Ammonia, Aqueous
1604494-009D	MW-36_04202016	4/20/2016 1610h	Aqueous	Nitrite/Nitrate (as N), E353.2
1604494-009E	MW-36_04202016	4/20/2016 1610h	Aqueous	ICP Metals, Dissolved
1604494-009E	MW-36_04202016	4/20/2016 1610h	Aqueous	ICPMS Metals, Dissolved
1604494-009E	MW-36_04202016	4/20/2016 1610h	Aqueous	Mercury, Drinking Water Dissolved
1604494-009E	MW-36_04202016	4/20/2016 1610h	Aqueous	Ion Balance



Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1604494
Date Received: 4/22/2016 1045h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1604494-010A	Trip Blank	4/19/2016	Aqueous	VOA by GC/MS Method 8260C/5030C

3440 South 700 West

Salt Lake City, UT 84119

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



American West
ANALYTICAL LABORATORIES

Volatile Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1604494

3440 South 700 West
Salt Lake City, UT 84119

Sample Receipt Information:

Date of Receipt: 4/22/2016
Date of Collection: 4/19-4/21/2016
Sample Condition: Intact
C-O-C Discrepancies: None
Method: SW-846 8260C/5030C
Analysis: Volatile Organic Compounds

Phone: (801) 263-8686

Toll Free: (888) 263-8686

Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

General Set Comments: No target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Kyle F. Gross
Laboratory Director

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Jose Rocha
QA Officer

Batch QC Requirements: MB, LCS, MS, MSD, RPD, 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.



Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1604494

3440 South 700 West
 Salt Lake City, UT 84119

Sample Receipt Information:

Date of Receipt: 4/22/2016
Date of Collection: 4/19-4/21/2016
Sample Condition: Intact
C-O-C Discrepancies: None

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions:

Sample ID	Analyte	QC	Explanation
1604494-001D	Ammonia	MS/MSD	Sample matrix interference
1604494-009E	Calcium	MS/MSD	High analyte concentration
1604494-009E	Magnesium	MSD	High analyte concentration
1604494-009E	Sodium	MS/MSD	High analyte concentration

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits, with the following exceptions: the RPD for Total Dissolved Solids on sample 1604494-001C was outside of the control limits due to suspected sample non-homogeneity or matrix interference.

Corrective Action: None required.



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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: 1604494
Project: 2nd Quarter Groundwater 2016

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-42614		Date Analyzed: 05/04/2016 1159h											
Test Code: 200.7-DIS		Date Prepared: 04/22/2016 1342h											
Calcium	9.93	mg/L	E200.7	0.0579	1.00	10.00	0	99.3	85 - 115				
Magnesium	9.87	mg/L	E200.7	0.0495	1.00	10.00	0	98.7	85 - 115				
Potassium	9.80	mg/L	E200.7	0.121	1.00	10.00	0	98.0	85 - 115				
Sodium	9.73	mg/L	E200.7	0.0125	1.00	10.00	0	97.3	85 - 115				
Vanadium	0.194	mg/L	E200.7	0.000750	0.00500	0.2000	0	96.9	85 - 115				
Lab Sample ID: LCS-42615		Date Analyzed: 04/25/2016 1331h											
Test Code: 200.8-DIS		Date Prepared: 04/22/2016 1342h											
Arsenic	0.202	mg/L	E200.8	0.000540	0.00200	0.2000	0	101	85 - 115				
Beryllium	0.201	mg/L	E200.8	0.000177	0.00200	0.2000	0	100	85 - 115				
Cadmium	0.199	mg/L	E200.8	0.000666	0.000500	0.2000	0	99.4	85 - 115				
Chromium	0.200	mg/L	E200.8	0.000998	0.00200	0.2000	0	100	85 - 115				
Cobalt	0.194	mg/L	E200.8	0.0000990	0.00400	0.2000	0	97.2	85 - 115				
Copper	0.195	mg/L	E200.8	0.000862	0.00200	0.2000	0	97.6	85 - 115				
Iron	1.01	mg/L	E200.8	0.0274	0.100	1.000	0	101	85 - 115				
Lead	0.197	mg/L	E200.8	0.000125	0.00200	0.2000	0	98.5	85 - 115				
Manganese	0.202	mg/L	E200.8	0.000560	0.00200	0.2000	0	101	85 - 115				
Molybdenum	0.201	mg/L	E200.8	0.000202	0.00200	0.2000	0	101	85 - 115				
Nickel	0.198	mg/L	E200.8	0.000522	0.00200	0.2000	0	98.8	85 - 115				
Selenium	0.202	mg/L	E200.8	0.000310	0.00200	0.2000	0	101	85 - 115				
Silver	0.193	mg/L	E200.8	0.000132	0.00200	0.2000	0	96.7	85 - 115				
Thallium	0.196	mg/L	E200.8	0.0000500	0.00200	0.2000	0	97.9	85 - 115				
Tin	1.01	mg/L	E200.8	0.000372	0.00200	1.000	0	101	85 - 115				
Uranium	0.207	mg/L	E200.8	0.0000710	0.00200	0.2000	0	104	85 - 115				
Zinc	1.00	mg/L	E200.8	0.00452	0.00500	1.000	0	100	85 - 115				



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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604494
Project: 2nd Quarter Groundwater 2016

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-42763	Date Analyzed:	05/02/2016	1109h										
Test Code: HG-DW-DIS-245.1	Date Prepared:	04/29/2016	1515h										
Mercury	0.00343	mg/L	E245.1	0.00000559	0.000150	0.003330	0	103	85 - 115				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604494
Project: 2nd Quarter Groundwater 2016

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-42614	Date Analyzed:		05/04/2016 1157h										
Test Code: 200.7-DIS	Date Prepared:		04/22/2016 1342h										
Calcium	< 1.00	mg/L	E200.7	0.0579	1.00								
Magnesium	< 1.00	mg/L	E200.7	0.0495	1.00								
Potassium	< 1.00	mg/L	E200.7	0.121	1.00								
Sodium	< 1.00	mg/L	E200.7	0.0125	1.00								
Vanadium	< 0.00500	mg/L	E200.7	0.000750	0.00500								
Lab Sample ID: MB-42615	Date Analyzed:		04/25/2016 1328h										
Test Code: 200.8-DIS	Date Prepared:		04/22/2016 1342h										
Arsenic	< 0.00200	mg/L	E200.8	0.000540	0.00200								
Cadmium	< 0.000500	mg/L	E200.8	0.0000666	0.000500								
Chromium	< 0.00200	mg/L	E200.8	0.000998	0.00200								
Cobalt	< 0.00400	mg/L	E200.8	0.0000990	0.00400								
Copper	< 0.00200	mg/L	E200.8	0.000862	0.00200								
Manganese	< 0.00200	mg/L	E200.8	0.000560	0.00200								
Molybdenum	< 0.00200	mg/L	E200.8	0.000202	0.00200								
Nickel	< 0.00200	mg/L	E200.8	0.000522	0.00200								
Selenium	< 0.00200	mg/L	E200.8	0.000310	0.00200								
Silver	< 0.00200	mg/L	E200.8	0.000132	0.00200								
Tin	< 0.00200	mg/L	E200.8	0.000372	0.00200								
Zinc	< 0.00500	mg/L	E200.8	0.00452	0.00500								
Lab Sample ID: MB-42615	Date Analyzed:		04/25/2016 1447h										
Test Code: 200.8-DIS	Date Prepared:		04/22/2016 1342h										
Beryllium	< 0.000500	mg/L	E200.8	0.0000443	0.000500								
Iron	< 0.0250	mg/L	E200.8	0.00685	0.0250								
Lead	< 0.000500	mg/L	E200.8	0.0000312	0.000500								
Thallium	< 0.000500	mg/L	E200.8	0.0000125	0.000500								



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604494
Project: 2nd Quarter Groundwater 2016

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-42615	Date Analyzed:	04/25/2016	1545h										
Test Code: 200.8-DIS	Date Prepared:	04/22/2016	1342h										
Uranium	< 0.000200	mg/L	E200.8	0.00000710	0.000200								
Lab Sample ID: MB-42763	Date Analyzed:	05/02/2016	1108h										
Test Code: HG-DW-DIS-245.1	Date Prepared:	04/29/2016	1515h										
Mercury	< 0.000150	mg/L	E245.1	0.00000559	0.000150								



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604494
Project: 2nd Quarter Groundwater 2016

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: 1604494-009EMS		Date Analyzed:	05/04/2016 1246h										
Test Code: 200.7-DIS		Date Prepared:	04/22/2016 1342h										
Calcium	458	mg/L	E200.7	5.79	100	10.00	441	167	70 - 130				2
Magnesium	152	mg/L	E200.7	4.95	100	10.00	144	79.3	70 - 130				
Sodium	710	mg/L	E200.7	1.25	100	10.00	687	225	70 - 130				2
Lab Sample ID: 1604494-009EMS		Date Analyzed:	05/04/2016 1348h										
Test Code: 200.7-DIS		Date Prepared:	04/22/2016 1342h										
Potassium	18.7	mg/L	E200.7	1.21	10.0	10.00	10.5	82.5	70 - 130				
Lab Sample ID: 1604494-009EMS		Date Analyzed:	05/04/2016 1424h										
Test Code: 200.7-DIS		Date Prepared:	04/22/2016 1342h										
Vanadium	0.196	mg/L	E200.7	0.000750	0.00500	0.2000	0	98.2	70 - 130				
Lab Sample ID: 1604494-009EMS		Date Analyzed:	04/25/2016 1431h										
Test Code: 200.8-DIS		Date Prepared:	04/22/2016 1342h										
Arsenic	0.226	mg/L	E200.8	0.000540	0.00200	0.2000	0	113	75 - 125				
Beryllium	0.186	mg/L	E200.8	0.000177	0.00200	0.2000	0	93.1	75 - 125				
Cadmium	0.194	mg/L	E200.8	0.0000666	0.000500	0.2000	0.000147	96.9	75 - 125				
Chromium	0.203	mg/L	E200.8	0.000998	0.00200	0.2000	0	102	75 - 125				
Cobalt	0.199	mg/L	E200.8	0.0000990	0.00400	0.2000	0	99.7	75 - 125				
Iron	1.02	mg/L	E200.8	0.0274	0.100	1.000	0	102	75 - 125				
Lead	0.186	mg/L	E200.8	0.000125	0.00200	0.2000	0	92.8	75 - 125				
Manganese	0.203	mg/L	E200.8	0.000560	0.00200	0.2000	0.002	100	75 - 125				
Molybdenum	0.212	mg/L	E200.8	0.000202	0.00200	0.2000	0.000617	106	75 - 125				
Nickel	0.203	mg/L	E200.8	0.000522	0.00200	0.2000	0.00182	101	75 - 125				
Selenium	0.438	mg/L	E200.8	0.000310	0.00200	0.2000	0.244	97.0	75 - 125				
Silver	0.183	mg/L	E200.8	0.000132	0.00200	0.2000	0	91.5	75 - 125				
Thallium	0.185	mg/L	E200.8	0.0000500	0.00200	0.2000	0	92.6	75 - 125				
Tin	1.04	mg/L	E200.8	0.000372	0.00200	1.000	0	104	75 - 125				
Uranium	0.224	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0225	101	75 - 125				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604494
Project: 2nd Quarter Groundwater 2016

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: 1604494-009EMS	Date Analyzed:	04/25/2016	1431h										
Test Code: 200.8-DIS	Date Prepared:	04/22/2016	1342h										
Zinc	1.07	mg/L	E200.8	0.00452	0.00500	1.000	0	107	75 - 125				
Lab Sample ID: 1604494-009EMS	Date Analyzed:	04/26/2016	1400h										
Test Code: 200.8-DIS	Date Prepared:	04/22/2016	1342h										
Copper	0.181	mg/L	E200.8	0.000862	0.00200	0.2000	0	90.7	75 - 125				
Lab Sample ID: 1604494-001EMS	Date Analyzed:	05/02/2016	1117h										
Test Code: HG-DW-DIS-245.1	Date Prepared:	04/29/2016	1515h										
Mercury	0.00340	mg/L	E245.1	0.00000559	0.000150	0.003330	0	102	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: 1604494
Project: 2nd Quarter Groundwater 2016

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: 1604494-009EMSD		Date Analyzed:	05/04/2016 1256h										
Test Code: 200.7-DIS		Date Prepared:	04/22/2016 1342h										
Calcium	446	mg/L	E200.7	5.79	100	10.00	441	43.2	70 - 130	458	2.74	20	±
Magnesium	149	mg/L	E200.7	4.95	100	10.00	144	58.6	70 - 130	152	1.38	20	±
Sodium	681	mg/L	E200.7	1.25	100	10.00	687	-66.2	70 - 130	710	4.18	20	±
Lab Sample ID: 1604494-009EMSD		Date Analyzed:	05/04/2016 1350h										
Test Code: 200.7-DIS		Date Prepared:	04/22/2016 1342h										
Potassium	19.2	mg/L	E200.7	1.21	10.0	10.00	10.5	87.3	70 - 130	18.7	2.53	20	
Lab Sample ID: 1604494-009EMSD		Date Analyzed:	05/04/2016 1427h										
Test Code: 200.7-DIS		Date Prepared:	04/22/2016 1342h										
Vanadium	0.197	mg/L	E200.7	0.000750	0.00500	0.2000	0	98.7	70 - 130	0.196	0.477	20	
Lab Sample ID: 1604494-009EMSD		Date Analyzed:	04/25/2016 1434h										
Test Code: 200.8-DIS		Date Prepared:	04/22/2016 1342h										
Arsenic	0.211	mg/L	E200.8	0.000540	0.00200	0.2000	0	105	75 - 125	0.226	6.95	20	
Beryllium	0.186	mg/L	E200.8	0.000177	0.00200	0.2000	0	92.8	75 - 125	0.186	0.302	20	
Cadmium	0.194	mg/L	E200.8	0.000666	0.000500	0.2000	0.000147	96.8	75 - 125	0.194	0.109	20	
Chromium	0.195	mg/L	E200.8	0.000998	0.00200	0.2000	0	97.3	75 - 125	0.203	4.47	20	
Cobalt	0.190	mg/L	E200.8	0.000990	0.00400	0.2000	0	94.8	75 - 125	0.199	5.02	20	
Iron	0.976	mg/L	E200.8	0.0274	0.100	1.000	0	97.6	75 - 125	1.02	4.53	20	
Lead	0.186	mg/L	E200.8	0.000125	0.00200	0.2000	0	92.9	75 - 125	0.186	0.133	20	
Manganese	0.191	mg/L	E200.8	0.000560	0.00200	0.2000	0.002	94.7	75 - 125	0.203	5.83	20	
Molybdenum	0.212	mg/L	E200.8	0.000202	0.00200	0.2000	0.000617	106	75 - 125	0.212	0.192	20	
Nickel	0.194	mg/L	E200.8	0.000522	0.00200	0.2000	0.00182	96.3	75 - 125	0.203	4.40	20	
Selenium	0.441	mg/L	E200.8	0.000310	0.00200	0.2000	0.244	98.5	75 - 125	0.438	0.687	20	
Silver	0.183	mg/L	E200.8	0.000132	0.00200	0.2000	0	91.4	75 - 125	0.183	0.0476	20	
Thallium	0.185	mg/L	E200.8	0.0000500	0.00200	0.2000	0	92.4	75 - 125	0.185	0.176	20	
Tin	1.04	mg/L	E200.8	0.000372	0.00200	1.000	0	104	75 - 125	1.04	0.218	20	
Uranium	0.225	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0225	101	75 - 125	0.224	0.165	20	



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604494
Project: 2nd Quarter Groundwater 2016

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: 1604494-009EMSD	Date Analyzed:	04/25/2016	1434h										
Test Code: 200.8-DIS	Date Prepared:	04/22/2016	1342h										
Zinc	1.01	mg/L	E200.8	0.00452	0.00500	1.000	0	101	75 - 125	1.07	6.30	20	
Lab Sample ID: 1604494-009EMSD	Date Analyzed:	04/26/2016	1403h										
Test Code: 200.8-DIS	Date Prepared:	04/22/2016	1342h										
Copper	0.182	mg/L	E200.8	0.000862	0.00200	0.2000	0	91.0	75 - 125	0.181	0.346	20	
Lab Sample ID: 1604494-001EMSD	Date Analyzed:	05/02/2016	1118h										
Test Code: HG-DW-DIS-245.1	Date Prepared:	04/29/2016	1515h										
Mercury	0.00343	mg/L	E245.1	0.00000559	0.000150	0.003330	0	103	85 - 115	0.0034	0.732	20	

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: 1604494
Project: 2nd Quarter Groundwater 2016

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: 1604494-001CDUP	Date Analyzed: 04/22/2016 1206h												
Test Code: TDS-W-2540C													
Total Dissolved Solids	1,540	mg/L	SM2540C	17.5	20.0					1420	8.37	5	@

@ - High RPD due to suspected sample non-homogeneity or matrix interference.



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604494
Project: 2nd Quarter Groundwater 2016

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-R89664													
Date Analyzed: 04/29/2016 1157h													
Test Code: 300.0-W													
Chloride	4.94	mg/L	E300.0	0.00516	0.100	5.000	0	98.8	90 - 110				
Lab Sample ID: LCS-R89469													
Date Analyzed: 04/25/2016 915h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	49,900	mg/L	SM2320B	0.504	1.00	50,000	0	99.8	90 - 110				
Lab Sample ID: LCS-42651													
Date Analyzed: 04/26/2016 1438h													
Test Code: NH3-W-350.1													
Date Prepared: 04/26/2016 1030h													
Ammonia (as N)	9.69	mg/L	E350.1	0.0185	0.0500	10.00	0	96.9	90 - 110				
Lab Sample ID: LCS-R89914													
Date Analyzed: 05/06/2016 1431h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.10	mg/L	E353.2	0.00833	0.0100	1.000	0	110	90 - 110				
Lab Sample ID: LCS-NO2R89995													
Date Analyzed: 05/10/2016 1009h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.03	mg/L	E353.2	0.00833	0.0100	1.000	0	103	90 - 110				
Lab Sample ID: LCS-R89995													
Date Analyzed: 05/10/2016 1010h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.970	mg/L	E353.2	0.00833	0.0100	1.000	0	97.0	90 - 110				
Lab Sample ID: LCS-R89492													
Date Analyzed: 04/22/2016 1206h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	214	mg/L	SM2540C	8.77	10.0	205.0	0	104	80 - 120				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604494
Project: 2nd Quarter Groundwater 2016

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-R89664	Date Analyzed:	04/29/2016	1140h										
Test Code:	300.0-W												
Chloride	< 0.100	mg/L	E300.0	0.00516	0.100								
Lab Sample ID: MB-R89469	Date Analyzed:	04/25/2016	915h										
Test Code:	ALK-W-2320B-LL												
Bicarbonate (as CaCO ₃)	< 1.00	mg/L	SM2320B	0.504	1.00								
Carbonate (as CaCO ₃)	< 1.00	mg/L	SM2320B	0.504	1.00								
Lab Sample ID: MB-42651	Date Analyzed:	04/26/2016	1437h										
Test Code:	NH3-W-350.1	Date Prepared:	04/26/2016 1030h										
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-R89914	Date Analyzed:	05/06/2016	1428h										
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-R89995	Date Analyzed:	05/10/2016	1007h										
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-R89492	Date Analyzed:	04/22/2016	1206h										
Test Code:	TDS-W-2540C												
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604494
Project: 2nd Quarter Groundwater 2016

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: 1604494-007BMS		Date Analyzed: 04/29/2016 1740h											
Test Code: 300.0-W													
Chloride	10,100	mg/L	E300.0	10.3	200	10,000	121	100	90 - 110				
Fluoride	10,200	mg/L	E300.0	27.8	200	10,000	0	102	90 - 110				
Sulfate	12,300	mg/L	E300.0	40.2	1,500	10,000	2350	99.9	90 - 110				
Lab Sample ID: 1604494-005BMS		Date Analyzed: 04/25/2016 915h											
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	237	mg/L	SM2320B	0.504	1.00	50.00	189	96.4	80 - 120				
Lab Sample ID: 1604494-001DMS		Date Analyzed: 04/26/2016 1453h											
Test Code: NH3-W-350.1		Date Prepared: 04/26/2016 1030h											
Ammonia (as N)	12.9	mg/L	E350.1	0.0206	0.0556	11.11	0	116	90 - 110				
Lab Sample ID: 1604494-001DMS		Date Analyzed: 05/06/2016 1433h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	9.93	mg/L	E353.2	0.0833	0.100	10.00	0.185	97.4	90 - 110				
Lab Sample ID: 1604494-009DMS		Date Analyzed: 05/10/2016 1059h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	9.71	mg/L	E353.2	0.0833	0.100	10.00	0.136	95.8	90 - 110				

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: 1604494
Project: 2nd Quarter Groundwater 2016

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: 1604494-007BMSD Date Analyzed: 04/29/2016 1757h													
Test Code: 300.0-W													
Chloride	10,300	mg/L	E300.0	10.3	200	10,000	121	101	90 - 110	10100	1.38	20	
Fluoride	10,200	mg/L	E300.0	27.8	200	10,000	0	102	90 - 110	10200	0.447	20	
Sulfate	12,400	mg/L	E300.0	40.2	1,500	10,000	2350	100	90 - 110	12300	0.237	20	
Lab Sample ID: 1604494-005BMSD Date Analyzed: 04/25/2016 915h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	236	mg/L	SM2320B	0.504	1.00	50.00	189	94.6	80 - 120	237	0.380	10	
Lab Sample ID: 1604494-001DMSD Date Analyzed: 04/26/2016 1454h													
Test Code: NH3-W-350.1 Date Prepared: 04/26/2016 1030h													
Ammonia (as N)	12.8	mg/L	E350.1	0.0206	0.0556	11.11	0	115	90 - 110	12.9	1.19	10	†
Lab Sample ID: 1604494-001DMSD Date Analyzed: 05/06/2016 1435h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	10.2	mg/L	E353.2	0.0833	0.100	10.00	0.185	100	90 - 110	9.93	2.61	10	
Lab Sample ID: 1604494-009DMSD Date Analyzed: 05/10/2016 1043h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	9.84	mg/L	E353.2	0.0833	0.100	10.00	0.136	97.0	90 - 110	9.71	1.29	10	

† - 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: 1604494
Project: 2nd Quarter Groundwater 2016

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 042516A	Date Analyzed:		04/25/2016 1125h										
Test Code: 8260-W-DEN100													
Benzene	20.7	µg/L	SW8260C	0.270	1.00	20.00	0	104	82 - 132				
Chloroform	21.2	µg/L	SW8260C	0.153	1.00	20.00	0	106	85 - 124				
Methylene chloride	21.0	µg/L	SW8260C	0.172	1.00	20.00	0	105	81 - 135				
Naphthalene	17.3	µg/L	SW8260C	0.587	1.00	20.00	0	86.5	63 - 129				
Tetrahydrofuran	19.8	µg/L	SW8260C	0.516	1.00	20.00	0	99.2	59 - 120				
Toluene	19.4	µg/L	SW8260C	0.183	1.00	20.00	0	96.8	78 - 130				
Xylenes, Total	60.6	µg/L	SW8260C	0.857	1.00	60.00	0	101	70 - 138				
Surr: 1,2-Dichloroethane-d4	58.2	µg/L	SW8260C			50.00		116	80 - 122				
Surr: 4-Bromofluorobenzene	49.6	µg/L	SW8260C			50.00		99.2	85 - 121				
Surr: Dibromofluoromethane	52.8	µg/L	SW8260C			50.00		106	80 - 116				
Surr: Toluene-d8	49.0	µg/L	SW8260C			50.00		97.9	81 - 123				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604494
Project: 2nd Quarter Groundwater 2016

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 042516A		Date Analyzed: 04/25/2016 1204h											
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	57.9	µg/L	SW8260C			50.00		116	80 - 122				
Surr: 4-Bromofluorobenzene	52.4	µg/L	SW8260C			50.00		105	85 - 121				
Surr: Dibromofluoromethane	51.4	µg/L	SW8260C			50.00		103	80 - 116				
Surr: Toluene-d8	47.7	µg/L	SW8260C			50.00		95.4	81 - 123				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604494
Project: 2nd Quarter Groundwater 2016

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: 1604494-001AMS		Date Analyzed: 04/25/2016 1558h											
Test Code: 8260-W-DEN100													
Benzene	18.0	µg/L	SW8260C	0.270	1.00	20.00	0	89.9	66 - 145				
Chloroform	19.2	µg/L	SW8260C	0.153	1.00	20.00	0	95.8	50 - 146				
Methylene chloride	18.0	µg/L	SW8260C	0.172	1.00	20.00	0	90.0	30 - 192				
Naphthalene	14.8	µg/L	SW8260C	0.587	1.00	20.00	0	74.0	41 - 131				
Tetrahydrofuran	22.0	µg/L	SW8260C	0.516	1.00	20.00	0	110	43 - 146				
Toluene	16.6	µg/L	SW8260C	0.183	1.00	20.00	0	83.2	18 - 192				
Xylenes, Total	51.6	µg/L	SW8260C	0.857	1.00	60.00	0	86.0	42 - 167				
Surr: 1,2-Dichloroethane-d4	59.0	µg/L	SW8260C			50.00		118	72 - 151				
Surr: 4-Bromofluorobenzene	48.2	µg/L	SW8260C			50.00		96.4	80 - 152				
Surr: Dibromofluoromethane	51.5	µg/L	SW8260C			50.00		103	80 - 124				
Surr: Toluene-d8	47.0	µg/L	SW8260C			50.00		93.9	77 - 129				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604494
Project: 2nd Quarter Groundwater 2016

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: 1604494-001AMSD		Date Analyzed: 04/25/2016 1618h											
Test Code: 8260-W-DEN100													
Benzene	19.5	µg/L	SW8260C	0.270	1.00	20.00	0	97.6	66 - 145	18	8.16	25	
Chloroform	20.6	µg/L	SW8260C	0.153	1.00	20.00	0	103	50 - 146	19.2	7.34	25	
Methylene chloride	20.0	µg/L	SW8260C	0.172	1.00	20.00	0	100	30 - 192	18	10.5	25	
Naphthalene	17.0	µg/L	SW8260C	0.587	1.00	20.00	0	84.8	41 - 131	14.8	13.6	25	
Tetrahydrofuran	25.2	µg/L	SW8260C	0.516	1.00	20.00	0	126	43 - 146	22	13.8	25	
Toluene	18.6	µg/L	SW8260C	0.183	1.00	20.00	0	92.9	18 - 192	16.6	11.0	25	
Xylenes, Total	58.5	µg/L	SW8260C	0.857	1.00	60.00	0	97.4	42 - 167	51.6	12.5	25	
Surr: 1,2-Dichloroethane-d4	60.1	µg/L	SW8260C			50.00		120	72 - 151				
Surr: 4-Bromofluorobenzene	48.9	µg/L	SW8260C			50.00		97.8	80 - 152				
Surr: Dibromofluoromethane	52.3	µg/L	SW8260C			50.00		105	80 - 124				
Surr: Toluene-d8	48.6	µg/L	SW8260C			50.00		97.2	77 - 129				

WORK ORDER Summary

Work Order: **1604494** Page 1 of 7

Client: Energy Fuels Resources, Inc.

Due Date: 5/6/2016

Client ID: DEN100

Contact: Garrin Palmer

Project: 2nd Quarter Groundwater 2016

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: Run NO2/NO3 as a 10X. 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	
1604494-001A	MW-01_04202016	4/20/2016 0955h	4/22/2016 1045h	8260-W-DEN100	Aqueous	<input checked="" type="checkbox"/>	VOCFridge	3
				<i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>				
1604494-001B				300.0-W		<input checked="" type="checkbox"/>	df - wc	1
				<i>3 SEL Analytes: CL F SO4</i>				
				ALK-W-2320B-LL		<input checked="" type="checkbox"/>	df - wc	
				<i>2 SEL Analytes: ALKB ALKC</i>				
1604494-001C				TDS-W-2540C		<input checked="" type="checkbox"/>	ww - tds	
				<i>1 SEL Analytes: TDS</i>				
1604494-001D				NH3-W-350.1		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
				<i>1 SEL Analytes: NH3N</i>				
				NH3-W-PR		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
				<i>1 SEL Analytes: NO3NO2N</i>				
1604494-001E				200.7-DIS		<input checked="" type="checkbox"/>	df-met	
				<i>5 SEL Analytes: CA MG K NA V</i>				
				200.7-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				200.8-DIS		<input checked="" type="checkbox"/>	df-met	
				<i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>				
				200.8-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				HG-DW-DIS-245.1		<input checked="" type="checkbox"/>	df-met	
				<i>1 SEL Analytes: HG</i>				
				HG-DW-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				IONBALANCE		<input checked="" type="checkbox"/>	df-met	
				<i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>				
1604494-002A	MW-05_04212016	4/21/2016 0950h	4/22/2016 1045h	8260-W-DEN100	Aqueous	<input checked="" type="checkbox"/>	VOCFridge	3
				<i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>				
1604494-002B				300.0-W		<input checked="" type="checkbox"/>	df - wc	1
				<i>3 SEL Analytes: CL F SO4</i>				
				ALK-W-2320B-LL		<input checked="" type="checkbox"/>	df - wc	
				<i>2 SEL Analytes: ALKB ALKC</i>				

WORK ORDER Summary

Work Order: **1604494** Page 3 of 7

Client: Energy Fuels Resources, Inc.

Due Date: 5/6/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1604494-003E	MW-12_04212016	4/21/2016 0850h	4/22/2016 1045h	HG-DW-DIS-245.1 <i>1 SEL Analytes: HG</i>	Aqueous	<input checked="" type="checkbox"/>	df-met	1
				HG-DW-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				IONBALANCE <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>		<input checked="" type="checkbox"/>	df-met	
1604494-004A	MW-18_04192016	4/19/2016 1335h	4/22/2016 1045h	8260-W-DEN100 <i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>	Aqueous	<input checked="" type="checkbox"/>	VOCFridge	3
1604494-004B				300.0-W <i>3 SEL Analytes: CL F SO4</i>		<input checked="" type="checkbox"/>	df - wc	1
				ALK-W-2320B-LL <i>2 SEL Analytes: ALKB ALKC</i>		<input checked="" type="checkbox"/>	df - wc	
1604494-004C				TDS-W-2540C <i>1 SEL Analytes: TDS</i>		<input checked="" type="checkbox"/>	ww - tds	
1604494-004D				NH3-W-350.1 <i>1 SEL Analytes: NH3N</i>		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
				NH3-W-PR		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
1604494-004E				200.7-DIS <i>5 SEL Analytes: CA MG K NA V</i>		<input checked="" type="checkbox"/>	df-met	
				200.7-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				200.8-DIS <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>		<input checked="" type="checkbox"/>	df-met	
				200.8-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				HG-DW-DIS-245.1 <i>1 SEL Analytes: HG</i>		<input checked="" type="checkbox"/>	df-met	
				HG-DW-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				IONBALANCE <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>		<input checked="" type="checkbox"/>	df-met	
1604494-005A	MW-19_04192016	4/19/2016 1550h	4/22/2016 1045h	8260-W-DEN100 <i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>	Aqueous	<input checked="" type="checkbox"/>	VOCFridge	3
1604494-005B				300.0-W <i>3 SEL Analytes: CL F SO4</i>		<input checked="" type="checkbox"/>	df - wc	1
				ALK-W-2320B-LL <i>2 SEL Analytes: ALKB ALKC</i>		<input checked="" type="checkbox"/>	df - wc	
1604494-005C				TDS-W-2540C <i>1 SEL Analytes: TDS</i>		<input checked="" type="checkbox"/>	ww - tds	

WORK ORDER Summary

Work Order: **1604494** Page 4 of 7

Client: Energy Fuels Resources, Inc.

Due Date: 5/6/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1604494-005D	MW-19_04192016	4/19/2016 1550h	4/22/2016 1045h	NH3-W-350.1 <i>1 SEL Analytes: NH3N</i>	Aqueous	<input checked="" type="checkbox"/>	df - no2/no3 & nh3	1
				NH3-W-PR		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
1604494-005E				200.7-DIS <i>5 SEL Analytes: CA MG K NA V</i>		<input checked="" type="checkbox"/>	df-met	
				200.7-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				200.8-DIS <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>		<input checked="" type="checkbox"/>	df-met	
				200.8-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				HG-DW-DIS-245.1 <i>1 SEL Analytes: HG</i>		<input checked="" type="checkbox"/>	df-met	
				HG-DW-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				IONBALANCE <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>		<input checked="" type="checkbox"/>	df-met	
1604494-006A	MW-27_04202016	4/20/2016 1050h	4/22/2016 1045h	8260-W-DEN100 <i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>	Aqueous	<input checked="" type="checkbox"/>	VOCFridge	3
1604494-006B				300.0-W <i>3 SEL Analytes: CL F SO4</i>		<input checked="" type="checkbox"/>	df - wc	1
				ALK-W-2320B-LL <i>2 SEL Analytes: ALKB ALKC</i>		<input checked="" type="checkbox"/>	df - wc	
1604494-006C				TDS-W-2540C <i>1 SEL Analytes: TDS</i>		<input checked="" type="checkbox"/>	ww - tds	
1604494-006D				NH3-W-350.1 <i>1 SEL Analytes: NH3N</i>		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
				NH3-W-PR		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
1604494-006E				200.7-DIS <i>5 SEL Analytes: CA MG K NA V</i>		<input checked="" type="checkbox"/>	df-met	
				200.7-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				200.8-DIS <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>		<input checked="" type="checkbox"/>	df-met	
				200.8-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				HG-DW-DIS-245.1 <i>1 SEL Analytes: HG</i>		<input checked="" type="checkbox"/>	df-met	

WORK ORDER Summary

Client: Energy Fuels Resources, Inc.

Due Date: 5/6/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1604494-006E	MW-27_04202016	4/20/2016 1050h	4/22/2016 1045h	HG-DW-DIS-PR	Aqueous	<input checked="" type="checkbox"/>	df-met	1
				IONBALANCE		<input checked="" type="checkbox"/>	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1604494-007A	MW-28_04202016	4/20/2016 1440h	4/22/2016 1045h	8260-W-DEN100	Aqueous	<input checked="" type="checkbox"/>	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1604494-007B				300.0-W		<input checked="" type="checkbox"/>	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		<input checked="" type="checkbox"/>	df - wc	
				2 SEL Analytes: ALKB ALKC				
1604494-007C				TDS-W-2540C		<input checked="" type="checkbox"/>	ww - tds	
				1 SEL Analytes: TDS				
1604494-007D				NH3-W-350.1		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1604494-007E				200.7-DIS		<input checked="" type="checkbox"/>	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				200.8-DIS		<input checked="" type="checkbox"/>	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				HG-DW-DIS-245.1		<input checked="" type="checkbox"/>	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				IONBALANCE		<input checked="" type="checkbox"/>	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1604494-008A	MW-32_04202016	4/20/2016 1545h	4/22/2016 1045h	8260-W-DEN100	Aqueous	<input checked="" type="checkbox"/>	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1604494-008B				300.0-W		<input checked="" type="checkbox"/>	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		<input checked="" type="checkbox"/>	df - wc	
				2 SEL Analytes: ALKB ALKC				
1604494-008C				TDS-W-2540C		<input checked="" type="checkbox"/>	ww - tds	
				1 SEL Analytes: TDS				
1604494-008D				NH3-W-350.1		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	

WORK ORDER Summary

Work Order: **1604494** Page 7 of 7

Client: Energy Fuels Resources, Inc.

Due Date: 5/6/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1604494-010A	Trip Blank	4/19/2016	4/22/2016 1045h	8260-W-DEN100	Aqueous	<input checked="" type="checkbox"/>	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 (POL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1604494
 AWAL Lab Sample Set #
 Page 1 of 1

Client: **Energy Fuels Resources, Inc.**
 Address: **6425 S. Hwy. 191**
Blanding, UT 84511
 Contact: **Garrin Palmer**
 Phone #: **(435) 678-2221** Cell #:
 Email: **gpalmer@energyfuels.com; kweisel@energyfuels.com; dturk@energyfuels.com**
 Project Name: **2nd Quarter Groundwater 2016**
 Project #:
 PO #:
 Sampler Name: **Tanner Holliday**

QC Level:		Turn Around Time:		Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.		Due Date:								
3		Standard												
Sample ID	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Calc/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Ti, Sn, U, V, Zn, Na, K, Mg, Ca	Iron Balance	VOCs (8260C)	Known Hazards & Sample Comments
1 MW-01_04202016	4/20/2016	955	7	W	x	x	x	x	x	x	x	x	x	
2 MW-05_04212016	4/21/2016	950	7	W	x	x	x	x	x	x	x	x	x	
3 MW-12_04212016	4/21/2016	850	7	W	x	x	x	x	x	x	x	x	x	
4 MW-18_04192016	4/19/2016	1335	7	W	x	x	x	x	x	x	x	x	x	
5 MW-19_04192016	4/19/2016	1550	7	W	x	x	x	x	x	x	x	x	x	
6 MW-27_04202016	4/20/2016	1050	7	W	x	x	x	x	x	x	x	x	x	
7 MW-28_04202016	4/20/2016	1440	7	W	x	x	x	x	x	x	x	x	x	
8 MW-32_04202016	4/20/2016	1545	7	W	x	x	x	x	x	x	x	x	x	
9 MW-36_04202016	4/20/2016	1610	7	W	x	x	x	x	x	x	x	x	x	
10 Trip Blank	4/19/2016		3	W									x	
11 Temp Blank			1	W										
12														

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:

Laboratory Use Only
 Sampled War: Fed X
 1 Shipped or hand delivered
 2 Ambient or Chilled
 3 Temperature 0.8°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)

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 <i>Garrin Palmer</i>	Date: 4-21-16	Received by: Signature <i>Elma Hufsch</i>	Date: 4-22-16
Print Name: Garrin Palmer	Time: 1238	Print Name: Elma Hufsch	Time: 1045
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.

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7	8	9									
Ammonia	pH <2 H ₂ SO ₄	yes																	
COD	pH <2 H ₂ SO ₄																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO ₃	yes																	
NO ₂ & NO ₃	pH <2 H ₂ SO ₄	yes																	
O & G	pH <2 HCL																		
Phenols	pH <2 H ₂ SO ₄																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H ₂ SO ₄																		
T PO ₄	pH <2 H ₂ SO 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.



Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: 2nd Quarter Groundwater 2016

Dear Garrin Palmer:

Lab Set ID: 1604654

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

American West Analytical Laboratories received sample(s) on 4/29/2016 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.

This is a revision to a report originally issued 5/23/2016. Pages 1-5 and 35 have been revised. The Collection Date has been revised.

Thank You,

Kyle F.	Digitally signed
Gross	by Kyle F. Gross
	Date:
	2016.05.23
	15:36:06 -06'00'

Approved by:

Laboratory Director or designee

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



REVISED SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1604654
Date Received: 4/29/2016 1015h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis	
3440 South 700 West Salt Lake City, UT 84119	1604654-001A	MW-02_04262016	4/26/2016 1515h	Aqueous	VOA by GC/MS Method 8260C/5030C
	1604654-001B	MW-02_04262016	4/26/2016 1515h	Aqueous	Anions, E300.0
	1604654-001B	MW-02_04262016	4/26/2016 1515h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
Phone: (801) 263-8686	1604654-001C	MW-02_04262016	4/26/2016 1515h	Aqueous	Total Dissolved Solids, A2540C
Toll Free: (888) 263-8686	1604654-001D	MW-02_04262016	4/26/2016 1515h	Aqueous	Nitrite/Nitrate (as N), E353.2
Fax: (801) 263-8687	1604654-001D	MW-02_04262016	4/26/2016 1515h	Aqueous	Ammonia, Aqueous
e-mail: awal@awal-labs.com	1604654-001E	MW-02_04262016	4/26/2016 1515h	Aqueous	Ion Balance
	1604654-001E	MW-02_04262016	4/26/2016 1515h	Aqueous	ICP Metals, Dissolved
web: www.awal-labs.com	1604654-001E	MW-02_04262016	4/26/2016 1515h	Aqueous	ICPMS Metals, Dissolved
	1604654-001E	MW-02_04262016	4/26/2016 1515h	Aqueous	Mercury, Drinking Water Dissolved
Kyle F. Gross Laboratory Director	1604654-002A	MW-03_04262016	4/26/2016 1240h	Aqueous	VOA by GC/MS Method 8260C/5030C
	1604654-002B	MW-03_04262016	4/26/2016 1240h	Aqueous	Anions, E300.0
	1604654-002B	MW-03_04262016	4/26/2016 1240h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
Jose Rocha QA Officer	1604654-002C	MW-03_04262016	4/26/2016 1240h	Aqueous	Total Dissolved Solids, A2540C
	1604654-002D	MW-03_04262016	4/26/2016 1240h	Aqueous	Nitrite/Nitrate (as N), E353.2
	1604654-002D	MW-03_04262016	4/26/2016 1240h	Aqueous	Ammonia, Aqueous
	1604654-002E	MW-03_04262016	4/26/2016 1240h	Aqueous	Ion Balance
	1604654-002E	MW-03_04262016	4/26/2016 1240h	Aqueous	ICP Metals, Dissolved
	1604654-002E	MW-03_04262016	4/26/2016 1240h	Aqueous	ICPMS Metals, Dissolved
	1604654-002E	MW-03_04262016	4/26/2016 1240h	Aqueous	Mercury, Drinking Water Dissolved
	1604654-003A	MW-03A_04272016	4/27/2016 710h	Aqueous	VOA by GC/MS Method 8260C/5030C
	1604654-003B	MW-03A_04272016	4/27/2016 710h	Aqueous	Anions, E300.0
	1604654-003B	MW-03A_04272016	4/27/2016 710h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
	1604654-003C	MW-03A_04272016	4/27/2016 710h	Aqueous	Total Dissolved Solids, A2540C
	1604654-003D	MW-03A_04272016	4/27/2016 710h	Aqueous	Nitrite/Nitrate (as N), E353.2
	1604654-003D	MW-03A_04272016	4/27/2016 710h	Aqueous	Ammonia, Aqueous
	1604654-003E	MW-03A_04272016	4/27/2016 710h	Aqueous	Ion Balance
	1604654-003E	MW-03A_04272016	4/27/2016 710h	Aqueous	ICP Metals, Dissolved
	1604654-003E	MW-03A_04272016	4/27/2016 710h	Aqueous	ICPMS Metals, Dissolved



Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1604654
Date Received: 4/29/2016 1015h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1604654-003E	MW-03A_04272016	4/27/2016 710h	Aqueous	Mercury, Drinking Water Dissolved
1604654-004A	MW-15_04272016	4/27/2016 1050h	Aqueous	VOA by GC/MS Method 8260C/5030C
1604654-004B	MW-15_04272016	4/27/2016 1050h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1604654-004B	MW-15_04272016	4/27/2016 1050h	Aqueous	Anions, E300.0
1604654-004C	MW-15_04272016	4/27/2016 1050h	Aqueous	Total Dissolved Solids, A2540C
1604654-004D	MW-15_04272016	4/27/2016 1050h	Aqueous	Ammonia, Aqueous
1604654-004D	MW-15_04272016	4/27/2016 1050h	Aqueous	Nitrite/Nitrate (as N), E353.2
1604654-004E	MW-15_04272016	4/27/2016 1050h	Aqueous	Ion Balance
1604654-004E	MW-15_04272016	4/27/2016 1050h	Aqueous	ICP Metals, Dissolved
1604654-004E	MW-15_04272016	4/27/2016 1050h	Aqueous	ICPMS Metals, Dissolved
1604654-004E	MW-15_04272016	4/27/2016 1050h	Aqueous	Mercury, Drinking Water Dissolved
1604654-005A	MW-17_04262016	4/26/2016 1055h	Aqueous	VOA by GC/MS Method 8260C/5030C
1604654-005B	MW-17_04262016	4/26/2016 1055h	Aqueous	Anions, E300.0
1604654-005B	MW-17_04262016	4/26/2016 1055h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1604654-005C	MW-17_04262016	4/26/2016 1055h	Aqueous	Total Dissolved Solids, A2540C
1604654-005D	MW-17_04262016	4/26/2016 1055h	Aqueous	Ammonia, Aqueous
1604654-005D	MW-17_04262016	4/26/2016 1055h	Aqueous	Nitrite/Nitrate (as N), E353.2
1604654-005E	MW-17_04262016	4/26/2016 1055h	Aqueous	Ion Balance
1604654-005E	MW-17_04262016	4/26/2016 1055h	Aqueous	ICP Metals, Dissolved
1604654-005E	MW-17_04262016	4/26/2016 1055h	Aqueous	ICPMS Metals, Dissolved
1604654-005E	MW-17_04262016	4/26/2016 1055h	Aqueous	Mercury, Drinking Water Dissolved
1604654-006A	MW-22_04262016	4/26/2016 1200h	Aqueous	VOA by GC/MS Method 8260C/5030C
1604654-006B	MW-22_04262016	4/26/2016 1200h	Aqueous	Anions, E300.0
1604654-006B	MW-22_04262016	4/26/2016 1200h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1604654-006C	MW-22_04262016	4/26/2016 1200h	Aqueous	Total Dissolved Solids, A2540C
1604654-006D	MW-22_04262016	4/26/2016 1200h	Aqueous	Ammonia, Aqueous
1604654-006D	MW-22_04262016	4/26/2016 1200h	Aqueous	Nitrite/Nitrate (as N), E353.2
1604654-006E	MW-22_04262016	4/26/2016 1200h	Aqueous	Mercury, Drinking Water Dissolved
1604654-006E	MW-22_04262016	4/26/2016 1200h	Aqueous	ICPMS Metals, Dissolved
1604654-006E	MW-22_04262016	4/26/2016 1200h	Aqueous	Ion Balance

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 web: www.awal-labs.com

Kyle F. Gross
 Laboratory Director

 Jose Rocha
 QA Officer



Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1604654
Date Received: 4/29/2016 1015h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1604654-006E	MW-22_04262016	4/26/2016 1200h	Aqueous	ICP Metals, Dissolved
1604654-007A	MW-24_04282016	4/28/2016 755h	Aqueous	VOA by GC/MS Method 8260C/5030C
1604654-007B	MW-24_04282016	4/28/2016 755h	Aqueous	Anions, E300.0
1604654-007B	MW-24_04282016	4/28/2016 755h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1604654-007C	MW-24_04282016	4/28/2016 755h	Aqueous	Total Dissolved Solids, A2540C
1604654-007D	MW-24_04282016	4/28/2016 755h	Aqueous	Nitrite/Nitrate (as N), E353.2
1604654-007D	MW-24_04282016	4/28/2016 755h	Aqueous	Ammonia, Aqueous
1604654-007E	MW-24_04282016	4/28/2016 755h	Aqueous	ICP Metals, Dissolved
1604654-007E	MW-24_04282016	4/28/2016 755h	Aqueous	ICPMS Metals, Dissolved
1604654-007E	MW-24_04282016	4/28/2016 755h	Aqueous	Mercury, Drinking Water Dissolved
1604654-007E	MW-24_04282016	4/28/2016 755h	Aqueous	Ion Balance
1604654-008A	MW-29_04272016	4/27/2016 1035h	Aqueous	VOA by GC/MS Method 8260C/5030C
1604654-008B	MW-29_04272016	4/27/2016 1035h	Aqueous	Anions, E300.0
1604654-008B	MW-29_04272016	4/27/2016 1035h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1604654-008C	MW-29_04272016	4/27/2016 1035h	Aqueous	Total Dissolved Solids, A2540C
1604654-008D	MW-29_04272016	4/27/2016 1035h	Aqueous	Nitrite/Nitrate (as N), E353.2
1604654-008D	MW-29_04272016	4/27/2016 1035h	Aqueous	Ammonia, Aqueous
1604654-008E	MW-29_04272016	4/27/2016 1035h	Aqueous	ICPMS Metals, Dissolved
1604654-008E	MW-29_04272016	4/27/2016 1035h	Aqueous	Mercury, Drinking Water Dissolved
1604654-008E	MW-29_04272016	4/27/2016 1035h	Aqueous	ICP Metals, Dissolved
1604654-008E	MW-29_04272016	4/27/2016 1035h	Aqueous	Ion Balance
1604654-009A	MW-65_04272016	4/27/2016 1050h	Aqueous	VOA by GC/MS Method 8260C/5030C
1604654-009B	MW-65_04272016	4/27/2016 1050h	Aqueous	Anions, E300.0
1604654-009B	MW-65_04272016	4/27/2016 1050h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1604654-009C	MW-65_04272016	4/27/2016 1050h	Aqueous	Total Dissolved Solids, A2540C
1604654-009D	MW-65_04272016	4/27/2016 1050h	Aqueous	Nitrite/Nitrate (as N), E353.2
1604654-009D	MW-65_04272016	4/27/2016 1050h	Aqueous	Ammonia, Aqueous
1604654-009E	MW-65_04272016	4/27/2016 1050h	Aqueous	Ion Balance
1604654-009E	MW-65_04272016	4/27/2016 1050h	Aqueous	ICP Metals, Dissolved
1604654-009E	MW-65_04272016	4/27/2016 1050h	Aqueous	ICPMS Metals, Dissolved
1604654-009E	MW-65_04272016	4/27/2016 1050h	Aqueous	Mercury, Drinking Water Dissolved



Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1604654
Date Received: 4/29/2016 1015h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1604654-010A	Trip Blank	4/26/2016	Aqueous	VOA by GC/MS Method 8260C/5030C

3440 South 700 West
Salt Lake City, UT 84119

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1604654

Sample Receipt Information:

Date of Receipt: 4/29/2016
Date of Collection: 4/26-4/28/2016
Sample Condition: Intact
C-O-C Discrepancies: None

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions:

Sample ID	Analyte	QC	Explanation
1604654-001E	Calcium	MS/MSD	High analyte concentration
1604654-001E	Magnesium	MS/MSD	High analyte concentration
1604654-001E	Sodium	MS/MSD	High analyte concentration

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits, with the following exceptions: the RPD for Total Dissolved Solids on sample 1604654-006C was outside of the control limits due to suspected sample non-homogeneity or matrix interference.

Corrective Action: None required.

3440 South 700 West
Salt Lake City, UT 84119

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



Volatile Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1604654

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Sample Receipt Information:

Date of Receipt: 4/29/2016
Date of Collection: 4/26-4/28/2016
Sample Condition: Intact
C-O-C Discrepancies: None
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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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604654
Project: 2nd Quarter Groundwater 2016

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-42749													
Date Analyzed:		05/05/2016 1046h											
Test Code:		200.7-DIS											
Date Prepared:		04/29/2016 1220h											
Calcium	10.3	mg/L	E200.7	0.0579	1.00	10.00	0	103	85 - 115				
Magnesium	10.5	mg/L	E200.7	0.0495	1.00	10.00	0	105	85 - 115				
Potassium	10.6	mg/L	E200.7	0.121	1.00	10.00	0	106	85 - 115				
Sodium	10.8	mg/L	E200.7	0.0125	1.00	10.00	0	108	85 - 115				
Vanadium	0.199	mg/L	E200.7	0.000750	0.00500	0.2000	0	99.3	85 - 115				
Lab Sample ID: LCS-42750													
Date Analyzed:		05/04/2016 1139h											
Test Code:		200.8-DIS											
Date Prepared:		04/29/2016 1220h											
Arsenic	0.214	mg/L	E200.8	0.000540	0.00200	0.2000	0	107	85 - 115				
Beryllium	0.207	mg/L	E200.8	0.000177	0.00200	0.2000	0	104	85 - 115				
Cadmium	0.203	mg/L	E200.8	0.0000666	0.000500	0.2000	0	102	85 - 115				
Chromium	0.203	mg/L	E200.8	0.000998	0.00200	0.2000	0	101	85 - 115				
Cobalt	0.199	mg/L	E200.8	0.0000990	0.00400	0.2000	0	99.7	85 - 115				
Copper	0.199	mg/L	E200.8	0.000862	0.00200	0.2000	0	99.7	85 - 115				
Iron	1.03	mg/L	E200.8	0.0274	0.100	1.000	0	103	85 - 115				
Lead	0.198	mg/L	E200.8	0.000125	0.00200	0.2000	0	98.9	85 - 115				
Manganese	0.205	mg/L	E200.8	0.000560	0.00200	0.2000	0	103	85 - 115				
Molybdenum	0.205	mg/L	E200.8	0.000202	0.00200	0.2000	0	102	85 - 115				
Nickel	0.203	mg/L	E200.8	0.000522	0.00200	0.2000	0	102	85 - 115				
Selenium	0.215	mg/L	E200.8	0.000310	0.00200	0.2000	0	107	85 - 115				
Silver	0.200	mg/L	E200.8	0.000132	0.00200	0.2000	0	99.9	85 - 115				
Thallium	0.197	mg/L	E200.8	0.0000500	0.00200	0.2000	0	98.3	85 - 115				
Tin	1.02	mg/L	E200.8	0.000372	0.00200	1.000	0	102	85 - 115				
Uranium	0.201	mg/L	E200.8	0.0000710	0.00200	0.2000	0	101	85 - 115				
Zinc	1.02	mg/L	E200.8	0.00452	0.00500	1.000	0	102	85 - 115				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
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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-42850	Date Analyzed:	05/09/2016	851h										
Test Code: HG-DW-DIS-245.1	Date Prepared:	05/04/2016	1630h										
Mercury	0.00341	mg/L	E245.1	0.00000559	0.000150	0.003330	0	102	85 - 115				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604654
Project: 2nd Quarter Groundwater 2016

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-42749													
Date Analyzed: 05/05/2016 1044h													
Test Code: 200.7-DIS													
Date Prepared: 04/29/2016 1220h													
Calcium	< 1.00	mg/L	E200.7	0.0579	1.00								
Magnesium	< 1.00	mg/L	E200.7	0.0495	1.00								
Potassium	< 1.00	mg/L	E200.7	0.121	1.00								
Sodium	< 1.00	mg/L	E200.7	0.0125	1.00								
Vanadium	< 0.00500	mg/L	E200.7	0.000750	0.00500								
Lab Sample ID: MB-42750													
Date Analyzed: 05/04/2016 1136h													
Test Code: 200.8-DIS													
Date Prepared: 04/29/2016 1220h													
Arsenic	< 0.00200	mg/L	E200.8	0.000540	0.00200								
Cadmium	< 0.000500	mg/L	E200.8	0.0000666	0.000500								
Chromium	< 0.00200	mg/L	E200.8	0.000998	0.00200								
Cobalt	< 0.00400	mg/L	E200.8	0.0000990	0.00400								
Copper	< 0.00200	mg/L	E200.8	0.000862	0.00200								
Manganese	< 0.00200	mg/L	E200.8	0.000560	0.00200								
Molybdenum	< 0.00200	mg/L	E200.8	0.000202	0.00200								
Nickel	< 0.00200	mg/L	E200.8	0.000522	0.00200								
Selenium	< 0.00200	mg/L	E200.8	0.000310	0.00200								
Silver	< 0.00200	mg/L	E200.8	0.000132	0.00200								
Tin	< 0.00200	mg/L	E200.8	0.000372	0.00200								
Zinc	< 0.00500	mg/L	E200.8	0.00452	0.00500								
Lab Sample ID: MB-42750													
Date Analyzed: 05/04/2016 1301h													
Test Code: 200.8-DIS													
Date Prepared: 04/29/2016 1220h													
Beryllium	< 0.000500	mg/L	E200.8	0.0000443	0.000500								
Iron	< 0.0250	mg/L	E200.8	0.00685	0.0250								
Lead	< 0.000500	mg/L	E200.8	0.0000312	0.000500								
Thallium	< 0.000500	mg/L	E200.8	0.0000125	0.000500								



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
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Project: 2nd Quarter Groundwater 2016

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-42750	Date Analyzed:	05/04/2016	1342h										
Test Code: 200.8-DIS	Date Prepared:	04/29/2016	1220h										
Uranium	< 0.000200	mg/L	E200.8	0.00000710	0.000200								
Lab Sample ID: MB-42850	Date Analyzed:	05/09/2016	849h										
Test Code: HG-DW-DIS-245.1	Date Prepared:	05/04/2016	1630h										
Mercury	< 0.000150	mg/L	E245.1	0.00000559	0.000150								



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604654
Project: 2nd Quarter Groundwater 2016

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: 1604654-001EMS													
Date Analyzed:		05/05/2016 1054h											
Test Code:		200.7-DIS											
Date Prepared:		04/29/2016 1220h											
Calcium	327	mg/L	E200.7	5.79	100	10.00	333	-66.2	70 - 130				2
Sodium	503	mg/L	E200.7	1.25	100	10.00	518	-147	70 - 130				2
Lab Sample ID: 1604654-001EMS													
Date Analyzed:		05/05/2016 1135h											
Test Code:		200.7-DIS											
Date Prepared:		04/29/2016 1220h											
Magnesium	99.1	mg/L	E200.7	0.495	10.0	10.00	93.9	52.8	70 - 130				2
Potassium	19.2	mg/L	E200.7	1.21	10.0	10.00	10.1	91.5	70 - 130				
Lab Sample ID: 1604654-001EMS													
Date Analyzed:		05/06/2016 941h											
Test Code:		200.7-DIS											
Date Prepared:		04/29/2016 1220h											
Vanadium	0.187	mg/L	E200.7	0.000750	0.00500	0.2000	0	93.3	70 - 130				
Lab Sample ID: 1604654-001EMS													
Date Analyzed:		05/04/2016 1152h											
Test Code:		200.8-DIS											
Date Prepared:		04/29/2016 1220h											
Arsenic	0.220	mg/L	E200.8	0.000540	0.00200	0.2000	0	110	75 - 125				
Beryllium	0.215	mg/L	E200.8	0.000177	0.00200	0.2000	0	107	75 - 125				
Cadmium	0.211	mg/L	E200.8	0.0000666	0.000500	0.2000	0.000129	105	75 - 125				
Chromium	0.193	mg/L	E200.8	0.000998	0.00200	0.2000	0	96.6	75 - 125				
Cobalt	0.191	mg/L	E200.8	0.0000990	0.00400	0.2000	0	95.4	75 - 125				
Copper	0.189	mg/L	E200.8	0.000862	0.00200	0.2000	0	94.5	75 - 125				
Iron	0.981	mg/L	E200.8	0.0274	0.100	1.000	0	98.1	75 - 125				
Lead	0.203	mg/L	E200.8	0.000125	0.00200	0.2000	0	101	75 - 125				
Manganese	0.195	mg/L	E200.8	0.000560	0.00200	0.2000	0	97.7	75 - 125				
Molybdenum	0.228	mg/L	E200.8	0.000202	0.00200	0.2000	0.00119	113	75 - 125				
Nickel	0.194	mg/L	E200.8	0.000522	0.00200	0.2000	0	96.8	75 - 125				
Selenium	0.216	mg/L	E200.8	0.000310	0.00200	0.2000	0.00689	105	75 - 125				
Silver	0.196	mg/L	E200.8	0.000132	0.00200	0.2000	0.0000744	97.7	75 - 125				
Thallium	0.201	mg/L	E200.8	0.0000500	0.00200	0.2000	0	101	75 - 125				
Tin	1.12	mg/L	E200.8	0.000372	0.00200	1.000	0	112	75 - 125				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604654
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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: 1604654-001EMS	Date Analyzed:	05/04/2016	1152h										
Test Code: 200.8-DIS	Date Prepared:	04/29/2016	1220h										
Uranium	0.221	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0105	105	75 - 125				
Zinc	1.00	mg/L	E200.8	0.00452	0.00500	1.000	0.00742	99.3	75 - 125				
Lab Sample ID: 1604654-001EMS	Date Analyzed:	05/09/2016	858h										
Test Code: HG-DW-DIS-245.1	Date Prepared:	05/04/2016	1630h										
Mercury	0.00335	mg/L	E245.1	0.00000559	0.000150	0.003330	0	101	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: 1604654
Project: 2nd Quarter Groundwater 2016

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: 1604654-001EMSD													
Date Analyzed:		05/05/2016 1056h											
Test Code:		200.7-DIS											
Date Prepared:		04/29/2016 1220h											
Calcium	337	mg/L	E200.7	5.79	100	10.00	333	38.4	70 - 130	327	3.15	20	±
Sodium	521	mg/L	E200.7	1.25	100	10.00	518	34.9	70 - 130	503	3.56	20	±
Lab Sample ID: 1604654-001EMSD													
Date Analyzed:		05/05/2016 1137h											
Test Code:		200.7-DIS											
Date Prepared:		04/29/2016 1220h											
Magnesium	99.6	mg/L	E200.7	0.495	10.0	10.00	93.9	57.8	70 - 130	99.1	0.503	20	±
Potassium	19.7	mg/L	E200.7	1.21	10.0	10.00	10.1	95.9	70 - 130	19.2	2.28	20	
Lab Sample ID: 1604654-001EMSD													
Date Analyzed:		05/06/2016 943h											
Test Code:		200.7-DIS											
Date Prepared:		04/29/2016 1220h											
Vanadium	0.187	mg/L	E200.7	0.000750	0.00500	0.2000	0	93.6	70 - 130	0.187	0.266	20	
Lab Sample ID: 1604654-001EMSD													
Date Analyzed:		05/04/2016 1155h											
Test Code:		200.8-DIS											
Date Prepared:		04/29/2016 1220h											
Arsenic	0.213	mg/L	E200.8	0.000540	0.00200	0.2000	0	107	75 - 125	0.22	3.12	20	
Beryllium	0.197	mg/L	E200.8	0.000177	0.00200	0.2000	0	98.4	75 - 125	0.215	8.61	20	
Cadmium	0.196	mg/L	E200.8	0.0000666	0.000500	0.2000	0.000129	98.0	75 - 125	0.211	7.31	20	
Chromium	0.196	mg/L	E200.8	0.000998	0.00200	0.2000	0	97.8	75 - 125	0.193	1.30	20	
Cobalt	0.192	mg/L	E200.8	0.0000990	0.00400	0.2000	0	95.8	75 - 125	0.191	0.386	20	
Copper	0.190	mg/L	E200.8	0.000862	0.00200	0.2000	0	95.0	75 - 125	0.189	0.468	20	
Iron	0.986	mg/L	E200.8	0.0274	0.100	1.000	0	98.6	75 - 125	0.981	0.531	20	
Lead	0.186	mg/L	E200.8	0.000125	0.00200	0.2000	0	93.2	75 - 125	0.203	8.43	20	
Manganese	0.198	mg/L	E200.8	0.000560	0.00200	0.2000	0	99.0	75 - 125	0.195	1.33	20	
Molybdenum	0.211	mg/L	E200.8	0.000202	0.00200	0.2000	0.00119	105	75 - 125	0.228	7.89	20	
Nickel	0.195	mg/L	E200.8	0.000522	0.00200	0.2000	0	97.5	75 - 125	0.194	0.633	20	
Selenium	0.214	mg/L	E200.8	0.000310	0.00200	0.2000	0.00689	104	75 - 125	0.216	1.04	20	
Silver	0.178	mg/L	E200.8	0.000132	0.00200	0.2000	0.0000744	89.2	75 - 125	0.196	9.14	20	
Thallium	0.186	mg/L	E200.8	0.0000500	0.00200	0.2000	0	92.8	75 - 125	0.201	8.16	20	
Tin	1.03	mg/L	E200.8	0.000372	0.00200	1.000	0	103	75 - 125	1.12	8.85	20	



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604654
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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: 1604654-001EMSD	Date Analyzed: 05/04/2016 1155h												
Test Code: 200.8-DIS	Date Prepared: 04/29/2016 1220h												
Uranium	0.204	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0105	96.6	75 - 125	0.221	8.28	20	
Zinc	1.02	mg/L	E200.8	0.00452	0.00500	1.000	0.00742	101	75 - 125	1	1.43	20	
Lab Sample ID: 1604654-001EMSD	Date Analyzed: 05/09/2016 900h												
Test Code: HG-DW-DIS-245.1	Date Prepared: 05/04/2016 1630h												
Mercury	0.00344	mg/L	E245.1	0.00000559	0.000150	0.003330	0	103	85 - 115	0.00335	2.70	20	

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: 1604654
Project: 2nd Quarter Groundwater 2016

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: 1604654-001CDUP Date Analyzed: 04/29/2016 1143h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	2,860	mg/L	SM2540C	17.5	20.0					2980	4.38	5	
Lab Sample ID: 1604654-006CDUP Date Analyzed: 05/02/2016 1520h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	8,400	mg/L	SM2540C	87.7	100					7780	7.66	5	@

@ - High RPD due to suspected sample non-homogeneity or matrix interference.



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604654
Project: 2nd Quarter Groundwater 2016

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-R89788 Date Analyzed: 05/03/2016 955h													
Test Code: 300.0-W													
Chloride	4.94	mg/L	E300.0	0.00516	0.100	5.000	0	98.9	90 - 110				
Fluoride	5.02	mg/L	E300.0	0.0139	0.100	5.000	0	100	90 - 110				
Sulfate	5.06	mg/L	E300.0	0.0201	0.750	5.000	0	101	90 - 110				
Lab Sample ID: LCS-R89660 Date Analyzed: 04/29/2016 1107h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	49,900	mg/L	SM2320B	0.504	1.00	50,000	0	99.8	90 - 110				
Lab Sample ID: LCS-42778 Date Analyzed: 05/02/2016 1617h													
Test Code: NH3-W-350.1 Date Prepared: 05/02/2016 1110h													
Ammonia (as N)	9.41	mg/L	E350.1	0.0185	0.0500	10.00	0	94.1	90 - 110				
Lab Sample ID: LCS-42918 Date Analyzed: 05/09/2016 1622h													
Test Code: NH3-W-350.1 Date Prepared: 05/09/2016 1040h													
Ammonia (as N)	9.72	mg/L	E350.1	0.0185	0.0500	10.00	0	97.2	90 - 110				
Lab Sample ID: LCS-R90004 Date Analyzed: 05/10/2016 1111h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.00	mg/L	E353.2	0.00833	0.0100	1.000	0	100	90 - 110				
Lab Sample ID: LCS-R89714 Date Analyzed: 04/29/2016 1143h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	194	mg/L	SM2540C	8.77	10.0	205.0	0	94.6	80 - 120				
Lab Sample ID: LCS-R89754 Date Analyzed: 05/02/2016 1520h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	218	mg/L	SM2540C	8.77	10.0	205.0	0	106	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: 1604654
Project: 2nd Quarter Groundwater 2016

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-R89788 Date Analyzed: 05/03/2016 938h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00516	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0139	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0201	0.750								
Lab Sample ID: MB-R89660 Date Analyzed: 04/29/2016 1107h													
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-42778 Date Analyzed: 05/02/2016 1616h													
Test Code: NH3-W-350.1 Date Prepared: 05/02/2016 1110h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-42918 Date Analyzed: 05/09/2016 1621h													
Test Code: NH3-W-350.1 Date Prepared: 05/09/2016 1040h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-R90004 Date Analyzed: 05/10/2016 1110h													
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-R89714 Date Analyzed: 04/29/2016 1143h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								
Lab Sample ID: MB-R89754 Date Analyzed: 05/02/2016 1520h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604654
Project: 2nd Quarter Groundwater 2016

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: 1604654-006BMS Date Analyzed: 05/03/2016 1640h													
Test Code: 300.0-W													
Chloride	10,300	mg/L	E300.0	10.3	200	10,000	56.8	103	90 - 110				
Fluoride	10,500	mg/L	E300.0	27.8	200	10,000	0	105	90 - 110				
Sulfate	16,500	mg/L	E300.0	40.2	1,500	10,000	6620	99.0	90 - 110				
Lab Sample ID: 1604654-001BMS Date Analyzed: 04/29/2016 1107h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	363	mg/L	SM2320B	0.504	1.00	50.00	313	99.8	80 - 120				
Lab Sample ID: 1604654-001DMS Date Analyzed: 05/02/2016 1634h													
Test Code: NH3-W-350.1 Date Prepared: 05/02/2016 1110h													
Ammonia (as N)	11.4	mg/L	E350.1	0.0206	0.0556	11.11	0	102	90 - 110				
Lab Sample ID: 1604654-007DMS Date Analyzed: 05/09/2016 1624h													
Test Code: NH3-W-350.1 Date Prepared: 05/09/2016 1040h													
Ammonia (as N)	10.7	mg/L	E350.1	0.0206	0.0556	11.11	0.0975	95.8	90 - 110				
Lab Sample ID: 1604654-001DMS Date Analyzed: 05/10/2016 1114h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.01	mg/L	E353.2	0.00833	0.0100	1.000	0.0329	97.2	90 - 110				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604654
Project: 2nd Quarter Groundwater 2016

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: 1604654-006BMSD Date Analyzed: 05/03/2016 1657h													
Test Code: 300.0-W													
Chloride	10,200	mg/L	E300.0	10.3	200	10,000	56.8	101	90 - 110	10300	1.79	20	
Fluoride	10,300	mg/L	E300.0	27.8	200	10,000	0	103	90 - 110	10500	1.81	20	
Sulfate	16,500	mg/L	E300.0	40.2	1,500	10,000	6620	99.0	90 - 110	16500	0.00865	20	
Lab Sample ID: 1604654-001BMSD Date Analyzed: 04/29/2016 1107h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	365	mg/L	SM2320B	0.504	1.00	50.00	313	103	80 - 120	363	0.467	10	
Lab Sample ID: 1604654-001DMSD Date Analyzed: 05/02/2016 1635h													
Test Code: NH3-W-350.1 Date Prepared: 05/02/2016 1110h													
Ammonia (as N)	11.3	mg/L	E350.1	0.0206	0.0556	11.11	0	102	90 - 110	11.4	0.555	10	
Lab Sample ID: 1604654-007DMSD Date Analyzed: 05/09/2016 1625h													
Test Code: NH3-W-350.1 Date Prepared: 05/09/2016 1040h													
Ammonia (as N)	10.7	mg/L	E350.1	0.0206	0.0556	11.11	0.0975	95.7	90 - 110	10.7	0.168	10	
Lab Sample ID: 1604654-001DMSD Date Analyzed: 05/10/2016 1115h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.01	mg/L	E353.2	0.00833	0.0100	1.000	0.0329	97.8	90 - 110	1.01	0.595	10	



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604654
Project: 2nd Quarter Groundwater 2016

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 042916A		Date Analyzed: 04/29/2016 1238h											
Test Code: 8260-W-DEN100													
Benzene	17.9	µg/L	SW8260C	0.270	1.00	20.00	0	89.4	82 - 132				
Chloroform	19.6	µg/L	SW8260C	0.153	1.00	20.00	0	98.0	85 - 124				
Methylene chloride	17.4	µg/L	SW8260C	0.172	1.00	20.00	0	86.8	81 - 135				
Naphthalene	16.5	µg/L	SW8260C	0.587	1.00	20.00	0	82.6	63 - 129				
Tetrahydrofuran	21.6	µg/L	SW8260C	0.516	1.00	20.00	0	108	59 - 120				
Toluene	17.8	µg/L	SW8260C	0.183	1.00	20.00	0	88.8	78 - 130				
Xylenes, Total	56.4	µg/L	SW8260C	0.857	1.00	60.00	0	94.1	70 - 138				
Surr: 1,2-Dichloroethane-d4	58.1	µg/L	SW8260C			50.00		116	80 - 122				
Surr: 4-Bromofluorobenzene	49.9	µg/L	SW8260C			50.00		99.9	85 - 121				
Surr: Dibromofluoromethane	51.5	µg/L	SW8260C			50.00		103	80 - 116				
Surr: Toluene-d8	46.5	µg/L	SW8260C			50.00		93.0	81 - 123				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604654
Project: 2nd Quarter Groundwater 2016

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 042916A	Date Analyzed: 04/29/2016 1218h												
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	60.0	µg/L	SW8260C			50.00		120	80 - 122				
Surr: 4-Bromofluorobenzene	51.0	µg/L	SW8260C			50.00		102	85 - 121				
Surr: Dibromofluoromethane	51.2	µg/L	SW8260C			50.00		102	80 - 116				
Surr: Toluene-d8	47.3	µg/L	SW8260C			50.00		94.6	81 - 123				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604654
Project: 2nd Quarter Groundwater 2016

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: 1604654-001AMS		Date Analyzed: 04/29/2016 1736h											
Test Code: 8260-W-DEN100													
Benzene	17.8	µg/L	SW8260C	0.270	1.00	20.00	0	89.1	66 - 145				
Chloroform	19.8	µg/L	SW8260C	0.153	1.00	20.00	0	99.2	50 - 146				
Methylene chloride	17.9	µg/L	SW8260C	0.172	1.00	20.00	0	89.6	30 - 192				
Naphthalene	17.0	µg/L	SW8260C	0.587	1.00	20.00	0	84.9	41 - 131				
Tetrahydrofuran	26.1	µg/L	SW8260C	0.516	1.00	20.00	0	130	43 - 146				
Toluene	17.1	µg/L	SW8260C	0.183	1.00	20.00	0	85.5	18 - 192				
Xylenes, Total	55.6	µg/L	SW8260C	0.857	1.00	60.00	0	92.6	42 - 167				
Surr: 1,2-Dichloroethane-d4	61.0	µg/L	SW8260C			50.00		122	72 - 151				
Surr: 4-Bromofluorobenzene	50.2	µg/L	SW8260C			50.00		100	80 - 152				
Surr: Dibromofluoromethane	51.8	µg/L	SW8260C			50.00		104	80 - 124				
Surr: Toluene-d8	47.7	µg/L	SW8260C			50.00		95.3	77 - 129				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604654
Project: 2nd Quarter Groundwater 2016

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: 1604654-001AMSD		Date Analyzed: 04/29/2016 1756h											
Test Code: 8260-W-DEN100													
Benzene	17.8	µg/L	SW8260C	0.270	1.00	20.00	0	89.2	66 - 145	17.8	0.112	25	
Chloroform	20.3	µg/L	SW8260C	0.153	1.00	20.00	0	101	50 - 146	19.8	2.14	25	
Methylene chloride	17.9	µg/L	SW8260C	0.172	1.00	20.00	0	89.6	30 - 192	17.9	0.0558	25	
Naphthalene	17.2	µg/L	SW8260C	0.587	1.00	20.00	0	86.2	41 - 131	17	1.58	25	
Tetrahydrofuran	25.2	µg/L	SW8260C	0.516	1.00	20.00	0	126	43 - 146	26.1	3.35	25	
Toluene	17.0	µg/L	SW8260C	0.183	1.00	20.00	0	85.2	18 - 192	17.1	0.351	25	
Xylenes, Total	55.0	µg/L	SW8260C	0.857	1.00	60.00	0	91.8	42 - 167	55.6	0.940	25	
Surr: 1,2-Dichloroethane-d4	59.5	µg/L	SW8260C			50.00		119	72 - 151				
Surr: 4-Bromofluorobenzene	49.6	µg/L	SW8260C			50.00		99.2	80 - 152				
Surr: Dibromofluoromethane	51.3	µg/L	SW8260C			50.00		103	80 - 124				
Surr: Toluene-d8	46.1	µg/L	SW8260C			50.00		92.3	77 - 129				

The Trip Blank Date Sampled has been corrected per
Kathy Weinel. MC

Denison

WORK ORDER Summary

Work Order: **1604654** Page 1 of 7

Client: Energy Fuels Resources, Inc.

Due Date: 5/13/2016

Client ID: DEN100

Contact: Garrin Palmer

Project: 2nd Quarter Groundwater 2016

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: Run NO2/NO3 as a 10X. 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
1604654-001A	MW-02_04262016	4/26/2016 1515h	4/29/2016 1015h	8260-W-DEN100	Aqueous	<input checked="" type="checkbox"/>	VOCFridge
<i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>							
1604654-001B				300.0-W		<input checked="" type="checkbox"/>	df - wc
<i>3 SEL Analytes: CL F SO4</i>							
				ALK-W-2320B-LL		<input checked="" type="checkbox"/>	df - wc
<i>2 SEL Analytes: ALKB ALKC</i>							
1604654-001C				TDS-W-2540C		<input checked="" type="checkbox"/>	ww - tds
<i>1 SEL Analytes: TDS</i>							
1604654-001D				NH3-W-350.1		<input checked="" type="checkbox"/>	df - no2/no3 & nh3
<i>1 SEL Analytes: NH3N</i>							
				NH3-W-PR		<input checked="" type="checkbox"/>	df - no2/no3 & nh3
				NO2/NO3-W-353.2		<input checked="" type="checkbox"/>	df - no2/no3 & nh3
<i>1 SEL Analytes: NO3NO2N</i>							
1604654-001E				200.7-DIS		<input checked="" type="checkbox"/>	df-met
<i>5 SEL Analytes: CA MG K NA V</i>							
				200.7-DIS-PR		<input checked="" type="checkbox"/>	df-met
				200.8-DIS		<input checked="" type="checkbox"/>	df-met
<i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>							
				200.8-DIS-PR		<input checked="" type="checkbox"/>	df-met
				HG-DW-DIS-245.1		<input checked="" type="checkbox"/>	df-met
<i>1 SEL Analytes: HG</i>							
				HG-DW-DIS-PR		<input checked="" type="checkbox"/>	df-met
				IONBALANCE		<input checked="" type="checkbox"/>	df-met
<i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>							
1604654-002A	MW-03_04262016	4/26/2016 1240h	4/29/2016 1015h	8260-W-DEN100	Aqueous	<input checked="" type="checkbox"/>	VOCFridge
<i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>							

WORK ORDER Summary

Work Order: **1604654** Page 2 of 7

Client: Energy Fuels Resources, Inc.

Due Date: 5/13/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage				
1604654-002B	MW-03_04262016	4/26/2016 1240h	4/29/2016 1015h	300.0-W	Aqueous	<input checked="" type="checkbox"/>	df - wc	1			
				<i>3 SEL Analytes: CL F SO4</i>							
				ALK-W-2320B-LL		<input checked="" type="checkbox"/>	df - wc				
				<i>2 SEL Analytes: ALKB ALKC</i>							
1604654-002C								TDS-W-2540C	<input checked="" type="checkbox"/>	ww - tds	
				<i>1 SEL Analytes: TDS</i>							
1604654-002D								NH3-W-350.1	<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
				<i>1 SEL Analytes: NH3N</i>							
				NH3-W-PR		<input checked="" type="checkbox"/>	df - no2/no3 & nh3				
				NO2/NO3-W-353.2		<input checked="" type="checkbox"/>	df - no2/no3 & nh3				
				<i>1 SEL Analytes: NO3NO2N</i>							
1604654-002E					200.7-DIS	<input checked="" type="checkbox"/>	df-met				
				<i>5 SEL Analytes: CA MG K NA V</i>							
				200.7-DIS-PR		<input checked="" type="checkbox"/>	df-met				
				200.8-DIS		<input checked="" type="checkbox"/>	df-met				
				<i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>							
				200.8-DIS-PR		<input checked="" type="checkbox"/>	df-met				
				HG-DW-DIS-245.1		<input checked="" type="checkbox"/>	df-met				
				<i>1 SEL Analytes: HG</i>							
				HG-DW-DIS-PR		<input checked="" type="checkbox"/>	df-met				
				IONBALANCE		<input checked="" type="checkbox"/>	df-met				
				<i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>							
1604654-003A	MW-03A_04272016	4/27/2016 0710h	4/29/2016 1015h	8260-W-DEN100	Aqueous	<input checked="" type="checkbox"/>	VOCFridge	3			
				<i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>							
1604654-003B								300.0-W	<input checked="" type="checkbox"/>	df - wc	1
				<i>3 SEL Analytes: CL F SO4</i>							
				ALK-W-2320B-LL		<input checked="" type="checkbox"/>	df - wc				
				<i>2 SEL Analytes: ALKB ALKC</i>							
1604654-003C								TDS-W-2540C	<input checked="" type="checkbox"/>	ww - tds	
				<i>1 SEL Analytes: TDS</i>							
1604654-003D								NH3-W-350.1	<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
				<i>1 SEL Analytes: NH3N</i>							
				NH3-W-PR		<input checked="" type="checkbox"/>	df - no2/no3 & nh3				
				NO2/NO3-W-353.2		<input checked="" type="checkbox"/>	df - no2/no3 & nh3				
				<i>1 SEL Analytes: NO3NO2N</i>							
1604654-003E					200.7-DIS	<input checked="" type="checkbox"/>	df-met				
				<i>5 SEL Analytes: CA MG K NA V</i>							
				200.7-DIS-PR		<input checked="" type="checkbox"/>	df-met				

WORK ORDER Summary

Work Order: **1604654** Page 3 of 7

Client: Energy Fuels Resources, Inc.

Due Date: 5/13/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1604654-003E	MW-03A_04272016	4/27/2016 0710h	4/29/2016 1015h	200.8-DIS <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>	Aqueous	<input checked="" type="checkbox"/>	df-met	1
				200.8-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				HG-DW-DIS-245.1 <i>1 SEL Analytes: HG</i>		<input checked="" type="checkbox"/>	df-met	
				HG-DW-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				IONBALANCE <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>		<input checked="" type="checkbox"/>	df-met	
1604654-004A	MW-15_04272016	4/27/2016 1050h	4/29/2016 1015h	8260-W-DEN100 <i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>	Aqueous	<input checked="" type="checkbox"/>	VOCFridge	3
1604654-004B				300.0-W <i>3 SEL Analytes: CL F SO4</i>		<input checked="" type="checkbox"/>	df - wc	1
				ALK-W-2320B-LL <i>2 SEL Analytes: ALKB ALKC</i>		<input checked="" type="checkbox"/>	df - wc	
1604654-004C				TDS-W-2540C <i>1 SEL Analytes: TDS</i>		<input checked="" type="checkbox"/>	ww - tds	
1604654-004D				NH3-W-350.1 <i>1 SEL Analytes: NH3N</i>		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
				NH3-W-PR		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>		<input checked="" type="checkbox"/>	df - no2/no3 & nh3	
1604654-004E				200.7-DIS <i>5 SEL Analytes: CA MG K NA V</i>		<input checked="" type="checkbox"/>	df-met	
				200.7-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				200.8-DIS <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>		<input checked="" type="checkbox"/>	df-met	
				200.8-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				HG-DW-DIS-245.1 <i>1 SEL Analytes: HG</i>		<input checked="" type="checkbox"/>	df-met	
				HG-DW-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				IONBALANCE <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>		<input checked="" type="checkbox"/>	df-met	
1604654-005A	MW-17_04262016	4/26/2016 1055h	4/29/2016 1015h	8260-W-DEN100 <i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>	Aqueous	<input checked="" type="checkbox"/>	VOCFridge	3
1604654-005B				300.0-W <i>3 SEL Analytes: CL F SO4</i>		<input checked="" type="checkbox"/>	df - wc	1

WORK ORDER Summary

Work Order: **1604654** Page 5 of 7

Client: Energy Fuels Resources, Inc.

Due Date: 5/13/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1604654-006E	MW-22_04262016	4/26/2016 1200h	4/29/2016 1015h	200.8-DIS <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>	Aqueous	<input checked="" type="checkbox"/>	df-met
				200.8-DIS-PR		<input checked="" type="checkbox"/>	df-met
				HG-DW-DIS-245.1 <i>1 SEL Analytes: HG</i>		<input checked="" type="checkbox"/>	df-met
				HG-DW-DIS-PR		<input checked="" type="checkbox"/>	df-met
				IONBALANCE <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>		<input checked="" type="checkbox"/>	df-met
1604654-007A	MW-24_04282016	4/28/2016 0755h	4/29/2016 1015h	8260-W-DEN100 <i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>	Aqueous	<input checked="" type="checkbox"/>	VOCFridge 3
1604654-007B				300.0-W <i>3 SEL Analytes: CL F SO4</i>		<input checked="" type="checkbox"/>	df - wc
				ALK-W-2320B-LL <i>2 SEL Analytes: ALKB ALKC</i>		<input checked="" type="checkbox"/>	df - wc
1604654-007C				TDS-W-2540C <i>1 SEL Analytes: TDS</i>		<input checked="" type="checkbox"/>	ww - ids
1604654-007D				NH3-W-350.1 <i>1 SEL Analytes: NH3N</i>		<input checked="" type="checkbox"/>	df - no2/no3 & nh3
				NH3-W-PR		<input checked="" type="checkbox"/>	df - no2/no3 & nh3
				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>		<input checked="" type="checkbox"/>	df - no2/no3 & nh3
1604654-007E				200.7-DIS <i>5 SEL Analytes: CA MG K NA V</i>		<input checked="" type="checkbox"/>	df-met
				200.7-DIS-PR		<input checked="" type="checkbox"/>	df-met
				200.8-DIS <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>		<input checked="" type="checkbox"/>	df-met
				200.8-DIS-PR		<input checked="" type="checkbox"/>	df-met
				HG-DW-DIS-245.1 <i>1 SEL Analytes: HG</i>		<input checked="" type="checkbox"/>	df-met
				HG-DW-DIS-PR		<input checked="" type="checkbox"/>	df-met
				IONBALANCE <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>		<input checked="" type="checkbox"/>	df-met
1604654-008A	MW-29_04272016	4/27/2016 1035h	4/29/2016 1015h	8260-W-DEN100 <i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>	Aqueous	<input checked="" type="checkbox"/>	VOCFridge 3
1604654-008B				300.0-W <i>3 SEL Analytes: CL F SO4</i>		<input checked="" type="checkbox"/>	df - wc

WORK ORDER Summary

Work Order: **1604654** Page 7 of 7

Client: Energy Fuels Resources, Inc.

Due Date: 5/13/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1604654-009E	MW-65_04272016	4/27/2016 1050h	4/29/2016 1015h	200.8-DIS	Aqueous	<input checked="" type="checkbox"/>	df-met	1
				<i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>				
				200.8-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				HG-DW-DIS-245.1		<input checked="" type="checkbox"/>	df-met	
				<i>1 SEL Analytes: HG</i>				
				HG-DW-DIS-PR		<input checked="" type="checkbox"/>	df-met	
				IONBALANCE		<input checked="" type="checkbox"/>	df-met	
				<i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>				
1604654-010A	Trip Blank	4/26/2016	4/29/2016 1015h	8260-W-DEN100	Aqueous	<input checked="" type="checkbox"/>	VOCFridge	3
				<i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>				



**American West
Analytical Laboratories**

463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1604654
AWAL Lab Sample Set #
Page 1 of 1

QC Level:		Turn Around Time:		Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.		Due Date:		
3		Standard						
# of Containers Sample Matrix NO2/NO3 (353.2) NH3 (4500G or 350.1) FI, CI, SO4 (4500 or 300.0) TDS (2540C) Carb/Bicarb (2320B) Dissolved Metals (200.7/200.8/245.1) As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Ti, Sn, U, V, Zn, Na, K, Mg, Ca Ion Balance VOCs (8260C)								
	X Include EDD: LOCUS UPLOAD EXCEL X Field Filtered For: Dissolved Metals						Laboratory Use Only Samples Were: <u>UPS</u> 1 Shipped or hand delivered 2 Ambient or <u>Chilled</u> 3 Temperature <u>3, 5</u> °C 4 Received Broken/Leaking (Improperly Sealed) Y <u>(N)</u> 5 Properly Preserved <u>(Y)</u> N Checked at bench Y N 6 Received Within Holding Times <u>(Y)</u> N	
	For Compliance With: <input type="checkbox"/> NELAP <input type="checkbox"/> RCRA <input type="checkbox"/> CWA <input type="checkbox"/> SDWA <input type="checkbox"/> ELAP / A2LA <input type="checkbox"/> NLLAP <input type="checkbox"/> Non-Compliance <input type="checkbox"/> Other:						Known Hazards & Sample Comments	
	1	MW-02_04262016	4/26/2016	1515	7	W	X	X
	2	MW-03_04262016	4/26/2016	1240	7	W	X	X
	3	MW-03A_04272016	4/27/2016	710	7	W	X	X
	4	MW-15_04272016	4/27/2016	1050	7	W	X	X
	5	MW-17_04262016	4/26/2016	1055	7	W	X	X
	6	MW-22_04262016	4/26/2016	1200	7	W	X	X
	7	MW-24_04282016	4/28/2016	755	7	W	X	X
	8	MW-29_04272016	4/27/2016	1035	7	W	X	X
	9	MW-65_04272016	4/27/2016	1050	7	W	X	X
10	TRIP BLANK	4/26/2016 per Kathy Weinel.	4/26/2016	3	W		X	
11	TEMP BLANK	MC 5/23/2016	4/28/2016	1	W			
12								

Client: **Energy Fuels Resources, Inc.**
 Address: **6425 S. Hwy. 191**
Blanding, UT 84511
 Contact: **Garrin Palmer**
 Phone #: **(435) 678-2221** Cell #:
gpalmer@energyfuels.com; KWeinel@energyfuels.com;
 Email: **dturk@energyfuels.com**
 Project Name: **2nd Quarter Groundwater 2016-2016**
 Project #:
 PC #:
 Sampler Name: **Tanner Holliday**

Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	FI, CI, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Ti, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)
1 MW-02_04262016	4/26/2016	1515	7	W	X	X	X	X	X	X	X	X	X
2 MW-03_04262016	4/26/2016	1240	7	W	X	X	X	X	X	X	X	X	X
3 MW-03A_04272016	4/27/2016	710	7	W	X	X	X	X	X	X	X	X	X
4 MW-15_04272016	4/27/2016	1050	7	W	X	X	X	X	X	X	X	X	X
5 MW-17_04262016	4/26/2016	1055	7	W	X	X	X	X	X	X	X	X	X
6 MW-22_04262016	4/26/2016	1200	7	W	X	X	X	X	X	X	X	X	X
7 MW-24_04282016	4/28/2016	755	7	W	X	X	X	X	X	X	X	X	X
8 MW-29_04272016	4/27/2016	1035	7	W	X	X	X	X	X	X	X	X	X
9 MW-65_04272016	4/27/2016	1050	7	W	X	X	X	X	X	X	X	X	X
10 TRIP BLANK	4/26/2016 per Kathy Weinel.	4/26/2016	3	W									X
11 TEMP BLANK	MC 5/23/2016	4/28/2016	1	W									
12													

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: <i>Tanner Holliday</i>	Date: 4/28/2016 Time: 1200	Received by: Signature: <i>Elmer Hayes</i>	Date: Time:	Special Instructions: Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.
Print Name: TANNER HOLLIDAY		Print Name: <i>Elmer Hayes</i>	Date: 4-29-16 Time: 10:15	
Relinquished by: Signature:	Date: Time:	Received by: Signature:	Date: Time:	
Print Name:		Print Name:		
Relinquished by: Signature:	Date: Time:	Received by: Signature:	Date: Time:	



Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: 2nd Quarter Groundwater 2016

Dear Garrin Palmer:

Lab Set ID: 1605152

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

American West Analytical Laboratories received sample(s) on 5/6/2016 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.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Thank You,

Approved by:

Kyle F. Gross	Digitally signed by Kyle F. Gross
	Date: 2016.05.23 13:50:25 -06'00'

Laboratory Director or designee



SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1605152
Date Received: 5/6/2016 1015h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis	
3440 South 700 West Salt Lake City, UT 84119	1605152-001A	MW-11_05032016	5/3/2016 1540h	Aqueous	VOA by GC/MS Method 8260C/5030C
	1605152-001B	MW-11_05032016	5/3/2016 1540h	Aqueous	Anions, E300.0
	1605152-001B	MW-11_05032016	5/3/2016 1540h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
Phone: (801) 263-8686	1605152-001C	MW-11_05032016	5/3/2016 1540h	Aqueous	Total Dissolved Solids, A2540C
Toll Free: (888) 263-8686	1605152-001D	MW-11_05032016	5/3/2016 1540h	Aqueous	Nitrite/Nitrate (as N), E353.2
Fax: (801) 263-8687	1605152-001D	MW-11_05032016	5/3/2016 1540h	Aqueous	Ammonia, Aqueous
e-mail: awal@awal-labs.com	1605152-001E	MW-11_05032016	5/3/2016 1540h	Aqueous	Mercury, Drinking Water Dissolved
web: www.awal-labs.com	1605152-001E	MW-11_05032016	5/3/2016 1540h	Aqueous	Ion Balance
	1605152-001E	MW-11_05032016	5/3/2016 1540h	Aqueous	ICP Metals, Dissolved
	1605152-001E	MW-11_05032016	5/3/2016 1540h	Aqueous	ICPMS Metals, Dissolved
Kyle F. Gross Laboratory Director	1605152-002A	MW-14_05042016	5/4/2016 1010h	Aqueous	VOA by GC/MS Method 8260C/5030C
	1605152-002B	MW-14_05042016	5/4/2016 1010h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
Jose Rocha QA Officer	1605152-002B	MW-14_05042016	5/4/2016 1010h	Aqueous	Anions, E300.0
	1605152-002C	MW-14_05042016	5/4/2016 1010h	Aqueous	Total Dissolved Solids, A2540C
	1605152-002D	MW-14_05042016	5/4/2016 1010h	Aqueous	Nitrite/Nitrate (as N), E353.2
	1605152-002D	MW-14_05042016	5/4/2016 1010h	Aqueous	Ammonia, Aqueous
	1605152-002E	MW-14_05042016	5/4/2016 1010h	Aqueous	Mercury, Drinking Water Dissolved
	1605152-002E	MW-14_05042016	5/4/2016 1010h	Aqueous	Ion Balance
	1605152-002E	MW-14_05042016	5/4/2016 1010h	Aqueous	ICP Metals, Dissolved
	1605152-002E	MW-14_05042016	5/4/2016 1010h	Aqueous	ICPMS Metals, Dissolved
	1605152-003A	MW-25_05032016	5/3/2016 1055h	Aqueous	VOA by GC/MS Method 8260C/5030C
	1605152-003B	MW-25_05032016	5/3/2016 1055h	Aqueous	Anions, E300.0
	1605152-003B	MW-25_05032016	5/3/2016 1055h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
	1605152-003C	MW-25_05032016	5/3/2016 1055h	Aqueous	Total Dissolved Solids, A2540C
	1605152-003D	MW-25_05032016	5/3/2016 1055h	Aqueous	Nitrite/Nitrate (as N), E353.2
	1605152-003D	MW-25_05032016	5/3/2016 1055h	Aqueous	Ammonia, Aqueous
	1605152-003E	MW-25_05032016	5/3/2016 1055h	Aqueous	Mercury, Drinking Water Dissolved
	1605152-003E	MW-25_05032016	5/3/2016 1055h	Aqueous	Ion Balance
	1605152-003E	MW-25_05032016	5/3/2016 1055h	Aqueous	ICP Metals, Dissolved



Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1605152
Date Received: 5/6/2016 1015h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1605152-003E	MW-25_05032016	5/3/2016 1055h	Aqueous	ICPMS Metals, Dissolved
1605152-004A	MW-26_05042016	5/4/2016 1230h	Aqueous	VOA by GC/MS Method 8260C/5030C
1605152-004B	MW-26_05042016	5/4/2016 1230h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1605152-004B	MW-26_05042016	5/4/2016 1230h	Aqueous	Anions, E300.0
1605152-004C	MW-26_05042016	5/4/2016 1230h	Aqueous	Total Dissolved Solids, A2540C
1605152-004D	MW-26_05042016	5/4/2016 1230h	Aqueous	Nitrite/Nitrate (as N), E353.2
1605152-004D	MW-26_05042016	5/4/2016 1230h	Aqueous	Ammonia, Aqueous
1605152-004E	MW-26_05042016	5/4/2016 1230h	Aqueous	Mercury, Drinking Water Dissolved
1605152-004E	MW-26_05042016	5/4/2016 1230h	Aqueous	Ion Balance
1605152-004E	MW-26_05042016	5/4/2016 1230h	Aqueous	ICP Metals, Dissolved
1605152-004E	MW-26_05042016	5/4/2016 1230h	Aqueous	ICPMS Metals, Dissolved
1605152-005A	MW-30_05042016	5/4/2016 1050h	Aqueous	VOA by GC/MS Method 8260C/5030C
1605152-005B	MW-30_05042016	5/4/2016 1050h	Aqueous	Anions, E300.0
1605152-005B	MW-30_05042016	5/4/2016 1050h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1605152-005C	MW-30_05042016	5/4/2016 1050h	Aqueous	Total Dissolved Solids, A2540C
1605152-005D	MW-30_05042016	5/4/2016 1050h	Aqueous	Nitrite/Nitrate (as N), E353.2
1605152-005D	MW-30_05042016	5/4/2016 1050h	Aqueous	Ammonia, Aqueous
1605152-005E	MW-30_05042016	5/4/2016 1050h	Aqueous	Mercury, Drinking Water Dissolved
1605152-005E	MW-30_05042016	5/4/2016 1050h	Aqueous	Ion Balance
1605152-005E	MW-30_05042016	5/4/2016 1050h	Aqueous	ICP Metals, Dissolved
1605152-005E	MW-30_05042016	5/4/2016 1050h	Aqueous	ICPMS Metals, Dissolved
1605152-006A	MW-31_05032016	5/3/2016 1300h	Aqueous	VOA by GC/MS Method 8260C/5030C
1605152-006B	MW-31_05032016	5/3/2016 1300h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1605152-006B	MW-31_05032016	5/3/2016 1300h	Aqueous	Anions, E300.0
1605152-006C	MW-31_05032016	5/3/2016 1300h	Aqueous	Total Dissolved Solids, A2540C
1605152-006D	MW-31_05032016	5/3/2016 1300h	Aqueous	Nitrite/Nitrate (as N), E353.2
1605152-006D	MW-31_05032016	5/3/2016 1300h	Aqueous	Ammonia, Aqueous
1605152-006E	MW-31_05032016	5/3/2016 1300h	Aqueous	Mercury, Drinking Water Dissolved
1605152-006E	MW-31_05032016	5/3/2016 1300h	Aqueous	Ion Balance
1605152-006E	MW-31_05032016	5/3/2016 1300h	Aqueous	ICP Metals, Dissolved
1605152-006E	MW-31_05032016	5/3/2016 1300h	Aqueous	ICPMS Metals, Dissolved



Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1605152
Date Received: 5/6/2016 1015h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1605152-007A	MW-35_05032016	5/3/2016 1430h	Aqueous	VOA by GC/MS Method 8260C/5030C
1605152-007B	MW-35_05032016	5/3/2016 1430h	Aqueous	Anions, E300.0
1605152-007B	MW-35_05032016	5/3/2016 1430h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1605152-007C	MW-35_05032016	5/3/2016 1430h	Aqueous	Total Dissolved Solids, A2540C
1605152-007D	MW-35_05032016	5/3/2016 1430h	Aqueous	Nitrite/Nitrate (as N), E353.2
1605152-007D	MW-35_05032016	5/3/2016 1430h	Aqueous	Ammonia, Aqueous
1605152-007E	MW-35_05032016	5/3/2016 1430h	Aqueous	Mercury, Drinking Water Dissolved
1605152-007E	MW-35_05032016	5/3/2016 1430h	Aqueous	Ion Balance
1605152-007E	MW-35_05032016	5/3/2016 1430h	Aqueous	ICP Metals, Dissolved
1605152-007E	MW-35_05032016	5/3/2016 1430h	Aqueous	ICPMS Metals, Dissolved
1605152-008A	MW-70_05042016	5/4/2016 1010h	Aqueous	VOA by GC/MS Method 8260C/5030C
1605152-008B	MW-70_05042016	5/4/2016 1010h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1605152-008B	MW-70_05042016	5/4/2016 1010h	Aqueous	Anions, E300.0
1605152-008C	MW-70_05042016	5/4/2016 1010h	Aqueous	Total Dissolved Solids, A2540C
1605152-008D	MW-70_05042016	5/4/2016 1010h	Aqueous	Nitrite/Nitrate (as N), E353.2
1605152-008D	MW-70_05042016	5/4/2016 1010h	Aqueous	Ammonia, Aqueous
1605152-008E	MW-70_05042016	5/4/2016 1010h	Aqueous	Ion Balance
1605152-008E	MW-70_05042016	5/4/2016 1010h	Aqueous	ICP Metals, Dissolved
1605152-008E	MW-70_05042016	5/4/2016 1010h	Aqueous	ICPMS Metals, Dissolved
1605152-008E	MW-70_05042016	5/4/2016 1010h	Aqueous	Mercury, Drinking Water Dissolved
1605152-009A	Trip Blank	5/3/2016	Aqueous	VOA by GC/MS Method 8260C/5030C

3440 South 700 West
Salt Lake City, UT 84119

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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: 2nd Quarter Groundwater 2016
Lab Set ID: 1605152

Sample Receipt Information:

Date of Receipt: 5/6/2016
Date of Collection: 5/3-5/4/2016
Sample Condition: Intact
C-O-C Discrepancies: None

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions:

Sample ID	Analyte	QC	Explanation
1605152-001E	Sodium	MS/MSD	High analyte concentration

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.

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Kyle F. Gross
Laboratory Director

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Volatile Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1605152

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Sample Receipt Information:

Date of Receipt: 5/6/2016
Date of Collection: 5/3-5/4/2016
Sample Condition: Intact
C-O-C Discrepancies: None
Method: SW-846 8260C/5030C
Analysis: Volatile Organic Compounds

General Set Comments: Multiple target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605152
Project: 2nd Quarter Groundwater 2016

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-42973	Date Analyzed:		05/17/2016 1336h										
Test Code: 200.7-DIS	Date Prepared:		05/11/2016 1328h										
Calcium	10.0	mg/L	E200.7	0.0579	1.00	10.00	0	100	85 - 115				
Magnesium	10.5	mg/L	E200.7	0.0495	1.00	10.00	0	105	85 - 115				
Potassium	10.4	mg/L	E200.7	0.121	1.00	10.00	0	104	85 - 115				
Sodium	10.4	mg/L	E200.7	0.0125	1.00	10.00	0	104	85 - 115				
Vanadium	0.196	mg/L	E200.7	0.000750	0.00500	0.2000	0	97.9	85 - 115				
Lab Sample ID: LCS-42974	Date Analyzed:		05/12/2016 1410h										
Test Code: 200.8-DIS	Date Prepared:		05/11/2016 1328h										
Arsenic	0.209	mg/L	E200.8	0.000540	0.00200	0.2000	0	104	85 - 115				
Beryllium	0.207	mg/L	E200.8	0.000177	0.00200	0.2000	0	104	85 - 115				
Cadmium	0.201	mg/L	E200.8	0.0000666	0.000500	0.2000	0	101	85 - 115				
Chromium	0.198	mg/L	E200.8	0.000998	0.00200	0.2000	0	98.9	85 - 115				
Cobalt	0.194	mg/L	E200.8	0.0000990	0.00400	0.2000	0	97.0	85 - 115				
Copper	0.196	mg/L	E200.8	0.000862	0.00200	0.2000	0	98.1	85 - 115				
Iron	0.993	mg/L	E200.8	0.0274	0.100	1.000	0	99.3	85 - 115				
Lead	0.192	mg/L	E200.8	0.000125	0.00200	0.2000	0	96.1	85 - 115				
Manganese	0.198	mg/L	E200.8	0.000560	0.00200	0.2000	0	99.1	85 - 115				
Molybdenum	0.196	mg/L	E200.8	0.000202	0.00200	0.2000	0	98.0	85 - 115				
Nickel	0.198	mg/L	E200.8	0.000522	0.00200	0.2000	0	98.9	85 - 115				
Selenium	0.214	mg/L	E200.8	0.000310	0.00200	0.2000	0	107	85 - 115				
Silver	0.198	mg/L	E200.8	0.000132	0.00200	0.2000	0	99.1	85 - 115				
Thallium	0.191	mg/L	E200.8	0.0000500	0.00200	0.2000	0	95.5	85 - 115				
Tin	0.987	mg/L	E200.8	0.000372	0.00200	1.000	0	98.7	85 - 115				
Uranium	0.198	mg/L	E200.8	0.0000710	0.00200	0.2000	0	98.9	85 - 115				
Zinc	1.03	mg/L	E200.8	0.00452	0.00500	1.000	0	103	85 - 115				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605152
Project: 2nd Quarter Groundwater 2016

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-42990	Date Analyzed:		05/12/2016 924h										
Test Code: HG-DW-DIS-245.1	Date Prepared:		05/11/2016 1820h										
Mercury	0.00332	mg/L	E245.1	0.00000559	0.000150	0.003330	0	99.8	85 - 115				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605152
Project: 2nd Quarter Groundwater 2016

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-42973													
Date Analyzed: 05/17/2016 1334h													
Test Code: 200.7-DIS													
Date Prepared: 05/11/2016 1328h													
Calcium	< 1.00	mg/L	E200.7	0.0579	1.00								
Magnesium	< 1.00	mg/L	E200.7	0.0495	1.00								
Potassium	< 1.00	mg/L	E200.7	0.121	1.00								
Sodium	< 1.00	mg/L	E200.7	0.0125	1.00								
Vanadium	< 0.00500	mg/L	E200.7	0.000750	0.00500								
Lab Sample ID: MB-42974													
Date Analyzed: 05/12/2016 1407h													
Test Code: 200.8-DIS													
Date Prepared: 05/11/2016 1328h													
Arsenic	< 0.00200	mg/L	E200.8	0.000540	0.00200								
Cadmium	< 0.000500	mg/L	E200.8	0.0000666	0.000500								
Chromium	< 0.00200	mg/L	E200.8	0.000998	0.00200								
Cobalt	< 0.00400	mg/L	E200.8	0.0000990	0.00400								
Copper	< 0.00200	mg/L	E200.8	0.000862	0.00200								
Manganese	< 0.00200	mg/L	E200.8	0.000560	0.00200								
Molybdenum	< 0.00200	mg/L	E200.8	0.000202	0.00200								
Nickel	< 0.00200	mg/L	E200.8	0.000522	0.00200								
Selenium	< 0.00200	mg/L	E200.8	0.000310	0.00200								
Silver	< 0.00200	mg/L	E200.8	0.000132	0.00200								
Tin	< 0.00200	mg/L	E200.8	0.000372	0.00200								
Zinc	< 0.00500	mg/L	E200.8	0.00452	0.00500								
Lab Sample ID: MB-42974													
Date Analyzed: 05/12/2016 1758h													
Test Code: 200.8-DIS													
Date Prepared: 05/11/2016 1328h													
Beryllium	< 0.000500	mg/L	E200.8	0.0000443	0.000500								
Iron	< 0.0250	mg/L	E200.8	0.00685	0.0250								
Lead	< 0.000500	mg/L	E200.8	0.0000312	0.000500								
Thallium	< 0.000500	mg/L	E200.8	0.0000125	0.000500								



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605152
Project: 2nd Quarter Groundwater 2016

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-42974	Date Analyzed:	05/12/2016	1836h										
Test Code: 200.8-DIS	Date Prepared:	05/11/2016	1328h										
Uranium	< 0.000200	mg/L	E200.8	0.00000710	0.000200								
Lab Sample ID: MB-42990	Date Analyzed:	05/12/2016	922h										
Test Code: HG-DW-DIS-245.1	Date Prepared:	05/11/2016	1820h										
Mercury	< 0.000150	mg/L	E245.1	0.00000559	0.000150								



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605152
Project: 2nd Quarter Groundwater 2016

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: 1605152-001EMS													
Date Analyzed: 05/17/2016 1340h													
Test Code: 200.7-DIS													
Date Prepared: 05/11/2016 1328h													
Sodium	602	mg/L	E200.7	1.25	100	10.00	613	-112	70 - 130				2
Lab Sample ID: 1605152-001EMS													
Date Analyzed: 05/17/2016 1430h													
Test Code: 200.7-DIS													
Date Prepared: 05/11/2016 1328h													
Calcium	84.6	mg/L	E200.7	0.579	10.0	10.00	75.6	89.2	70 - 130				
Magnesium	33.8	mg/L	E200.7	0.495	10.0	10.00	23.8	101	70 - 130				
Lab Sample ID: 1605152-001EMS													
Date Analyzed: 05/17/2016 1602h													
Test Code: 200.7-DIS													
Date Prepared: 05/11/2016 1328h													
Potassium	17.1	mg/L	E200.7	0.121	1.00	10.00	6.98	102	70 - 130				
Vanadium	0.197	mg/L	E200.7	0.000750	0.00500	0.2000	0	98.7	70 - 130				
Lab Sample ID: 1605152-001EMS													
Date Analyzed: 05/12/2016 1423h													
Test Code: 200.8-DIS													
Date Prepared: 05/11/2016 1328h													
Arsenic	0.213	mg/L	E200.8	0.000540	0.00200	0.2000	0	106	75 - 125				
Beryllium	0.200	mg/L	E200.8	0.000177	0.00200	0.2000	0	100	75 - 125				
Cadmium	0.198	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000417	99.1	75 - 125				
Chromium	0.197	mg/L	E200.8	0.000998	0.00200	0.2000	0	98.4	75 - 125				
Cobalt	0.194	mg/L	E200.8	0.0000990	0.00400	0.2000	0.000444	96.9	75 - 125				
Copper	0.191	mg/L	E200.8	0.000862	0.00200	0.2000	0	95.7	75 - 125				
Iron	1.03	mg/L	E200.8	0.0274	0.100	1.000	0.0454	98.8	75 - 125				
Lead	0.188	mg/L	E200.8	0.000125	0.00200	0.2000	0	93.8	75 - 125				
Manganese	0.354	mg/L	E200.8	0.000560	0.00200	0.2000	0.159	97.1	75 - 125				
Molybdenum	0.211	mg/L	E200.8	0.000202	0.00200	0.2000	0.00259	104	75 - 125				
Nickel	0.196	mg/L	E200.8	0.000522	0.00200	0.2000	0.000684	97.5	75 - 125				
Selenium	0.208	mg/L	E200.8	0.000310	0.00200	0.2000	0	104	75 - 125				
Silver	0.191	mg/L	E200.8	0.000132	0.00200	0.2000	0.000102	95.5	75 - 125				
Thallium	0.186	mg/L	E200.8	0.0000500	0.00200	0.2000	0	92.8	75 - 125				
Tin	1.03	mg/L	E200.8	0.000372	0.00200	1.000	0.00116	103	75 - 125				

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 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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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605152
Project: 2nd Quarter Groundwater 2016

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: 1605152-001EMS	Date Analyzed:	05/12/2016	1423h										
Test Code: 200.8-DIS	Date Prepared:	05/11/2016	1328h										
Uranium	0.197	mg/L	E200.8	0.0000710	0.00200	0.2000	0.000778	98.3	75 - 125				
Zinc	1.03	mg/L	E200.8	0.00452	0.00500	1.000	0	103	75 - 125				
Lab Sample ID: 1605152-001EMS	Date Analyzed:	05/12/2016	931h										
Test Code: HG-DW-DIS-245.1	Date Prepared:	05/11/2016	1820h										
Mercury	0.00334	mg/L	E245.1	0.00000559	0.000150	0.003330	0.00000833	99.9	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: 1605152
Project: 2nd Quarter Groundwater 2016

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: 1605152-001EMSD Date Analyzed: 05/17/2016 1342h													
Test Code: 200.7-DIS Date Prepared: 05/11/2016 1328h													
Sodium	600	mg/L	E200.7	1.25	100	10.00	613	-139	70 - 130	602	0.450	20	*
Lab Sample ID: 1605152-001EMSD Date Analyzed: 05/17/2016 1439h													
Test Code: 200.7-DIS Date Prepared: 05/11/2016 1328h													
Calcium	83.8	mg/L	E200.7	0.579	10.0	10.00	75.6	82.0	70 - 130	84.6	0.854	20	
Magnesium	33.8	mg/L	E200.7	0.495	10.0	10.00	23.8	101	70 - 130	33.8	0.0280	20	
Lab Sample ID: 1605152-001EMSD Date Analyzed: 05/17/2016 1604h													
Test Code: 200.7-DIS Date Prepared: 05/11/2016 1328h													
Potassium	17.2	mg/L	E200.7	0.121	1.00	10.00	6.98	102	70 - 130	17.1	0.135	20	
Vanadium	0.193	mg/L	E200.7	0.000750	0.00500	0.2000	0	96.6	70 - 130	0.197	2.17	20	
Lab Sample ID: 1605152-001EMSD Date Analyzed: 05/12/2016 1426h													
Test Code: 200.8-DIS Date Prepared: 05/11/2016 1328h													
Arsenic	0.212	mg/L	E200.8	0.000540	0.00200	0.2000	0	106	75 - 125	0.213	0.135	20	
Beryllium	0.200	mg/L	E200.8	0.000177	0.00200	0.2000	0	99.9	75 - 125	0.2	0.0620	20	
Cadmium	0.197	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000417	98.7	75 - 125	0.198	0.355	20	
Chromium	0.195	mg/L	E200.8	0.000998	0.00200	0.2000	0	97.3	75 - 125	0.197	1.12	20	
Cobalt	0.191	mg/L	E200.8	0.0000990	0.00400	0.2000	0.000444	95.2	75 - 125	0.194	1.75	20	
Copper	0.189	mg/L	E200.8	0.000862	0.00200	0.2000	0	94.5	75 - 125	0.191	1.26	20	
Iron	1.03	mg/L	E200.8	0.0274	0.100	1.000	0.0454	98.9	75 - 125	1.03	0.0694	20	
Lead	0.186	mg/L	E200.8	0.000125	0.00200	0.2000	0	92.8	75 - 125	0.188	1.11	20	
Manganese	0.354	mg/L	E200.8	0.000560	0.00200	0.2000	0.159	97.4	75 - 125	0.354	0.172	20	
Molybdenum	0.208	mg/L	E200.8	0.000202	0.00200	0.2000	0.00259	103	75 - 125	0.211	1.12	20	
Nickel	0.195	mg/L	E200.8	0.000522	0.00200	0.2000	0.000684	97.0	75 - 125	0.196	0.567	20	
Selenium	0.205	mg/L	E200.8	0.000310	0.00200	0.2000	0	102	75 - 125	0.208	1.77	20	
Silver	0.190	mg/L	E200.8	0.000132	0.00200	0.2000	0.000102	94.9	75 - 125	0.191	0.698	20	
Thallium	0.184	mg/L	E200.8	0.0000500	0.00200	0.2000	0	92.2	75 - 125	0.186	0.733	20	
Tin	1.03	mg/L	E200.8	0.000372	0.00200	1.000	0.00116	103	75 - 125	1.03	0.316	20	



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605152
Project: 2nd Quarter Groundwater 2016

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: 1605152-001EMSD	Date Analyzed: 05/12/2016 1426h												
Test Code: 200.8-DIS	Date Prepared: 05/11/2016 1328h												
Uranium	0.195	mg/L	E200.8	0.0000710	0.00200	0.2000	0.000778	97.3	75 - 125	0.197	0.954	20	
Zinc	1.03	mg/L	E200.8	0.00452	0.00500	1.000	0	103	75 - 125	1.03	0.122	20	
Lab Sample ID: 1605152-001EMSD	Date Analyzed: 05/12/2016 933h												
Test Code: HG-DW-DIS-245.1	Date Prepared: 05/11/2016 1820h												
Mercury	0.00335	mg/L	E245.1	0.00000559	0.000150	0.003330	0.00000833	100	85 - 115	0.00334	0.399	20	

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: 1605152
Project: 2nd Quarter Groundwater 2016

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: 1605152-001CDUP	Date Analyzed: 05/06/2016 1346h												
Test Code: TDS-W-2540C													
Total Dissolved Solids	2,040	mg/L	SM2540C	17.5	20.0					2000	1.58	5	



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605152
Project: 2nd Quarter Groundwater 2016

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-R90157													
Date Analyzed: 05/12/2016 1547h													
Test Code: 300.0-W													
Chloride	5.02	mg/L	E300.0	0.00516	0.100	5.000	0	100	90 - 110				
Fluoride	5.05	mg/L	E300.0	0.0139	0.100	5.000	0	101	90 - 110				
Sulfate	5.14	mg/L	E300.0	0.0201	0.750	5.000	0	103	90 - 110				
Lab Sample ID: LCS-R89991													
Date Analyzed: 05/10/2016 849h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	50,700	mg/L	SM2320B	0.504	1.00	50,000	0	101	90 - 110				
Lab Sample ID: LCS-42920													
Date Analyzed: 05/09/2016 1654h													
Test Code: NH3-W-350.1													
Date Prepared: 05/09/2016 1250h													
Ammonia (as N)	9.99	mg/L	E350.1	0.0185	0.0500	10.00	0	99.9	90 - 110				
Lab Sample ID: LCS-42926													
Date Analyzed: 05/09/2016 1758h													
Test Code: NH3-W-350.1													
Date Prepared: 05/09/2016 1500h													
Ammonia (as N)	11.0	mg/L	E350.1	0.0185	0.0500	10.00	0	110	90 - 110				
Lab Sample ID: LCSR90285													
Date Analyzed: 05/18/2016 1247h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.02	mg/L	E353.2	0.00833	0.0100	1.000	0	102	90 - 110				
Lab Sample ID: LCS-R89969													
Date Analyzed: 05/06/2016 1346h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	200	mg/L	SM2540C	8.77	10.0	205.0	0	97.6	80 - 120				



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605152
Project: 2nd Quarter Groundwater 2016

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-R90157 Date Analyzed: 05/12/2016 1531h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00516	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0139	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0201	0.750								
Lab Sample ID: MB-R89991 Date Analyzed: 05/10/2016 849h													
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-42920 Date Analyzed: 05/09/2016 1653h													
Test Code: NH3-W-350.1 Date Prepared: 05/09/2016 1250h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-42926 Date Analyzed: 05/09/2016 1729h													
Test Code: NH3-W-350.1 Date Prepared: 05/09/2016 1500h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-R90285 Date Analyzed: 05/18/2016 1246h													
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-R89969 Date Analyzed: 05/06/2016 1346h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605152
Project: 2nd Quarter Groundwater 2016

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: 1605152-008BMS Date Analyzed: 05/12/2016 1836h													
Test Code: 300.0-W													
Chloride	10,600	mg/L	E300.0	10.3	200	10,000	19.1	106	90 - 110				
Fluoride	10,100	mg/L	E300.0	27.8	200	10,000	0	101	90 - 110				
Sulfate	12,600	mg/L	E300.0	40.2	1,500	10,000	2170	104	90 - 110				
Lab Sample ID: 1605152-001BMS Date Analyzed: 05/10/2016 849h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	352	mg/L	SM2320B	0.504	1.00	50.00	303	98.0	80 - 120				
Lab Sample ID: 1605152-008DMS Date Analyzed: 05/09/2016 1727h													
Test Code: NH3-W-350.1 Date Prepared: 05/09/2016 1250h													
Ammonia (as N)	11.5	mg/L	E350.1	0.0206	0.0556	11.11	0.0458	103	90 - 110				
Lab Sample ID: 1605152-001DMS Date Analyzed: 05/18/2016 1307h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	10.6	mg/L	E353.2	0.0833	0.100	10.00	0.117	105	90 - 110				



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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605152
Project: 2nd Quarter Groundwater 2016

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: 1605152-008BMSD Date Analyzed: 05/12/2016 1853h													
Test Code: 300.0-W													
Chloride	10,000	mg/L	E300.0	10.3	200	10,000	19.1	100	90 - 110	10600	5.56	20	
Fluoride	10,100	mg/L	E300.0	27.8	200	10,000	0	101	90 - 110	10100	0.207	20	
Sulfate	12,000	mg/L	E300.0	40.2	1,500	10,000	2170	98.5	90 - 110	12600	4.32	20	
Lab Sample ID: 1605152-001BMSD Date Analyzed: 05/10/2016 849h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	353	mg/L	SM2320B	0.504	1.00	50.00	303	99.8	80 - 120	352	0.256	10	
Lab Sample ID: 1605152-008DMSD Date Analyzed: 05/09/2016 1728h													
Test Code: NH3-W-350.1 Date Prepared: 05/09/2016 1250h													
Ammonia (as N)	11.5	mg/L	E350.1	0.0206	0.0556	11.11	0.0458	103	90 - 110	11.5	0.234	10	
Lab Sample ID: 1605152-001DMSD Date Analyzed: 05/18/2016 1308h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	9.99	mg/L	E353.2	0.0833	0.100	10.00	0.117	98.7	90 - 110	10.6	5.82	10	



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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605152
Project: 2nd Quarter Groundwater 2016

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 050616A Date Analyzed: 05/06/2016 1122h													
Test Code: 8260-W-DEN100													
Benzene	21.6	µg/L	SW8260C	0.270	1.00	20.00	0	108	82 - 132				
Chloroform	21.5	µg/L	SW8260C	0.153	1.00	20.00	0	107	85 - 124				
Methylene chloride	20.9	µg/L	SW8260C	0.172	1.00	20.00	0	104	81 - 135				
Naphthalene	19.2	µg/L	SW8260C	0.587	1.00	20.00	0	96.1	63 - 129				
Tetrahydrofuran	16.3	µg/L	SW8260C	0.516	1.00	20.00	0	81.7	59 - 120				
Toluene	20.8	µg/L	SW8260C	0.183	1.00	20.00	0	104	78 - 130				
Xylenes, Total	65.2	µg/L	SW8260C	0.857	1.00	60.00	0	109	70 - 138				
Surr: 1,2-Dichloroethane-d4	52.9	µg/L	SW8260C			50.00		106	80 - 122				
Surr: 4-Bromofluorobenzene	48.0	µg/L	SW8260C			50.00		96.0	85 - 121				
Surr: Dibromofluoromethane	51.6	µg/L	SW8260C			50.00		103	80 - 116				
Surr: Toluene-d8	50.0	µg/L	SW8260C			50.00		100	81 - 123				
Lab Sample ID: LCS VOC-1 050916A Date Analyzed: 05/09/2016 1104h													
Test Code: 8260-W-DEN100													
Benzene	21.8	µg/L	SW8260C	0.270	1.00	20.00	0	109	82 - 132				
Chloroform	21.4	µg/L	SW8260C	0.153	1.00	20.00	0	107	85 - 124				
Methylene chloride	21.4	µg/L	SW8260C	0.172	1.00	20.00	0	107	81 - 135				
Naphthalene	19.0	µg/L	SW8260C	0.587	1.00	20.00	0	94.8	63 - 129				
Tetrahydrofuran	17.6	µg/L	SW8260C	0.516	1.00	20.00	0	87.8	59 - 120				
Toluene	22.5	µg/L	SW8260C	0.183	1.00	20.00	0	112	78 - 130				
Xylenes, Total	69.0	µg/L	SW8260C	0.857	1.00	60.00	0	115	70 - 138				
Surr: 1,2-Dichloroethane-d4	42.2	µg/L	SW8260C			50.00		84.4	80 - 122				
Surr: 4-Bromofluorobenzene	48.5	µg/L	SW8260C			50.00		96.9	85 - 121				
Surr: Dibromofluoromethane	52.5	µg/L	SW8260C			50.00		105	80 - 116				
Surr: Toluene-d8	54.1	µg/L	SW8260C			50.00		108	81 - 123				



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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605152
Project: 2nd Quarter Groundwater 2016

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 050616A Date Analyzed: 05/06/2016 1201h													
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	53.2	µg/L	SW8260C			50.00		106	80 - 122				
Surr: 4-Bromofluorobenzene	48.4	µg/L	SW8260C			50.00		96.8	85 - 121				
Surr: Dibromofluoromethane	51.1	µg/L	SW8260C			50.00		102	80 - 116				
Surr: Toluene-d8	49.9	µg/L	SW8260C			50.00		99.8	81 - 123				

Lab Sample ID: MB VOC-1 050916A Date Analyzed: 05/09/2016 1143h													
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: 1605152
Project: 2nd Quarter Groundwater 2016

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 050916A	Date Analyzed: 05/09/2016 1143h												
Test Code: 8260-W-DEN100													
Xylenes, Total	< 1.00	µg/L	SW8260C	0.857	1.00								
Surr: 1,2-Dichloroethane-d4	44.6	µg/L	SW8260C			50.00		89.2	80 - 122				
Surr: 4-Bromofluorobenzene	48.7	µg/L	SW8260C			50.00		97.5	85 - 121				
Surr: Dibromofluoromethane	51.2	µg/L	SW8260C			50.00		102	80 - 116				
Surr: Toluene-d8	50.3	µg/L	SW8260C			50.00		101	81 - 123				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605152
Project: 2nd Quarter Groundwater 2016

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: 1605152-001AMS		Date Analyzed: 05/06/2016 1702h											
Test Code: 8260-W-DEN100													
Benzene	21.3	µg/L	SW8260C	0.270	1.00	20.00	0	106	66 - 145				
Chloroform	20.7	µg/L	SW8260C	0.153	1.00	20.00	0	104	50 - 146				
Methylene chloride	20.9	µg/L	SW8260C	0.172	1.00	20.00	0	104	30 - 192				
Naphthalene	17.5	µg/L	SW8260C	0.587	1.00	20.00	0	87.6	41 - 131				
Tetrahydrofuran	21.9	µg/L	SW8260C	0.516	1.00	20.00	0	109	43 - 146				
Toluene	20.5	µg/L	SW8260C	0.183	1.00	20.00	0	102	18 - 192				
Xylenes, Total	62.8	µg/L	SW8260C	0.857	1.00	60.00	0	105	42 - 167				
Surr: 1,2-Dichloroethane-d4	52.9	µg/L	SW8260C			50.00		106	72 - 151				
Surr: 4-Bromofluorobenzene	47.4	µg/L	SW8260C			50.00		94.7	80 - 152				
Surr: Dibromofluoromethane	50.8	µg/L	SW8260C			50.00		102	80 - 124				
Surr: Toluene-d8	49.4	µg/L	SW8260C			50.00		98.8	77 - 129				
Lab Sample ID: 1605159-001AMS		Date Analyzed: 05/09/2016 1539h											
Test Code: 8260-W-DEN100													
Benzene	218	µg/L	SW8260C	2.70	10.0	200.0	0	109	66 - 145				
Chloroform	206	µg/L	SW8260C	1.53	10.0	200.0	0	103	50 - 146				
Methylene chloride	210	µg/L	SW8260C	1.72	10.0	200.0	0	105	30 - 192				
Naphthalene	205	µg/L	SW8260C	5.87	10.0	200.0	0	102	41 - 131				
Tetrahydrofuran	210	µg/L	SW8260C	5.16	10.0	200.0	0	105	43 - 146				
Toluene	210	µg/L	SW8260C	1.83	10.0	200.0	0	105	18 - 192				
Xylenes, Total	1,140	µg/L	SW8260C	8.57	10.0	600.0	545	99.6	42 - 167				
Surr: 1,2-Dichloroethane-d4	430	µg/L	SW8260C			500.0		86.0	72 - 151				
Surr: 4-Bromofluorobenzene	490	µg/L	SW8260C			500.0		98.0	80 - 152				
Surr: Dibromofluoromethane	518	µg/L	SW8260C			500.0		104	80 - 124				
Surr: Toluene-d8	504	µg/L	SW8260C			500.0		101	77 - 129				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605152
Project: 2nd Quarter Groundwater 2016

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: 1605152-001AMSD Date Analyzed: 05/06/2016 1722h													
Test Code: 8260-W-DEN100													
Benzene	21.4	µg/L	SW8260C	0.270	1.00	20.00	0	107	66 - 145	21.3	0.702	25	
Chloroform	20.3	µg/L	SW8260C	0.153	1.00	20.00	0	101	50 - 146	20.7	2.20	25	
Methylene chloride	20.9	µg/L	SW8260C	0.172	1.00	20.00	0	104	30 - 192	20.9	0.192	25	
Naphthalene	17.9	µg/L	SW8260C	0.587	1.00	20.00	0	89.6	41 - 131	17.5	2.31	25	
Tetrahydrofuran	21.3	µg/L	SW8260C	0.516	1.00	20.00	0	107	43 - 146	21.9	2.45	25	
Toluene	20.3	µg/L	SW8260C	0.183	1.00	20.00	0	102	18 - 192	20.5	0.637	25	
Xylenes, Total	62.0	µg/L	SW8260C	0.857	1.00	60.00	0	103	42 - 167	62.8	1.35	25	
Surr: 1,2-Dichloroethane-d4	52.2	µg/L	SW8260C			50.00		104	72 - 151				
Surr: 4-Bromofluorobenzene	48.8	µg/L	SW8260C			50.00		97.7	80 - 152				
Surr: Dibromofluoromethane	50.9	µg/L	SW8260C			50.00		102	80 - 124				
Surr: Toluene-d8	50.3	µg/L	SW8260C			50.00		101	77 - 129				
Lab Sample ID: 1605159-001AMSD Date Analyzed: 05/09/2016 1559h													
Test Code: 8260-W-DEN100													
Benzene	226	µg/L	SW8260C	2.70	10.0	200.0	0	113	66 - 145	218	3.20	25	
Chloroform	217	µg/L	SW8260C	1.53	10.0	200.0	0	109	50 - 146	206	5.29	25	
Methylene chloride	209	µg/L	SW8260C	1.72	10.0	200.0	0	105	30 - 192	210	0.334	25	
Naphthalene	215	µg/L	SW8260C	5.87	10.0	200.0	0	108	41 - 131	205	5.05	25	
Tetrahydrofuran	220	µg/L	SW8260C	5.16	10.0	200.0	0	110	43 - 146	210	4.60	25	
Toluene	234	µg/L	SW8260C	1.83	10.0	200.0	0	117	18 - 192	210	10.7	25	
Xylenes, Total	1,260	µg/L	SW8260C	8.57	10.0	600.0	545	120	42 - 167	1140	10.1	25	
Surr: 1,2-Dichloroethane-d4	447	µg/L	SW8260C			500.0		89.4	72 - 151				
Surr: 4-Bromofluorobenzene	496	µg/L	SW8260C			500.0		99.1	80 - 152				
Surr: Dibromofluoromethane	522	µg/L	SW8260C			500.0		104	80 - 124				
Surr: Toluene-d8	542	µg/L	SW8260C			500.0		108	77 - 129				

WORK ORDER Summary

Work Order: **1605152** Page 1 of 6

Client: Energy Fuels Resources, Inc.

Due Date: 5/20/2016

Client ID: DEN100

Contact: Garrin Palmer

Project: 2nd Quarter Groundwater 2016

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: Run NO2/NO3 as a 10X. 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	
1605152-001A	MW-11_05032016	5/3/2016 1540h	5/6/2016 1015h	8260-W-DEN100	Aqueous	VOCFridge	3
<i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>							
1605152-001B				300.0-W		df - wc	1
<i>3 SEL Analytes: CL F SO4</i>							
				ALK-W-2320B-LL		df - wc	
<i>2 SEL Analytes: ALKB ALKC</i>							
1605152-001C				TDS-W-2540C		ww - tds	
<i>1 SEL Analytes: TDS</i>							
1605152-001D				NH3-W-350.1		df - no2/no3 & nh3	
<i>1 SEL Analytes: NH3N</i>							
				NH3-W-PR		df - no2/no3 & nh3	
				NO2/NO3-W-353.2		df - no2/no3 & nh3	
<i>1 SEL Analytes: NO3NO2N</i>							
1605152-001E				200.7-DIS		df-met	
<i>5 SEL Analytes: CA MG K NA V</i>							
				200.7-DIS-PR		df-met	
				200.8-DIS		df-met	
<i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>							
				200.8-DIS-PR		df-met	
				HG-DW-DIS-245.1		df-met	
<i>1 SEL Analytes: HG</i>							
				HG-DW-DIS-PR		df-met	
				IONBALANCE		df-met	
<i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>							
1605152-002A	MW-14_05042016	5/4/2016 1010h	5/6/2016 1015h	8260-W-DEN100	Aqueous	VOCFridge	3
<i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>							
1605152-002B				300.0-W		df - wc	1
<i>3 SEL Analytes: CL F SO4</i>							
				ALK-W-2320B-LL		df - wc	
<i>2 SEL Analytes: ALKB ALKC</i>							

WORK ORDER Summary

Work Order: **1605152** Page 2 of 6

Client: Energy Fuels Resources, Inc.

Due Date: 5/20/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel Storage	
1605152-002C	MW-14_05042016	5/4/2016 1010h	5/6/2016 1015h	TDS-W-2540C	Aqueous	ww - tds	1
				<i>1 SEL Analytes: TDS</i>			
1605152-002D				NH3-W-350.1		df - no2/no3 & nh3	
				<i>1 SEL Analytes: NH3N</i>			
				NH3-W-PR		df - no2/no3 & nh3	
				NO2/NO3-W-353.2		df - no2/no3 & nh3	
				<i>1 SEL Analytes: NO3NO2N</i>			
1605152-002E				200.7-DIS		df-met	
				<i>5 SEL Analytes: CA MG K NA V</i>			
				200.7-DIS-PR		df-met	
				200.8-DIS		df-met	
				<i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>			
				200.8-DIS-PR		df-met	
				HG-DW-DIS-245.1		df-met	
				<i>1 SEL Analytes: HG</i>			
				HG-DW-DIS-PR		df-met	
				IONBALANCE		df-met	
				<i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>			
1605152-003A	MW-25_05032016	5/3/2016 1055h	5/6/2016 1015h	8260-W-DEN100	Aqueous	VOCFridge	3
				<i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>			
1605152-003B				300.0-W		df - wc	1
				<i>3 SEL Analytes: CL F SO4</i>			
				ALK-W-2320B-LL		df - wc	
				<i>2 SEL Analytes: ALKB ALKC</i>			
1605152-003C				TDS-W-2540C		ww - tds	
				<i>1 SEL Analytes: TDS</i>			
1605152-003D				NH3-W-350.1		df - no2/no3 & nh3	
				<i>1 SEL Analytes: NH3N</i>			
				NH3-W-PR		df - no2/no3 & nh3	
				NO2/NO3-W-353.2		df - no2/no3 & nh3	
				<i>1 SEL Analytes: NO3NO2N</i>			
1605152-003E				200.7-DIS		df-met	
				<i>5 SEL Analytes: CA MG K NA V</i>			
				200.7-DIS-PR		df-met	
				200.8-DIS		df-met	
				<i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>			
				200.8-DIS-PR		df-met	

WORK ORDER Summary

Work Order: **1605152** Page 3 of 6

Client: Energy Fuels Resources, Inc.

Due Date: 5/20/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1605152-003E	MW-25_05032016	5/3/2016 1055h	5/6/2016 1015h	HG-DW-DIS-245.1 <i>1 SEL Analytes: HG</i>	Aqueous		df-met	1
				HG-DW-DIS-PR			df-met	
				IONBALANCE <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>			df-met	
1605152-004A	MW-26_05042016	5/4/2016 1230h	5/6/2016 1015h	8260-W-DEN100 <i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>	Aqueous		VOCFridge	3
1605152-004B				300.0-W <i>3 SEL Analytes: CL F SO4</i>			df - wc	1
				ALK-W-2320B-LL <i>2 SEL Analytes: ALKB ALKC</i>			df - wc	
1605152-004C				TDS-W-2540C <i>1 SEL Analytes: TDS</i>			ww - tds	
1605152-004D				NH3-W-350.1 <i>1 SEL Analytes: NH3N</i>			df - no2/no3 & nh3	
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>			df - no2/no3 & nh3	
1605152-004E				200.7-DIS <i>5 SEL Analytes: CA MG K NA V</i>			df-met	
				200.7-DIS-PR			df-met	
				200.8-DIS <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>			df-met	
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1 <i>1 SEL Analytes: HG</i>			df-met	
				HG-DW-DIS-PR			df-met	
				IONBALANCE <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>			df-met	
1605152-005A	MW-30_05042016	5/4/2016 1050h	5/6/2016 1015h	8260-W-DEN100 <i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>	Aqueous		VOCFridge	3
1605152-005B				300.0-W <i>3 SEL Analytes: CL F SO4</i>			df - wc	1
				ALK-W-2320B-LL <i>2 SEL Analytes: ALKB ALKC</i>			df - wc	
1605152-005C				TDS-W-2540C <i>1 SEL Analytes: TDS</i>			ww - tds	

WORK ORDER Summary

Work Order: **1605152** Page 4 of 6

Client: Energy Fuels Resources, Inc.

Due Date: 5/20/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel Storage	
1605152-005D	MW-30_05042016	5/4/2016 1050h	5/6/2016 1015h	NH3-W-350.1	Aqueous	df - no2/no3 & nh3	1
				<i>1 SEL Analytes: NH3N</i>			
				NH3-W-PR		df - no2/no3 & nh3	
1605152-005E				NO2/NO3-W-353.2		df - no2/no3 & nh3	
				<i>1 SEL Analytes: NO3NO2N</i>			
				200.7-DIS		df-met	
				<i>5 SEL Analytes: CA MG K NA V</i>			
				200.7-DIS-PR		df-met	
				200.8-DIS		df-met	
				<i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>			
				200.8-DIS-PR		df-met	
				HG-DW-DIS-245.1		df-met	
				<i>1 SEL Analytes: HG</i>			
HG-DW-DIS-PR		df-met					
		df-met					
		<i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>					
1605152-006A	MW-31_05032016	5/3/2016 1300h	5/6/2016 1015h	8260-W-DEN100	Aqueous	VOCFridge	3
				<i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>			
1605152-006B				300.0-W		df - wc	1
				<i>3 SEL Analytes: CL F SO4</i>			
1605152-006C				ALK-W-2320B-LL		df - wc	
				<i>2 SEL Analytes: ALKB ALKC</i>			
1605152-006D				TDS-W-2540C		ww - tds	
				<i>1 SEL Analytes: TDS</i>			
1605152-006D				NH3-W-350.1		df - no2/no3 & nh3	
				<i>1 SEL Analytes: NH3N</i>			
				NH3-W-PR		df - no2/no3 & nh3	
1605152-006E				NO2/NO3-W-353.2		df - no2/no3 & nh3	
				<i>1 SEL Analytes: NO3NO2N</i>			
				200.7-DIS		df-met	
				<i>5 SEL Analytes: CA MG K NA V</i>			
				200.7-DIS-PR		df-met	
				200.8-DIS		df-met	
<i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>							
200.8-DIS-PR		df-met					
HG-DW-DIS-245.1		df-met					
<i>1 SEL Analytes: HG</i>							

WORK ORDER Summary

Work Order: **1605152** Page 5 of 6

Client: Energy Fuels Resources, Inc.

Due Date: 5/20/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1605152-006E	MW-31_05032016	5/3/2016 1300h	5/6/2016 1015h	HG-DW-DIS-PR IONBALANCE 5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc	Aqueous	df-met	1
1605152-007A	MW-35_05032016	5/3/2016 1430h	5/6/2016 1015h	8260-W-DEN100 Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4	Aqueous	VOCFridge	3
1605152-007B				300.0-W 3 SEL Analytes: CL F SO4		df - wc	1
1605152-007C				ALK-W-2320B-LL 2 SEL Analytes: ALKB ALKC		df - wc	
1605152-007D				TDS-W-2540C 1 SEL Analytes: TDS		ww - tds	
1605152-007E				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	
				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	
1605152-008A	MW-70_05042016	5/4/2016 1010h	5/6/2016 1015h	8260-W-DEN100 Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4	Aqueous	VOCFridge	3
1605152-008B				300.0-W 3 SEL Analytes: CL F SO4		df - wc	1
1605152-008C				ALK-W-2320B-LL 2 SEL Analytes: ALKB ALKC		df - wc	
1605152-008D				TDS-W-2540C 1 SEL Analytes: TDS		ww - tds	
				NH3-W-350.1 1 SEL Analytes: NH3N		df - no2/no3 & nh3	
				NH3-W-PR		df - no2/no3 & nh3	

WORK ORDER Summary

Work Order: **1605152** Page 6 of 6

Client: Energy Fuels Resources, Inc.

Due Date: 5/20/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel Storage	
1605152-008D	MW-70_05042016	5/4/2016 1010h	5/6/2016 1015h	NO2/NO3-W-353.2 1 SEL Analytes: NO3NO2N	Aqueous	df - no2/no3 & nb3	1
1605152-008E				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	
1605152-009A	Trip Blank	5/3/2016	5/6/2016 1015h	8260-W-DEN100 Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4	Aqueous	VOCFridge	3



**American West
Analytical Laboratories**

463 W. 3600 S. Salt Lake City, UT 84115
 Phone # (801) 263-8686 Toll Free # (888) 263-8686
 Fax # (801) 263-8687 Email awal@awal-labs.com
 www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1605152

AWAL Lab Sample Set #
 Page 1 of 1

Client: **Energy Fuels Resources, Inc.**
 Address: **6425 S. Hwy. 191**
Blanding, UT 84511
 Contact: **Garrin Palmer**
 Phone #: **(435) 678-2221** Cell #:
gpalmer@energyfuels.com; kweinel@energyfuels.com;
 Email: **dturk@energyfuels.com**
 Project Name: **2nd Quarter Groundwater 2016**
 Project #:
 PO #:
 Sampler Name: **TANNER HOLLIDAY**

QC Level:		Turn Around Time:		Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.										
3		Standard												
Sample ID	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NHS (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, Bc, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Ti, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	Known Hazards & Sample Comments
1 MW-11_05032016	5/3/2016	1540	7	w	x	x	x	x	x	x	x	x	x	
2 MW-14_05042016	5/4/2016	1010	7	w	x	x	x	x	x	x	x	x	x	
3 MW-25_05032016	5/3/2016	1055	7	w	x	x	x	x	x	x	x	x	x	
4 MW-26_05042016	5/4/2016	1230	7	w	x	x	x	x	x	x	x	x	x	
5 MW-30_05042016	5/4/2016	1050	7	w	x	x	x	x	x	x	x	x	x	
6 MW-31_05032016	5/3/2016	1300	7	w	x	x	x	x	x	x	x	x	x	
7 MW-35_05032016	5/3/2016	1430	7	w	x	x	x	x	x	x	x	x	x	
8 MW-70_05042016	5/4/2016	1010	7	w	x	x	x	x	x	x	x	x	x	
9 TRIP BLANK	5/3/2016		3	w									x	
10 Temp Blank	5/5/2016		1	w										
11														
12														

Due Date:

Laboratory Use Only

Samples Were: UPS

- Shipped or hand delivered
- Ambient or Chilled
- Temperature 3.5 °C
- Received Broken/Leaking (Improperly Sealed) Y N
- Properly Preserved Y N
Checked at bench Y N
- Received Within Holding Times Y N

COC Tape Was:

- Present on Outer Package Y N NA
- Unbroken on Outer Package Y N NA
- Present on Sample Y N NA
- Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature <i>Tanner Holliday</i>	Date: 5/5/2016	Received by: Signature <i>Elma Hayes</i>	Date: 5/6/16
Print Name: TANNER HOLLIDAY	Time: 1230	Print Name: Elma Hayes	Time: 1015
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.



Garrin Palmer
Energy Fuels Resources, Inc.
6425 South Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: 2nd Quarter Groundwater 2016

Dear Garrin Palmer:

Lab Set ID: 1605438

3440 South 700 West
Salt Lake City, UT 84119

American West Analytical Laboratories received sample(s) on 5/20/2016 for the analyses presented in the following report.

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

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.

web: www.awal-labs.com

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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: 2016.06.07 13:34:58 -06'00'

Laboratory Director or designee



SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1605438
Date Received: 5/20/2016 940h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1605438-001A	MW-37_05182016	5/18/2016 818h	Aqueous	VOA by GC/MS Method 8260C/5030C
1605438-001B	MW-37_05182016	5/18/2016 818h	Aqueous	Anions, E300.0
1605438-001B	MW-37_05182016	5/18/2016 818h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1605438-001C	MW-37_05182016	5/18/2016 818h	Aqueous	Total Dissolved Solids, A2540C
1605438-001D	MW-37_05182016	5/18/2016 818h	Aqueous	Nitrite/Nitrate (as N), E353.2
1605438-001D	MW-37_05182016	5/18/2016 818h	Aqueous	Ammonia, Aqueous
1605438-001E	MW-37_05182016	5/18/2016 818h	Aqueous	ICP Metals, Dissolved
1605438-001E	MW-37_05182016	5/18/2016 818h	Aqueous	ICPMS Metals, Dissolved
1605438-001E	MW-37_05182016	5/18/2016 818h	Aqueous	Mercury, Drinking Water Dissolved
1605438-001E	MW-37_05182016	5/18/2016 818h	Aqueous	Ion Balance
1605438-002A	MW-23_05182016	5/18/2016 1210h	Aqueous	VOA by GC/MS Method 8260C/5030C
1605438-002B	MW-23_05182016	5/18/2016 1210h	Aqueous	Anions, E300.0
1605438-002B	MW-23_05182016	5/18/2016 1210h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1605438-002C	MW-23_05182016	5/18/2016 1210h	Aqueous	Total Dissolved Solids, A2540C
1605438-002D	MW-23_05182016	5/18/2016 1210h	Aqueous	Ammonia, Aqueous
1605438-002D	MW-23_05182016	5/18/2016 1210h	Aqueous	Nitrite/Nitrate (as N), E353.2
1605438-002E	MW-23_05182016	5/18/2016 1210h	Aqueous	ICP Metals, Dissolved
1605438-002E	MW-23_05182016	5/18/2016 1210h	Aqueous	ICPMS Metals, Dissolved
1605438-002E	MW-23_05182016	5/18/2016 1210h	Aqueous	Mercury, Drinking Water Dissolved
1605438-002E	MW-23_05182016	5/18/2016 1210h	Aqueous	Ion Balance
1605438-003A	MW-20_05182016	5/18/2016 1006h	Aqueous	VOA by GC/MS Method 8260C/5030C
1605438-003B	MW-20_05182016	5/18/2016 1006h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1605438-003B	MW-20_05182016	5/18/2016 1006h	Aqueous	Anions, E300.0
1605438-003C	MW-20_05182016	5/18/2016 1006h	Aqueous	Total Dissolved Solids, A2540C
1605438-003D	MW-20_05182016	5/18/2016 1006h	Aqueous	Ammonia, Aqueous
1605438-003D	MW-20_05182016	5/18/2016 1006h	Aqueous	Nitrite/Nitrate (as N), E353.2
1605438-003E	MW-20_05182016	5/18/2016 1006h	Aqueous	ICP Metals, Dissolved
1605438-003E	MW-20_05182016	5/18/2016 1006h	Aqueous	ICPMS Metals, Dissolved
1605438-003E	MW-20_05182016	5/18/2016 1006h	Aqueous	Mercury, Drinking Water Dissolved



Client: Energy Fuels Resources, Inc.
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1605438
Date Received: 5/20/2016 940h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1605438-003E	MW-20_05182016	5/18/2016 1006h	Aqueous	Ion Balance
1605438-004A	Trip Blank	5/18/2016 1006h	Aqueous	VOA by GC/MS Method 8260C/5030C

3440 South 700 West

Salt Lake City, UT 84119

Phone: (801) 263-8686

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1605438

Sample Receipt Information:

Date of Receipt: 5/20/2016
Date of Collection: 5/18/2016
Sample Condition: Intact
C-O-C Discrepancies: None

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions:

Sample ID	Analyte	QC	Explanation
1605438-003E	Calcium	MS	High analyte concentrations
1605438-003E	Sodium	MS	High analyte concentrations
1605438-003D	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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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



Volatile Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 2nd Quarter Groundwater 2016
Lab Set ID: 1605438

Sample Receipt Information:

Date of Receipt: 5/20/2016
Date of Collection: 5/18/2016
Sample Condition: Intact
C-O-C Discrepancies: None
Method: SW-846 8260C/5030C
Analysis: Volatile Organic Compounds

General Set Comments: No target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605438
Project: 2nd Quarter Groundwater 2016

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-43159													
Date Analyzed:		05/27/2016 1141h											
Test Code:		200.7-DIS											
Date Prepared:		05/23/2016 1147h											
Calcium	10.2	mg/L	E200.7	0.0579	1.00	10.00	0	102	85 - 115				
Magnesium	10.1	mg/L	E200.7	0.0495	1.00	10.00	0	101	85 - 115				
Potassium	9.81	mg/L	E200.7	0.121	1.00	10.00	0	98.1	85 - 115				
Sodium	10.4	mg/L	E200.7	0.0125	1.00	10.00	0	104	85 - 115				
Vanadium	0.198	mg/L	E200.7	0.000750	0.00500	0.2000	0	98.8	85 - 115				
Lab Sample ID: LCS-43160													
Date Analyzed:		05/25/2016 1739h											
Test Code:		200.8-DIS											
Date Prepared:		05/23/2016 1147h											
Arsenic	0.208	mg/L	E200.8	0.000540	0.00200	0.2000	0	104	85 - 115				
Beryllium	0.201	mg/L	E200.8	0.000177	0.00200	0.2000	0	101	85 - 115				
Cadmium	0.200	mg/L	E200.8	0.0000666	0.000500	0.2000	0	100	85 - 115				
Chromium	0.194	mg/L	E200.8	0.000998	0.00200	0.2000	0	97.2	85 - 115				
Cobalt	0.194	mg/L	E200.8	0.0000990	0.00400	0.2000	0	97.0	85 - 115				
Copper	0.195	mg/L	E200.8	0.000862	0.00200	0.2000	0	97.4	85 - 115				
Iron	0.983	mg/L	E200.8	0.0274	0.100	1.000	0	98.3	85 - 115				
Lead	0.182	mg/L	E200.8	0.000125	0.00200	0.2000	0	91.1	85 - 115				
Manganese	0.198	mg/L	E200.8	0.000560	0.00200	0.2000	0	98.8	85 - 115				
Molybdenum	0.193	mg/L	E200.8	0.000202	0.00200	0.2000	0	96.3	85 - 115				
Nickel	0.197	mg/L	E200.8	0.000522	0.00200	0.2000	0	98.3	85 - 115				
Selenium	0.213	mg/L	E200.8	0.000310	0.00200	0.2000	0	106	85 - 115				
Silver	0.197	mg/L	E200.8	0.000132	0.00200	0.2000	0	98.6	85 - 115				
Thallium	0.181	mg/L	E200.8	0.0000500	0.00200	0.2000	0	90.5	85 - 115				
Tin	0.951	mg/L	E200.8	0.000372	0.00200	1.000	0	95.1	85 - 115				
Uranium	0.188	mg/L	E200.8	0.0000710	0.00200	0.2000	0	94.0	85 - 115				
Zinc	1.01	mg/L	E200.8	0.00452	0.00500	1.000	0	101	85 - 115				
Lab Sample ID: LCS-43258													
Date Analyzed:		05/31/2016 852h											
Test Code:		HG-DW-DIS-245.1											
Date Prepared:		05/27/2016 1322h											
Mercury	0.00346	mg/L	E245.1	0.00000559	0.000150	0.003330	0	104	85 - 115				



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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605438
Project: 2nd Quarter Groundwater 2016

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-43159													
Date Analyzed: 05/27/2016 1138h													
Test Code: 200.7-DIS													
Date Prepared: 05/23/2016 1147h													
Calcium	< 1.00	mg/L	E200.7	0.0579	1.00								
Magnesium	< 1.00	mg/L	E200.7	0.0495	1.00								
Potassium	< 1.00	mg/L	E200.7	0.121	1.00								
Sodium	< 1.00	mg/L	E200.7	0.0125	1.00								
Vanadium	< 0.00500	mg/L	E200.7	0.000750	0.00500								
Lab Sample ID: MB-43160													
Date Analyzed: 05/24/2016 1428h													
Test Code: 200.8-DIS													
Date Prepared: 05/23/2016 1147h													
Uranium	< 0.000200	mg/L	E200.8	0.00000710	0.000200								
Lab Sample ID: MB-43160													
Date Analyzed: 05/25/2016 1736h													
Test Code: 200.8-DIS													
Date Prepared: 05/23/2016 1147h													
Arsenic	< 0.00200	mg/L	E200.8	0.000540	0.00200								
Cadmium	< 0.000500	mg/L	E200.8	0.0000666	0.000500								
Chromium	< 0.00200	mg/L	E200.8	0.000998	0.00200								
Cobalt	< 0.00400	mg/L	E200.8	0.0000990	0.00400								
Copper	< 0.00200	mg/L	E200.8	0.000862	0.00200								
Manganese	< 0.00200	mg/L	E200.8	0.000560	0.00200								
Molybdenum	< 0.00200	mg/L	E200.8	0.000202	0.00200								
Nickel	< 0.00200	mg/L	E200.8	0.000522	0.00200								
Selenium	< 0.00200	mg/L	E200.8	0.000310	0.00200								
Silver	< 0.00200	mg/L	E200.8	0.000132	0.00200								
Tin	< 0.00200	mg/L	E200.8	0.000372	0.00200								
Zinc	< 0.00500	mg/L	E200.8	0.00452	0.00500								
Lab Sample ID: MB-43160													
Date Analyzed: 05/25/2016 1938h													
Test Code: 200.8-DIS													
Date Prepared: 05/23/2016 1147h													
Beryllium	< 0.000500	mg/L	E200.8	0.0000443	0.000500								
Iron	< 0.0250	mg/L	E200.8	0.00685	0.0250								
Lead	< 0.000500	mg/L	E200.8	0.0000312	0.000500								



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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605438
Project: 2nd Quarter Groundwater 2016

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-43160	Date Analyzed:	05/25/2016	1938h										
Test Code: 200.8-DIS	Date Prepared:	05/23/2016	1147h										
Thallium	< 0.000500	mg/L	E200.8	0.0000125	0.000500								
Lab Sample ID: MB-43258	Date Analyzed:	05/31/2016	851h										
Test Code: HG-DW-DIS-245.1	Date Prepared:	05/27/2016	1322h										
Mercury	< 0.000150	mg/L	E245.1	0.00000559	0.000150								



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605438
Project: 2nd Quarter Groundwater 2016

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: 1605438-003EMS													
Date Analyzed:		05/27/2016 1159h											
Test Code:		200.7-DIS											
Date Prepared:		05/23/2016 1147h											
Calcium	344	mg/L	E200.7	5.79	100	10.00	340	39.2	70 - 130				2
Sodium	1,180	mg/L	E200.7	1.25	100	10.00	1190	-100	70 - 130				2
Lab Sample ID: 1605438-003EMS													
Date Analyzed:		05/27/2016 1219h											
Test Code:		200.7-DIS											
Date Prepared:		05/23/2016 1147h											
Vanadium	0.210	mg/L	E200.7	0.000750	0.00500	0.2000	0.0135	98.4	70 - 130				
Lab Sample ID: 1605438-003EMS													
Date Analyzed:		05/27/2016 1306h											
Test Code:		200.7-DIS											
Date Prepared:		05/23/2016 1147h											
Magnesium	20.9	mg/L	E200.7	0.495	10.0	10.00	12.5	83.9	70 - 130				
Potassium	27.0	mg/L	E200.7	1.21	10.0	10.00	18.8	81.9	70 - 130				
Lab Sample ID: 1605438-003EMS													
Date Analyzed:		05/25/2016 1922h											
Test Code:		200.8-DIS											
Date Prepared:		05/23/2016 1147h											
Arsenic	0.213	mg/L	E200.8	0.000540	0.00200	0.2000	0.00244	106	75 - 125				
Beryllium	0.186	mg/L	E200.8	0.000177	0.00200	0.2000	0	92.9	75 - 125				
Cadmium	0.198	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000584	98.8	75 - 125				
Chromium	0.200	mg/L	E200.8	0.000998	0.00200	0.2000	0.00695	96.6	75 - 125				
Cobalt	0.192	mg/L	E200.8	0.0000990	0.00400	0.2000	0.000392	95.8	75 - 125				
Copper	0.188	mg/L	E200.8	0.000862	0.00200	0.2000	0	93.8	75 - 125				
Iron	0.978	mg/L	E200.8	0.0274	0.100	1.000	0.0177	96.0	75 - 125				
Lead	0.175	mg/L	E200.8	0.000125	0.00200	0.2000	0	87.3	75 - 125				
Manganese	0.193	mg/L	E200.8	0.000560	0.00200	0.2000	0.00179	95.7	75 - 125				
Molybdenum	0.232	mg/L	E200.8	0.000202	0.00200	0.2000	0.0198	106	75 - 125				
Nickel	0.193	mg/L	E200.8	0.000522	0.00200	0.2000	0	96.7	75 - 125				
Selenium	0.202	mg/L	E200.8	0.000310	0.00200	0.2000	0.0018	100	75 - 125				
Silver	0.190	mg/L	E200.8	0.000132	0.00200	0.2000	0	95.0	75 - 125				
Thallium	0.174	mg/L	E200.8	0.0000500	0.00200	0.2000	0	86.8	75 - 125				
Tin	1.02	mg/L	E200.8	0.000372	0.00200	1.000	0	102	75 - 125				
Uranium	0.189	mg/L	E200.8	0.0000710	0.00200	0.2000	0.000915	93.8	75 - 125				

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 it by any other person, 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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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605438
Project: 2nd Quarter Groundwater 2016

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: 1605438-003EMS	Date Analyzed: 05/25/2016 1922h												
Test Code: 200.8-DIS	Date Prepared: 05/23/2016 1147h												
Zinc	1.01	mg/L	E200.8	0.00452	0.00500	1.000	0	101	75 - 125				
Lab Sample ID: 1605438-001EMS	Date Analyzed: 05/31/2016 859h												
Test Code: HG-DW-DIS-245.1	Date Prepared: 05/27/2016 1322h												
Mercury	0.00372	mg/L	E245.1	0.00000559	0.000150	0.003330	0	112	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: 1605438
Project: 2nd Quarter Groundwater 2016

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: 1605438-003EMSD													
Date Analyzed: 05/27/2016 1201h													
Test Code: 200.7-DIS													
Date Prepared: 05/23/2016 1147h													
Calcium	349	mg/L	E200.7	5.79	100	10.00	340	89.6	70 - 130	344	1.45	20	
Sodium	1,200	mg/L	E200.7	1.25	100	10.00	1190	96.2	70 - 130	1180	1.65	20	
Lab Sample ID: 1605438-003EMSD													
Date Analyzed: 05/27/2016 1222h													
Test Code: 200.7-DIS													
Date Prepared: 05/23/2016 1147h													
Vanadium	0.202	mg/L	E200.7	0.000750	0.00500	0.2000	0.0135	94.4	70 - 130	0.21	3.85	20	
Lab Sample ID: 1605438-003EMSD													
Date Analyzed: 05/27/2016 1309h													
Test Code: 200.7-DIS													
Date Prepared: 05/23/2016 1147h													
Magnesium	20.3	mg/L	E200.7	0.495	10.0	10.00	12.5	78.5	70 - 130	20.9	2.61	20	
Potassium	26.9	mg/L	E200.7	1.21	10.0	10.00	18.8	80.7	70 - 130	27	0.449	20	
Lab Sample ID: 1605438-003EMSD													
Date Analyzed: 05/25/2016 1925h													
Test Code: 200.8-DIS													
Date Prepared: 05/23/2016 1147h													
Arsenic	0.206	mg/L	E200.8	0.000540	0.00200	0.2000	0.00244	102	75 - 125	0.213	3.79	20	
Beryllium	0.178	mg/L	E200.8	0.000177	0.00200	0.2000	0	88.8	75 - 125	0.186	4.42	20	
Cadmium	0.188	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000584	93.7	75 - 125	0.198	5.21	20	
Chromium	0.189	mg/L	E200.8	0.000998	0.00200	0.2000	0.00695	91.3	75 - 125	0.2	5.50	20	
Cobalt	0.181	mg/L	E200.8	0.0000990	0.00400	0.2000	0.000392	90.5	75 - 125	0.192	5.67	20	
Copper	0.179	mg/L	E200.8	0.000862	0.00200	0.2000	0	89.4	75 - 125	0.188	4.83	20	
Iron	0.918	mg/L	E200.8	0.0274	0.100	1.000	0.0177	90.0	75 - 125	0.978	6.34	20	
Lead	0.164	mg/L	E200.8	0.000125	0.00200	0.2000	0	82.0	75 - 125	0.175	6.32	20	
Manganese	0.185	mg/L	E200.8	0.000560	0.00200	0.2000	0.00179	91.5	75 - 125	0.193	4.43	20	
Molybdenum	0.214	mg/L	E200.8	0.000202	0.00200	0.2000	0.0198	96.9	75 - 125	0.232	8.40	20	
Nickel	0.182	mg/L	E200.8	0.000522	0.00200	0.2000	0	91.2	75 - 125	0.193	5.87	20	
Selenium	0.200	mg/L	E200.8	0.000310	0.00200	0.2000	0.0018	99.0	75 - 125	0.202	1.06	20	
Silver	0.179	mg/L	E200.8	0.000132	0.00200	0.2000	0	89.5	75 - 125	0.19	5.99	20	
Thallium	0.162	mg/L	E200.8	0.0000500	0.00200	0.2000	0	81.2	75 - 125	0.174	6.67	20	
Tin	0.941	mg/L	E200.8	0.000372	0.00200	1.000	0	94.1	75 - 125	1.02	7.76	20	
Uranium	0.178	mg/L	E200.8	0.0000710	0.00200	0.2000	0.000915	88.4	75 - 125	0.189	5.94	20	



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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605438
Project: 2nd Quarter Groundwater 2016

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: 1605438-003EMSD	Date Analyzed: 05/25/2016 1925h												
Test Code: 200.8-DIS	Date Prepared: 05/23/2016 1147h												
Zinc	0.965	mg/L	E200.8	0.00452	0.00500	1.000	0	96.5	75 - 125	1.01	4.47	20	
Lab Sample ID: 1605438-001EMSD	Date Analyzed: 05/31/2016 901h												
Test Code: HG-DW-DIS-245.1	Date Prepared: 05/27/2016 1322h												
Mercury	0.00351	mg/L	E245.1	0.00000559	0.000150	0.003330	0	105	85 - 115	0.00372	5.85	20	



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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605438
Project: 2nd Quarter Groundwater 2016

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: 1605438-001CDUP	Date Analyzed: 05/20/2016 2330h												
Test Code: TDS-W-2540C													
Total Dissolved Solids	3,760	mg/L	SM2540C	17.5	20.0					3630	3.46	5	



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605438
Project: 2nd Quarter Groundwater 2016

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-R90636 Date Analyzed: 05/31/2016 1008h													
Test Code: 300.0-W													
Chloride	5.05	mg/L	E300.0	0.00516	0.100	5.000	0	101	90 - 110				
Fluoride	5.20	mg/L	E300.0	0.0139	0.100	5.000	0	104	90 - 110				
Sulfate	5.19	mg/L	E300.0	0.0201	0.750	5.000	0	104	90 - 110				
Lab Sample ID: LCS-R90388 Date Analyzed: 05/23/2016 710h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	49,900	mg/L	SM2320B	0.504	1.00	50,000	0	99.8	90 - 110				
Lab Sample ID: LCS-43172 Date Analyzed: 05/23/2016 1757h													
Test Code: NH3-W-350.1 Date Prepared: 05/23/2016 1540h													
Ammonia (as N)	10.2	mg/L	E350.1	0.0185	0.0500	10.00	0	102	90 - 110				
Lab Sample ID: LCS-R90645 Date Analyzed: 05/31/2016 1609h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.951	mg/L	E353.2	0.00833	0.0100	1.000	0	95.1	90 - 110				
Lab Sample ID: LCS-R90414 Date Analyzed: 05/20/2016 2330h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	236	mg/L	SM2540C	8.77	10.0	205.0	0	115	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: 1605438
Project: 2nd Quarter Groundwater 2016

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-R90636	Date Analyzed: 05/31/2016 952h												
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00516	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0139	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0201	0.750								
Lab Sample ID: MB-R90388	Date Analyzed: 05/23/2016 710h												
Test Code: ALK-W-2320B-LL													
Bicarbonate (as CaCO ₃)	< 1.00	mg/L	SM2320B	0.504	1.00								
Carbonate (as CaCO ₃)	< 1.00	mg/L	SM2320B	0.504	1.00								
Lab Sample ID: MB-43172	Date Analyzed: 05/23/2016 1756h												
Test Code: NH3-W-350.1	Date Prepared: 05/23/2016 1540h												
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-R90645	Date Analyzed: 05/31/2016 1603h												
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-R90414	Date Analyzed: 05/20/2016 2330h												
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605438
Project: 2nd Quarter Groundwater 2016

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: 1605438-001BMS Date Analyzed: 05/31/2016 1209h													
Test Code: 300.0-W													
Chloride	10,300	mg/L	E300.0	10.3	200	10,000	49.4	103	90 - 110				
Fluoride	10,400	mg/L	E300.0	27.8	200	10,000	0	104	90 - 110				
Sulfate	12,500	mg/L	E300.0	40.2	1,500	10,000	2530	99.5	90 - 110				
Lab Sample ID: 1605438-001BMS Date Analyzed: 05/23/2016 710h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	205	mg/L	SM2320B	0.504	1.00	50.00	155	99.8	80 - 120				
Lab Sample ID: 1605438-003DMS Date Analyzed: 05/23/2016 1758h													
Test Code: NH3-W-350.1 Date Prepared: 05/23/2016 1540h													
Ammonia (as N)	9.75	mg/L	E350.1	0.0206	0.0556	11.11	0.075	87.1	90 - 110				†
Lab Sample ID: 1605438-001DMS Date Analyzed: 05/31/2016 1614h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	9.87	mg/L	E353.2	0.0833	0.100	10.00	0.108	97.6	90 - 110				

† - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.



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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605438
Project: 2nd Quarter Groundwater 2016

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: 1605438-001BMSD Date Analyzed: 05/31/2016 1226h													
Test Code: 300.0-W													
Chloride	10,400	mg/L	E300.0	10.3	200	10,000	49.4	103	90 - 110	10300	0.293	20	
Fluoride	10,500	mg/L	E300.0	27.8	200	10,000	0	105	90 - 110	10400	0.613	20	
Sulfate	12,400	mg/L	E300.0	40.2	1,500	10,000	2530	98.8	90 - 110	12500	0.597	20	
Lab Sample ID: 1605438-001BMSD Date Analyzed: 05/23/2016 710h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	206	mg/L	SM2320B	0.504	1.00	50.00	155	101	80 - 120	205	0.390	10	
Lab Sample ID: 1605438-003DMSD Date Analyzed: 05/23/2016 1759h													
Test Code: NH3-W-350.1 Date Prepared: 05/23/2016 1540h													
Ammonia (as N)	9.79	mg/L	E350.1	0.0206	0.0556	11.11	0.075	87.4	90 - 110	9.75	0.409	10	†
Lab Sample ID: 1605438-001DMSD Date Analyzed: 05/31/2016 1615h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	9.95	mg/L	E353.2	0.0833	0.100	10.00	0.108	98.5	90 - 110	9.87	0.827	10	

† - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.



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Laboratory Director

Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605438
Project: 2nd Quarter Groundwater 2016

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 052016A	Date Analyzed: 05/20/2016 1130h												
Test Code: 8260-W-DEN100													
Benzene	24.7	µg/L	SW8260C	0.270	1.00	20.00	0	123	82 - 132				
Chloroform	22.9	µg/L	SW8260C	0.153	1.00	20.00	0	114	85 - 124				
Methylene chloride	25.9	µg/L	SW8260C	0.172	1.00	20.00	0	130	81 - 135				
Naphthalene	20.8	µg/L	SW8260C	0.587	1.00	20.00	0	104	63 - 129				
Tetrahydrofuran	20.1	µg/L	SW8260C	0.516	1.00	20.00	0	100	59 - 120				
Toluene	24.2	µg/L	SW8260C	0.183	1.00	20.00	0	121	78 - 130				
Xylenes, Total	70.5	µg/L	SW8260C	0.857	1.00	60.00	0	117	70 - 138				
Surr: 1,2-Dichloroethane-d4	52.0	µg/L	SW8260C			50.00		104	80 - 122				
Surr: 4-Bromofluorobenzene	49.0	µg/L	SW8260C			50.00		98.0	85 - 121				
Surr: Dibromofluoromethane	49.9	µg/L	SW8260C			50.00		99.8	80 - 116				
Surr: Toluene-d8	50.6	µg/L	SW8260C			50.00		101	81 - 123				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605438
Project: 2nd Quarter Groundwater 2016

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 052016A	Date Analyzed: 05/20/2016 1210h												
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	52.3	µg/L	SW8260C			50.00		105	80 - 122				
Surr: 4-Bromofluorobenzene	51.2	µg/L	SW8260C			50.00		102	85 - 121				
Surr: Dibromofluoromethane	47.7	µg/L	SW8260C			50.00		95.3	80 - 116				
Surr: Toluene-d8	48.3	µg/L	SW8260C			50.00		96.6	81 - 123				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605438
Project: 2nd Quarter Groundwater 2016

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: 1605438-001AMS		Date Analyzed: 05/20/2016 1645h											
Test Code: 8260-W-DEN100													
Benzene	24.3	µg/L	SW8260C	0.270	1.00	20.00	0	121	66 - 145				
Chloroform	21.2	µg/L	SW8260C	0.153	1.00	20.00	0	106	50 - 146				
Methylene chloride	27.7	µg/L	SW8260C	0.172	1.00	20.00	0	138	30 - 192				
Naphthalene	19.0	µg/L	SW8260C	0.587	1.00	20.00	0	94.8	41 - 131				
Tetrahydrofuran	24.6	µg/L	SW8260C	0.516	1.00	20.00	0	123	43 - 146				
Toluene	21.9	µg/L	SW8260C	0.183	1.00	20.00	0	110	18 - 192				
Xylenes, Total	63.1	µg/L	SW8260C	0.857	1.00	60.00	0	105	42 - 167				
Surr: 1,2-Dichloroethane-d4	50.7	µg/L	SW8260C			50.00		101	72 - 151				
Surr: 4-Bromofluorobenzene	51.1	µg/L	SW8260C			50.00		102	80 - 152				
Surr: Dibromofluoromethane	49.0	µg/L	SW8260C			50.00		97.9	80 - 124				
Surr: Toluene-d8	47.8	µg/L	SW8260C			50.00		95.6	77 - 129				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1605438
Project: 2nd Quarter Groundwater 2016

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: 1605438-001AMSD		Date Analyzed: 05/20/2016 1705h											
Test Code: 8260-W-DEN100													
Benzene	24.1	µg/L	SW8260C	0.270	1.00	20.00	0	121	66 - 145	24.3	0.619	25	
Chloroform	21.2	µg/L	SW8260C	0.153	1.00	20.00	0	106	50 - 146	21.2	0.0943	25	
Methylene chloride	27.9	µg/L	SW8260C	0.172	1.00	20.00	0	139	30 - 192	27.7	0.756	25	
Naphthalene	19.4	µg/L	SW8260C	0.587	1.00	20.00	0	97.2	41 - 131	19	2.50	25	
Tetrahydrofuran	23.2	µg/L	SW8260C	0.516	1.00	20.00	0	116	43 - 146	24.6	5.86	25	
Toluene	22.0	µg/L	SW8260C	0.183	1.00	20.00	0	110	18 - 192	21.9	0.501	25	
Xylenes, Total	63.6	µg/L	SW8260C	0.857	1.00	60.00	0	106	42 - 167	63.1	0.836	25	
Surr: 1,2-Dichloroethane-d4	51.0	µg/L	SW8260C			50.00		102	72 - 151				
Surr: 4-Bromofluorobenzene	50.8	µg/L	SW8260C			50.00		102	80 - 152				
Surr: Dibromofluoromethane	49.0	µg/L	SW8260C			50.00		98.0	80 - 124				
Surr: Toluene-d8	47.8	µg/L	SW8260C			50.00		95.5	77 - 129				

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1605438** Page 1 of 3

Client: Energy Fuels Resources, Inc.

Due Date: 6/6/2016

Client ID: DEN100

Contact: Garrin Palmer

Project: 2nd Quarter Groundwater 2016

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: Run NO2/NO3 as a 10X. 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	
1605438-001A	MW-37_05182016	5/18/2016 0818h	5/20/2016 0940h	8260-W-DEN100	Aqueous	VOCFridge	3
				<i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>			
1605438-001B				300.0-W		df - wc	1
				<i>3 SEL Analytes: CL F SO4</i>			
				ALK-W-2320B-LL		df - wc	
				<i>2 SEL Analytes: ALKB ALKC</i>			
1605438-001C				TDS-W-2540C		ww - tds	
				<i>1 SEL Analytes: TDS</i>			
1605438-001D				NH3-W-350.1		df - no2/no3 & nh3	
				<i>1 SEL Analytes: NH3N</i>			
				NH3-W-PR		df - no2/no3 & nh3	
				NO2/NO3-W-353.2		df - no2/no3 & nh3	
				<i>1 SEL Analytes: NO3NO2N</i>			
1605438-001E				200.7-DIS		df - dis met	
				<i>5 SEL Analytes: CA MG K NA V</i>			
				200.7-DIS-PR		df - dis met	
				200.8-DIS		df - dis met	
				<i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>			
				200.8-DIS-PR		df - dis met	
				HG-DW-DIS-245.1		df - dis met	
				<i>1 SEL Analytes: HG</i>			
				HG-DW-DIS-PR		df - dis met	
				IONBALANCE		df - dis met	
				<i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>			
1605438-002A	MW-23_05182016	5/18/2016 1210h	5/20/2016 0940h	8260-W-DEN100	Aqueous	VOCFridge	3
				<i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>			
1605438-002B				300.0-W		df - wc	1
				<i>3 SEL Analytes: CL F SO4</i>			
				ALK-W-2320B-LL		df - wc	
				<i>2 SEL Analytes: ALKB ALKC</i>			

WORK ORDER Summary

Work Order: **1605438** Page 2 of 3

Client: Energy Fuels Resources, Inc.

Due Date: 6/6/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel Storage	
1605438-002C	MW-23_05182016	5/18/2016 1210h	5/20/2016 0940h	TDS-W-2540C <i>1 SEL Analytes: TDS</i>	Aqueous	ww - tds	1
1605438-002D				NH3-W-350.1 <i>1 SEL Analytes: NH3N</i>		df - no2/no3 & nh3	
				NH3-W-PR		df - no2/no3 & nh3	
				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>		df - no2/no3 & nh3	
1605438-002E				200.7-DIS <i>5 SEL Analytes: CA MG K NA V</i>		df - dis met	
				200.7-DIS-PR		df - dis met	
				200.8-DIS <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>		df - dis met	
				200.8-DIS-PR		df - dis met	
				HG-DW-DIS-245.1 <i>1 SEL Analytes: HG</i>		df - dis met	
				HG-DW-DIS-PR		df - dis met	
				IONBALANCE <i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>		df - dis met	
1605438-003A	MW-20_05182016	5/18/2016 1006h	5/20/2016 0940h	8260-W-DEN100 <i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>	Aqueous	VOCFridge	3
1605438-003B				300.0-W <i>3 SEL Analytes: CL F SO4</i>		df - wc	1
				ALK-W-2320B-LL <i>2 SEL Analytes: ALKB ALKC</i>		df - wc	
1605438-003C				TDS-W-2540C <i>1 SEL Analytes: TDS</i>		ww - tds	
1605438-003D				NH3-W-350.1 <i>1 SEL Analytes: NH3N</i>		df - no2/no3 & nh3	
				NH3-W-PR		df - no2/no3 & nh3	
				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>		df - no2/no3 & nh3	
1605438-003E				200.7-DIS <i>5 SEL Analytes: CA MG K NA V</i>		df - dis met	
				200.7-DIS-PR		df - dis met	
				200.8-DIS <i>17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN</i>		df - dis met	
				200.8-DIS-PR		df - dis met	

WORK ORDER Summary

Work Order: **1605438**

Page 3 of 3

Client: Energy Fuels Resources, Inc.

Due Date: 6/6/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1605438-003E	MW-20_05182016	5/18/2016 1006h	5/20/2016 0940h	HG-DW-DIS-245.1	Aqueous		df - dis met	1
				<i>1 SEL Analytes: HG</i>				
				HG-DW-DIS-PR			df - dis met	
				IONBALANCE			df - dis met	
				<i>5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc</i>				
1605438-004A	Trip Blank	5/18/2016 1006h	5/20/2016 0940h	8260-W-DEN100	Aqueous		VOCEfridge	3
				<i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>				

AWAL Use Only.

Close Hold Times

Test Code	# Samps	Min. days left
TDS-W-2540C	3	1.83



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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.

116054356

AWAL Lab Sample Set #
 Page 1 of 1

Client: **Energy Fuels Resources, Inc.**
 Address: **6425 S. Hwy. 191
 Blanding, UT 84511**
 Contact: **Garrin Palmer**
 Phone #: **(435) 678-2221** Cell #:
gpalmer@energyfuels.com; KWeinel@energyfuels.com;
 Email: **dturk@energyfuels.com**
 Project Name: **2nd Quarter Groundwater 2016**
 Project #:
 PO #:
 Sampler Name: **Tanner Holliday**

QC Level:		Turn Around Time:		Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.		Due Date:								
3		Standard				6/16/16								
Laboratory Use Only		Samples Were:		For Compliance With:		Known Hazards & Sample Comments								
		<input checked="" type="checkbox"/> Include EDD: LOCUS UPLOAD EXCEL <input checked="" type="checkbox"/> Field Filtered For: Dissolved Metals		<input type="checkbox"/> NELAP <input type="checkbox"/> RCRA <input type="checkbox"/> CWA <input type="checkbox"/> SDWA <input type="checkbox"/> ELAP / A2LA <input type="checkbox"/> NLLAP <input type="checkbox"/> Non-Compliance <input type="checkbox"/> Other:		1 Shipped or Hand Delivered 2 Ambient or Chilled 3 Temperature <u>24</u> °C 4 Received Broken/Leaking (Improperly Sealed) Y N 5 Improperly Preserved Y N Checked at bench Y N 6 Received Within Holding Times Y N								
Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	F1, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo, Ni, Se, Ag, Ti, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	Known Hazards & Sample Comments
1 MW-37_05182016	5/18/2016	818	7	W	x	x	x	x	x	x	x	x	x	
2 MW-23_05182016	5/18/2016	1210	7	W	x	x	x	x	x	x	x	x	x	
3 MW-20_05182016	5/18/2016	1006	7	W	x	x	x	x	x	x	x	x	x	
4 Trip Blank	5/18/2016		3	W									x	
5 Temp Blank			1	W										
6														
7														
8														
9														
10														
11														
12														

COC Tape Was:

1 Present on Outer Packaging
 Y N NA

2 Unbroken on Outer Packaging
 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 NA

Relinquished by: Signature <i>Garrin Palmer</i>	Date: 5/20/16	Received by: Signature <i>Denise Braun</i>	Date: 5/20/16
Print Name: Garrin Palmer	Time: 0940	Print Name: Denise Braun	Time: 0940
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.



May 23, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 396023

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on April 26, 2016. 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
Project Manager

Purchase Order: DW16138
Enclosures



**Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 396023**

May 23, 2016

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 April 26, 2016 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification: The laboratory received the following samples:

<u>Laboratory ID</u>	<u>Client ID</u>
396023001	MW-01_04202016
396023002	MW-05_04212016
396023003	MW-12_04212016
396023004	MW-18_04192016
396023005	MW-19_04192016
396023006	MW-27_04202016
396023007	MW-28_04202016
396023008	MW-32_04202016
396023009	MW-36_04202016

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
Project Manager

396023



CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories Contact: Garrin Palmer
2040 Savage Road Ph: 435 678 4115
Charleston, SC 29407 gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name		Samplers Signature
2nd Quarter GW 2016	Garrin Palmer		<i>Garrin Palmer</i>
Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-01_04202016	4/20/2016	955	Gross Alpha
MW-05_04212016	4/21/2016	950	Gross Alpha
MW-12_04212016	4/21/2016	850	Gross Alpha
MW-18_04192016	4/19/2016	1335	Gross Alpha
MW-19_04192016	4/19/2016	1550	Gross Alpha
MW-27_04202016	4/20/2016	1050	Gross Alpha
MW-28_04202016	4/20/2016	1440	Gross Alpha
MW-32_04202016	4/20/2016	1545	Gross Alpha
MW-36_04202016	4/20/2016	1610	Gross Alpha
Comments:			

Relinquished By:(Signature) <i>Garrin Palmer</i> <i>Garrin Palmer</i>	Date/Time 4/21/2016 1230	Received By:(Signature) <i>P. Palmer</i>	Date/Time 4/26/16 0950
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time



SAMPLE RECEIPT & REVIEW FORM

Client: <u>DNMT</u>		SDG/AR/COC/Work Order: <u>396023</u>
Received By: <u>P. N. OMT</u>		Date Received:
Suspected Hazard Information	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?	<input type="checkbox"/>	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0/cpm</u>
Classified Radioactive II or III by RSO?	<input checked="" type="checkbox"/>	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?	<input checked="" type="checkbox"/>	
Package, COC, and/or Samples marked as beryllium or asbestos containing?	<input checked="" type="checkbox"/>	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?	<input checked="" type="checkbox"/>	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?	<input checked="" type="checkbox"/>	

Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1 Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*			<input checked="" type="checkbox"/>	Preservation Method: Ice bags Blue ice Dry ice <u>None</u> Other (describe) *all temperatures are recorded in Celsius <u>21°C</u>
2a Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): <u>201404337</u>
3 Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>			
4 Sample containers intact and sealed?	<input checked="" type="checkbox"/>			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5 Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6 Do Low Level Perchlorate samples have headspace as required?			<input checked="" type="checkbox"/>	Sample ID's and containers affected:
7 VOA vials contain acid preservation?			<input checked="" type="checkbox"/>	(If unknown, select No)
8 VOA vials free of headspace (defined as < 6mm bubble)?			<input checked="" type="checkbox"/>	Sample ID's and containers affected:
9 Are Encore containers present?			<input checked="" type="checkbox"/>	(If yes, immediately deliver to Volatiles laboratory)
10 Samples received within holding time?	<input checked="" type="checkbox"/>			ID's and tests affected:
11 Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>			Sample ID's and containers affected:
12 Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>			Sample ID's affected:
13 Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>			Sample ID's affected:
14 Are sample containers identifiable as GEL provided?	<input checked="" type="checkbox"/>			
15 COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>			

16 Carrier and tracking number.	Circle Applicable: FedEx Air FedEx Ground <u>UPS</u> Field Services Courier Other			
	<u>12 187 Y4Y 12 9954 2994</u>			

Comments (Use Continuation Form if needed):

GEL Laboratories LLC – Login Review Report

Report Date: 23-MAY-16

Work Order: 396023

Page 1 of 2

GEL Work Order/SDG: 396023 2nd Quarter GW 2016
 Client SDG: 396023
 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: 24-MAY-16
 Package Due Date: 22-MAY-16
 EDD Due Date: 24-MAY-16
 Due Date: 24-MAY-16
 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
396023001	MW-01_04202016		20-APR-16 09:55	26-APR-16 09:50	-2	1	GROUND WATER		20		1		
396023002	MW-05_04212016		21-APR-16 09:50	26-APR-16 09:50	-2	1	GROUND WATER		20		1		
396023003	MW-12_04212016		21-APR-16 08:50	26-APR-16 09:50	-2	1	GROUND WATER		20		1		
396023004	MW-18_04192016		19-APR-16 13:35	26-APR-16 09:50	-2	1	GROUND WATER		20		1		
396023005	MW-19_04192016		19-APR-16 15:50	26-APR-16 09:50	-2	1	GROUND WATER		20		1		
396023006	MW-27_04202016		20-APR-16 10:50	26-APR-16 09:50	-2	1	GROUND WATER		20		1		
396023007	MW-28_04202016		20-APR-16 14:40	26-APR-16 09:50	-2	1	GROUND WATER		20		1		
396023008	MW-32_04202016		20-APR-16 15:45	26-APR-16 09:50	-2	1	GROUND WATER		20		1		
396023009	MW-36_04202016		20-APR-16 16:10	26-APR-16 09:50	-2	1	GROUND WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data	Receive Codes
-001 MW-01_04202016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Y	
-002 MW-05_04212016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Y	
-003 MW-12_04212016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Y	
-004 MW-18_04192016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Y	
-005 MW-19_04192016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Y	
-006 MW-27_04202016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Y	
-007 MW-28_04202016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Y	
-008 MW-32_04202016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Y	
-009 MW-36_04202016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Y	

GEL Laboratories LLC – Login Review Report

Report Date: 23-MAY-16

Work Order: 396023

Page 2 of 2

Product: GFCTORAL Workdef ID: 1297250 In Product Group? No Group Name: Group Reference:
 Method: EPA 900.1 Modified Path: Standard
 Product Description: GFPC, Total Alpha Radium, Liquid Product Reference: Gross Alpha
 Samples: 001, 002, 003, 004, 005, 006, 007, 008, 009 Moisture Correction: "As Received"
 Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

Action	Product Name	Description	Samples
Contingent Tests			

Login Requirements:

Requirement	Include?	Comments

Peer Review by: _____ Work Order (SDG#), PO# Checked? _____ C of C signed in receiver location? _____

**Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 396023**

Method/Analysis Information

Product: GFPC, Total Alpha Radium, Liquid
Analytical Method: EPA 900.1 Modified
Analytical Batch Number: 1567688

Sample ID	Client ID
396023001	MW-01_04202016
396023002	MW-05_04212016
396023003	MW-12_04212016
396023004	MW-18_04192016
396023005	MW-19_04192016
396023006	MW-27_04202016
396023007	MW-28_04202016
396023008	MW-32_04202016
396023009	MW-36_04202016
1203549742	Method Blank (MB)
1203549746	Laboratory Control Sample (LCS)
1203549743	396023002(MW-05_04212016) Sample Duplicate (DUP)
1203549744	396023002(MW-05_04212016) Matrix Spike (MS)
1203549745	396023002(MW-05_04212016) 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.

QC Information

All of the QC samples met the required acceptance limits.

Designated QC

The following sample was used for QC: 396023002 (MW-05_04212016).

Technical Information:

Holding Time

All sample procedures for this sample set were performed within the required holding time.

Sample Re-prep/Re-analysis

Samples were reprepared due to low recovery. The re-analysis is being reported.

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, 1203549744 (MW-05_04212016MS) and 1203549745 (MW-05_04212016MSD), 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: 396023 GEL Work Order: 396023

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: 19 MAY 2016

Title: Analyst I

GEL LABORATORIES LLC

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

QC Summary

Report Date: May 19, 2016

Page 1 of

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

Contact: Ms. Kathy Weinel

Workorder: 396023

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	1567688										
QC1203549743	396023002 DUP										
Gross Radium Alpha	U	0.0327	U	0.0649	pCi/L	N/A		N/A AXM6		05/16/16	19:1
	Uncertainty	+/-0.134		+/-0.119							
QC1203549746	LCS										
Gross Radium Alpha	413			315	pCi/L		76.3	(75%-125%)		05/16/16	19:1
	Uncertainty			+/-7.74							
QC1203549742	MB										
Gross Radium Alpha			U	0.0239	pCi/L					05/16/16	19:1
	Uncertainty			+/-0.124							
QC1203549744	396023002 MS										
Gross Radium Alpha	1670	U	0.0327	1370	pCi/L		81.7	(75%-125%)		05/16/16	19:1
	Uncertainty		+/-0.134	+/-27.9							
QC1203549745	396023002 MSD										
Gross Radium Alpha	1670	U	0.0327	1420	pCi/L	4.03	85	(0%-20%)		05/16/16	19:1
	Uncertainty		+/-0.134	+/-25.9							

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: 396023

Page 2 of

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
NJ										
Q										
R										
U										
UI										
UJ										
UL										
X										
Y										
^										
h										

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more 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.



May 27, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 396449

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on May 02, 2016. 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
Project Manager

Purchase Order: DW16138
Enclosures



Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 396449

May 27, 2016

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 May 02, 2016 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification: The laboratory received the following samples:

<u>Laboratory ID</u>	<u>Client ID</u>
396449001	MW-02_04262016
396449002	MW-03_04262016
396449003	MW-03A_04272016
396449004	MW-15_04272016
396449005	MW-17_04262016
396449006	MW-22_04262016
396449007	MW-24_04282016
396449008	MW-29_04272016
396449009	MW-65_04272016

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

396449



CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories **Contact:** Garrin Palmer
2040 Savage Road Ph: 435 678 4115
Charleston, SC 29407 gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name		Samplers Signature
2nd Quarter GW 2016	Tanner Holliday		
Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-02_04262016	4/26/2016	1515	Gross Alpha
MW-03_04262016	4/26/2016	1240	Gross Alpha
MW-03A_04272016	4/27/2016	710	Gross Alpha
MW-15_04272016	4/27/2016	1050	Gross Alpha
MW-17_04262016	4/26/2016	1055	Gross Alpha
MW-22_04262016	4/26/2016	1200	Gross Alpha
MW-24_04282016	4/28/2016	755	Gross Alpha
MW-29_04272016	4/27/2016	1035	Gross Alpha
MW-65_04272016	4/27/2016	1050	Gross Alpha
Comments:			

Relinquished By:(Signature) 	Date/Time 4/28/2016 1200	Received By:(Signature) 	Date/Time 5/2/16 0930
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

SAMPLE RECEIPT & REVIEW FORM

Client: <u>DNMI</u>		SDG/AR/COC/Work Order: <u>396449</u>
Received By: <u>ELW</u>		Date Received: <u>5/2/16</u>
Suspected Hazard Information	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?	<input checked="" type="checkbox"/>	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0cpm</u>
Classified Radioactive II or III by RSO?	<input checked="" type="checkbox"/>	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?	<input checked="" type="checkbox"/>	
Package, COC, and/or Samples marked as beryllium or asbestos containing?	<input checked="" type="checkbox"/>	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?	<input checked="" type="checkbox"/>	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?	<input checked="" type="checkbox"/>	

Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1 Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*			<input checked="" type="checkbox"/>	Preservation Method: Ice bags Blue ice Dry ice <u>(None)</u> Other (describe) <u>19°C</u> *all temperatures are recorded in Celsius
2a Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): <u>E5032015830</u>
3 Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>			
4 Sample containers intact and sealed?	<input checked="" type="checkbox"/>			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5 Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6 Do Low Level Perchlorate samples have headspace as required?			<input checked="" type="checkbox"/>	Sample ID's and containers affected:
7 VOA vials contain acid preservation?			<input checked="" type="checkbox"/>	(If unknown, select No)
8 VOA vials free of headspace (defined as < 6mm bubble)?			<input checked="" type="checkbox"/>	Sample ID's and containers affected:
9 Are Encore containers present?			<input checked="" type="checkbox"/>	(If yes, immediately deliver to Volatiles laboratory)
10 Samples received within holding time?	<input checked="" type="checkbox"/>			ID's and tests affected:
11 Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>			Sample ID's and containers affected:
12 Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>			Sample ID's affected:
13 Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>			Sample ID's affected:
14 Are sample containers identifiable as GEL provided?	<input checked="" type="checkbox"/>			
15 COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>			

16 Carrier and tracking number.

Circle Applicable:
FedEx Air FedEx Ground (UPS) Field Services Courier Other

1Z 107 444 02 9765 6045

Comments (Use Continuation Form if needed):

GEL Laboratories LLC – Login Review Report

Report Date: 27-MAY-16

Work Order: 396449

Page 1 of 2

GEL Work Order/SDG: 396449 2nd Quarter GW 2016
 Client SDG: 396449
 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: 30-MAY-16
 Package Due Date: 28-MAY-16
 EDD Due Date: 30-MAY-16
 Due Date: 30-MAY-16
 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
396449001	MW-02_04262016		26-APR-16 15:15	02-MAY-16 09:30	-2	1	GROUND WATER		20		1		
396449002	MW-03_04262016		26-APR-16 12:40	02-MAY-16 09:30	-2	1	GROUND WATER		20		1		
396449003	MW-03A_04272016		27-APR-16 07:10	02-MAY-16 09:30	-2	1	GROUND WATER		20		1		
396449004	MW-15_04272016		27-APR-16 10:50	02-MAY-16 09:30	-2	1	GROUND WATER		20		1		
396449005	MW-17_04262016		26-APR-16 10:55	02-MAY-16 09:30	-2	1	GROUND WATER		20		1		
396449006	MW-22_04262016		26-APR-16 12:00	02-MAY-16 09:30	-2	1	GROUND WATER		20		1		
396449007	MW-24_04282016		28-APR-16 07:55	02-MAY-16 09:30	-2	1	GROUND WATER		20		1		
396449008	MW-29_04272016		27-APR-16 10:35	02-MAY-16 09:30	-2	1	GROUND WATER		20		1		
396449009	MW-65_04272016		27-APR-16 10:50	02-MAY-16 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-02_04262016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 19
-002 MW-03_04262016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 19
-003 MW-03A_04272016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 19
-004 MW-15_04272016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 19
-005 MW-17_04262016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 19
-006 MW-22_04262016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 19
-007 MW-24_04282016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 19
-008 MW-29_04272016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 19
-009 MW-65_04272016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y

GEL Laboratories LLC – Login Review Report

Report Date: 27-MAY-16
 Work Order: 396449
 Page 2 of 2

Temperature (C) 19

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**
Method: EPA 900.1 Modified **Path:** Standard
Product Description: GFPC, Total Alpha Radium, Liquid **Product Reference:** Gross Alpha
Samples: 001, 002, 003, 004, 005, 006, 007, 008, 009 **Moisture Correction:** "As Received"
Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

Action	Product Name	Description	Samples
Contingent Tests			

Login Requirements:	Requirement	Include?	Comments

Peer Review by: _____ Work Order (SDG#), PO# Checked? _____ C of C signed in receiver location? _____

**Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 396449**

Method/Analysis Information

Product: GFPC, Total Alpha Radium, Liquid
Analytical Method: EPA 900.1 Modified
Analytical Batch Number: 1568220

Sample ID	Client ID
396449001	MW-02_04262016
396449002	MW-03_04262016
396449003	MW-03A_04272016
396449004	MW-15_04272016
396449005	MW-17_04262016
396449006	MW-22_04262016
396449007	MW-24_04282016
396449008	MW-29_04272016
396449009	MW-65_04272016
1203551029	Method Blank (MB)
1203551033	Laboratory Control Sample (LCS)
1203551030	396449002(MW-03_04262016) Sample Duplicate (DUP)
1203551031	396449002(MW-03_04262016) Matrix Spike (MS)
1203551032	396449002(MW-03_04262016) 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.

QC Information

All of the QC samples met the required acceptance limits.

Designated QC

The following sample was used for QC: 396449002 (MW-03_04262016).

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 396449002 (MW-03_04262016) was recounted to decrease uncertainty. The recount is reported.

Miscellaneous Information:

Data Exception (DER) Documentation

Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. The following DER was generated for this SDG: DER 1524641 was generated due to Failed Recovery for MS/MSD and or PS/PSD. 1. The matrix spike and matrix spike duplicate, 1203551031 and 1203551032, do not meet the Radium-226 recovery requirement due to the matrix of the sample. 1. Reporting results

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, 1203551031 (MW-03_04262016MS) and 1203551032 (MW-03_04262016MSD), 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: 396449 GEL Work Order: 396449

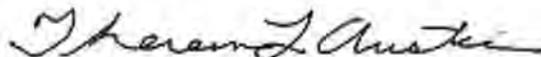
The Qualifiers in this report are defined as follows:

- * 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: Theresa Austin

Date: 26 MAY 2016

Title: Group Leader

DATA EXCEPTION REPORT

Mo.Day Yr. 26-MAY-16	Division: Radiochemistry	Quality Criteria: Specifications	Type: Process
Instrument Type: GFPC	Test / Method: EPA 900.1 Modified	Matrix Type: Liquid	Client Code: DNMI
Batch ID: 1568220	Sample Numbers: See Below		
Potentially affected work order(s)(SDG): 396449,396973			
Application Issues: Failed Recovery for MS/MSD, or PS/PSD			
Specification and Requirements Exception Description:		DER Disposition:	
1. The matrix spike and matrix spike duplicate, 1203551031 and 1203551032, do not meet the Radium-226 recovery requirement due to the matrix of the sample.		1. Reporting results	

Originator's Name:

Nat Long 26-MAY-16

Data Validator/Group Leader:

Amanda Fehr 26-MAY-16

GEL LABORATORIES LLC

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

QC Summary

Report Date: May 26, 2016

Page 1 of

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

Lakewood, Colorado

Contact: Ms. Kathy Weinel

Workorder: 396449

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	1568220										
QC1203551030	396449002		DUP								
Gross Radium Alpha	U	0.147	U	0.155	pCi/L	N/A			N/A	AXM6	05/25/16 17:2
	Uncertainty	+/-0.173		+/-0.266							
QC1203551033	LCS										
Gross Radium Alpha	413			337	pCi/L		81.6	(75%-125%)			05/25/16 17:2
	Uncertainty			+/-6.13							
QC1203551029	MB										
Gross Radium Alpha			U	0.0258	pCi/L						05/25/16 17:2
	Uncertainty			+/-0.233							
QC1203551031	396449002		MS								
Gross Radium Alpha	1670	U	0.147	680	pCi/L		40.6*	(75%-125%)			05/25/16 17:2
	Uncertainty		+/-0.173	+/-17.6							
QC1203551032	396449002		MSD								
Gross Radium Alpha	1670	U	0.147	819	pCi/L	18.6	49*	(0%-20%)			05/25/16 17:2
	Uncertainty		+/-0.173	+/-20.6							

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: 396449

Page 2 of

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
NJ										
Q										
R										
U										
UI										
UJ										
UL										
X										
Y										
^										
h										

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more 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.



June 02, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 396973

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on May 09, 2016. 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
Project Manager

Purchase Order: DW16138
Enclosures



Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 396973

June 02, 2016

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 May 09, 2016 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification: The laboratory received the following samples:

<u>Laboratory ID</u>	<u>Client ID</u>
396973001	MW-11_05032016
396973002	MW-14_05042016
396973003	MW-25_05032016
396973004	MW-26_05042016
396973005	MW-30_05042016
396973006	MW-31_05032016
396973007	MW-35_05032016
396973008	MW-70_05042016

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

396973



CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories **Contact:** Garrin Palmer
2040 Savage Road Ph: 435 678 4115
Charleston, SC 29407 gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
2nd Quarter GW 2016	TANNER HOLLIDAY	<i>Tanner Holliday</i>

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-11_05032016	5/3/2016	1540	Gross Alpha
MW-14_05042016	5/4/2016	1010	Gross Alpha
MW-25_05032016	5/3/2016	1055	Gross Alpha
MW-26_05042016	5/4/2016	1230	Gross Alpha
MW-30_05042016	5/4/2016	1050	Gross Alpha
MW-31_05032016	5/3/2016	1300	Gross Alpha
MW-35_05032016	5/3/2016	1430	Gross Alpha
MW-70_05042016	5/4/2016	1010	Gross Alpha

Comments:

Relinquished By:(Signature) <i>TANNER HOLLIDAY</i> <i>Tanner Holliday</i>	Date/Time 5/5/2016 1230	Received By:(Signature) <i>Garrin Palmer</i>	Date/Time 5/9/16 0910
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

SAMPLE RECEIPT & REVIEW FORM

Client: <u>DNMI</u>		SDG/AR/COC/Work Order: <u>396973</u>
Received By: <u>EW</u>		Date Received: <u>5/9/16</u>
Suspected Hazard Information	Yes <input type="checkbox"/> No <input type="checkbox"/>	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0cpm</u>
Classified Radioactive II or III by RSO?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Package, COC, and/or Samples marked as beryllium or asbestos containing?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Sample Receipt Criteria		Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*			<input checked="" type="checkbox"/>	Preservation Method: Ice bags Blue ice Dry ice <u>None</u> Other (describe) <u>20°C</u> *all temperatures are recorded in Celsius
2a	Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>			Temperature Device Serial #: <u>E5032015830</u> Secondary Temperature Device Serial # (If Applicable):
3	Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>			
4	Sample containers intact and sealed?	<input checked="" type="checkbox"/>			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	Do Low Level Perchlorate samples have headspace as required?			<input checked="" type="checkbox"/>	Sample ID's and containers affected:
7	VOA vials contain acid preservation?			<input checked="" type="checkbox"/>	(If unknown, select No)
8	VOA vials free of headspace (defined as < 6mm bubble)?			<input checked="" type="checkbox"/>	Sample ID's and containers affected:
9	Are Encore containers present?			<input checked="" type="checkbox"/>	(If yes, immediately deliver to Volatiles laboratory)
10	Samples received within holding time?	<input checked="" type="checkbox"/>			ID's and tests affected:
11	Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>			Sample ID's and containers affected:
12	Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>			Sample ID's affected:
13	Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>			Sample ID's affected:
14	Are sample containers identifiable as GEL provided?	<input checked="" type="checkbox"/>			
15	COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>			
16	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground <u>UPS</u> Field Services Courier Other <u>1Z187Y44 0297844485</u>

Comments (Use Continuation Form if needed):

GEL Laboratories LLC – Login Review Report

Report Date: 02-JUN-16
 Work Order: 396973
 Page 1 of 2

GEL Work Order/SDG: 396973 2nd Quarter GW 2016
 Client SDG: 396973
 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: 06-JUN-16
 Package Due Date: 04-JUN-16
 EDD Due Date: 06-JUN-16
 Due Date: 06-JUN-16
 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
396973001	MW-11_05032016		03-MAY-16 15:40	09-MAY-16 09:10	-2	1	GROUND WATER		20		1		
396973002	MW-14_05042016		04-MAY-16 10:10	09-MAY-16 09:10	-2	1	GROUND WATER		20		1		
396973003	MW-25_05032016		03-MAY-16 10:55	09-MAY-16 09:10	-2	1	GROUND WATER		20		1		
396973004	MW-26_05042016		04-MAY-16 12:30	09-MAY-16 09:10	-2	1	GROUND WATER		20		1		
396973005	MW-30_05042016		04-MAY-16 10:50	09-MAY-16 09:10	-2	1	GROUND WATER		20		1		
396973006	MW-31_05032016		03-MAY-16 13:00	09-MAY-16 09:10	-2	1	GROUND WATER		20		1		
396973007	MW-35_05032016		03-MAY-16 14:30	09-MAY-16 09:10	-2	1	GROUND WATER		20		1		
396973008	MW-70_05042016		04-MAY-16 10:10	09-MAY-16 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-11_05032016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 20
-002 MW-14_05042016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 20
-003 MW-25_05032016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 20
-004 MW-26_05042016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 20
-005 MW-30_05042016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 20
-006 MW-31_05032016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 20
-007 MW-35_05032016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 20
-008 MW-70_05042016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 20

GEL Laboratories LLC – Login Review Report

Report Date: 02-JUN-16

Work Order: 396973

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Product: GFCTORAL Workdef ID: 1297250

In Product Group? No

Group Name:

Group Reference:

Method: EPA 900.1 Modified

Path: Standard

Product Description: GFPC, Total Alpha Radium, Liquid

Product Reference: Gross Alpha

Samples: 001, 002, 003, 004, 005, 006, 007, 008

Moisture Correction: "As Received"

Parmname Check: All parmnames scheduled properly

CAS #

Parmname

Client RDL or
PQL & Unit

Reporting
Units

Parm
Function

Included
in Sample?

Included
in QC?

Custom
List?

Gross Radium Alpha

1

pCi/L

REG

Y

Y

Yes

Action

Product Name

Description

Samples

Contingent
Tests

Login Requirements:

Requirement

Include? Comments

Peer Review by: _____ Work Order (SDG#), PO# Checked? _____ C of C signed in receiver location? _____

**Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 396973**

Method/Analysis Information

Product: GFPC, Total Alpha Radium, Liquid
Analytical Method: EPA 900.1 Modified
Analytical Batch Number: 1568220

Sample ID	Client ID
396973001	MW-11_05032016
396973002	MW-14_05042016
396973003	MW-25_05032016
396973004	MW-26_05042016
396973005	MW-30_05042016
396973006	MW-31_05032016
396973007	MW-35_05032016
396973008	MW-70_05042016
1203551029	Method Blank (MB)
1203551033	Laboratory Control Sample (LCS)
1203551030	396449002(MW-03_04262016) Sample Duplicate (DUP)
1203551031	396449002(MW-03_04262016) Matrix Spike (MS)
1203551032	396449002(MW-03_04262016) 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.

QC Information

All of the QC samples meet the required acceptance limits with the following exceptions: Refer to Data Exception Report (DER).

Designated QC

The following sample was used for QC: 396449002 (MW-03_04262016).

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. The following DER was generated for this SDG: DER 1524641 was generated due to Failed Recovery for MS/MSD and or PS/PSD. 1. The matrix spike and matrix spike duplicate, 1203551031 and 1203551032, do not meet the Radium-226 recovery requirement due to the matrix of the sample. 1. Reporting results

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, 1203551031 (MW-03_04262016MS) and 1203551032 (MW-03_04262016MSD), 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: 396973 GEL Work Order: 396973

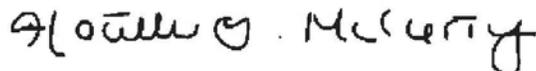
The Qualifiers in this report are defined as follows:

- * A quality control analyte recovery is outside of specified acceptance criteria
- ** Analyte is a surrogate compound
- U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: 

Name: Heather McCarty

Date: 01 JUN 2016

Title: Analyst II

DATA EXCEPTION REPORT

Mo. Day Yr. 26-MAY-16	Division: Radiochemistry	Quality Criteria: Specifications	Type: Process
Instrument Type: GFPC	Test / Method: EPA 900.1 Modified	Matrix Type: Liquid	Client Code: DNMI
Batch ID: 1568220	Sample Numbers: See Below		

Potentially affected work order(s)(SDG): 396449,396973

Application Issues:

Failed Recovery for MS/MSD, or PS/PSD

Specification and Requirements Exception Description:	DER Disposition:
1. The matrix spike and matrix spike duplicate, 1203551031 and 1203551032, do not meet the Radium-226 recovery requirement due to the matrix of the sample.	1. Reporting results

Originator's Name:

Nat Long 26-MAY-16

Data Validator/Group Leader:

Amanda Fehr 26-MAY-16

GEL LABORATORIES LLC

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QC Summary

Report Date: June 1, 2016

Page 1 of

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

Contact: Ms. Kathy Weinel

Workorder: 396973

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	1568220										
QC1203551030	396449002	DUP									
Gross Radium Alpha	U	0.147	U	0.155	pCi/L	N/A		N/A	AXM6	05/25/16	17:2
	Uncertainty	+/-0.173		+/-0.266							
QC1203551033	LCS										
Gross Radium Alpha	413			337	pCi/L		81.6	(75%-125%)		05/25/16	17:2
	Uncertainty			+/-6.13							
QC1203551029	MB										
Gross Radium Alpha			U	0.0258	pCi/L					05/25/16	17:2
	Uncertainty			+/-0.233							
QC1203551031	396449002	MS									
Gross Radium Alpha	1670	U	0.147	680	pCi/L		40.6*	(75%-125%)		05/25/16	17:2
	Uncertainty		+/-0.173	+/-17.6							
QC1203551032	396449002	MSD									
Gross Radium Alpha	1670	U	0.147	819	pCi/L	18.6	49*	(0%-20%)		05/25/16	17:2
	Uncertainty		+/-0.173	+/-20.6							

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).
The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

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QC Summary

Workorder: 396973

Page 2 of

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
NJ										
Q										
R										
U										
UI										
UJ										
UL										
X										
Y										
^										
h										

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more 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.



June 21, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 398060

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on May 24, 2016. 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
Project Manager

Purchase Order: DW16138
Enclosures



Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 398060

June 21, 2016

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 May 24, 2016 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification: The laboratory received the following samples:

<u>Laboratory ID</u>	<u>Client ID</u>
398060001	MW-37_05182016
398060002	MW-23_05182016
398060003	MW-20_05182016

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

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI		SDG/AR/COC/Work Order: 398060	
Received By: <i>David Grinball</i>		Date Received: 5/24/16	
Suspected Hazard Information	Yes <input type="checkbox"/> No <input type="checkbox"/>	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.	
COC/Samples marked as radioactive?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): Open	
Classified Radioactive II or III by RSO?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, Were swipes taken of sample containers < action levels?	
COC/Samples marked containing PCBs?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Package, COC, and/or Samples marked as beryllium or asbestos containing?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.	
Shipped as a DOT Hazardous?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Hazard Class Shipped: UN#:	
Samples identified as Foreign Soil?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1 Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Preservation Method: Ice bags Blue ice Dry ice <input checked="" type="checkbox"/> None Other (describe) *all temperatures are recorded in Celsius 22°C
2a Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): ESTO 2009184
3 Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4 Sample containers intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5 Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6 Do Low Level Perchlorate samples have headspace as required?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample ID's and containers affected:
7 VOA vials contain acid preservation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(If unknown, select No)
8 VOA vials free of headspace (defined as < 6mm bubble)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample ID's and containers affected:
9 Are Encore containers present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	(If yes, immediately deliver to Volatiles laboratory)
10 Samples received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ID's and tests affected:
11 Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's and containers affected:
12 Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's affected:
13 Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's affected:
14 Are sample containers identifiable as GEL provided?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
15 COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

16 Carrier and tracking number.	Circle Applicable: FedEx Air FedEx Ground <input checked="" type="checkbox"/> UPS Field Services Courier Other			
	1Z 187 444 12 9570 2532			

Comments (Use Continuation Form if needed):
no chain included with shipment

GEL Laboratories LLC – Login Review Report

Report Date: 21-JUN-16
 Work Order: 398060
 Page 1 of 2

GEL Work Order/SDG: 398060 2nd Quarter GW 2016
 Client SDG: 398060
 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: 22-JUN-16
 Package Due Date: 20-JUN-16
 EDD Due Date: 22-JUN-16
 Due Date: 22-JUN-16
 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
398060001	MW-37_05182016		18-MAY-16 08:18	24-MAY-16 09:10	-2	1	GROUND WATER		20		1		
398060002	MW-23_05182016		18-MAY-16 12:10	24-MAY-16 09:10	-2	1	GROUND WATER		20		1		
398060003	MW-20_05182016		18-MAY-16 10:06	24-MAY-16 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-37_05182016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 22
-002 MW-23_05182016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 22
-003 MW-20_05182016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 22

Product: GFCTORAL	Workdef ID: 1297250	In Product Group? No	Group Name:	Group Reference:			
Method: EPA 900.1 Modified				Path: Standard			
Product Description: GFPC, Total Alpha Radium, Liquid				Product Reference: Gross Alpha			
Samples: 001, 002, 003				Moisture Correction: "As Received"			
Parmname Check: All parmnames scheduled properly							
CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

Action	Product Name	Description	Samples
--------	--------------	-------------	---------

Contingent Tests

GEL Laboratories LLC – Login Review Report

Report Date: 21-JUN-16

Work Order: 398060

Page 2 of 2

Login Requirements:

Requirement

Include? Comments

Peer Review by _____ Work Order (SDG#), PO# Checked? _____ C of C signed in receiver location? _____

**Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 398060**

Method/Analysis Information

Product: GFPC, Total Alpha Radium, Liquid
Analytical Method: EPA 900.1 Modified
Analytical Batch Number: 1571113

Sample ID	Client ID
398060001	MW-37_05182016
398060002	MW-23_05182016
398060003	MW-20_05182016
1203558572	Method Blank (MB)
1203558576	Laboratory Control Sample (LCS)
1203558573	398060003(MW-20_05182016) Sample Duplicate (DUP)
1203558574	398060003(MW-20_05182016) Matrix Spike (MS)
1203558575	398060003(MW-20_05182016) 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.

QC Information

All of the QC samples met the required acceptance limits.

Designated QC

The following sample was used for QC: 398060003 (MW-20_05182016).

Technical Information:**Holding Time**

All sample procedures for this sample set were performed within the required holding time.

Sample Re-prep/Re-analysis

None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries

All chemical recoveries meet the required acceptance limits for this sample set.

Recounts

Samples 1203558572 (MB), 1203558573 (MW-20_05182016DUP), 398060001 (MW-37_05182016), 398060002 (MW-23_05182016) and 398060003 (MW-20_05182016) were recounted due to high MDCs. The recounts are reported.

Miscellaneous Information:**Data Exception (DER) Documentation**

Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Sample-Specific MDA/MDC

The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments

The matrix spike and matrix spike duplicate, 1203558574 (MW-20_05182016MS) and 1203558575 (MW-20_05182016MSD), 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: 398060 GEL Work Order: 398060

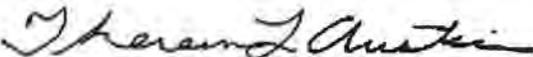
The Qualifiers in this report are defined as follows:

- * 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: Theresa Austin

Date: 16 JUN 2016

Title: Group Leader

GEL LABORATORIES LLC

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

QC Summary

Report Date: June 16, 2016

Page 1 of

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

Lakewood, Colorado

Contact: Ms. Kathy Weinel

Workorder: 398060

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	1571113										
QC1203558573	398060003	DUP									
Gross Radium Alpha		U	0.280	U	0.0121	pCi/L	N/A		N/A AXM6	06/15/16	14:0
		Uncertainty	+/-0.272		+/-0.224						
QC1203558576	LCS										
Gross Radium Alpha	413				340	pCi/L	82.5	(75%-125%)		06/14/16	15:0
		Uncertainty			+/-6.50						
QC1203558572	MB										
Gross Radium Alpha				U	-0.0127	pCi/L				06/15/16	14:0
		Uncertainty			+/-0.223						
QC1203558574	398060003	MS									
Gross Radium Alpha	1670	U	0.280		1640	pCi/L	98.1	(75%-125%)		06/14/16	14:5
		Uncertainty	+/-0.272		+/-29.0						
QC1203558575	398060003	MSD									
Gross Radium Alpha	1670	U	0.280		1550	pCi/L	5.86	92.5	(0%-20%)	06/14/16	14:5
		Uncertainty	+/-0.272		+/-26.1						

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: 398060

Page 2 of

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
NJ		Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier									
Q		One or more quality control criteria have not been met. Refer to the applicable narrative or DER.									
R		Sample results are rejected									
U		Analyte was analyzed for, but not detected above the CRDL.									
UI		Gamma Spectroscopy--Uncertain identification									
UJ		Gamma Spectroscopy--Uncertain identification									
UL		Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.									
X		Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier									
Y		QC Samples were not spiked with this compound									
^		RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.									
h		Preparation or preservation holding time was exceeded									

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more 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

April 2016



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: April Ground Water 2016
Lab Sample ID: 1604331-001
Client Sample ID: MW-11_04122016
Collection Date: 4/12/2016 1550h
Received Date: 4/15/2016 1026h

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	4/18/2016 1049h	4/20/2016 1237h	E200.8	0.00200	0.166	

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



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: April Ground Water 2016
Lab Sample ID: 1604331-002
Client Sample ID: MW-25_04122016
Collection Date: 4/12/2016 1110h
Received Date: 4/15/2016 1026h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Cadmium	mg/L	4/18/2016 1049h	4/20/2016 1240h	E200.8	0.000500	0.00139	
Uranium	mg/L	4/18/2016 1049h	4/20/2016 1349h	E200.8	0.000300	0.00603	

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Salt Lake City, UT 84119

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Fax: (801) 263-8687

e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: April Ground Water 2016
Lab Sample ID: 1604331-002
Client Sample ID: MW-25_04122016
Collection Date: 4/12/2016 1110h
Received Date: 4/15/2016 1026h

Contact: Garrin Palmer

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		4/27/2016 1337h	E300.0	10.0	31.5	

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



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.

Contact: Garrin Palmer

Project: April Ground Water 2016

Lab Sample ID: 1604331-003

Client Sample ID: MW-26_04132016

Collection Date: 4/13/2016 1100h

Received Date: 4/15/2016 1026h

Analytical Results

DISSOLVED METALS

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Uranium	mg/L	4/18/2016 1049h	4/20/2016 1352h	E200.8	0.000300	0.0539	

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web: www.awal-labs.com

Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: April Ground Water 2016
Lab Sample ID: 1604331-003
Client Sample ID: MW-26_04132016
Collection Date: 4/13/2016 1100h
Received Date: 4/15/2016 1026h

Contact: Garrin Palmer

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		4/27/2016 1354h	E300.0	1.00	67.4	
Nitrate/Nitrite (as N)	mg/L		4/21/2016 130h	E353.2	0.100	0.990	†

† - 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



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: April Ground Water 2016
Lab Sample ID: 1604331-003D
Client Sample ID: MW-26_04132016
Collection Date: 4/13/2016 1100h
Received Date: 4/15/2016 1026h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/15/2016 1658h

Units: µg/L **Dilution Factor:** 100 **Method:** SW8260C

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Salt Lake City, UT 84119

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	2,060	-

Phone: (801) 263-8686

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	5,510	5,000	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	5,290	5,000	106	80-152	
Surr: Dibromofluoromethane	1868-53-7	5,080	5,000	102	80-124	
Surr: Toluene-d8	2037-26-5	4,820	5,000	96.3	77-129	

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-- The reporting limits were raised due to high analyte concentrations.

web: www.awal-labs.com

Analyzed: 4/15/2016 1632h

Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Kyle F. Gross
Laboratory Director

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	< 1.00	
Methylene chloride	75-09-2	1.00	5.62	
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	

Jose Rocha
QA Officer

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.0	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.9	50.00	99.8	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.0	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	47.9	50.00	95.7	77-129	



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: April Ground Water 2016
Lab Sample ID: 1604331-004
Client Sample ID: MW-30_04132016
Collection Date: 4/13/2016 1030h
Received Date: 4/15/2016 1026h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	4/18/2016 1049h	4/20/2016 1243h	E200.8	0.00500	0.0410	
Uranium	mg/L	4/18/2016 1049h	4/20/2016 1355h	E200.8	0.000300	0.00755	

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Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: April Ground Water 2016
Lab Sample ID: 1604331-004
Client Sample ID: MW-30_04132016
Collection Date: 4/13/2016 1030h
Received Date: 4/15/2016 1026h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		4/27/2016 1303h	E300.0	100	144	
Fluoride	mg/L		4/25/2016 2235h	E300.0	0.100	0.359	
Nitrate/Nitrite (as N)	mg/L		4/21/2016 133h	E353.2	0.100	18.0	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: April Ground Water 2016
Lab Sample ID: 1604331-005
Client Sample ID: MW-31_04122016
Collection Date: 4/12/2016 1315h
Received Date: 4/15/2016 1026h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Selenium	mg/L	4/18/2016 1049h	4/20/2016 1246h	E200.8	0.00500	0.0816	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: April Ground Water 2016
Lab Sample ID: 1604331-005
Client Sample ID: MW-31_04122016
Collection Date: 4/12/2016 1315h
Received Date: 4/15/2016 1026h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		4/27/2016 1213h	E300.0	100	254	
Nitrate/Nitrite (as N)	mg/L		4/21/2016 144h	E353.2	0.200	22.8	
Sulfate	mg/L		4/27/2016 1213h	E300.0	100	715	
Total Dissolved Solids	mg/L		4/18/2016 1500h	SM2540C	20.0	1,710	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: April Ground Water 2016
Lab Sample ID: 1604331-006
Client Sample ID: MW-35_04122016
Collection Date: 4/12/2016 1445h
Received Date: 4/15/2016 1026h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Manganese	mg/L	4/18/2016 1049h	4/20/2016 1250h	E200.8	0.0100	0.213	
Selenium	mg/L	4/18/2016 1049h	4/20/2016 1250h	E200.8	0.00500	0.00920	
Thallium	mg/L	4/18/2016 1049h	4/20/2016 1330h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	4/18/2016 1049h	4/20/2016 1359h	E200.8	0.000300	0.0199	

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: May 17, 2016

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_04122016 Project: DNMI00100
Sample ID: 395555001 Client ID: DNMI001
Matrix: Ground Water
Collect Date: 12-APR-16 14:45
Receive Date: 19-APR-16
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		3.65	+/-0.300	0.702	1.00	pCi/L		AXM6	05/16/16	1908	1567688	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.
Project: April Ground Water 2016
Lab Sample ID: 1604331-007
Client Sample ID: MW-65_04122016
Collection Date: 4/12/2016 1445h
Received Date: 4/15/2016 1026h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	4/18/2016 1049h	4/20/2016 1315h	E200.8	0.0100	0.213	
Selenium	mg/L	4/18/2016 1049h	4/20/2016 1315h	E200.8	0.00500	0.00923	
Thallium	mg/L	4/18/2016 1049h	4/20/2016 1333h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	4/18/2016 1049h	4/20/2016 1402h	E200.8	0.000300	0.0200	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: May 17, 2016

Company : Energy Fuels Resources (USA), Inc.
Address : 225 Union Boulevard
Suite 600
Lakewood, Colorado 80228
Contact: Ms. Kathy Weinel
Project: White Mesa Mill GW

Client Sample ID:	MW-65_04122016	Project:	DNMI00100
Sample ID:	395555002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	12-APR-16 14:45		
Receive Date:	19-APR-16		
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		4.40	+/-0.310	0.690	1.00	pCi/L		AXM6	05/16/16	1908 1567688	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
Surrogate/Tracer Recovery	Test	
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			97.2	(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.



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: April Ground Water 2016
Lab Sample ID: 1604331-008A
Client Sample ID: Trip Blank
Collection Date: 4/13/2016
Received Date: 4/15/2016 1026h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 4/15/2016 1613h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.3	50.00	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.4	50.00	107	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.5	50.00	99.0	80-124	
Surr: Toluene-d8	2037-26-5	47.5	50.00	95.1	77-129	



Garrin Palmer
Energy Fuels Resources, Inc.
6425 South Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: April Ground Water 2016

Dear Garrin Palmer:

Lab Set ID: 1604331

3440 South 700 West
Salt Lake City, UT 84119

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American West Analytical Laboratories received sample(s) on 4/15/2016 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.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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: 2016.05.03 11:44:22 -06'00'

Laboratory Director or designee



SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc.
Project: April Ground Water 2016
Lab Set ID: 1604331
Date Received: 4/15/2016 1026h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1604331-001A	MW-11_04122016	4/12/2016 1550h	Aqueous	ICPMS Metals, Dissolved
1604331-002A	MW-25_04122016	4/12/2016 1110h	Aqueous	Anions, E300.0
1604331-002B	MW-25_04122016	4/12/2016 1110h	Aqueous	ICPMS Metals, Dissolved
1604331-003A	MW-26_04132016	4/13/2016 1100h	Aqueous	Nitrite/Nitrate (as N), E353.2
1604331-003B	MW-26_04132016	4/13/2016 1100h	Aqueous	Anions, E300.0
1604331-003C	MW-26_04132016	4/13/2016 1100h	Aqueous	ICPMS Metals, Dissolved
1604331-003D	MW-26_04132016	4/13/2016 1100h	Aqueous	VOA by GC/MS Method 8260C/5030C
1604331-004A	MW-30_04132016	4/13/2016 1030h	Aqueous	Nitrite/Nitrate (as N), E353.2
1604331-004B	MW-30_04132016	4/13/2016 1030h	Aqueous	Anions, E300.0
1604331-004C	MW-30_04132016	4/13/2016 1030h	Aqueous	ICPMS Metals, Dissolved
1604331-005A	MW-31_04122016	4/12/2016 1315h	Aqueous	Nitrite/Nitrate (as N), E353.2
1604331-005B	MW-31_04122016	4/12/2016 1315h	Aqueous	Anions, E300.0
1604331-005C	MW-31_04122016	4/12/2016 1315h	Aqueous	Total Dissolved Solids, A2540C
1604331-005D	MW-31_04122016	4/12/2016 1315h	Aqueous	ICPMS Metals, Dissolved
1604331-006A	MW-35_04122016	4/12/2016 1445h	Aqueous	ICPMS Metals, Dissolved
1604331-007A	MW-65_04122016	4/12/2016 1445h	Aqueous	ICPMS Metals, Dissolved
1604331-008A	Trip Blank	4/13/2016	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: April Ground Water 2016
Lab Set ID: 1604331

3440 South 700 West
Salt Lake City, UT 84119

Sample Receipt Information:

Date of Receipt: 4/15/2016
Date(s) of Collection: 4/12 & 4/13/2016
Sample Condition: Intact
C-O-C Discrepancies: None

Phone: (801) 263-8686

Holding Time and Preservation Requirements: The analysis and preparation of all samples were performed within the method holding times. All samples were properly preserved.

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e-mail: awal@awal-labs.com

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

web: www.awal-labs.com

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Kyle F. Gross

Laboratory Director

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Jose Rocha

QA Officer

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions: The MS and MSD percent recoveries were outside of control limits on Nitrate/Nitrite for sample 1604331-003A due to sample matrix interference.

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.



Volatile Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: April Ground Water 2016
Lab Set ID: 1604331

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Salt Lake City, UT 84119

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt: 4/15/2016
Date(s) of Collection: 4/12 & 4/13/2016
Sample Condition: Intact
C-O-C Discrepancies: None
Method: SW-846 8260C/5030C
Analysis: Volatile Organic Compounds

General Set Comments: Multiple target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604331
Project: April Ground Water 2016

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-42517	Date Analyzed:		04/20/2016 1234h										
Test Code: 200.8-DIS	Date Prepared:		04/18/2016 1049h										
Cadmium	0.201	mg/L	E200.8	0.0000666	0.000500	0.2000	0	100	85 - 115				
Manganese	0.207	mg/L	E200.8	0.000560	0.00200	0.2000	0	103	85 - 115				
Selenium	0.196	mg/L	E200.8	0.000310	0.00200	0.2000	0	98.2	85 - 115				
Thallium	0.189	mg/L	E200.8	0.0000500	0.00200	0.2000	0	94.5	85 - 115				
Uranium	0.194	mg/L	E200.8	0.0000710	0.00200	0.2000	0	96.9	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: 1604331
Project: April Ground Water 2016

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-42517	Date Analyzed:	04/20/2016	1231h										
Test Code: 200.8-DIS	Date Prepared:	04/18/2016	1049h										
Cadmium	< 0.000500	mg/L	E200.8	0.0000666	0.000500								
Manganese	< 0.00200	mg/L	E200.8	0.000560	0.00200								
Selenium	< 0.00200	mg/L	E200.8	0.000310	0.00200								
Lab Sample ID: MB-42517	Date Analyzed:	04/20/2016	1327h										
Test Code: 200.8-DIS	Date Prepared:	04/18/2016	1049h										
Thallium	< 0.000500	mg/L	E200.8	0.0000125	0.000500								
Lab Sample ID: MB-42517	Date Analyzed:	04/20/2016	1346h										
Test Code: 200.8-DIS	Date Prepared:	04/18/2016	1049h										
Uranium	< 0.000200	mg/L	E200.8	0.00000710	0.000200								



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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604331
Project: April Ground Water 2016

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: 1604331-006AMS	Date Analyzed:		04/20/2016 1259h										
Test Code: 200.8-DIS	Date Prepared:		04/18/2016 1049h										
Cadmium	0.196	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000428	98.0	75 - 125				
Manganese	0.404	mg/L	E200.8	0.000560	0.00200	0.2000	0.213	95.6	75 - 125				
Selenium	0.203	mg/L	E200.8	0.000310	0.00200	0.2000	0.0092	97.1	75 - 125				
Thallium	0.182	mg/L	E200.8	0.0000500	0.00200	0.2000	0	90.9	75 - 125				
Uranium	0.209	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0199	94.5	75 - 125				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604331
Project: April Ground Water 2016

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: 1604331-006AMSD	Date Analyzed:		04/20/2016 1311h										
Test Code: 200.8-DIS	Date Prepared:		04/18/2016 1049h										
Cadmium	0.196	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000428	98.2	75 - 125	0.196	0.174	20	
Manganese	0.414	mg/L	E200.8	0.000560	0.00200	0.2000	0.213	101	75 - 125	0.404	2.42	20	
Selenium	0.204	mg/L	E200.8	0.000310	0.00200	0.2000	0.0092	97.5	75 - 125	0.203	0.337	20	
Thallium	0.183	mg/L	E200.8	0.0000500	0.00200	0.2000	0	91.5	75 - 125	0.182	0.602	20	
Uranium	0.211	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0199	95.6	75 - 125	0.209	1.07	20	



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604331
Project: April Ground Water 2016

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: 1604331-005CDUP	Date Analyzed:	04/18/2016	1500h										
Test Code: TDS-W-2540C													
Total Dissolved Solids	1,720	mg/L	SM2540C	17.5	20.0					1710	0.467	5	



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604331
Project: April Ground Water 2016

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-R89520 Date Analyzed: 04/25/2016 952h													
Test Code: 300.0-W													
Fluoride	5.14	mg/L	E300.0	0.0139	0.100	5.000	0	103	90 - 110				
Lab Sample ID: LCS-R89573 Date Analyzed: 04/27/2016 954h													
Test Code: 300.0-W													
Chloride	5.10	mg/L	E300.0	0.00516	0.100	5.000	0	102	90 - 110				
Sulfate	5.23	mg/L	E300.0	0.0201	0.750	5.000	0	105	90 - 110				
Lab Sample ID: LCS-R89404 Date Analyzed: 04/21/2016 116h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.973	mg/L	E353.2	0.00833	0.0100	1.000	0	97.3	90 - 110				
Lab Sample ID: LCS-R89277 Date Analyzed: 04/18/2016 1500h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	210	mg/L	SM2540C	8.77	10.0	205.0	0	102	80 - 120				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604331
Project: April Ground Water 2016

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-R89520	Date Analyzed: 04/25/2016 935h												
Test Code: 300.0-W													
Fluoride	< 0.100	mg/L	E300.0	0.0139	0.100								
Lab Sample ID: MB-R89573	Date Analyzed: 04/27/2016 938h												
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00516	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0201	0.750								
Lab Sample ID: MB-R89404	Date Analyzed: 04/21/2016 115h												
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-R89277	Date Analyzed: 04/18/2016 1500h												
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604331
Project: April Ground Water 2016

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: 1604331-005BMS Date Analyzed: 04/25/2016 1912h													
Test Code: 300.0-W													
Fluoride	1,020	mg/L	E300.0	2.78	20.0	1,000	0	102	90 - 110				
Lab Sample ID: 1604331-005BMS Date Analyzed: 04/27/2016 1229h													
Test Code: 300.0-W													
Chloride	1,290	mg/L	E300.0	1.03	20.0	1,000	254	103	90 - 110				
Sulfate	1,710	mg/L	E300.0	4.02	150	1,000	715	99.9	90 - 110				
Lab Sample ID: 1604331-003AMS Date Analyzed: 04/21/2016 131h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	12.9	mg/L	E353.2	0.0833	0.100	10.00	0.99	119	90 - 110				

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: 1604331
Project: April Ground Water 2016

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: 1604331-005BMSD Date Analyzed: 04/25/2016 1929h													
Test Code: 300.0-W													
Fluoride	1,020	mg/L	E300.0	2.78	20.0	1,000	0	102	90 - 110	1020	0.0721	20	
Lab Sample ID: 1604331-005BMSD Date Analyzed: 04/27/2016 1246h													
Test Code: 300.0-W													
Chloride	1,270	mg/L	E300.0	1.03	20.0	1,000	254	101	90 - 110	1290	1.35	20	
Sulfate	1,700	mg/L	E300.0	4.02	150	1,000	715	98.6	90 - 110	1710	0.746	20	
Lab Sample ID: 1604331-003AMSD Date Analyzed: 04/21/2016 132h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	12.0	mg/L	E353.2	0.0833	0.100	10.00	0.99	111	90 - 110	12.9	6.74	10	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: 1604331
Project: April Ground Water 2016

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 041516A	Date Analyzed: 04/15/2016 1016h												
Test Code: 8260-W-DEN100													
Benzene	20.2	µg/L	SW8260C	0.270	1.00	20.00	0	101	82 - 132				
Chloroform	20.0	µg/L	SW8260C	0.153	1.00	20.00	0	100	85 - 124				
Methylene chloride	19.7	µg/L	SW8260C	0.172	1.00	20.00	0	98.4	81 - 135				
Naphthalene	17.2	µg/L	SW8260C	0.587	1.00	20.00	0	85.8	63 - 129				
Tetrahydrofuran	17.5	µg/L	SW8260C	0.516	1.00	20.00	0	87.6	59 - 120				
Toluene	19.2	µg/L	SW8260C	0.183	1.00	20.00	0	95.9	78 - 130				
Xylenes, Total	59.9	µg/L	SW8260C	0.857	1.00	60.00	0	99.8	70 - 138				
Surr: 1,2-Dichloroethane-d4	53.2	µg/L	SW8260C			50.00		106	80 - 122				
Surr: 4-Bromofluorobenzene	49.8	µg/L	SW8260C			50.00		99.7	85 - 121				
Surr: Dibromofluoromethane	50.3	µg/L	SW8260C			50.00		101	80 - 116				
Surr: Toluene-d8	48.4	µg/L	SW8260C			50.00		96.8	81 - 123				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604331
Project: April Ground Water 2016

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 041516A		Date Analyzed: 04/15/2016 1055h											
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	53.5	µg/L	SW8260C			50.00		107	80 - 122				
Surr: 4-Bromofluorobenzene	52.4	µg/L	SW8260C			50.00		105	85 - 121				
Surr: Dibromofluoromethane	49.7	µg/L	SW8260C			50.00		99.4	80 - 116				
Surr: Toluene-d8	47.5	µg/L	SW8260C			50.00		95.0	81 - 123				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604331
Project: April Ground Water 2016

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: 1604331-003DMS		Date Analyzed: 04/15/2016 1718h											
Test Code: 8260-W-DEN100													
Benzene	2,080	µg/L	SW8260C	27.0	100	2,000	0	104	66 - 145				
Chloroform	3,990	µg/L	SW8260C	15.3	100	2,000	2060	96.3	50 - 146				
Methylene chloride	2,230	µg/L	SW8260C	17.2	100	2,000	0	111	30 - 192				
Naphthalene	1,880	µg/L	SW8260C	58.7	100	2,000	0	94.0	41 - 131				
Tetrahydrofuran	2,500	µg/L	SW8260C	51.6	100	2,000	0	125	43 - 146				
Toluene	1,960	µg/L	SW8260C	18.3	100	2,000	0	97.9	18 - 192				
Xylenes, Total	6,010	µg/L	SW8260C	85.7	100	6,000	0	100	42 - 167				
Surr: 1,2-Dichloroethane-d4	5,400	µg/L	SW8260C			5,000		108	72 - 151				
Surr: 4-Bromofluorobenzene	5,020	µg/L	SW8260C			5,000		100	80 - 152				
Surr: Dibromofluoromethane	5,010	µg/L	SW8260C			5,000		100	80 - 124				
Surr: Toluene-d8	4,730	µg/L	SW8260C			5,000		94.6	77 - 129				



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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1604331
Project: April Ground Water 2016

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: 1604331-003DMSD	Date Analyzed: 04/15/2016 1737h												
Test Code: 8260-W-DEN100													
Benzene	2,200	µg/L	SW8260C	27.0	100	2,000	0	110	66 - 145	2080	5.66	25	
Chloroform	4,140	µg/L	SW8260C	15.3	100	2,000	2060	104	50 - 146	3990	3.69	25	
Methylene chloride	2,310	µg/L	SW8260C	17.2	100	2,000	0	116	30 - 192	2230	3.66	25	
Naphthalene	1,960	µg/L	SW8260C	58.7	100	2,000	0	98.2	41 - 131	1880	4.42	25	
Tetrahydrofuran	2,580	µg/L	SW8260C	51.6	100	2,000	0	129	43 - 146	2500	3.11	25	
Toluene	2,060	µg/L	SW8260C	18.3	100	2,000	0	103	18 - 192	1960	4.93	25	
Xylenes, Total	6,380	µg/L	SW8260C	85.7	100	6,000	0	106	42 - 167	6010	6.00	25	
Surr: 1,2-Dichloroethane-d4	5,480	µg/L	SW8260C			5,000		110	72 - 151				
Surr: 4-Bromofluorobenzene	5,090	µg/L	SW8260C			5,000		102	80 - 152				
Surr: Dibromofluoromethane	5,060	µg/L	SW8260C			5,000		101	80 - 124				
Surr: Toluene-d8	4,830	µg/L	SW8260C			5,000		96.6	77 - 129				

WORK ORDER Summary

Work Order: **1604331** Page 1 of 2

Client: Energy Fuels Resources, Inc.

Due Date: 4/29/2016

Client ID: DEN100

Contact: Garrin Palmer

Project: April Ground Water 2016

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: Run NO2/NO3 as a 10X. 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	
1604331-001A	MW-11_04122016	4/12/2016 1550h	4/15/2016 1026h	200.8-DIS <i>1 SEL Analytes: MN</i>	Aqueous	df - dis met		1
				200.8-DIS-PR		df - dis met		
1604331-002A	MW-25_04122016	4/12/2016 1110h	4/15/2016 1026h	300.0-W <i>1 SEL Analytes: CL</i>	Aqueous	df - wc		1
1604331-002B				200.8-DIS <i>2 SEL Analytes: CD U</i>		df - dis met		
				200.8-DIS-PR		df - dis met		
1604331-003A	MW-26_04132016	4/13/2016 1100h	4/15/2016 1026h	NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>	Aqueous	df - no2/no3		1
1604331-003B				300.0-W <i>1 SEL Analytes: CL</i>		df - wc		
1604331-003C				200.8-DIS <i>1 SEL Analytes: U</i>		df - metals		
				200.8-DIS-PR		df - metals		
1604331-003D				8260-W-DEN100 <i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>		VOCFridge		3
1604331-004A	MW-30_04132016	4/13/2016 1030h	4/15/2016 1026h	NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>	Aqueous	df - no2/no3		1
1604331-004B				300.0-W <i>2 SEL Analytes: CL F</i>		df - wc		
1604331-004C				200.8-DIS <i>2 SEL Analytes: SE U</i>		df - dis met		
				200.8-DIS-PR		df - dis met		
1604331-005A	MW-31_04122016	4/12/2016 1315h	4/15/2016 1026h	NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>	Aqueous	DF - NO2/NO3		1
1604331-005B				300.0-W <i>2 SEL Analytes: CL SO4</i>		df - cl		
1604331-005C				TDS-W-2540C <i>1 SEL Analytes: TDS</i>		df - tds		

WORK ORDER Summary

Work Order: **1604331** Page 2 of 2

Client: Energy Fuels Resources, Inc.

Due Date: 4/29/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1604331-005D	MW-31_04122016	4/12/2016 1315h	4/15/2016 1026h	200.8-DIS <i>1 SEL Analytes: SE</i>	Aqueous		df - dis met	1
				200.8-DIS-PR			df - dis met	
1604331-006A	MW-35_04122016	4/12/2016 1445h	4/15/2016 1026h	200.8-DIS <i>4 SEL Analytes: MN SE TL U</i>	Aqueous		df - dis met	1
				200.8-DIS-PR			df - dis met	
1604331-007A	MW-65_04122016	4/12/2016 1445h	4/15/2016 1026h	200.8-DIS <i>4 SEL Analytes: MN SE TL U</i>	Aqueous		df - dis met	1
				200.8-DIS-PR			df - dis met	
1604331-008A	Trip Blank	4/13/2016	4/15/2016 1026h	8260-W-DEN100 <i>Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4</i>	Aqueous		VOCFridge	3



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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.

11004331
 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		4/29/16													
		<input checked="" type="checkbox"/> Include EDD: LOCUS UPLOAD EXCEL <input checked="" type="checkbox"/> Field Filtered For: Dissolved Metals	Laboratory Use Only Samples Were: <u>WPS</u> 1 <input checked="" type="checkbox"/> Shipped or hand delivered 2 <input checked="" type="checkbox"/> Ambient or Chilled 3 Temperature <u>0.3</u> °C 4 Received Broken/Leaking (Improperly Sealed) Y <input checked="" type="checkbox"/> N Checked at bench Y <input checked="" type="checkbox"/> N 6 Received Within Holding Times Y <input checked="" type="checkbox"/> N													
		For Compliance With: <input type="checkbox"/> NELAP <input type="checkbox"/> RCRA <input type="checkbox"/> CWA <input type="checkbox"/> SDWA <input type="checkbox"/> ELAP / A2LA <input type="checkbox"/> NLLAP <input type="checkbox"/> Non-Compliance <input type="checkbox"/> Other:														
		Known Hazards & Sample Comments	1 <input checked="" type="checkbox"/> Present on Outer Packaging Y <input checked="" type="checkbox"/> N 2 <input checked="" type="checkbox"/> Unbroken on Outer Packaging Y <input checked="" type="checkbox"/> N 3 Present on Sample Y <input checked="" type="checkbox"/> N 4 Unbroken on Sample Y <input checked="" type="checkbox"/> N Discrepancies Between Sample Labels and COC Records Y <input checked="" type="checkbox"/> N													
Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Dissolved Manganese (200.7/200.8)	Cl (4500 or 300.0)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Dissolved Thallium (200.7/200.8)	Fluoride (44500-F C or 300.0)	SO4 (4500 or 300.0)	VOCs Chloroform, Dichloromethane, (8260C)	
MW-11_04122016	4/12/2016	1550	1	W		X										
MW-25_04122016	4/12/2016	1110	2	W			X		X	X						
MW-26_04132016	4/13/2016	1100	6	W	X		X		X						X	fds bottle received
MW-30_04132016	4/13/2016	1030	3	W	X		X		X		X		X			
MW-31_04122016	4/12/2016	1315	4	W	X		X	X			X			X		
MW-35_04122016	4/12/2016	1445	1	W		X			X		X	X				
MW-85_04122016	4/12/2016	1445	1	W		X			X		X	X				
TRIP BLANK	4/13/2016		3	W											X	
TEMP BLANK	4/14/2016		1	W												

Relinquished by: Signature <u>Tanner Holliday</u>	Date: 4/14/2016	Received by: Signature	Date:	Special Instructions: Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.
Print Name: TANNER HOLLIDAY	Time: 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 <u>Denise Brown</u>	Date: <u>4/15/16</u>	
Print Name:	Time:	Print Name: <u>Denise Brown</u>	Time: <u>10:26</u>	

Table 3 – AWAL Analyte List, Reporting Limits and Analytical Method Requirements

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
Nutrients					
Ammonia (as N)	A4500-NH ₃ G or E350.1	0.05 mg/L	28 days	H ₂ SO ₄ to pH<2	≤ 6°C
Nitrate & Nitrite (as N)	E353.1 or E353.2	0.1 mg/L	28 days	H ₂ SO ₄ to pH<2	≤ 6°C
Volatile Organic Compounds – Groundwater, Seeps and Springs and Tailings Impoundment					
Acetone	SW8260B or SW8260C	20 µg/L	14 days	HCl to pH<2	≤ 6°C
Benzene	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
2-Butanone (MEK)	SW8260B or SW8260C	20 µg/L	14 days	HCl to pH<2	≤ 6°C
Carbon Tetrachloride	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloroform	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloromethane	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Dichloromethane (Methylene Chloride)	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Naphthalene	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Tetrahydrofuran	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Toluene	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Xylenes (total)	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Others					
Fluoride	A4500-F C or E300.0	0.1 mg/L	28 days	None	≤ 6°C
TDS	A2540 C	10 mg/L	7 days	None	≤ 6°C

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
General Inorganics					
Chloride	A4500-Cl B or A4500-Cl E or E300.0	1 mg/L	28 days	None	≤ 6°C
Sulfate	A4500-SO4 E or E300.0	1 mg/L	28 days	None	≤ 6°C
Carbonate as CO ₃	A2320 B	1 mg/L	14 days	None	≤ 6°C
Bicarbonate as HCO ₃	A2320 B	1 mg/L	14 days	None	
Volatile Organic Compounds – Chloroform Program					
Carbon Tetrachloride	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloroform	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Dichloromethane (Methylene Chloride)	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloromethane	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
SVOCs – Tailings Impoundment Samples Only					
1,2,4-Trichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,2-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,3-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,4-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1-Methylnaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4,5-Trichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4,6-Trichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dimethylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dinitrophenol	SW8270D	<20 ug/L	7/40 days	None	≤ 6°C
2,4-Dinitrotoluene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,6-Dinitrotoluene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Chloronaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Chlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Methylnaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Nitrophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
3&4-Methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
3,3'-Dichlorobenzidine	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
4,6-Dinitro-2-methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C

Table 3 – GEL Groundwater, Tailings Impoundment, and Seeps and Springs Sampling

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
Heavy Metals					
Arsenic	E200.7 or E200.8	5 µg/L	6 months	HNO ₃ to pH<2	None
Beryllium	E200.7 or E200.8	0.50 µg/L	6 months	HNO ₃ to pH<2	None
Cadmium	E200.7 or E200.8	0.50 µg/L	6 months	HNO ₃ to pH<2	None
Chromium	E200.7 or E200.8	25 µg/L	6 months	HNO ₃ to pH<2	None
Cobalt	E200.7 or E200.8	10 µg/L	6 months	HNO ₃ to pH<2	None
Copper	E200.7 or E200.8	10 µg/L	6 months	HNO ₃ to pH<2	None
Iron	E200.7 or E200.8	30 µg/L	6 months	HNO ₃ to pH<2	None
Lead	E200.7 or E200.8	1.0 µg/L	6 months	HNO ₃ to pH<2	None
Manganese	E200.7 or E200.8	10 µg/L	6 months	HNO ₃ to pH<2	None
Mercury	E 245.1 or E200.7 or E200.8	0.50 µg/L	28 days	HNO ₃ to pH<2	None
Molybdenum	E200.7 or E200.8	10 µg/L	6 months	HNO ₃ to pH<2	None
Nickel	E200.7 or E200.8	20 µg/L	6 months	HNO ₃ to pH<2	None
Selenium	E200.7 or E200.8	5 µg/L	6 months	HNO ₃ to pH<2	None
Silver	E200.7 or E200.8	10 µg/L	6 months	HNO ₃ to pH<2	None
Thallium	E200.7 or E200.8	0.50 µg/L	6 months	HNO ₃ to pH<2	None
Tin	E200.7 or E200.8	100 µg/L	6 months	HNO ₃ to pH<2	None
Uranium	E200.7 or E200.8	0.30 µg/L	6 months	HNO ₃ to pH<2	None
Vanadium	E200.7 or E200.8	15 µg/L	6 months	HNO ₃ to pH<2	None
Zinc	E200.7 or E200.8	10 µg/L	6 months	HNO ₃ to pH<2	None
Sodium	E200.7	0.5 mg/L	6 months	HNO ₃ to pH<2	None
Potassium	E200.7	0.5 mg/L	6 months	HNO ₃ to pH<2	None
Magnesium	E200.7	0.5 mg/L	6 months	HNO ₃ to pH<2	None
Calcium	E200.7	0.5 mg/L	6 months	HNO ₃ to pH<2	None
Radiologics					
Gross Alpha	E 900.0 or E900.1	1.0 pCi/L	6 months	HNO ₃ to pH<2	None

-RW 2/27/2013

Table 4 Fee Schedule

Analyte/ Group	Cost per Sample
Full Suite Metals	
Partial Suite Metals (cost per individual metal)	
Gross alpha	

** - per email from Kathy Weinel 3/27/13 -RW

Run ION BALANCE when the full metals suite has been requested, per email from Kathy Weinel 3/27/13

Ion Balance to include:

- Total Anions, Measured
- Total Cations, Measured
- TDS Ratio, Measured/Calculated
- TDS, Calculated

-RW 3/27/13

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	-001	-002	-003	-004	-005	-006	-007										
Ammonia	pH <2 H ₂ SO ₄																	
COD	pH <2 H ₂ SO ₄																	
Cyanide	pH >12 NaOH																	
Metals	pH <2 HNO ₃	yes	yes		yes	yes	yes	yes										
NO ₂ & NO ₃	pH <2 H ₂ SO ₄			yes	yes	yes	yes											
O & G	pH <2 HCL																	
Phenols	pH <2 H ₂ SO ₄																	
Sulfide	pH > 9NaOH, Zn Acetate																	
TKN	pH <2 H ₂ SO ₄																	
T PO ₄	pH <2 H ₂ SO 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.



May 17, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 395555

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on April 19, 2016. 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
Project Manager

Purchase Order: DW16138
Enclosures



Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 395555

May 17, 2016

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 April 19, 2016 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification: The laboratory received the following samples:

<u>Laboratory ID</u>	<u>Client ID</u>
395555001	MW-35_04122016
395555002	MW-65_04122016

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

SAMPLE RECEIPT & REVIEW FORM

Client: <u>DNMI</u>		SDG/AR/COC/Work Order: <u>395555</u>
Received By: <u>[Signature]</u>		Date Received: <u>9/19/16</u>
Suspected Hazard Information	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?	<input checked="" type="checkbox"/>	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0cpm</u>
Classified Radioactive II or III by RSO?	<input checked="" type="checkbox"/>	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?	<input checked="" type="checkbox"/>	
Package, COC, and/or Samples marked as beryllium or asbestos containing?	<input checked="" type="checkbox"/>	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?	<input checked="" type="checkbox"/>	Hazard Class Shipped: <u>UN#:</u>
Samples identified as Foreign Soil?	<input checked="" type="checkbox"/>	

Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1 Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Preservation Method: Ice bags Blue ice Dry ice <u>None</u> Other (describe) <u>21°C</u> *all temperatures are recorded in Celsius
2a Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Temperature Device Serial #: <u>130462962</u> Secondary Temperature Device Serial # (If Applicable):
3 Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4 Sample containers intact and sealed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5 Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6 Do Low Level Perchlorate samples have headspace as required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's and containers affected:
7 VOA vials contain acid preservation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(If unknown, select No)
8 VOA vials free of headspace (defined as < 6mm bubble)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's and containers affected:
9 Are Encore containers present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(If yes, immediately deliver to Volatiles laboratory)
10 Samples received within holding time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ID's and tests affected:
11 Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's and containers affected:
12 Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's affected:
13 Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sample ID's affected:
14 Are sample containers identifiable as GEL provided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15 COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
16 Carrier and tracking number.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Circle Applicable: FedEx Air FedEx Ground <u>UPS</u> Field Services Courier Other <u>1Z 187 Y44 12 9290 4691</u>

Comments (Use Continuation Form if needed):

GEL Laboratories LLC – Login Review Report

Report Date: 17-MAY-16
 Work Order: 395555
 Page 1 of 2

GEL Work Order/SDG: 395555 April Monthly GW 2016
 Client SDG: 395555
 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: 17-MAY-16
 Package Due Date: 15-MAY-16
 EDD Due Date: 17-MAY-16
 Due Date: 17-MAY-16
 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
395555001	MW-35_04122016		12-APR-16 14:45	19-APR-16 09:30	-2	1	GROUND WATER		20		1		
395555002	MW-65_04122016		12-APR-16 14:45	19-APR-16 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_04122016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 21
-002 MW-65_04122016	REVV	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 21

Product: GFCTORAL Workdef ID: 1297250 In Product Group? No Group Name: Group Reference:

Method: EPA 900.1 Modified Path: Standard

Product Description: GFPC, Total Alpha Radium, Liquid Product Reference: Gross Alpha

Samples: 001, 002 Moisture Correction: "As Received"

Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

Action	Product Name	Description	Samples
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Contingent Tests

GEL Laboratories LLC – Login Review Report

Report Date: 17-MAY-16

Work Order: 395555

Page 2 of 2

Login Requirements:

Requirement

Include? Comments

Peer Review by: _____ Work Order (SDG#), PO# Checked? _____ C of C signed in receiver location? _____

**Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 395555**

Method/Analysis Information

Product: GFPC, Total Alpha Radium, Liquid
Analytical Method: EPA 900.1 Modified
Analytical Batch Number: 1567688

Sample ID	Client ID
395555001	MW-35_04122016
395555002	MW-65_04122016
1203549742	Method Blank (MB)
1203549746	Laboratory Control Sample (LCS)
1203549743	396023002(MW-05_04212016) Sample Duplicate (DUP)
1203549744	396023002(MW-05_04212016) Matrix Spike (MS)
1203549745	396023002(MW-05_04212016) 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.

QC Information

All of the QC samples met the required acceptance limits.

Designated QC

The following sample was used for QC: 396023002 (MW-05_04212016).

Technical Information:**Holding Time**

All sample procedures for this sample set were performed within the required holding time.

Sample Re-prep/Re-analysis

Samples were reprepared due to low recovery. The re-analysis is being reported.

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, 1203549744 (MW-05_04212016MS) and 1203549745 (MW-05_04212016MSD), 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: 395555 GEL Work Order: 395555

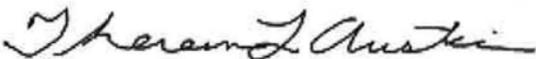
The Qualifiers in this report are defined as follows:

- * 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: Theresa Austin

Date: 17 MAY 2016

Title: Group Leader

GEL LABORATORIES LLC

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

QC Summary

Report Date: May 17, 2016

Page 1 of

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

Lakewood, Colorado

Ms. Kathy Weinel

Contact:

Workorder: 395555

Parname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	1567688										
QC1203549743	396023002	DUP									
Gross Radium Alpha		U	0.0327	U	0.0649	pCi/L	N/A		N/A	AXM6	05/16/16 19:1
		Uncertainty	+/-0.134		+/-0.119						
QC1203549746	LCS										
Gross Radium Alpha	413				315	pCi/L	76.3	(75%-125%)			05/16/16 19:1
		Uncertainty			+/-7.74						
QC1203549742	MB										
Gross Radium Alpha				U	0.0239	pCi/L					05/16/16 19:1
		Uncertainty			+/-0.124						
QC1203549744	396023002	MS									
Gross Radium Alpha	1670	U	0.0327		1370	pCi/L	81.7	(75%-125%)			05/16/16 19:1
		Uncertainty	+/-0.134		+/-27.9						
QC1203549745	396023002	MSD									
Gross Radium Alpha	1670	U	0.0327		1420	pCi/L	4.03	85	(0%-20%)		05/16/16 19:1
		Uncertainty	+/-0.134		+/-25.9						

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: 395555

Page 2 of

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier									
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.									
R	Sample results are rejected									
U	Analyte was analyzed for, but not detected above the CRDL.									
UI	Gamma Spectroscopy--Uncertain identification									
UJ	Gamma Spectroscopy--Uncertain identification									
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.									
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier									
Y	QC Samples were not spiked with this compound									
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.									
h	Preparation or preservation holding time was exceeded									

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more 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

June 2016



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: June Monthly GW 2016
Lab Sample ID: 1606373-001
Client Sample ID: MW-11_06142016
Collection Date: 6/14/2016 1155h
Received Date: 6/17/2016 1045h

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	6/21/2016 1534h	6/22/2016 827h	E200.8	0.0100	0.158	

The sample was filtered in the field prior to analysis.

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: June Monthly GW 2016
Lab Sample ID: 1606373-002
Client Sample ID: MW-25_06142016
Collection Date: 6/14/2016 1055h
Received Date: 6/17/2016 1045h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	6/21/2016 1534h	6/22/2016 846h	E200.8	0.000500	0.00143	
Uranium	mg/L	6/21/2016 1534h	6/22/2016 1122h	E200.8	0.000300	0.00599	

The sample was filtered in the field prior to analysis.

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: June Monthly GW 2016
Lab Sample ID: 1606373-002
Client Sample ID: MW-25_06142016
Collection Date: 6/14/2016 1055h
Received Date: 6/17/2016 1045h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/29/2016 1532h	E300.0	10.0	31.2	

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QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: June Monthly GW 2016
Lab Sample ID: 1606373-003
Client Sample ID: MW-26_06152016
Collection Date: 6/15/2016 1045h
Received Date: 6/17/2016 1045h

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	6/21/2016 1534h	6/22/2016 1126h	E200.8	0.000300	0.0527	

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Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: June Monthly GW 2016
Lab Sample ID: 1606373-003
Client Sample ID: MW-26_06152016
Collection Date: 6/15/2016 1045h
Received Date: 6/17/2016 1045h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/29/2016 1548h	E300.0	10.0	81.6	
Nitrate/Nitrite (as N)	mg/L		6/28/2016 1750h	E353.2	0.100	1.66	

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Laboratory Director

Jose Rocha

QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: June Monthly GW 2016
Lab Sample ID: 1606373-003H
Client Sample ID: MW-26_06152016
Collection Date: 6/15/2016 1045h
Received Date: 6/17/2016 1045h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 6/17/2016 1509h

Units: µg/L **Dilution Factor:** 100 **Method:** SW8260C

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Salt Lake City, UT 84119

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	1,860	~

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 e-mail: awal@awal-labs.com

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	5,580	5,000	112	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	5,210	5,000	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	5,370	5,000	107	80-124	
Surr: Toluene-d8	2037-26-5	4,970	5,000	99.5	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

web: www.awal-labs.com

Analyzed: 6/17/2016 1430h

Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Kyle F. Gross
Laboratory Director

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Methylene chloride	75-09-2	1.00	4.12	

Jose Rocha
QA Officer

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.8	50.00	102	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.4	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.8	50.00	104	80-124	
Surr: Toluene-d8	2037-26-5	53.5	50.00	107	77-129	

Reissue of a previously generated report. Information has been added, updated, or revised. Information herein supersedes that of the previously issued reports.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: June Monthly GW 2016
Lab Sample ID: 1606373-004
Client Sample ID: MW-30_06142016
Collection Date: 6/14/2016 1435h
Received Date: 6/17/2016 1045h

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	6/21/2016 1534h	6/22/2016 1729h	E200.8	0.00500	0.0418	
Uranium	mg/L	6/21/2016 1534h	6/22/2016 1129h	E200.8	0.000300	0.00766	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: June Monthly GW 2016
Lab Sample ID: 1606373-004
Client Sample ID: MW-30_06142016
Collection Date: 6/14/2016 1435h
Received Date: 6/17/2016 1045h

Analytical Results

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Chloride	mg/L		6/29/2016 1515h	E300.0	100	142	
Fluoride	mg/L		6/29/2016 1605h	E300.0	0.100	0.364	
Nitrate/Nitrite (as N)	mg/L		6/28/2016 1751h	E353.2	0.100	18.5	

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: June Monthly GW 2016
Lab Sample ID: 1606373-005
Client Sample ID: MW-31_06152016
Collection Date: 6/15/2016 1410h
Received Date: 6/17/2016 1045h

Analytical Results

DISSOLVED METALS

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Selenium	mg/L	6/21/2016 1534h	6/22/2016 902h	E200.8	0.00500	0.0833	

The sample was filtered in the field prior to analysis.

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: June Monthly GW 2016
Lab Sample ID: 1606373-005
Client Sample ID: MW-31_06152016
Collection Date: 6/15/2016 1410h
Received Date: 6/17/2016 1045h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/29/2016 1350h	E300.0	100	252	
Nitrate/Nitrite (as N)	mg/L		6/28/2016 1803h	E353.2	0.200	19.2	
Sulfate	mg/L		6/29/2016 1350h	E300.0	100	748	
Total Dissolved Solids	mg/L		6/17/2016 1241h	SM2540C	20.0	1,580	

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Laboratory Director

Jose Rocha
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: June Monthly GW 2016
Lab Sample ID: 1606373-006
Client Sample ID: MW-35_06152016
Collection Date: 6/15/2016 910h
Received Date: 6/17/2016 1045h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	6/21/2016 1534h	6/22/2016 905h	E200.8	0.0100	0.228	
Selenium	mg/L	6/21/2016 1534h	6/22/2016 905h	E200.8	0.00500	0.00618	
Thallium	mg/L	6/21/2016 1534h	6/22/2016 949h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	6/21/2016 1534h	6/22/2016 1132h	E200.8	0.000300	0.0194	

The sample was filtered in the field prior to analysis.

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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 15, 2016

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_06152016	Project: DNMI00100
Sample ID: 399593001	Client ID: DNMI001
Matrix: Ground Water	
Collect Date: 15-JUN-16 09:10	
Receive Date: 17-JUN-16	
Collector: Client	

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		5.39	+/-0.546	0.977	1.00	pCi/L			AXM6	07/07/16	0734 1581965	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			101	(25%-125%)

Notes:
 Counting Uncertainty is calculated at the 68% confidence level (1-sigma).

SRL = Sample Reporting Limit. For metals analysis only. When the sample is U qualified and ND, the SRL column reports the value which is the greater of either the adjusted MDL or the CRDL.



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: June Monthly GW 2016
Lab Sample ID: 1606373-007
Client Sample ID: MW-65_06142016
Collection Date: 6/14/2016 1435h
Received Date: 6/17/2016 1045h

Contact: Garrin Palmer

Analytical Results

DISSOLVED METALS

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Selenium	mg/L	6/21/2016 1534h	6/22/2016 908h	E200.8	0.00500	0.0415	
Uranium	mg/L	6/21/2016 1534h	6/22/2016 1135h	E200.8	0.000300	0.00768	

The sample was filtered in the field prior to analysis.

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Kyle F. Gross

Laboratory Director

Jose Rocha

QA Officer



INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: June Monthly GW 2016
Lab Sample ID: 1606373-007
Client Sample ID: MW-65_06142016
Collection Date: 6/14/2016 1435h
Received Date: 6/17/2016 1045h

Contact: Garrin Palmer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		6/29/2016 1639h	E300.0	10.0	164	
Fluoride	mg/L		6/29/2016 1622h	E300.0	0.100	0.366	
Nitrate/Nitrite (as N)	mg/L		6/28/2016 1753h	E353.2	0.100	19.1	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Project: June Monthly GW 2016
Lab Sample ID: 1606373-008A
Client Sample ID: Trip Blank
Collection Date: 6/15/2016
Received Date: 6/17/2016 1045h

Contact: Garrin Palmer

Test Code: 8260-W-DEN100

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 6/17/2016 1410h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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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	54.7	50.00	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.2	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	52.9	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	49.5	50.00	99.0	77-129	

Reissue of a previously generated report. Information has been added, updated, or revised. Information herein supersedes that of the previously issued reports.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: June Monthly GW 2016

Dear Garrin Palmer:

Lab Set ID: 1606373

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Salt Lake City, UT 84119

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American West Analytical Laboratories received sample(s) on 6/17/2016 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.

This is a revision to a report originally issued 7/1/2016. Pages 1, 17-18, and 28-31 have been revised. The analyte list has been updated.

Thank You,

**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: 2016.07.21 09:36:32
-06'00'

Approved by:

Laboratory Director or designee

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc.
Project: June Monthly GW 2016
Lab Set ID: 1606373
Date Received: 6/17/2016 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
1606373-001E	MW-11_06142016	6/14/2016 1155h	Aqueous	ICPMS Metals, Dissolved
1606373-002E	MW-25_06142016	6/14/2016 1055h	Aqueous	ICPMS Metals, Dissolved
1606373-002F	MW-25_06142016	6/14/2016 1055h	Aqueous	Anions, E300.0
1606373-003E	MW-26_06152016	6/15/2016 1045h	Aqueous	ICPMS Metals, Dissolved
1606373-003F	MW-26_06152016	6/15/2016 1045h	Aqueous	Anions, E300.0
1606373-003G	MW-26_06152016	6/15/2016 1045h	Aqueous	Nitrite/Nitrate (as N), E353.2
1606373-003H	MW-26_06152016	6/15/2016 1045h	Aqueous	VOA by GC/MS Method 8260C/5030C
1606373-004E	MW-30_06142016	6/14/2016 1435h	Aqueous	ICPMS Metals, Dissolved
1606373-004F	MW-30_06142016	6/14/2016 1435h	Aqueous	Anions, E300.0
1606373-004G	MW-30_06142016	6/14/2016 1435h	Aqueous	Nitrite/Nitrate (as N), E353.2
1606373-005E	MW-31_06152016	6/15/2016 1410h	Aqueous	ICPMS Metals, Dissolved
1606373-005F	MW-31_06152016	6/15/2016 1410h	Aqueous	Anions, E300.0
1606373-005G	MW-31_06152016	6/15/2016 1410h	Aqueous	Nitrite/Nitrate (as N), E353.2
1606373-005H	MW-31_06152016	6/15/2016 1410h	Aqueous	Total Dissolved Solids, A2540C
1606373-006E	MW-35_06152016	6/15/2016 910h	Aqueous	ICPMS Metals, Dissolved
1606373-007E	MW-65_06142016	6/14/2016 1435h	Aqueous	ICPMS Metals, Dissolved
1606373-007F	MW-65_06142016	6/14/2016 1435h	Aqueous	Anions, E300.0
1606373-007G	MW-65_06142016	6/14/2016 1435h	Aqueous	Nitrite/Nitrate (as N), E353.2
1606373-008A	Trip Blank	6/15/2016	Aqueous	VOA by GC/MS Method 8260C/5030C



Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: June Monthly GW 2016
Lab Set ID: 1606373

3440 South 700 West
Salt Lake City, UT 84119

Sample Receipt Information:

Date of Receipt: 6/17/2016
Dates of Collection: 6/14 – 6/15/2016
Sample Condition: Intact
C-O-C Discrepancies: See Chain-of-Custody

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

web: www.awal-labs.com

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Kyle F. Gross
Laboratory Director

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Jose Rocha
QA Officer

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.



Volatile Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: June Monthly GW 2016
Lab Set ID: 1606373

3440 South 700 West
Salt Lake City, UT 84119

Sample Receipt Information:

Date of Receipt: 6/17/2016
Dates of Collection: 6/14 – 6/15/2016
Sample Condition: Intact
C-O-C Discrepancies: See Chain-of-Custody
Method: SW-846 8260C/5030C
Analysis: Volatile Organic Compounds

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web: www.awal-labs.com

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.

Kyle F. Gross
Laboratory Director

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Jose Rocha
QA Officer

Batch QC Requirements: MB, LCS, MS, MSD, RPD, 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: 1606373

Project: June Monthly GW 2016

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-43634	Date Analyzed:		06/22/2016 824h										
Test Code: 200.8-DIS	Date Prepared:		06/21/2016 1534h										
Cadmium	0.197	mg/L	E200.8	0.0000666	0.000500	0.2000	0	98.3	85 - 115				
Manganese	0.200	mg/L	E200.8	0.000560	0.00200	0.2000	0	100	85 - 115				
Selenium	0.202	mg/L	E200.8	0.000310	0.00200	0.2000	0	101	85 - 115				
Thallium	0.195	mg/L	E200.8	0.0000500	0.00200	0.2000	0	97.6	85 - 115				
Uranium	0.205	mg/L	E200.8	0.0000710	0.00200	0.2000	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: 1606373
Project: June Monthly GW 2016

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-43634	Date Analyzed:	06/22/2016	1119h										
Test Code:	200.8-DIS	Date Prepared:	06/21/2016	1534h									
Uranium	< 0.000200	mg/L	E200.8	0.00000710	0.000200								
Lab Sample ID: MB-43634	Date Analyzed:	06/22/2016	821h										
Test Code:	200.8-DIS	Date Prepared:	06/21/2016	1534h									
Manganese	< 0.00200	mg/L	E200.8	0.000560	0.00200								
Selenium	< 0.00200	mg/L	E200.8	0.000310	0.00200								
Lab Sample ID: MB-43634	Date Analyzed:	06/22/2016	945h										
Test Code:	200.8-DIS	Date Prepared:	06/21/2016	1534h									
Cadmium	< 0.000125	mg/L	E200.8	0.0000167	0.000125								
Thallium	< 0.000500	mg/L	E200.8	0.0000125	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: 1606373
Project: June Monthly GW 2016

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: 1606373-001EMS													
Date Analyzed:		06/22/2016 840h											
Test Code:		200.8-DIS											
Date Prepared:		06/21/2016 1534h											
Cadmium	0.196	mg/L	E200.8	0.0000666	0.000500	0.2000	0.00016	97.7	75 - 125				
Manganese	0.356	mg/L	E200.8	0.000560	0.00200	0.2000	0.158	99.1	75 - 125				
Selenium	0.194	mg/L	E200.8	0.000310	0.00200	0.2000	0	96.8	75 - 125				
Thallium	0.190	mg/L	E200.8	0.0000500	0.00200	0.2000	0	95.1	75 - 125				
Uranium	0.200	mg/L	E200.8	0.0000710	0.00200	0.2000	0.000869	99.6	75 - 125				
Lab Sample ID: 1606395-001EMS													
Date Analyzed:		06/22/2016 914h											
Test Code:		200.8-DIS											
Date Prepared:		06/21/2016 1534h											
Cadmium	0.195	mg/L	E200.8	0.0000666	0.000500	0.2000	0	97.3	75 - 125				
Manganese	0.402	mg/L	E200.8	0.000560	0.00200	0.2000	0.21	95.9	75 - 125				
Selenium	0.197	mg/L	E200.8	0.000310	0.00200	0.2000	0.00369	96.7	75 - 125				
Thallium	0.192	mg/L	E200.8	0.0000500	0.00200	0.2000	0	96.0	75 - 125				
Uranium	0.220	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0223	98.8	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: 1606373

Project: June Monthly GW 2016

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: 1606373-001EMSD													
Date Analyzed:		06/22/2016 843h											
Test Code:		200.8-DIS											
Date Prepared:		06/21/2016 1534h											
Cadmium	0.198	mg/L	E200.8	0.0000666	0.000500	0.2000	0.00016	99.0	75 - 125	0.196	1.23	20	
Manganese	0.358	mg/L	E200.8	0.000560	0.00200	0.2000	0.158	100	75 - 125	0.356	0.483	20	
Selenium	0.195	mg/L	E200.8	0.000310	0.00200	0.2000	0	97.5	75 - 125	0.194	0.712	20	
Thallium	0.192	mg/L	E200.8	0.0000500	0.00200	0.2000	0	95.9	75 - 125	0.19	0.876	20	
Uranium	0.203	mg/L	E200.8	0.0000710	0.00200	0.2000	0.000869	101	75 - 125	0.2	1.24	20	
Lab Sample ID: 1606395-001EMSD													
Date Analyzed:		06/22/2016 917h											
Test Code:		200.8-DIS											
Date Prepared:		06/21/2016 1534h											
Cadmium	0.200	mg/L	E200.8	0.0000666	0.000500	0.2000	0	100	75 - 125	0.195	2.82	20	
Manganese	0.408	mg/L	E200.8	0.000560	0.00200	0.2000	0.21	99.1	75 - 125	0.402	1.57	20	
Selenium	0.201	mg/L	E200.8	0.000310	0.00200	0.2000	0.00369	98.5	75 - 125	0.197	1.84	20	
Thallium	0.196	mg/L	E200.8	0.0000500	0.00200	0.2000	0	98.2	75 - 125	0.192	2.28	20	
Uranium	0.225	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0223	101	75 - 125	0.22	2.31	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: 1606373

Project: June Monthly GW 2016

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: 1606373-005HDUP	Date Analyzed: 06/17/2016 1241h												
Test Code: TDS-W-2540C													
Total Dissolved Solids	1,590	mg/L	SM2540C	17.5	20.0					1580	0.757	5	



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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1606373
Project: June Monthly GW 2016

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-R91571													
Date Analyzed: 06/29/2016 1209h													
Test Code: 300.0-W													
Chloride	5.04	mg/L	E300.0	0.00516	0.100	5.000	0	101	90 - 110				
Fluoride	5.24	mg/L	E300.0	0.0139	0.100	5.000	0	105	90 - 110				
Sulfate	5.17	mg/L	E300.0	0.0201	0.750	5.000	0	103	90 - 110				
Lab Sample ID: LCS-R91496													
Date Analyzed: 06/28/2016 1749h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.05	mg/L	E353.2	0.00833	0.0100	1.000	0	105	90 - 110				
Lab Sample ID: LCS-R91226													
Date Analyzed: 06/17/2016 1241h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	208	mg/L	SM2540C	8.77	10.0	205.0	0	101	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: 1606373
Project: June Monthly GW 2016

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-R91571 Date Analyzed: 06/29/2016 1153h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00516	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0139	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0201	0.750								
Lab Sample ID: MB-R91496 Date Analyzed: 06/28/2016 1748h													
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-R91226 Date Analyzed: 06/17/2016 1241h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.

Lab Set ID: 1606373

Project: June Monthly GW 2016

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: 1606373-005FMS													
Date Analyzed: 06/29/2016 1407h													
Test Code: 300.0-W													
Chloride	1,300	mg/L	E300.0	1.03	20.0	1,000	252	105	90 - 110				
Fluoride	1,060	mg/L	E300.0	2.78	20.0	1,000	3.55	105	90 - 110				
Sulfate	1,730	mg/L	E300.0	4.02	150	1,000	748	98.4	90 - 110				
Lab Sample ID: 1606373-007GMS													
Date Analyzed: 06/28/2016 1804h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	38.9	mg/L	E353.2	0.167	0.200	20.00	19.1	99.2	90 - 110				



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Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1606373
Project: June Monthly GW 2016

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: 1606373-005FMSD													
Date Analyzed: 06/29/2016 1424h													
Test Code: 300.0-W													
Chloride	1,310	mg/L	E300.0	1.03	20.0	1,000	252	106	90 - 110	1300	0.614	20	
Fluoride	1,060	mg/L	E300.0	2.78	20.0	1,000	3.55	106	90 - 110	1060	0.746	20	
Sulfate	1,740	mg/L	E300.0	4.02	150	1,000	748	99.5	90 - 110	1730	0.631	20	
Lab Sample ID: 1606373-007GMSD													
Date Analyzed: 06/28/2016 1805h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	37.6	mg/L	E353.2	0.167	0.200	20.00	19.1	92.6	90 - 110	38.9	3.42	10	



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1606373
Project: June Monthly GW 2016

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 061716A		Date Analyzed:		06/17/2016 1114h									
Test Code: 8260-W-DEN100													
Chloroform	19.7	µg/L	SW8260C	0.153	1.00	20.00	0	98.3	85 - 124				
Methylene chloride	20.2	µg/L	SW8260C	0.172	1.00	20.00	0	101	81 - 135				
Surr: 1,2-Dichloroethane-d4	54.2	µg/L	SW8260C			50.00		108	80 - 122				
Surr: 4-Bromofluorobenzene	48.8	µg/L	SW8260C			50.00		97.6	85 - 121				
Surr: Dibromofluoromethane	53.0	µg/L	SW8260C			50.00		106	80 - 116				
Surr: Toluene-d8	48.6	µg/L	SW8260C			50.00		97.2	81 - 123				

Reissue of a previously generated report. Information has been added, updated, or revised. Information herein supersedes that of the previously issued reports.



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1606373
Project: June Monthly GW 2016

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 061716A	Date Analyzed: 06/17/2016 1153h												
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	55.6	µg/L	SW8260C			50.00		111	80 - 122				
Surr: 4-Bromofluorobenzene	52.8	µg/L	SW8260C			50.00		106	85 - 121				
Surr: Dibromofluoromethane	53.7	µg/L	SW8260C			50.00		107	80 - 116				
Surr: Toluene-d8	50.5	µg/L	SW8260C			50.00		101	81 - 123				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.

Lab Set ID: 1606373

Project: June Monthly GW 2016

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: 1606373-003HMS	Date Analyzed: 06/17/2016 1529h												
Test Code: 8260-W-DEN100													
Chloroform	3,820	µg/L	SW8260C	15.3	100	2,000	1860	97.9	50 - 146				
Methylene chloride	2,030	µg/L	SW8260C	17.2	100	2,000	0	101	30 - 192				
Surr: 1,2-Dichloroethane-d4	5,480	µg/L	SW8260C			5,000		110	72 - 151				
Surr: 4-Bromofluorobenzene	4,960	µg/L	SW8260C			5,000		99.1	80 - 152				
Surr: Dibromofluoromethane	5,330	µg/L	SW8260C			5,000		107	80 - 124				
Surr: Toluene-d8	4,820	µg/L	SW8260C			5,000		96.3	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: 1606373
Project: June Monthly GW 2016

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: 1606373-003HMSD		Date Analyzed: 06/17/2016 1549h											
Test Code: 8260-W-DEN100													
Chloroform	3,720	µg/L	SW8260C	15.3	100	2,000	1860	92.9	50 - 146	3820	2.65	25	
Methylene chloride	1,980	µg/L	SW8260C	17.2	100	2,000	0	98.8	30 - 192	2030	2.55	25	
Surr: 1,2-Dichloroethane-d4	5,410	µg/L	SW8260C			5,000		108	72 - 151				
Surr: 4-Bromofluorobenzene	4,980	µg/L	SW8260C			5,000		99.6	80 - 152				
Surr: Dibromofluoromethane	5,270	µg/L	SW8260C			5,000		105	80 - 124				
Surr: Toluene-d8	4,840	µg/L	SW8260C			5,000		96.7	77 - 129				

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WORK ORDER Summary

Work Order: **1606373**

Page 1 of 2

Client: Energy Fuels Resources, Inc.

Due Date: 7/1/2016

Client ID: DEN100

Contact: Garrin Palmer

Project: April Monthly GW 2016

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: Run NO2/NO3 as a 10X. 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	
1606373-001E	MW-11_06142016	6/14/2016 1155h	6/17/2016 1045h	200.8-DIS <i>1 SEL Analytes: MN</i>	Aqueous	df-met		1
				200.8-DIS-PR		df-met		
1606373-002E	MW-25_06142016	6/14/2016 1055h	6/17/2016 1045h	200.8-DIS <i>2 SEL Analytes: CD U</i>	Aqueous	df-met		1
				200.8-DIS-PR		df-met		
1606373-002F				300.0-W <i>1 SEL Analytes: CL</i>		df-cl		
1606373-003E	MW-26_06152016	6/15/2016 1045h	6/17/2016 1045h	200.8-DIS <i>1 SEL Analytes: U</i>	Aqueous	df-met		1
				200.8-DIS-PR		df-met		
1606373-003F				300.0-W <i>1 SEL Analytes: CL</i>		df-cl		
1606373-003G				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>		DF-NO2/NO3		
1606373-003H				8260-W-DEN100 <i>Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4</i>		VOCFridge		3
1606373-004E	MW-30_06142016	6/14/2016 1435h	6/17/2016 1045h	200.8-DIS <i>2 SEL Analytes: SE U</i>	Aqueous	df-met		1
				200.8-DIS-PR		df-met		
1606373-004F				300.0-W <i>2 SEL Analytes: CL F</i>		df-cl		
1606373-004G				NO2/NO3-W-353.2 <i>1 SEL Analytes: NO3NO2N</i>		DF-NO2/NO3		
1606373-005E	MW-31_06152016	6/15/2016 1410h	6/17/2016 1045h	200.8-DIS <i>1 SEL Analytes: SE</i>	Aqueous	df-met		1
				200.8-DIS-PR		df-met		
1606373-005F				300.0-W <i>2 SEL Analytes: CL SO4</i>		df-cl		

WORK ORDER Summary

Work Order: **1606373** Page 2 of 2

Client: Energy Fuels Resources, Inc.

Due Date: 7/1/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1606373-005G	MW-31_06152016	6/15/2016 1410h	6/17/2016 1045h	NO2/NO3-W-353.2	Aqueous		DF-NO2/NO3	1
				1 SEL Analytes: NO3NO2N				
1606373-005H				TDS-W-2540C			DF-tds	
				1 SEL Analytes: TDS				
1606373-006E	MW-35_06152016	6/15/2016 0910h	6/17/2016 1045h	200.8-DIS	Aqueous		df-met	1
				4 SEL Analytes: MN SE TL U				
				200.8-DIS-PR			df-met	
1606373-007E	MW-65_06142016	6/14/2016 1435h	6/17/2016 1045h	200.8-DIS	Aqueous		df-met	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR			df-met	
1606373-007F				300.0-W			df-cl	
				2 SEL Analytes: CL F				
1606373-007G				NO2/NO3-W-353.2			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1606373-008A	Trip Blank	6/15/2016	6/17/2016 1045h	8260-W-DEN100	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # 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.

1600373

AWAL Lab Sample Set #
 Page 1 of 1

Client: **Energy Fuels Resources, Inc.**
 Address: **6425 S. Hwy. 191
 Blanding, UT 84511**
 Contact: **Garrin Palmer**
 Phone #: **(435) 678-2221** Cell #:
 Email: **gpalmer@energyfuels.com; KWeinl@energyfuels.com;
 dturk@energyfuels.com**
 Project Name: **April Monthly GW 2016**
 Project #:
 PO #:
 Sampler Name: **Tanner Holliday**

QC Level:		Turn Around Time:		Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.		Due Date:	
3		Standard					
Laboratory Use Only							
Samples Were:							
1	Shipped or hand delivered						
2	Ambient or Chilled						
3	Temperature					1-2 °C	
4	Received Broken/Leaking (Improperly Sealed)						N
5	Properly Preserved						N
	Checked at bench						N
6	Received Within Holding Times						N

Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Dissolved Manganese (200.7/200.8)	Cl (4500 or 300.0)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Dissolved Thallium (200.7/200.8)	Fluoride (A4500-F C or 300.0)	SO4 (4500 or 300.0)	VOCs Chloroform, Dichloromethane, (8260C)	Known Hazards & Sample Comments
MW-11_06142016	6/14/2016	1155	1	W		X										
MW-25_06142016	6/14/2016	1055	2	W			X		X	X						
MW-26_06152016	6/15/2016	1045	6	W	X		X		X						X	
MW-30_06142016	6/14/2016	1435	3	W	X		X		X				X			
MW-31_06152016	6/15/2016	1410	4	W	X		X	X		X				X		
MW-35_06152016	6/15/2016	910	1	W		X			X		X	X				
MW-65_06142016	6/14/2016	1435	3	W	X		X		X		X	X				
TRIP BLANK	6/15/2016		3	W											X	
TEMP BLANK	6/16/2016		1	W												

Relinquished by: Signature: <i>Tanner Holliday</i>	Date: 6/16/2016	Received by: Signature: <i>Elana Hapus</i>	Date: 6/17/16	Special Instructions: Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.
Print Name: TANNER HOLLIDAY	Time: 1230	Print Name: Elana Hapus	Time: 1045	
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:	

Lab Set ID: 16063 73
pH 4+5004

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7											
Ammonia	pH <2 H ₂ SO ₄																		
COD	pH <2 H ₂ SO ₄																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO ₃	Yes																	
NO ₂ & NO ₃	pH <2 H ₂ SO ₄			Yes	Yes	Yes	Yes	Yes											
O & G	pH <2 HCL																		
Phenols	pH <2 H ₂ SO ₄																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H ₂ SO ₄																		
T PO ₄	pH <2 H ₂ SO 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.



July 15, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 399593

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on June 17, 2016. 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
Project Manager

Purchase Order: DW16138
Enclosures



Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 399593

July 15, 2016

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 June 17, 2016 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:

<u>Laboratory ID</u>	<u>Client ID</u>
399593001	MW-35_06152016

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

SAMPLE RECEIPT & REVIEW FORM

Client: <u>DMMI</u>		SDG/AR/COC/Work Order: <u>399593</u>
Received By: <u>Sara Brimball</u>		Date Received: <u>6/17/16</u>
Suspected Hazard Information	Yes <input type="checkbox"/> No <input type="checkbox"/>	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?	<input checked="" type="checkbox"/>	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): <u>0 cpm</u>
Classified Radioactive II or III by RSO?	<input checked="" type="checkbox"/>	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?	<input checked="" type="checkbox"/>	
Package, COC, and/or Samples marked as beryllium or asbestos containing?	<input checked="" type="checkbox"/>	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?	<input checked="" type="checkbox"/>	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?	<input checked="" type="checkbox"/>	

Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1 Shipping containers received intact and sealed?	<input checked="" type="checkbox"/>			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2 Samples requiring cold preservation within (0 ≤ 6 deg. C)?*	<input checked="" type="checkbox"/>			Preservation Method: Ice bags Blue ice Dry ice <u>(None)</u> Other (describe) <u>24°C</u> *all temperatures are recorded in Celsius
2a Daily check performed and passed on IR temperature gun?	<input checked="" type="checkbox"/>			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): <u>E5102009184</u>
3 Chain of custody documents included with shipment?	<input checked="" type="checkbox"/>			
4 Sample containers intact and sealed?	<input checked="" type="checkbox"/>			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5 Samples requiring chemical preservation at proper pH?	<input checked="" type="checkbox"/>			Sample ID's, containers affected and observed pH: If Preservation added Lot#:
6 Do Low Level Perchlorate samples have headspace as required?	<input checked="" type="checkbox"/>			Sample ID's and containers affected:
7. VOA vials contain acid preservation?	<input checked="" type="checkbox"/>			(If unknown, select No)
8 VOA vials free of headspace (defined as < 6mm bubble)?	<input checked="" type="checkbox"/>			Sample ID's and containers affected:
9 Are Encore containers present?	<input checked="" type="checkbox"/>			(If yes, immediately deliver to Volatiles laboratory)
10 Samples received within holding time?	<input checked="" type="checkbox"/>			ID's and tests affected:
11 Sample ID's on COC match ID's on bottles?	<input checked="" type="checkbox"/>			Sample ID's and containers affected:
12 Date & time on COC match date & time on bottles?	<input checked="" type="checkbox"/>			Sample ID's affected:
13 Number of containers received match number indicated on COC?	<input checked="" type="checkbox"/>			Sample ID's affected:
14 Are sample containers identifiable as GEL provided?	<input checked="" type="checkbox"/>			
15 COC form is properly signed in relinquished/received sections?	<input checked="" type="checkbox"/>			
16 Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground <u>(UPS)</u> Field Services Courier Other <u>1Z 187 444 01 9087 6214</u>

Comments (Use Continuation Form if needed):

GEL Laboratories LLC – Login Review Report

Report Date: 15-JUL-16

Work Order: 399593

Page 1 of 2

GEL Work Order/SDG: 399593 April Monthly GW 2016
 Client SDG: 399593
 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: 18-JUL-16
 Package Due Date: 16-JUL-16
 EDD Due Date: 18-JUL-16
 Due Date: 18-JUL-16
 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
399593001	MW-35_06152016		15-JUN-16 09:10	17-JUN-16 09:40	-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_06152016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed Temperature (C)	Y 24

Product: GFCTORAL Workdef ID: 1297250 In Product Group? No Group Name: Group Reference:
 Method: EPA 900.1 Modified Path: Standard
 Product Description: GFPC, Total Alpha Radium, Liquid Product Reference: Gross Alpha
 Samples: 001 Moisture Correction: "As Received"
 Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

Action	Product Name	Description	Samples
--------	--------------	-------------	---------

Contingent Tests

Login Requirements:

Requirement	Include?	Comments
-------------	----------	----------

GEL Laboratories LLC – Login Review Report

Report Date: 15-JUL-16

Work Order: 399593

Page 2 of 2

Peer Review by: _____ Work Order (SDG#), PO# Checked? _____ C of C signed in receiver location? _____

**Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 399593**

Method/Analysis Information

Product: GFPC, Total Alpha Radium, Liquid
Analytical Method: EPA 900.1 Modified
Analytical Batch Number: 1581965

Sample ID	Client ID
399593001	MW-35_06152016
1203585406	Method Blank (MB)
1203585410	Laboratory Control Sample (LCS)
1203585407	399853004(NonSDG) Sample Duplicate (DUP)
1203585408	399853004(NonSDG) Matrix Spike (MS)
1203585409	399853004(NonSDG) 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.

QC Information

All of the QC samples met the required acceptance limits.

Designated QC

The following sample was used for QC: 399853004 (NonSDG).

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 1203585410 (LCS) was recounted due to low recovery. The recount is reported.

Miscellaneous Information:

Data Exception (DER) Documentation

Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Sample-Specific MDA/MDC

The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments

The matrix spike and matrix spike duplicate, 1203585408 (Non SDG 399853004MS) and 1203585409 (Non SDG 399853004MSD), 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: 399593 GEL Work Order: 399593

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: Theresa Austin

Date: 15 JUL 2016

Title: Group Leader

GEL LABORATORIES LLC

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

QC Summary

Report Date: July 15, 2016

Page 1 of

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

Contact: Ms. Kathy Weinel

Workorder: 399593

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch	1581965										
QC1203585407	399853004	DUP									
Gross Radium Alpha		U	0.126	U	-0.123	pCi/L	N/A		N/A	AXM6	07/07/16 07:3
		Uncertainty	+/-0.193		+/-0.210						
QC1203585410	LCS										
Gross Radium Alpha		413			378	pCi/L	91.6	(75%-125%)			07/07/16 11:2
		Uncertainty			+/-6.11						
QC1203585406	MB										
Gross Radium Alpha			U		-1.11	pCi/L					07/07/16 07:3
		Uncertainty			+/-0.214						
QC1203585408	399853004	MS									
Gross Radium Alpha		1670	U	0.126	1620	pCi/L	97.5	(75%-125%)			07/07/16 07:3
		Uncertainty		+/-0.193	+/-23.7						
QC1203585409	399853004	MSD									
Gross Radium Alpha		1670	U	0.126	1710	pCi/L	4.88	102	(0%-20%)		07/07/16 07:3
		Uncertainty		+/-0.193	+/-23.7						

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: 399593

Page 2 of

Parmname	NOM	Sample Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
NJ										
Q										
R										
U										
UI										
UJ										
UL										
X										
Y										
^										
h										

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more 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: Routine Field Data QA/QC Evaluation

Well	Sample Date	Time Req'd for 2 Casings	Time Pumped (min)	Amount Sufficient?	Conductance		RPD(%)	pH		RPD(%)	Temp (°C)		RPD(%)	Redox Potential (Eh)		RPD(%)	Turbidity (NTU)		>5 NTU	RPD(%)
MW-01	4/20/2016	182.14	185	Y	1923	1935	0.62	6.33	6.36	0.47	14.73	14.71	0.14	500	499	0.20	1	1	N	0.00
MW-02	4/26/2016	158.58	160	Y	3770	3757	0.35	6.55	6.57	0.30	13.56	13.60	0.29	340	339	0.29	0	0	N	0.00
MW-03	4/26/2016	26.92	30	Y	5767	5764	0.05	6.16	6.15	0.16	13.79	13.81	0.14	441	440	0.23	0	0	N	0.00
MW-03A	4/27/2016	68.31	70	Pumped dry	6058	6011	0.78	6.43	6.43	0.00	14.48	14.45	0.21	NM	NC	NC	NM	NM	N	NC
MW-05	4/21/2016	195.59	200	Y	2877	2880	0.10	6.89	6.92	0.43	15.07	15.06	0.07	403	400	0.75	0	0	N	0.00
MW-11	5/3/2016	265.11	270	Y	2937	2929	0.27	6.92	6.93	0.14	15.76	15.69	0.45	410	408	0.49	4.5	4.5	N	0.00
MW-12	4/21/2016	133.91	135	Y	4216	4211	0.12	6.29	6.31	0.32	14.80	14.76	0.27	428	428	0.00	0.0	0.0	N	0.00
MW-14	5/4/2016	154.19	155	Y	3871	3852	0.49	6.30	6.28	0.32	14.71	14.70	0.07	436	436	0.00	5.1	5.2	Y	1.94
MW-15	4/27/2016	188.01	200	Y	4308	4314	0.14	6.01	6.02	0.17	15.02	15.02	0.00	439	438	0.23	0	0	N	0.00
MW-17	4/26/2016	244.10	250	Y	3868	3864	0.10	6.57	6.58	0.15	14.23	14.25	0.14	471	471	0.00	22.0	22.0	Y	0.00
MW-18	4/19/2016	372.96	375	Y	3495	3511	0.46	5.91	5.93	0.34	14.53	14.51	0.14	532	530	0.38	0.0	0.0	N	0.00
MW-19	4/19/2016	524.74	540	Y	1433	1433	0.00	6.22	6.25	0.48	14.65	14.59	0.41	504	503	0.20	864	870	Y	0.69
MW-20	5/18/2016	NA	NA	Bailed dry	5665	5679	0.25	6.50	6.53	0.46	14.16	14.17	0.07	NM	NC	NC	NM	NM	N	NC
MW-22	4/26/2016	287.32	300	Y	7801	7801	0.00	4.39	4.38	0.23	14.30	14.31	0.07	548	549	0.18	0	0.0	N	0.00
MW-23	4/25/2016	110	110	Pumped dry	3860	3865	0	7	7	0	16	17	1	NM	NC	NC	NM	NM	N	NC
MW-24	4/28/2016	49.65	60	Pumped dry	4458	4444	0.31	4.80	4.83	0.62	14.65	14.60	0.34	NM	NC	NC	NM	NM	N	NC
MW-25	5/3/2016	229.00	240	Y	3115	3111	0.13	6.23	6.24	0.16	15.41	15.45	0.26	470	470	0.00	12	13	Y	8.00
MW-26	5/4/2016	NA	NA	NA	3436	3436	NC	6.19	6.19	NC	15.40	15.40	NC	413	413	NC	4.5	4.5	N	NC
MW-27	4/20/2016	245.91	250	Y	1457	1456	0.07	6.51	6.54	0.46	15.46	15.43	0.19	456	454	0.44	0	0	N	0.00
MW-28	4/20/2016	209.26	210	Y	4016	4013	0.07	5.74	5.73	0.17	15.00	15.01	0.07	473	473	0.00	2	2	N	0.00
MW-29	4/27/2016	159.78	180	Y	4672	4675	0.06	6.00	6.03	0.50	14.42	14.40	0.14	382	381	0.26	7.2	7.2	Y	0.00
MW-30	5/4/2016	208.23	210	Y	2056	2057	0.05	6.22	6.30	1.28	15.10	15.09	0.07	413	411	0.49	2.9	2.9	N	0.00
MW-31	5/3/2016	370.85	375	Y	2294	2311	0.74	6.47	6.48	0.15	15.08	15.07	0.07	447	446	0.22	5.2	5.2	Y	0.00
MW-32	4/20/2016	331.91	335	Y	3810	3840	0.78	6.06	6.06	0.00	15.30	15.27	0.20	422	410	2.88	273	278	Y	1.81
MW-35	5/3/2016	72.58	75	Y	4150	4140	0.24	6.22	6.22	0.00	15.08	15.07	0.07	451	451	0.00	3.1	3.1	N	0.00
MW-36	4/20/2016	67.88	70	Y	4938	4940	0.04	6.43	6.43	0.00	15.00	14.98	0.13	384	383	0.26	0	0	N	0.00
MW-37	5/18/2016	NA	NA	Bailed dry	4301	4320	0.44	6.91	6.87	0.58	13.89	13.94	0.36	NM	NC	NC	NM	NM	N	NC

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements less than 5 NTU are included for information purposes only.

MW-26 is a continuously pumped well.

Well was purged dry.

N/A = The amount of water in the well was insufficient to purge. The pump was not able to operate due to the minimal amount of water. The well was purged and sampled with a bailer.

NM = Not Measured. The QAP does not require the measurement of redox potential or turbidity in wells that were purged to dryness.

NC = Not calculated.

Well was purged dry after 2 casing volumes were removed.

G-1B: Accelerated Field Data QA/QC Evaluation

Well	Sample Date	Time Req'd for 2 Casings	Time Pumped (min)	Amount Sufficient?	Conductance		RPD (%)	pH		RPD (%)	Temp (°C)		RPD (%)	Redox Potential (Eh)		RPD (%)	Turbidity (NTU)		<5 (NTU)	RPD (%)
Accelerated April Monthly																				
MW-11	4/12/2016	265.41	270	Y	2878	2876	0.07	7.30	7.32	0.27	14.53	14.49	0.28	436	433	0.69	0	0	Y	0.00
MW-14	4/13/2016	154.97	155	Y	3852	3864	0.31	6.40	6.38	0.31	14.60	14.54	0.41	514	515	0.19	0	0	Y	0.00
MW-25	4/12/2016	229.90	240	Y	3123	3120	0.10	6.50	6.51	0.15	14.97	14.97	0.00	492	492	0.00	0	0	Y	0.00
MW-26	4/13/2016	NA			3409		NC	6.50		NC	15.11		NC	440		NC	3.5		Y	NC
MW-30	4/13/2016	208.89	210	Y	2040	2040	0.00	6.87	6.84	0.44	14.47	14.47	0.00	486	486	0.00	0	0	Y	0.00
MW-31	4/12/2016	371.09	375	Y	2287	2283	0.18	6.93	6.93	0.00	14.88	14.90	0.13	478	478	0.00	115	115	N	0.00
MW-35	4/12/2016	70.29	75	Y	4094	4091	0.07	6.55	6.51	0.61	14.51	14.50	0.07	482	479	0.62	0	0	Y	0.00
Accelerated June Monthly																				
MW-11	6/14/2016	265.95	270	Y	2798	2805	0.25	6.75	6.79	0.59	16.37	16.35	0.12	468	463	1.07	8.2	8.1	N	1.23
MW-14	6/14/2016	155.57	170	Y	3919	3912	0.18	6.24	6.24	0.00	15.42	15.40	0.13	476	476	0.00	0	0	Y	0.00
MW-25	6/14/2016	228.94	240	Y	3171	3150	0.66	6.21	6.25	0.64	15.05	15.07	0.13	498	497	0.20	1	1	Y	0.00
MW-26	6/15/2016	NA			3395		NC	6.29		NC	15.93		NC	474		NC	4.0		Y	NC
MW-30	6/14/2016	209.40	210	Y	2019	2050	1.52	6.26	6.28	0.32	15.60	15.58	0.13	476	474	0.42	0	0	Y	0.00
MW-31	6/15/2016	371.57	390	Y	2340	2342	0.09	7.03	7.01	0.28	15.70	15.69	0.06	292	294	0.68	83	84	N	0.00
MW-35	6/15/2016	74.02	75	Y	4137	4106	0.75	6.19	6.20	0.16	14.74	14.75	0.07	489	488	0.20	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	2-Butanone	4/19/2016	4/25/2016	6	14	OK
Trip Blank	Acetone	4/19/2016	4/25/2016	6	14	OK
Trip Blank	Benzene	4/19/2016	4/25/2016	6	14	OK
Trip Blank	Carbon tetrachloride	4/19/2016	4/25/2016	6	14	OK
Trip Blank	Chloroform	4/19/2016	4/25/2016	6	14	OK
Trip Blank	Chloromethane	4/19/2016	4/25/2016	6	14	OK
Trip Blank	Methylene chloride	4/19/2016	4/25/2016	6	14	OK
Trip Blank	Naphthalene	4/19/2016	4/25/2016	6	14	OK
Trip Blank	Tetrahydrofuran	4/19/2016	4/25/2016	6	14	OK
Trip Blank	Toluene	4/19/2016	4/25/2016	6	14	OK
Trip Blank	Xylenes, Total	4/19/2016	4/25/2016	6	14	OK
Trip Blank	2-Butanone	4/26/2016	4/29/2016	3	14	OK
Trip Blank	Acetone	4/26/2016	4/29/2016	3	14	OK
Trip Blank	Benzene	4/26/2016	4/29/2016	3	14	OK
Trip Blank	Carbon tetrachloride	4/26/2016	4/29/2016	3	14	OK
Trip Blank	Chloroform	4/26/2016	4/29/2016	3	14	OK
Trip Blank	Chloromethane	4/26/2016	4/29/2016	3	14	OK
Trip Blank	Methylene chloride	4/26/2016	4/29/2016	3	14	OK
Trip Blank	Naphthalene	4/26/2016	4/29/2016	3	14	OK
Trip Blank	Tetrahydrofuran	4/26/2016	4/29/2016	3	14	OK
Trip Blank	Toluene	4/26/2016	4/29/2016	3	14	OK
Trip Blank	Xylenes, Total	4/26/2016	4/29/2016	3	14	OK
Trip Blank	2-Butanone	5/3/2016	5/6/2016	3	14	OK
Trip Blank	Acetone	5/3/2016	5/6/2016	3	14	OK
Trip Blank	Benzene	5/3/2016	5/6/2016	3	14	OK
Trip Blank	Carbon tetrachloride	5/3/2016	5/6/2016	3	14	OK
Trip Blank	Chloroform	5/3/2016	5/6/2016	3	14	OK
Trip Blank	Chloromethane	5/3/2016	5/6/2016	3	14	OK
Trip Blank	Methylene chloride	5/3/2016	5/6/2016	3	14	OK
Trip Blank	Naphthalene	5/3/2016	5/6/2016	3	14	OK
Trip Blank	Tetrahydrofuran	5/3/2016	5/6/2016	3	14	OK
Trip Blank	Toluene	5/3/2016	5/6/2016	3	14	OK
Trip Blank	Xylenes, Total	5/3/2016	5/6/2016	3	14	OK
Trip Blank	2-Butanone	5/18/2016	5/20/2016	2	14	OK
Trip Blank	Acetone	5/18/2016	5/20/2016	2	14	OK
Trip Blank	Benzene	5/18/2016	5/20/2016	2	14	OK
Trip Blank	Carbon tetrachloride	5/18/2016	5/20/2016	2	14	OK
Trip Blank	Chloroform	5/18/2016	5/20/2016	2	14	OK
Trip Blank	Chloromethane	5/18/2016	5/20/2016	2	14	OK
Trip Blank	Methylene chloride	5/18/2016	5/20/2016	2	14	OK
Trip Blank	Naphthalene	5/18/2016	5/20/2016	2	14	OK
Trip Blank	Tetrahydrofuran	5/18/2016	5/20/2016	2	14	OK
Trip Blank	Toluene	5/18/2016	5/20/2016	2	14	OK
Trip Blank	Xylenes, Total	5/18/2016	5/20/2016	2	14	OK
MW-01	2-Butanone	4/20/2016	4/25/2016	5	14	OK
MW-01	Acetone	4/20/2016	4/25/2016	5	14	OK
MW-01	Ammonia (as N)	4/20/2016	4/26/2016	6	28	OK
MW-01	Arsenic	4/20/2016	4/25/2016	5	180	OK
MW-01	Benzene	4/20/2016	4/25/2016	5	14	OK
MW-01	Beryllium	4/20/2016	4/25/2016	5	180	OK
MW-01	Bicarbonate (as CaCO3)	4/20/2016	4/25/2016	5	14	OK
MW-01	Cadmium	4/20/2016	4/25/2016	5	180	OK
MW-01	Calcium	4/20/2016	5/4/2016	14	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-01	Carbon tetrachloride	4/20/2016	4/25/2016	5	14	OK
MW-01	Carbonate (as CaCO ₃)	4/20/2016	4/25/2016	5	14	OK
MW-01	Chloride	4/20/2016	4/29/2016	9	28	OK
MW-01	Chloroform	4/20/2016	4/25/2016	5	14	OK
MW-01	Chloromethane	4/20/2016	4/25/2016	5	14	OK
MW-01	Chromium	4/20/2016	4/25/2016	5	180	OK
MW-01	Cobalt	4/20/2016	4/25/2016	5	180	OK
MW-01	Copper	4/20/2016	4/25/2016	5	180	OK
MW-01	Fluoride	4/20/2016	4/30/2016	10	28	OK
MW-01	Gross Radium Alpha	4/20/2016	5/16/2016	26	180	OK
MW-01	Iron	4/20/2016	4/25/2016	5	180	OK
MW-01	Lead	4/20/2016	4/25/2016	5	180	OK
MW-01	Magnesium	4/20/2016	5/4/2016	14	180	OK
MW-01	Manganese	4/20/2016	4/25/2016	5	180	OK
MW-01	Mercury	4/20/2016	5/2/2016	12	180	OK
MW-01	Methylene chloride	4/20/2016	4/25/2016	5	14	OK
MW-01	Molybdenum	4/20/2016	4/25/2016	5	180	OK
MW-01	Naphthalene	4/20/2016	4/25/2016	5	14	OK
MW-01	Nickel	4/20/2016	4/25/2016	5	180	OK
MW-01	Nitrate/Nitrite (as N)	4/20/2016	5/10/2016	20	28	OK
MW-01	Potassium	4/20/2016	5/4/2016	14	180	OK
MW-01	Selenium	4/20/2016	4/25/2016	5	180	OK
MW-01	Silver	4/20/2016	4/25/2016	5	180	OK
MW-01	Sodium	4/20/2016	5/4/2016	14	180	OK
MW-01	Sulfate	4/20/2016	4/29/2016	9	28	OK
MW-01	Tetrahydrofuran	4/20/2016	4/25/2016	5	14	OK
MW-01	Thallium	4/20/2016	4/25/2016	5	180	OK
MW-01	Tin	4/20/2016	4/25/2016	5	180	OK
MW-01	Toluene	4/20/2016	4/25/2016	5	14	OK
MW-01	Total Dissolved Solids	4/20/2016	4/22/2016	2	7	OK
MW-01	Uranium	4/20/2016	4/25/2016	5	180	OK
MW-01	Vanadium	4/20/2016	5/4/2016	14	180	OK
MW-01	Xylenes, Total	4/20/2016	4/25/2016	5	14	OK
MW-01	Zinc	4/20/2016	4/25/2016	5	180	OK
MW-02	2-Butanone	4/26/2016	4/29/2016	3	14	OK
MW-02	Acetone	4/26/2016	4/29/2016	3	14	OK
MW-02	Ammonia (as N)	4/26/2016	5/2/2016	6	28	OK
MW-02	Arsenic	4/26/2016	5/4/2016	8	180	OK
MW-02	Benzene	4/26/2016	4/29/2016	3	14	OK
MW-02	Beryllium	4/26/2016	5/4/2016	8	180	OK
MW-02	Bicarbonate (as CaCO ₃)	4/26/2016	4/29/2016	3	14	OK
MW-02	Cadmium	4/26/2016	5/4/2016	8	180	OK
MW-02	Calcium	4/26/2016	5/5/2016	9	180	OK
MW-02	Carbon tetrachloride	4/26/2016	4/29/2016	3	14	OK
MW-02	Carbonate (as CaCO ₃)	4/26/2016	4/29/2016	3	14	OK
MW-02	Chloride	4/26/2016	5/3/2016	7	28	OK
MW-02	Chloroform	4/26/2016	4/29/2016	3	14	OK
MW-02	Chloromethane	4/26/2016	4/29/2016	3	14	OK
MW-02	Chromium	4/26/2016	5/4/2016	8	180	OK
MW-02	Cobalt	4/26/2016	5/4/2016	8	180	OK
MW-02	Copper	4/26/2016	5/4/2016	8	180	OK
MW-02	Fluoride	4/26/2016	5/3/2016	7	28	OK
MW-02	Gross Radium Alpha	4/26/2016	5/25/2016	29	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-02	Iron	4/26/2016	5/4/2016	8	180	OK
MW-02	Lead	4/26/2016	5/4/2016	8	180	OK
MW-02	Magnesium	4/26/2016	5/5/2016	9	180	OK
MW-02	Manganese	4/26/2016	5/4/2016	8	180	OK
MW-02	Mercury	4/26/2016	5/9/2016	13	180	OK
MW-02	Methylene chloride	4/26/2016	4/29/2016	3	14	OK
MW-02	Molybdenum	4/26/2016	5/4/2016	8	180	OK
MW-02	Naphthalene	4/26/2016	4/29/2016	3	14	OK
MW-02	Nickel	4/26/2016	5/4/2016	8	180	OK
MW-02	Nitrate/Nitrite (as N)	4/26/2016	5/10/2016	14	28	OK
MW-02	Potassium	4/26/2016	5/5/2016	9	180	OK
MW-02	Selenium	4/26/2016	5/4/2016	8	180	OK
MW-02	Silver	4/26/2016	5/4/2016	8	180	OK
MW-02	Sodium	4/26/2016	5/5/2016	9	180	OK
MW-02	Sulfate	4/26/2016	5/3/2016	7	28	OK
MW-02	Tetrahydrofuran	4/26/2016	4/29/2016	3	14	OK
MW-02	Thallium	4/26/2016	5/4/2016	8	180	OK
MW-02	Tin	4/26/2016	5/4/2016	8	180	OK
MW-02	Toluene	4/26/2016	4/29/2016	3	14	OK
MW-02	Total Dissolved Solids	4/26/2016	4/29/2016	3	7	OK
MW-02	Uranium	4/26/2016	5/4/2016	8	180	OK
MW-02	Vanadium	4/26/2016	5/6/2016	10	180	OK
MW-02	Xylenes, Total	4/26/2016	4/29/2016	3	14	OK
MW-02	Zinc	4/26/2016	5/4/2016	8	180	OK
MW-03	2-Butanone	4/26/2016	4/29/2016	3	14	OK
MW-03	Acetone	4/26/2016	4/29/2016	3	14	OK
MW-03	Ammonia (as N)	4/26/2016	5/2/2016	6	28	OK
MW-03	Arsenic	4/26/2016	5/4/2016	8	180	OK
MW-03	Benzene	4/26/2016	4/29/2016	3	14	OK
MW-03	Beryllium	4/26/2016	5/4/2016	8	180	OK
MW-03	Bicarbonate (as CaCO3)	4/26/2016	4/29/2016	3	14	OK
MW-03	Cadmium	4/26/2016	5/4/2016	8	180	OK
MW-03	Calcium	4/26/2016	5/5/2016	9	180	OK
MW-03	Carbon tetrachloride	4/26/2016	4/29/2016	3	14	OK
MW-03	Carbonate (as CaCO3)	4/26/2016	4/29/2016	3	14	OK
MW-03	Chloride	4/26/2016	5/3/2016	7	28	OK
MW-03	Chloroform	4/26/2016	4/29/2016	3	14	OK
MW-03	Chloromethane	4/26/2016	4/29/2016	3	14	OK
MW-03	Chromium	4/26/2016	5/4/2016	8	180	OK
MW-03	Cobalt	4/26/2016	5/4/2016	8	180	OK
MW-03	Copper	4/26/2016	5/4/2016	8	180	OK
MW-03	Fluoride	4/26/2016	5/3/2016	7	28	OK
MW-03	Gross Radium Alpha	4/26/2016	5/26/2016	30	180	OK
MW-03	Iron	4/26/2016	5/4/2016	8	180	OK
MW-03	Lead	4/26/2016	5/4/2016	8	180	OK
MW-03	Magnesium	4/26/2016	5/5/2016	9	180	OK
MW-03	Manganese	4/26/2016	5/4/2016	8	180	OK
MW-03	Mercury	4/26/2016	5/9/2016	13	180	OK
MW-03	Methylene chloride	4/26/2016	4/29/2016	3	14	OK
MW-03	Molybdenum	4/26/2016	5/4/2016	8	180	OK
MW-03	Naphthalene	4/26/2016	4/29/2016	3	14	OK
MW-03	Nickel	4/26/2016	5/4/2016	8	180	OK
MW-03	Nitrate/Nitrite (as N)	4/26/2016	5/10/2016	14	28	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-03	Potassium	4/26/2016	5/5/2016	9	180	OK
MW-03	Selenium	4/26/2016	5/4/2016	8	180	OK
MW-03	Silver	4/26/2016	5/4/2016	8	180	OK
MW-03	Sodium	4/26/2016	5/5/2016	9	180	OK
MW-03	Sulfate	4/26/2016	5/3/2016	7	28	OK
MW-03	Tetrahydrofuran	4/26/2016	4/29/2016	3	14	OK
MW-03	Thallium	4/26/2016	5/4/2016	8	180	OK
MW-03	Tin	4/26/2016	5/4/2016	8	180	OK
MW-03	Toluene	4/26/2016	4/29/2016	3	14	OK
MW-03	Total Dissolved Solids	4/26/2016	4/29/2016	3	7	OK
MW-03	Uranium	4/26/2016	5/4/2016	8	180	OK
MW-03	Vanadium	4/26/2016	5/6/2016	10	180	OK
MW-03	Xylenes, Total	4/26/2016	4/29/2016	3	14	OK
MW-03	Zinc	4/26/2016	5/4/2016	8	180	OK
MW-03a	2-Butanone	4/27/2016	4/29/2016	2	14	OK
MW-03a	Acetone	4/27/2016	4/29/2016	2	14	OK
MW-03a	Ammonia (as N)	4/27/2016	5/2/2016	5	28	OK
MW-03a	Arsenic	4/27/2016	5/4/2016	7	180	OK
MW-03a	Benzene	4/27/2016	4/29/2016	2	14	OK
MW-03a	Beryllium	4/27/2016	5/4/2016	7	180	OK
MW-03a	Bicarbonate (as CaCO3)	4/27/2016	4/29/2016	2	14	OK
MW-03a	Cadmium	4/27/2016	5/4/2016	7	180	OK
MW-03a	Calcium	4/27/2016	5/5/2016	8	180	OK
MW-03a	Carbon tetrachloride	4/27/2016	4/29/2016	2	14	OK
MW-03a	Carbonate (as CaCO3)	4/27/2016	4/29/2016	2	14	OK
MW-03a	Chloride	4/27/2016	5/3/2016	6	28	OK
MW-03a	Chloroform	4/27/2016	4/29/2016	2	14	OK
MW-03a	Chloromethane	4/27/2016	4/29/2016	2	14	OK
MW-03a	Chromium	4/27/2016	5/4/2016	7	180	OK
MW-03a	Cobalt	4/27/2016	5/4/2016	7	180	OK
MW-03a	Copper	4/27/2016	5/4/2016	7	180	OK
MW-03a	Fluoride	4/27/2016	5/3/2016	6	28	OK
MW-03a	Gross Radium Alpha	4/27/2016	5/25/2016	28	180	OK
MW-03a	Iron	4/27/2016	5/4/2016	7	180	OK
MW-03a	Lead	4/27/2016	5/4/2016	7	180	OK
MW-03a	Magnesium	4/27/2016	5/5/2016	8	180	OK
MW-03a	Manganese	4/27/2016	5/4/2016	7	180	OK
MW-03a	Mercury	4/27/2016	5/9/2016	12	180	OK
MW-03a	Methylene chloride	4/27/2016	4/29/2016	2	14	OK
MW-03a	Molybdenum	4/27/2016	5/4/2016	7	180	OK
MW-03a	Naphthalene	4/27/2016	4/29/2016	2	14	OK
MW-03a	Nickel	4/27/2016	5/4/2016	7	180	OK
MW-03a	Nitrate/Nitrite (as N)	4/27/2016	5/10/2016	13	28	OK
MW-03a	Potassium	4/27/2016	5/5/2016	8	180	OK
MW-03a	Selenium	4/27/2016	5/4/2016	7	180	OK
MW-03a	Silver	4/27/2016	5/4/2016	7	180	OK
MW-03a	Sodium	4/27/2016	5/5/2016	8	180	OK
MW-03a	Sulfate	4/27/2016	5/3/2016	6	28	OK
MW-03a	Tetrahydrofuran	4/27/2016	4/29/2016	2	14	OK
MW-03a	Thallium	4/27/2016	5/4/2016	7	180	OK
MW-03a	Tin	4/27/2016	5/4/2016	7	180	OK
MW-03a	Toluene	4/27/2016	4/29/2016	2	14	OK
MW-03a	Total Dissolved Solids	4/27/2016	4/29/2016	2	7	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-03a	Uranium	4/27/2016	5/4/2016	7	180	OK
MW-03a	Vanadium	4/27/2016	5/6/2016	9	180	OK
MW-03a	Xylenes, Total	4/27/2016	4/29/2016	2	14	OK
MW-03a	Zinc	4/27/2016	5/4/2016	7	180	OK
MW-05	2-Butanone	4/21/2016	4/25/2016	4	14	OK
MW-05	Acetone	4/21/2016	4/25/2016	4	14	OK
MW-05	Ammonia (as N)	4/21/2016	4/26/2016	5	28	OK
MW-05	Arsenic	4/21/2016	4/25/2016	4	180	OK
MW-05	Benzene	4/21/2016	4/25/2016	4	14	OK
MW-05	Beryllium	4/21/2016	4/25/2016	4	180	OK
MW-05	Bicarbonate (as CaCO3)	4/21/2016	4/25/2016	4	14	OK
MW-05	Cadmium	4/21/2016	4/25/2016	4	180	OK
MW-05	Calcium	4/21/2016	5/4/2016	13	180	OK
MW-05	Carbon tetrachloride	4/21/2016	4/25/2016	4	14	OK
MW-05	Carbonate (as CaCO3)	4/21/2016	4/25/2016	4	14	OK
MW-05	Chloride	4/21/2016	4/29/2016	8	28	OK
MW-05	Chloroform	4/21/2016	4/25/2016	4	14	OK
MW-05	Chloromethane	4/21/2016	4/25/2016	4	14	OK
MW-05	Chromium	4/21/2016	4/25/2016	4	180	OK
MW-05	Cobalt	4/21/2016	4/25/2016	4	180	OK
MW-05	Copper	4/21/2016	4/25/2016	4	180	OK
MW-05	Fluoride	4/21/2016	4/30/2016	9	28	OK
MW-05	Gross Radium Alpha	4/21/2016	5/16/2016	25	180	OK
MW-05	Iron	4/21/2016	4/25/2016	4	180	OK
MW-05	Lead	4/21/2016	4/25/2016	4	180	OK
MW-05	Magnesium	4/21/2016	5/4/2016	13	180	OK
MW-05	Manganese	4/21/2016	4/25/2016	4	180	OK
MW-05	Mercury	4/21/2016	5/2/2016	11	180	OK
MW-05	Methylene chloride	4/21/2016	4/25/2016	4	14	OK
MW-05	Molybdenum	4/21/2016	4/25/2016	4	180	OK
MW-05	Naphthalene	4/21/2016	4/25/2016	4	14	OK
MW-05	Nickel	4/21/2016	4/25/2016	4	180	OK
MW-05	Nitrate/Nitrite (as N)	4/21/2016	5/6/2016	15	28	OK
MW-05	Potassium	4/21/2016	5/4/2016	13	180	OK
MW-05	Selenium	4/21/2016	4/25/2016	4	180	OK
MW-05	Silver	4/21/2016	4/25/2016	4	180	OK
MW-05	Sodium	4/21/2016	5/4/2016	13	180	OK
MW-05	Sulfate	4/21/2016	4/29/2016	8	28	OK
MW-05	Tetrahydrofuran	4/21/2016	4/25/2016	4	14	OK
MW-05	Thallium	4/21/2016	4/25/2016	4	180	OK
MW-05	Tin	4/21/2016	4/25/2016	4	180	OK
MW-05	Toluene	4/21/2016	4/25/2016	4	14	OK
MW-05	Total Dissolved Solids	4/21/2016	4/22/2016	1	7	OK
MW-05	Uranium	4/21/2016	4/25/2016	4	180	OK
MW-05	Vanadium	4/21/2016	5/4/2016	13	180	OK
MW-05	Xylenes, Total	4/21/2016	4/25/2016	4	14	OK
MW-05	Zinc	4/21/2016	4/25/2016	4	180	OK
MW-11	2-Butanone	5/3/2016	5/6/2016	3	14	OK
MW-11	Acetone	5/3/2016	5/6/2016	3	14	OK
MW-11	Ammonia (as N)	5/3/2016	5/9/2016	6	28	OK
MW-11	Arsenic	5/3/2016	5/12/2016	9	180	OK
MW-11	Benzene	5/3/2016	5/6/2016	3	14	OK
MW-11	Beryllium	5/3/2016	5/12/2016	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-11	Bicarbonate (as CaCO3)	5/3/2016	5/10/2016	7	14	OK
MW-11	Cadmium	5/3/2016	5/12/2016	9	180	OK
MW-11	Calcium	5/3/2016	5/17/2016	14	180	OK
MW-11	Carbon tetrachloride	5/3/2016	5/6/2016	3	14	OK
MW-11	Carbonate (as CaCO3)	5/3/2016	5/10/2016	7	14	OK
MW-11	Chloride	5/3/2016	5/12/2016	9	28	OK
MW-11	Chloroform	5/3/2016	5/6/2016	3	14	OK
MW-11	Chloromethane	5/3/2016	5/6/2016	3	14	OK
MW-11	Chromium	5/3/2016	5/12/2016	9	180	OK
MW-11	Cobalt	5/3/2016	5/12/2016	9	180	OK
MW-11	Copper	5/3/2016	5/12/2016	9	180	OK
MW-11	Fluoride	5/3/2016	5/13/2016	10	28	OK
MW-11	Gross Radium Alpha	5/3/2016	5/25/2016	22	180	OK
MW-11	Iron	5/3/2016	5/12/2016	9	180	OK
MW-11	Lead	5/3/2016	5/12/2016	9	180	OK
MW-11	Magnesium	5/3/2016	5/17/2016	14	180	OK
MW-11	Manganese	5/3/2016	5/12/2016	9	180	OK
MW-11	Mercury	5/3/2016	5/12/2016	9	180	OK
MW-11	Methylene chloride	5/3/2016	5/6/2016	3	14	OK
MW-11	Molybdenum	5/3/2016	5/12/2016	9	180	OK
MW-11	Naphthalene	5/3/2016	5/6/2016	3	14	OK
MW-11	Nickel	5/3/2016	5/12/2016	9	180	OK
MW-11	Nitrate/Nitrite (as N)	5/3/2016	5/18/2016	15	28	OK
MW-11	Potassium	5/3/2016	5/17/2016	14	180	OK
MW-11	Selenium	5/3/2016	5/12/2016	9	180	OK
MW-11	Silver	5/3/2016	5/12/2016	9	180	OK
MW-11	Sodium	5/3/2016	5/17/2016	14	180	OK
MW-11	Sulfate	5/3/2016	5/12/2016	9	28	OK
MW-11	Tetrahydrofuran	5/3/2016	5/6/2016	3	14	OK
MW-11	Thallium	5/3/2016	5/12/2016	9	180	OK
MW-11	Tin	5/3/2016	5/12/2016	9	180	OK
MW-11	Toluene	5/3/2016	5/6/2016	3	14	OK
MW-11	Total Dissolved Solids	5/3/2016	5/6/2016	3	7	OK
MW-11	Uranium	5/3/2016	5/12/2016	9	180	OK
MW-11	Vanadium	5/3/2016	5/17/2016	14	180	OK
MW-11	Xylenes, Total	5/3/2016	5/6/2016	3	14	OK
MW-11	Zinc	5/3/2016	5/12/2016	9	180	OK
MW-12	2-Butanone	4/21/2016	4/25/2016	4	14	OK
MW-12	Acetone	4/21/2016	4/25/2016	4	14	OK
MW-12	Ammonia (as N)	4/21/2016	4/26/2016	5	28	OK
MW-12	Arsenic	4/21/2016	4/25/2016	4	180	OK
MW-12	Benzene	4/21/2016	4/25/2016	4	14	OK
MW-12	Beryllium	4/21/2016	4/25/2016	4	180	OK
MW-12	Bicarbonate (as CaCO3)	4/21/2016	4/25/2016	4	14	OK
MW-12	Cadmium	4/21/2016	4/25/2016	4	180	OK
MW-12	Calcium	4/21/2016	5/4/2016	13	180	OK
MW-12	Carbon tetrachloride	4/21/2016	4/25/2016	4	14	OK
MW-12	Carbonate (as CaCO3)	4/21/2016	4/25/2016	4	14	OK
MW-12	Chloride	4/21/2016	4/29/2016	8	28	OK
MW-12	Chloroform	4/21/2016	4/25/2016	4	14	OK
MW-12	Chloromethane	4/21/2016	4/25/2016	4	14	OK
MW-12	Chromium	4/21/2016	4/25/2016	4	180	OK
MW-12	Cobalt	4/21/2016	4/25/2016	4	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-12	Copper	4/21/2016	4/26/2016	5	180	OK
MW-12	Fluoride	4/21/2016	4/30/2016	9	28	OK
MW-12	Gross Radium Alpha	4/21/2016	5/16/2016	25	180	OK
MW-12	Iron	4/21/2016	4/25/2016	4	180	OK
MW-12	Lead	4/21/2016	4/25/2016	4	180	OK
MW-12	Magnesium	4/21/2016	5/4/2016	13	180	OK
MW-12	Manganese	4/21/2016	4/25/2016	4	180	OK
MW-12	Mercury	4/21/2016	5/2/2016	11	180	OK
MW-12	Methylene chloride	4/21/2016	4/25/2016	4	14	OK
MW-12	Molybdenum	4/21/2016	4/25/2016	4	180	OK
MW-12	Naphthalene	4/21/2016	4/25/2016	4	14	OK
MW-12	Nickel	4/21/2016	4/25/2016	4	180	OK
MW-12	Nitrate/Nitrite (as N)	4/21/2016	5/6/2016	15	28	OK
MW-12	Potassium	4/21/2016	5/4/2016	13	180	OK
MW-12	Selenium	4/21/2016	4/25/2016	4	180	OK
MW-12	Silver	4/21/2016	4/25/2016	4	180	OK
MW-12	Sodium	4/21/2016	5/4/2016	13	180	OK
MW-12	Sulfate	4/21/2016	4/29/2016	8	28	OK
MW-12	Tetrahydrofuran	4/21/2016	4/25/2016	4	14	OK
MW-12	Thallium	4/21/2016	4/25/2016	4	180	OK
MW-12	Tin	4/21/2016	4/25/2016	4	180	OK
MW-12	Toluene	4/21/2016	4/25/2016	4	14	OK
MW-12	Total Dissolved Solids	4/21/2016	4/22/2016	1	7	OK
MW-12	Uranium	4/21/2016	4/25/2016	4	180	OK
MW-12	Vanadium	4/21/2016	5/4/2016	13	180	OK
MW-12	Xylenes, Total	4/21/2016	4/25/2016	4	14	OK
MW-12	Zinc	4/21/2016	4/25/2016	4	180	OK
MW-14	2-Butanone	5/4/2016	5/6/2016	2	14	OK
MW-14	Acetone	5/4/2016	5/6/2016	2	14	OK
MW-14	Ammonia (as N)	5/4/2016	5/9/2016	5	28	OK
MW-14	Arsenic	5/4/2016	5/12/2016	8	180	OK
MW-14	Benzene	5/4/2016	5/6/2016	2	14	OK
MW-14	Beryllium	5/4/2016	5/12/2016	8	180	OK
MW-14	Bicarbonate (as CaCO3)	5/4/2016	5/10/2016	6	14	OK
MW-14	Cadmium	5/4/2016	5/12/2016	8	180	OK
MW-14	Calcium	5/4/2016	5/17/2016	13	180	OK
MW-14	Carbon tetrachloride	5/4/2016	5/6/2016	2	14	OK
MW-14	Carbonate (as CaCO3)	5/4/2016	5/10/2016	6	14	OK
MW-14	Chloride	5/4/2016	5/12/2016	8	28	OK
MW-14	Chloroform	5/4/2016	5/6/2016	2	14	OK
MW-14	Chloromethane	5/4/2016	5/6/2016	2	14	OK
MW-14	Chromium	5/4/2016	5/12/2016	8	180	OK
MW-14	Cobalt	5/4/2016	5/12/2016	8	180	OK
MW-14	Copper	5/4/2016	5/12/2016	8	180	OK
MW-14	Fluoride	5/4/2016	5/13/2016	9	28	OK
MW-14	Gross Radium Alpha	5/4/2016	5/25/2016	21	180	OK
MW-14	Iron	5/4/2016	5/12/2016	8	180	OK
MW-14	Lead	5/4/2016	5/12/2016	8	180	OK
MW-14	Magnesium	5/4/2016	5/17/2016	13	180	OK
MW-14	Manganese	5/4/2016	5/12/2016	8	180	OK
MW-14	Mercury	5/4/2016	5/12/2016	8	180	OK
MW-14	Methylene chloride	5/4/2016	5/6/2016	2	14	OK
MW-14	Molybdenum	5/4/2016	5/12/2016	8	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	Naphthalene	5/4/2016	5/6/2016	2	14	OK
MW-14	Nickel	5/4/2016	5/12/2016	8	180	OK
MW-14	Nitrate/Nitrite (as N)	5/4/2016	5/18/2016	14	28	OK
MW-14	Potassium	5/4/2016	5/17/2016	13	180	OK
MW-14	Selenium	5/4/2016	5/12/2016	8	180	OK
MW-14	Silver	5/4/2016	5/12/2016	8	180	OK
MW-14	Sodium	5/4/2016	5/17/2016	13	180	OK
MW-14	Sulfate	5/4/2016	5/12/2016	8	28	OK
MW-14	Tetrahydrofuran	5/4/2016	5/6/2016	2	14	OK
MW-14	Thallium	5/4/2016	5/12/2016	8	180	OK
MW-14	Tin	5/4/2016	5/12/2016	8	180	OK
MW-14	Toluene	5/4/2016	5/6/2016	2	14	OK
MW-14	Total Dissolved Solids	5/4/2016	5/6/2016	2	7	OK
MW-14	Uranium	5/4/2016	5/12/2016	8	180	OK
MW-14	Vanadium	5/4/2016	5/18/2016	14	180	OK
MW-14	Xylenes, Total	5/4/2016	5/6/2016	2	14	OK
MW-14	Zinc	5/4/2016	5/12/2016	8	180	OK
MW-15	2-Butanone	4/27/2016	4/29/2016	2	14	OK
MW-15	Acetone	4/27/2016	4/29/2016	2	14	OK
MW-15	Ammonia (as N)	4/27/2016	5/2/2016	5	28	OK
MW-15	Arsenic	4/27/2016	5/4/2016	7	180	OK
MW-15	Benzene	4/27/2016	4/29/2016	2	14	OK
MW-15	Beryllium	4/27/2016	5/4/2016	7	180	OK
MW-15	Bicarbonate (as CaCO3)	4/27/2016	4/29/2016	2	14	OK
MW-15	Cadmium	4/27/2016	5/4/2016	7	180	OK
MW-15	Calcium	4/27/2016	5/5/2016	8	180	OK
MW-15	Carbon tetrachloride	4/27/2016	4/29/2016	2	14	OK
MW-15	Carbonate (as CaCO3)	4/27/2016	4/29/2016	2	14	OK
MW-15	Chloride	4/27/2016	5/3/2016	6	28	OK
MW-15	Chloroform	4/27/2016	4/29/2016	2	14	OK
MW-15	Chloromethane	4/27/2016	4/29/2016	2	14	OK
MW-15	Chromium	4/27/2016	5/4/2016	7	180	OK
MW-15	Cobalt	4/27/2016	5/4/2016	7	180	OK
MW-15	Copper	4/27/2016	5/4/2016	7	180	OK
MW-15	Fluoride	4/27/2016	5/4/2016	7	28	OK
MW-15	Gross Radium Alpha	4/27/2016	5/25/2016	28	180	OK
MW-15	Iron	4/27/2016	5/4/2016	7	180	OK
MW-15	Lead	4/27/2016	5/4/2016	7	180	OK
MW-15	Magnesium	4/27/2016	5/5/2016	8	180	OK
MW-15	Manganese	4/27/2016	5/4/2016	7	180	OK
MW-15	Mercury	4/27/2016	5/9/2016	12	180	OK
MW-15	Methylene chloride	4/27/2016	4/29/2016	2	14	OK
MW-15	Molybdenum	4/27/2016	5/4/2016	7	180	OK
MW-15	Naphthalene	4/27/2016	4/29/2016	2	14	OK
MW-15	Nickel	4/27/2016	5/4/2016	7	180	OK
MW-15	Nitrate/Nitrite (as N)	4/27/2016	5/10/2016	13	28	OK
MW-15	Potassium	4/27/2016	5/5/2016	8	180	OK
MW-15	Selenium	4/27/2016	5/4/2016	7	180	OK
MW-15	Silver	4/27/2016	5/4/2016	7	180	OK
MW-15	Sodium	4/27/2016	5/5/2016	8	180	OK
MW-15	Sulfate	4/27/2016	5/3/2016	6	28	OK
MW-15	Tetrahydrofuran	4/27/2016	4/29/2016	2	14	OK
MW-15	Thallium	4/27/2016	5/4/2016	7	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-15	Tin	4/27/2016	5/4/2016	7	180	OK
MW-15	Toluene	4/27/2016	4/29/2016	2	14	OK
MW-15	Total Dissolved Solids	4/27/2016	4/29/2016	2	7	OK
MW-15	Uranium	4/27/2016	5/4/2016	7	180	OK
MW-15	Vanadium	4/27/2016	5/6/2016	9	180	OK
MW-15	Xylenes, Total	4/27/2016	4/29/2016	2	14	OK
MW-15	Zinc	4/27/2016	5/4/2016	7	180	OK
MW-17	2-Butanone	4/26/2016	4/29/2016	3	14	OK
MW-17	Acetone	4/26/2016	4/29/2016	3	14	OK
MW-17	Ammonia (as N)	4/26/2016	5/2/2016	6	28	OK
MW-17	Arsenic	4/26/2016	5/4/2016	8	180	OK
MW-17	Benzene	4/26/2016	4/29/2016	3	14	OK
MW-17	Beryllium	4/26/2016	5/4/2016	8	180	OK
MW-17	Bicarbonate (as CaCO3)	4/26/2016	4/29/2016	3	14	OK
MW-17	Cadmium	4/26/2016	5/4/2016	8	180	OK
MW-17	Calcium	4/26/2016	5/5/2016	9	180	OK
MW-17	Carbon tetrachloride	4/26/2016	4/29/2016	3	14	OK
MW-17	Carbonate (as CaCO3)	4/26/2016	4/29/2016	3	14	OK
MW-17	Chloride	4/26/2016	5/3/2016	7	28	OK
MW-17	Chloroform	4/26/2016	4/29/2016	3	14	OK
MW-17	Chloromethane	4/26/2016	4/29/2016	3	14	OK
MW-17	Chromium	4/26/2016	5/4/2016	8	180	OK
MW-17	Cobalt	4/26/2016	5/4/2016	8	180	OK
MW-17	Copper	4/26/2016	5/4/2016	8	180	OK
MW-17	Fluoride	4/26/2016	5/4/2016	8	28	OK
MW-17	Gross Radium Alpha	4/26/2016	5/25/2016	29	180	OK
MW-17	Iron	4/26/2016	5/4/2016	8	180	OK
MW-17	Lead	4/26/2016	5/4/2016	8	180	OK
MW-17	Magnesium	4/26/2016	5/5/2016	9	180	OK
MW-17	Manganese	4/26/2016	5/4/2016	8	180	OK
MW-17	Mercury	4/26/2016	5/9/2016	13	180	OK
MW-17	Methylene chloride	4/26/2016	4/29/2016	3	14	OK
MW-17	Molybdenum	4/26/2016	5/4/2016	8	180	OK
MW-17	Naphthalene	4/26/2016	4/29/2016	3	14	OK
MW-17	Nickel	4/26/2016	5/4/2016	8	180	OK
MW-17	Nitrate/Nitrite (as N)	4/26/2016	5/10/2016	14	28	OK
MW-17	Potassium	4/26/2016	5/5/2016	9	180	OK
MW-17	Selenium	4/26/2016	5/4/2016	8	180	OK
MW-17	Silver	4/26/2016	5/4/2016	8	180	OK
MW-17	Sodium	4/26/2016	5/5/2016	9	180	OK
MW-17	Sulfate	4/26/2016	5/3/2016	7	28	OK
MW-17	Tetrahydrofuran	4/26/2016	4/29/2016	3	14	OK
MW-17	Thallium	4/26/2016	5/4/2016	8	180	OK
MW-17	Tin	4/26/2016	5/4/2016	8	180	OK
MW-17	Toluene	4/26/2016	4/29/2016	3	14	OK
MW-17	Total Dissolved Solids	4/26/2016	4/29/2016	3	7	OK
MW-17	Uranium	4/26/2016	5/4/2016	8	180	OK
MW-17	Vanadium	4/26/2016	5/10/2016	14	180	OK
MW-17	Xylenes, Total	4/26/2016	4/29/2016	3	14	OK
MW-17	Zinc	4/26/2016	5/4/2016	8	180	OK
MW-18	2-Butanone	4/19/2016	4/25/2016	6	14	OK
MW-18	Acetone	4/19/2016	4/25/2016	6	14	OK
MW-18	Ammonia (as N)	4/19/2016	4/26/2016	7	28	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-18	Arsenic	4/19/2016	4/25/2016	6	180	OK
MW-18	Benzene	4/19/2016	4/25/2016	6	14	OK
MW-18	Beryllium	4/19/2016	4/25/2016	6	180	OK
MW-18	Bicarbonate (as CaCO3)	4/19/2016	4/25/2016	6	14	OK
MW-18	Cadmium	4/19/2016	4/25/2016	6	180	OK
MW-18	Calcium	4/19/2016	5/4/2016	15	180	OK
MW-18	Carbon tetrachloride	4/19/2016	4/25/2016	6	14	OK
MW-18	Carbonate (as CaCO3)	4/19/2016	4/25/2016	6	14	OK
MW-18	Chloride	4/19/2016	4/29/2016	10	28	OK
MW-18	Chloroform	4/19/2016	4/25/2016	6	14	OK
MW-18	Chloromethane	4/19/2016	4/25/2016	6	14	OK
MW-18	Chromium	4/19/2016	4/25/2016	6	180	OK
MW-18	Cobalt	4/19/2016	4/25/2016	6	180	OK
MW-18	Copper	4/19/2016	4/26/2016	7	180	OK
MW-18	Fluoride	4/19/2016	4/30/2016	11	28	OK
MW-18	Gross Radium Alpha	4/19/2016	5/16/2016	27	180	OK
MW-18	Iron	4/19/2016	4/25/2016	6	180	OK
MW-18	Lead	4/19/2016	4/25/2016	6	180	OK
MW-18	Magnesium	4/19/2016	5/4/2016	15	180	OK
MW-18	Manganese	4/19/2016	4/25/2016	6	180	OK
MW-18	Mercury	4/19/2016	5/2/2016	13	180	OK
MW-18	Methylene chloride	4/19/2016	4/25/2016	6	14	OK
MW-18	Molybdenum	4/19/2016	4/25/2016	6	180	OK
MW-18	Naphthalene	4/19/2016	4/25/2016	6	14	OK
MW-18	Nickel	4/19/2016	4/25/2016	6	180	OK
MW-18	Nitrate/Nitrite (as N)	4/19/2016	5/6/2016	17	28	OK
MW-18	Potassium	4/19/2016	5/4/2016	15	180	OK
MW-18	Selenium	4/19/2016	4/25/2016	6	180	OK
MW-18	Silver	4/19/2016	4/25/2016	6	180	OK
MW-18	Sodium	4/19/2016	5/4/2016	15	180	OK
MW-18	Sulfate	4/19/2016	4/29/2016	10	28	OK
MW-18	Tetrahydrofuran	4/19/2016	4/25/2016	6	14	OK
MW-18	Thallium	4/19/2016	4/25/2016	6	180	OK
MW-18	Tin	4/19/2016	4/25/2016	6	180	OK
MW-18	Toluene	4/19/2016	4/25/2016	6	14	OK
MW-18	Total Dissolved Solids	4/19/2016	4/22/2016	3	7	OK
MW-18	Uranium	4/19/2016	4/25/2016	6	180	OK
MW-18	Vanadium	4/19/2016	5/4/2016	15	180	OK
MW-18	Xylenes, Total	4/19/2016	4/25/2016	6	14	OK
MW-18	Zinc	4/19/2016	4/25/2016	6	180	OK
MW-19	2-Butanone	4/19/2016	4/25/2016	6	14	OK
MW-19	Acetone	4/19/2016	4/25/2016	6	14	OK
MW-19	Ammonia (as N)	4/19/2016	4/26/2016	7	28	OK
MW-19	Arsenic	4/19/2016	4/25/2016	6	180	OK
MW-19	Benzene	4/19/2016	4/25/2016	6	14	OK
MW-19	Beryllium	4/19/2016	4/25/2016	6	180	OK
MW-19	Bicarbonate (as CaCO3)	4/19/2016	4/25/2016	6	14	OK
MW-19	Cadmium	4/19/2016	4/25/2016	6	180	OK
MW-19	Calcium	4/19/2016	5/4/2016	15	180	OK
MW-19	Carbon tetrachloride	4/19/2016	4/25/2016	6	14	OK
MW-19	Carbonate (as CaCO3)	4/19/2016	4/25/2016	6	14	OK
MW-19	Chloride	4/19/2016	4/29/2016	10	28	OK
MW-19	Chloroform	4/19/2016	4/25/2016	6	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-19	Chloromethane	4/19/2016	4/25/2016	6	14	OK
MW-19	Chromium	4/19/2016	4/25/2016	6	180	OK
MW-19	Cobalt	4/19/2016	4/25/2016	6	180	OK
MW-19	Copper	4/19/2016	4/26/2016	7	180	OK
MW-19	Fluoride	4/19/2016	4/30/2016	11	28	OK
MW-19	Gross Radium Alpha	4/19/2016	5/16/2016	27	180	OK
MW-19	Iron	4/19/2016	4/25/2016	6	180	OK
MW-19	Lead	4/19/2016	4/25/2016	6	180	OK
MW-19	Magnesium	4/19/2016	5/4/2016	15	180	OK
MW-19	Manganese	4/19/2016	4/25/2016	6	180	OK
MW-19	Mercury	4/19/2016	5/2/2016	13	180	OK
MW-19	Methylene chloride	4/19/2016	4/25/2016	6	14	OK
MW-19	Molybdenum	4/19/2016	4/25/2016	6	180	OK
MW-19	Naphthalene	4/19/2016	4/25/2016	6	14	OK
MW-19	Nickel	4/19/2016	4/25/2016	6	180	OK
MW-19	Nitrate/Nitrite (as N)	4/19/2016	5/6/2016	17	28	OK
MW-19	Potassium	4/19/2016	5/4/2016	15	180	OK
MW-19	Selenium	4/19/2016	4/25/2016	6	180	OK
MW-19	Silver	4/19/2016	4/25/2016	6	180	OK
MW-19	Sodium	4/19/2016	5/4/2016	15	180	OK
MW-19	Sulfate	4/19/2016	4/29/2016	10	28	OK
MW-19	Tetrahydrofuran	4/19/2016	4/25/2016	6	14	OK
MW-19	Thallium	4/19/2016	4/25/2016	6	180	OK
MW-19	Tin	4/19/2016	4/25/2016	6	180	OK
MW-19	Toluene	4/19/2016	4/25/2016	6	14	OK
MW-19	Total Dissolved Solids	4/19/2016	4/22/2016	3	7	OK
MW-19	Uranium	4/19/2016	4/25/2016	6	180	OK
MW-19	Vanadium	4/19/2016	5/4/2016	15	180	OK
MW-19	Xylenes, Total	4/19/2016	4/25/2016	6	14	OK
MW-19	Zinc	4/19/2016	4/25/2016	6	180	OK
MW-20	2-Butanone	5/18/2016	5/20/2016	2	14	OK
MW-20	Acetone	5/18/2016	5/20/2016	2	14	OK
MW-20	Ammonia (as N)	5/18/2016	5/23/2016	5	28	OK
MW-20	Arsenic	5/18/2016	5/25/2016	7	180	OK
MW-20	Benzene	5/18/2016	5/20/2016	2	14	OK
MW-20	Beryllium	5/18/2016	5/25/2016	7	180	OK
MW-20	Bicarbonate (as CaCO3)	5/18/2016	5/23/2016	5	14	OK
MW-20	Cadmium	5/18/2016	5/25/2016	7	180	OK
MW-20	Calcium	5/18/2016	5/27/2016	9	180	OK
MW-20	Carbon tetrachloride	5/18/2016	5/20/2016	2	14	OK
MW-20	Carbonate (as CaCO3)	5/18/2016	5/23/2016	5	14	OK
MW-20	Chloride	5/18/2016	5/31/2016	13	28	OK
MW-20	Chloroform	5/18/2016	5/20/2016	2	14	OK
MW-20	Chloromethane	5/18/2016	5/20/2016	2	14	OK
MW-20	Chromium	5/18/2016	5/25/2016	7	180	OK
MW-20	Cobalt	5/18/2016	5/25/2016	7	180	OK
MW-20	Copper	5/18/2016	5/25/2016	7	180	OK
MW-20	Fluoride	5/18/2016	5/31/2016	13	28	OK
MW-20	Gross Radium Alpha	5/18/2016	6/15/2016	28	180	OK
MW-20	Iron	5/18/2016	5/25/2016	7	180	OK
MW-20	Lead	5/18/2016	5/25/2016	7	180	OK
MW-20	Magnesium	5/18/2016	5/27/2016	9	180	OK
MW-20	Manganese	5/18/2016	5/25/2016	7	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-20	Mercury	5/18/2016	5/31/2016	13	180	OK
MW-20	Methylene chloride	5/18/2016	5/20/2016	2	14	OK
MW-20	Molybdenum	5/18/2016	5/25/2016	7	180	OK
MW-20	Naphthalene	5/18/2016	5/20/2016	2	14	OK
MW-20	Nickel	5/18/2016	5/25/2016	7	180	OK
MW-20	Nitrate/Nitrite (as N)	5/18/2016	5/31/2016	13	28	OK
MW-20	Potassium	5/18/2016	5/27/2016	9	180	OK
MW-20	Selenium	5/18/2016	5/25/2016	7	180	OK
MW-20	Silver	5/18/2016	5/25/2016	7	180	OK
MW-20	Sodium	5/18/2016	5/27/2016	9	180	OK
MW-20	Sulfate	5/18/2016	5/31/2016	13	28	OK
MW-20	Tetrahydrofuran	5/18/2016	5/20/2016	2	14	OK
MW-20	Thallium	5/18/2016	5/25/2016	7	180	OK
MW-20	Tin	5/18/2016	5/25/2016	7	180	OK
MW-20	Toluene	5/18/2016	5/20/2016	2	14	OK
MW-20	Total Dissolved Solids	5/18/2016	5/20/2016	2	7	OK
MW-20	Uranium	5/18/2016	5/24/2016	6	180	OK
MW-20	Vanadium	5/18/2016	5/27/2016	9	180	OK
MW-20	Xylenes, Total	5/18/2016	5/20/2016	2	14	OK
MW-20	Zinc	5/18/2016	5/25/2016	7	180	OK
MW-22	2-Butanone	4/26/2016	4/29/2016	3	14	OK
MW-22	Acetone	4/26/2016	4/29/2016	3	14	OK
MW-22	Ammonia (as N)	4/26/2016	5/2/2016	6	28	OK
MW-22	Arsenic	4/26/2016	5/4/2016	8	180	OK
MW-22	Benzene	4/26/2016	4/29/2016	3	14	OK
MW-22	Beryllium	4/26/2016	5/4/2016	8	180	OK
MW-22	Bicarbonate (as CaCO3)	4/26/2016	4/29/2016	3	14	OK
MW-22	Cadmium	4/26/2016	5/4/2016	8	180	OK
MW-22	Calcium	4/26/2016	5/5/2016	9	180	OK
MW-22	Carbon tetrachloride	4/26/2016	4/29/2016	3	14	OK
MW-22	Carbonate (as CaCO3)	4/26/2016	4/29/2016	3	14	OK
MW-22	Chloride	4/26/2016	5/3/2016	7	28	OK
MW-22	Chloroform	4/26/2016	4/29/2016	3	14	OK
MW-22	Chloromethane	4/26/2016	4/29/2016	3	14	OK
MW-22	Chromium	4/26/2016	5/4/2016	8	180	OK
MW-22	Cobalt	4/26/2016	5/4/2016	8	180	OK
MW-22	Copper	4/26/2016	5/4/2016	8	180	OK
MW-22	Fluoride	4/26/2016	5/3/2016	7	28	OK
MW-22	Gross Radium Alpha	4/26/2016	5/25/2016	29	180	OK
MW-22	Iron	4/26/2016	5/4/2016	8	180	OK
MW-22	Lead	4/26/2016	5/4/2016	8	180	OK
MW-22	Magnesium	4/26/2016	5/5/2016	9	180	OK
MW-22	Manganese	4/26/2016	5/4/2016	8	180	OK
MW-22	Mercury	4/26/2016	5/9/2016	13	180	OK
MW-22	Methylene chloride	4/26/2016	4/29/2016	3	14	OK
MW-22	Molybdenum	4/26/2016	5/4/2016	8	180	OK
MW-22	Naphthalene	4/26/2016	4/29/2016	3	14	OK
MW-22	Nickel	4/26/2016	5/4/2016	8	180	OK
MW-22	Nitrate/Nitrite (as N)	4/26/2016	5/10/2016	14	28	OK
MW-22	Potassium	4/26/2016	5/5/2016	9	180	OK
MW-22	Selenium	4/26/2016	5/4/2016	8	180	OK
MW-22	Silver	4/26/2016	5/4/2016	8	180	OK
MW-22	Sodium	4/26/2016	5/5/2016	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-22	Sulfate	4/26/2016	5/3/2016	7	28	OK
MW-22	Tetrahydrofuran	4/26/2016	4/29/2016	3	14	OK
MW-22	Thallium	4/26/2016	5/4/2016	8	180	OK
MW-22	Tin	4/26/2016	5/4/2016	8	180	OK
MW-22	Toluene	4/26/2016	4/29/2016	3	14	OK
MW-22	Total Dissolved Solids	4/26/2016	5/2/2016	6	7	OK
MW-22	Uranium	4/26/2016	5/4/2016	8	180	OK
MW-22	Vanadium	4/26/2016	5/10/2016	14	180	OK
MW-22	Xylenes, Total	4/26/2016	4/29/2016	3	14	OK
MW-22	Zinc	4/26/2016	5/4/2016	8	180	OK
MW-23	2-Butanone	5/18/2016	5/20/2016	2	14	OK
MW-23	Acetone	5/18/2016	5/20/2016	2	14	OK
MW-23	Ammonia (as N)	5/18/2016	5/23/2016	5	28	OK
MW-23	Arsenic	5/18/2016	5/25/2016	7	180	OK
MW-23	Benzene	5/18/2016	5/20/2016	2	14	OK
MW-23	Beryllium	5/18/2016	5/25/2016	7	180	OK
MW-23	Bicarbonate (as CaCO3)	5/18/2016	5/23/2016	5	14	OK
MW-23	Cadmium	5/18/2016	5/25/2016	7	180	OK
MW-23	Calcium	5/18/2016	5/27/2016	9	180	OK
MW-23	Carbon tetrachloride	5/18/2016	5/20/2016	2	14	OK
MW-23	Carbonate (as CaCO3)	5/18/2016	5/23/2016	5	14	OK
MW-23	Chloride	5/18/2016	5/31/2016	13	28	OK
MW-23	Chloroform	5/18/2016	5/20/2016	2	14	OK
MW-23	Chloromethane	5/18/2016	5/20/2016	2	14	OK
MW-23	Chromium	5/18/2016	5/25/2016	7	180	OK
MW-23	Cobalt	5/18/2016	5/25/2016	7	180	OK
MW-23	Copper	5/18/2016	5/25/2016	7	180	OK
MW-23	Fluoride	5/18/2016	5/31/2016	13	28	OK
MW-23	Gross Radium Alpha	5/18/2016	6/15/2016	28	180	OK
MW-23	Iron	5/18/2016	5/25/2016	7	180	OK
MW-23	Lead	5/18/2016	5/25/2016	7	180	OK
MW-23	Magnesium	5/18/2016	5/27/2016	9	180	OK
MW-23	Manganese	5/18/2016	5/25/2016	7	180	OK
MW-23	Mercury	5/18/2016	5/31/2016	13	180	OK
MW-23	Methylene chloride	5/18/2016	5/20/2016	2	14	OK
MW-23	Molybdenum	5/18/2016	5/25/2016	7	180	OK
MW-23	Naphthalene	5/18/2016	5/20/2016	2	14	OK
MW-23	Nickel	5/18/2016	5/25/2016	7	180	OK
MW-23	Nitrate/Nitrite (as N)	5/18/2016	5/31/2016	13	28	OK
MW-23	Potassium	5/18/2016	5/27/2016	9	180	OK
MW-23	Selenium	5/18/2016	5/25/2016	7	180	OK
MW-23	Silver	5/18/2016	5/25/2016	7	180	OK
MW-23	Sodium	5/18/2016	5/27/2016	9	180	OK
MW-23	Sulfate	5/18/2016	5/31/2016	13	28	OK
MW-23	Tetrahydrofuran	5/18/2016	5/20/2016	2	14	OK
MW-23	Thallium	5/18/2016	5/25/2016	7	180	OK
MW-23	Tin	5/18/2016	5/25/2016	7	180	OK
MW-23	Toluene	5/18/2016	5/20/2016	2	14	OK
MW-23	Total Dissolved Solids	5/18/2016	5/20/2016	2	7	OK
MW-23	Uranium	5/18/2016	5/24/2016	6	180	OK
MW-23	Vanadium	5/18/2016	5/27/2016	9	180	OK
MW-23	Xylenes, Total	5/18/2016	5/20/2016	2	14	OK
MW-23	Zinc	5/18/2016	5/25/2016	7	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-24	2-Butanone	4/28/2016	4/29/2016	1	14	OK
MW-24	Acetone	4/28/2016	4/29/2016	1	14	OK
MW-24	Ammonia (as N)	4/28/2016	5/9/2016	11	28	OK
MW-24	Arsenic	4/28/2016	5/4/2016	6	180	OK
MW-24	Benzene	4/28/2016	4/29/2016	1	14	OK
MW-24	Beryllium	4/28/2016	5/4/2016	6	180	OK
MW-24	Bicarbonate (as CaCO3)	4/28/2016	4/29/2016	1	14	OK
MW-24	Cadmium	4/28/2016	5/4/2016	6	180	OK
MW-24	Calcium	4/28/2016	5/5/2016	7	180	OK
MW-24	Carbon tetrachloride	4/28/2016	4/29/2016	1	14	OK
MW-24	Carbonate (as CaCO3)	4/28/2016	4/29/2016	1	14	OK
MW-24	Chloride	4/28/2016	5/3/2016	5	28	OK
MW-24	Chloroform	4/28/2016	4/29/2016	1	14	OK
MW-24	Chloromethane	4/28/2016	4/29/2016	1	14	OK
MW-24	Chromium	4/28/2016	5/4/2016	6	180	OK
MW-24	Cobalt	4/28/2016	5/4/2016	6	180	OK
MW-24	Copper	4/28/2016	5/4/2016	6	180	OK
MW-24	Fluoride	4/28/2016	5/4/2016	6	28	OK
MW-24	Gross Radium Alpha	4/28/2016	5/25/2016	27	180	OK
MW-24	Iron	4/28/2016	5/4/2016	6	180	OK
MW-24	Lead	4/28/2016	5/4/2016	6	180	OK
MW-24	Magnesium	4/28/2016	5/5/2016	7	180	OK
MW-24	Manganese	4/28/2016	5/4/2016	6	180	OK
MW-24	Mercury	4/28/2016	5/9/2016	11	180	OK
MW-24	Methylene chloride	4/28/2016	4/29/2016	1	14	OK
MW-24	Molybdenum	4/28/2016	5/4/2016	6	180	OK
MW-24	Naphthalene	4/28/2016	4/29/2016	1	14	OK
MW-24	Nickel	4/28/2016	5/4/2016	6	180	OK
MW-24	Nitrate/Nitrite (as N)	4/28/2016	5/10/2016	12	28	OK
MW-24	Potassium	4/28/2016	5/5/2016	7	180	OK
MW-24	Selenium	4/28/2016	5/4/2016	6	180	OK
MW-24	Silver	4/28/2016	5/4/2016	6	180	OK
MW-24	Sodium	4/28/2016	5/5/2016	7	180	OK
MW-24	Sulfate	4/28/2016	5/3/2016	5	28	OK
MW-24	Tetrahydrofuran	4/28/2016	4/29/2016	1	14	OK
MW-24	Thallium	4/28/2016	5/4/2016	6	180	OK
MW-24	Tin	4/28/2016	5/4/2016	6	180	OK
MW-24	Toluene	4/28/2016	4/29/2016	1	14	OK
MW-24	Total Dissolved Solids	4/28/2016	4/29/2016	1	7	OK
MW-24	Uranium	4/28/2016	5/4/2016	6	180	OK
MW-24	Vanadium	4/28/2016	5/10/2016	12	180	OK
MW-24	Xylenes, Total	4/28/2016	4/29/2016	1	14	OK
MW-24	Zinc	4/28/2016	5/4/2016	6	180	OK
MW-25	2-Butanone	5/3/2016	5/6/2016	3	14	OK
MW-25	Acetone	5/3/2016	5/6/2016	3	14	OK
MW-25	Ammonia (as N)	5/3/2016	5/9/2016	6	28	OK
MW-25	Arsenic	5/3/2016	5/12/2016	9	180	OK
MW-25	Benzene	5/3/2016	5/6/2016	3	14	OK
MW-25	Beryllium	5/3/2016	5/12/2016	9	180	OK
MW-25	Bicarbonate (as CaCO3)	5/3/2016	5/10/2016	7	14	OK
MW-25	Cadmium	5/3/2016	5/12/2016	9	180	OK
MW-25	Calcium	5/3/2016	5/17/2016	14	180	OK
MW-25	Carbon tetrachloride	5/3/2016	5/6/2016	3	14	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	Carbonate (as CaCO3)	5/3/2016	5/10/2016	7	14	OK
MW-25	Chloride	5/3/2016	5/13/2016	10	28	OK
MW-25	Chloroform	5/3/2016	5/6/2016	3	14	OK
MW-25	Chloromethane	5/3/2016	5/6/2016	3	14	OK
MW-25	Chromium	5/3/2016	5/12/2016	9	180	OK
MW-25	Cobalt	5/3/2016	5/12/2016	9	180	OK
MW-25	Copper	5/3/2016	5/12/2016	9	180	OK
MW-25	Fluoride	5/3/2016	5/13/2016	10	28	OK
MW-25	Gross Radium Alpha	5/3/2016	5/25/2016	22	180	OK
MW-25	Iron	5/3/2016	5/12/2016	9	180	OK
MW-25	Lead	5/3/2016	5/12/2016	9	180	OK
MW-25	Magnesium	5/3/2016	5/17/2016	14	180	OK
MW-25	Manganese	5/3/2016	5/12/2016	9	180	OK
MW-25	Mercury	5/3/2016	5/12/2016	9	180	OK
MW-25	Methylene chloride	5/3/2016	5/6/2016	3	14	OK
MW-25	Molybdenum	5/3/2016	5/12/2016	9	180	OK
MW-25	Naphthalene	5/3/2016	5/6/2016	3	14	OK
MW-25	Nickel	5/3/2016	5/12/2016	9	180	OK
MW-25	Nitrate/Nitrite (as N)	5/3/2016	5/18/2016	15	28	OK
MW-25	Potassium	5/3/2016	5/17/2016	14	180	OK
MW-25	Selenium	5/3/2016	5/12/2016	9	180	OK
MW-25	Silver	5/3/2016	5/12/2016	9	180	OK
MW-25	Sodium	5/3/2016	5/17/2016	14	180	OK
MW-25	Sulfate	5/3/2016	5/12/2016	9	28	OK
MW-25	Tetrahydrofuran	5/3/2016	5/6/2016	3	14	OK
MW-25	Thallium	5/3/2016	5/12/2016	9	180	OK
MW-25	Tin	5/3/2016	5/12/2016	9	180	OK
MW-25	Toluene	5/3/2016	5/6/2016	3	14	OK
MW-25	Total Dissolved Solids	5/3/2016	5/6/2016	3	7	OK
MW-25	Uranium	5/3/2016	5/12/2016	9	180	OK
MW-25	Vanadium	5/3/2016	5/17/2016	14	180	OK
MW-25	Xylenes, Total	5/3/2016	5/6/2016	3	14	OK
MW-25	Zinc	5/3/2016	5/12/2016	9	180	OK
MW-26	2-Butanone	5/4/2016	5/6/2016	2	14	OK
MW-26	Acetone	5/4/2016	5/6/2016	2	14	OK
MW-26	Ammonia (as N)	5/4/2016	5/9/2016	5	28	OK
MW-26	Arsenic	5/4/2016	5/12/2016	8	180	OK
MW-26	Benzene	5/4/2016	5/6/2016	2	14	OK
MW-26	Beryllium	5/4/2016	5/12/2016	8	180	OK
MW-26	Bicarbonate (as CaCO3)	5/4/2016	5/10/2016	6	14	OK
MW-26	Cadmium	5/4/2016	5/12/2016	8	180	OK
MW-26	Calcium	5/4/2016	5/17/2016	13	180	OK
MW-26	Carbon tetrachloride	5/4/2016	5/6/2016	2	14	OK
MW-26	Carbonate (as CaCO3)	5/4/2016	5/10/2016	6	14	OK
MW-26	Chloride	5/4/2016	5/13/2016	9	28	OK
MW-26	Chloroform	5/4/2016	5/9/2016	5	14	OK
MW-26	Chloromethane	5/4/2016	5/6/2016	2	14	OK
MW-26	Chromium	5/4/2016	5/12/2016	8	180	OK
MW-26	Cobalt	5/4/2016	5/12/2016	8	180	OK
MW-26	Copper	5/4/2016	5/12/2016	8	180	OK
MW-26	Fluoride	5/4/2016	5/13/2016	9	28	OK
MW-26	Gross Radium Alpha	5/4/2016	5/25/2016	21	180	OK
MW-26	Iron	5/4/2016	5/12/2016	8	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	Lead	5/4/2016	5/12/2016	8	180	OK
MW-26	Magnesium	5/4/2016	5/17/2016	13	180	OK
MW-26	Manganese	5/4/2016	5/12/2016	8	180	OK
MW-26	Mercury	5/4/2016	5/12/2016	8	180	OK
MW-26	Methylene chloride	5/4/2016	5/6/2016	2	14	OK
MW-26	Molybdenum	5/4/2016	5/12/2016	8	180	OK
MW-26	Naphthalene	5/4/2016	5/6/2016	2	14	OK
MW-26	Nickel	5/4/2016	5/12/2016	8	180	OK
MW-26	Nitrate/Nitrite (as N)	5/4/2016	5/18/2016	14	28	OK
MW-26	Potassium	5/4/2016	5/17/2016	13	180	OK
MW-26	Selenium	5/4/2016	5/12/2016	8	180	OK
MW-26	Silver	5/4/2016	5/12/2016	8	180	OK
MW-26	Sodium	5/4/2016	5/17/2016	13	180	OK
MW-26	Sulfate	5/4/2016	5/12/2016	8	28	OK
MW-26	Tetrahydrofuran	5/4/2016	5/6/2016	2	14	OK
MW-26	Thallium	5/4/2016	5/12/2016	8	180	OK
MW-26	Tin	5/4/2016	5/12/2016	8	180	OK
MW-26	Toluene	5/4/2016	5/6/2016	2	14	OK
MW-26	Total Dissolved Solids	5/4/2016	5/6/2016	2	7	OK
MW-26	Uranium	5/4/2016	5/12/2016	8	180	OK
MW-26	Vanadium	5/4/2016	5/17/2016	13	180	OK
MW-26	Xylenes, Total	5/4/2016	5/6/2016	2	14	OK
MW-26	Zinc	5/4/2016	5/12/2016	8	180	OK
MW-27	2-Butanone	4/20/2016	4/25/2016	5	14	OK
MW-27	Acetone	4/20/2016	4/25/2016	5	14	OK
MW-27	Ammonia (as N)	4/20/2016	4/26/2016	6	28	OK
MW-27	Arsenic	4/20/2016	4/25/2016	5	180	OK
MW-27	Benzene	4/20/2016	4/25/2016	5	14	OK
MW-27	Beryllium	4/20/2016	4/25/2016	5	180	OK
MW-27	Bicarbonate (as CaCO3)	4/20/2016	4/25/2016	5	14	OK
MW-27	Cadmium	4/20/2016	4/25/2016	5	180	OK
MW-27	Calcium	4/20/2016	5/4/2016	14	180	OK
MW-27	Carbon tetrachloride	4/20/2016	4/25/2016	5	14	OK
MW-27	Carbonate (as CaCO3)	4/20/2016	4/25/2016	5	14	OK
MW-27	Chloride	4/20/2016	4/29/2016	9	28	OK
MW-27	Chloroform	4/20/2016	4/25/2016	5	14	OK
MW-27	Chloromethane	4/20/2016	4/25/2016	5	14	OK
MW-27	Chromium	4/20/2016	4/25/2016	5	180	OK
MW-27	Cobalt	4/20/2016	4/25/2016	5	180	OK
MW-27	Copper	4/20/2016	4/26/2016	6	180	OK
MW-27	Fluoride	4/20/2016	4/30/2016	10	28	OK
MW-27	Gross Radium Alpha	4/20/2016	5/16/2016	26	180	OK
MW-27	Iron	4/20/2016	4/25/2016	5	180	OK
MW-27	Lead	4/20/2016	4/25/2016	5	180	OK
MW-27	Magnesium	4/20/2016	5/4/2016	14	180	OK
MW-27	Manganese	4/20/2016	4/25/2016	5	180	OK
MW-27	Mercury	4/20/2016	5/2/2016	12	180	OK
MW-27	Methylene chloride	4/20/2016	4/25/2016	5	14	OK
MW-27	Molybdenum	4/20/2016	4/25/2016	5	180	OK
MW-27	Naphthalene	4/20/2016	4/25/2016	5	14	OK
MW-27	Nickel	4/20/2016	4/25/2016	5	180	OK
MW-27	Nitrate/Nitrite (as N)	4/20/2016	5/6/2016	16	28	OK
MW-27	Potassium	4/20/2016	5/4/2016	14	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-27	Selenium	4/20/2016	4/25/2016	5	180	OK
MW-27	Silver	4/20/2016	4/25/2016	5	180	OK
MW-27	Sodium	4/20/2016	5/4/2016	14	180	OK
MW-27	Sulfate	4/20/2016	4/29/2016	9	28	OK
MW-27	Tetrahydrofuran	4/20/2016	4/25/2016	5	14	OK
MW-27	Thallium	4/20/2016	4/25/2016	5	180	OK
MW-27	Tin	4/20/2016	4/25/2016	5	180	OK
MW-27	Toluene	4/20/2016	4/25/2016	5	14	OK
MW-27	Total Dissolved Solids	4/20/2016	4/22/2016	2	7	OK
MW-27	Uranium	4/20/2016	4/25/2016	5	180	OK
MW-27	Vanadium	4/20/2016	5/4/2016	14	180	OK
MW-27	Xylenes, Total	4/20/2016	4/25/2016	5	14	OK
MW-27	Zinc	4/20/2016	4/25/2016	5	180	OK
MW-28	2-Butanone	4/20/2016	4/25/2016	5	14	OK
MW-28	Acetone	4/20/2016	4/25/2016	5	14	OK
MW-28	Ammonia (as N)	4/20/2016	4/26/2016	6	28	OK
MW-28	Arsenic	4/20/2016	4/25/2016	5	180	OK
MW-28	Benzene	4/20/2016	4/25/2016	5	14	OK
MW-28	Beryllium	4/20/2016	4/25/2016	5	180	OK
MW-28	Bicarbonate (as CaCO3)	4/20/2016	4/25/2016	5	14	OK
MW-28	Cadmium	4/20/2016	4/25/2016	5	180	OK
MW-28	Calcium	4/20/2016	5/4/2016	14	180	OK
MW-28	Carbon tetrachloride	4/20/2016	4/25/2016	5	14	OK
MW-28	Carbonate (as CaCO3)	4/20/2016	4/25/2016	5	14	OK
MW-28	Chloride	4/20/2016	4/29/2016	9	28	OK
MW-28	Chloroform	4/20/2016	4/25/2016	5	14	OK
MW-28	Chloromethane	4/20/2016	4/25/2016	5	14	OK
MW-28	Chromium	4/20/2016	4/25/2016	5	180	OK
MW-28	Cobalt	4/20/2016	4/25/2016	5	180	OK
MW-28	Copper	4/20/2016	4/26/2016	6	180	OK
MW-28	Fluoride	4/20/2016	4/30/2016	10	28	OK
MW-28	Gross Radium Alpha	4/20/2016	5/16/2016	26	180	OK
MW-28	Iron	4/20/2016	4/25/2016	5	180	OK
MW-28	Lead	4/20/2016	4/25/2016	5	180	OK
MW-28	Magnesium	4/20/2016	5/4/2016	14	180	OK
MW-28	Manganese	4/20/2016	4/25/2016	5	180	OK
MW-28	Mercury	4/20/2016	5/2/2016	12	180	OK
MW-28	Methylene chloride	4/20/2016	4/25/2016	5	14	OK
MW-28	Molybdenum	4/20/2016	4/25/2016	5	180	OK
MW-28	Naphthalene	4/20/2016	4/25/2016	5	14	OK
MW-28	Nickel	4/20/2016	4/25/2016	5	180	OK
MW-28	Nitrate/Nitrite (as N)	4/20/2016	5/6/2016	16	28	OK
MW-28	Potassium	4/20/2016	5/4/2016	14	180	OK
MW-28	Selenium	4/20/2016	4/25/2016	5	180	OK
MW-28	Silver	4/20/2016	4/25/2016	5	180	OK
MW-28	Sodium	4/20/2016	5/4/2016	14	180	OK
MW-28	Sulfate	4/20/2016	4/29/2016	9	28	OK
MW-28	Tetrahydrofuran	4/20/2016	4/25/2016	5	14	OK
MW-28	Thallium	4/20/2016	4/25/2016	5	180	OK
MW-28	Tin	4/20/2016	4/25/2016	5	180	OK
MW-28	Toluene	4/20/2016	4/25/2016	5	14	OK
MW-28	Total Dissolved Solids	4/20/2016	4/22/2016	2	7	OK
MW-28	Uranium	4/20/2016	4/25/2016	5	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-28	Vanadium	4/20/2016	5/4/2016	14	180	OK
MW-28	Xylenes, Total	4/20/2016	4/25/2016	5	14	OK
MW-28	Zinc	4/20/2016	4/25/2016	5	180	OK
MW-29	2-Butanone	4/27/2016	4/29/2016	2	14	OK
MW-29	Acetone	4/27/2016	4/29/2016	2	14	OK
MW-29	Ammonia (as N)	4/27/2016	5/9/2016	12	28	OK
MW-29	Arsenic	4/27/2016	5/4/2016	7	180	OK
MW-29	Benzene	4/27/2016	4/29/2016	2	14	OK
MW-29	Beryllium	4/27/2016	5/4/2016	7	180	OK
MW-29	Bicarbonate (as CaCO3)	4/27/2016	4/29/2016	2	14	OK
MW-29	Cadmium	4/27/2016	5/4/2016	7	180	OK
MW-29	Calcium	4/27/2016	5/5/2016	8	180	OK
MW-29	Carbon tetrachloride	4/27/2016	4/29/2016	2	14	OK
MW-29	Carbonate (as CaCO3)	4/27/2016	4/29/2016	2	14	OK
MW-29	Chloride	4/27/2016	5/3/2016	6	28	OK
MW-29	Chloroform	4/27/2016	4/29/2016	2	14	OK
MW-29	Chloromethane	4/27/2016	4/29/2016	2	14	OK
MW-29	Chromium	4/27/2016	5/4/2016	7	180	OK
MW-29	Cobalt	4/27/2016	5/4/2016	7	180	OK
MW-29	Copper	4/27/2016	5/4/2016	7	180	OK
MW-29	Fluoride	4/27/2016	5/4/2016	7	28	OK
MW-29	Gross Radium Alpha	4/27/2016	5/25/2016	28	180	OK
MW-29	Iron	4/27/2016	5/4/2016	7	180	OK
MW-29	Lead	4/27/2016	5/4/2016	7	180	OK
MW-29	Magnesium	4/27/2016	5/5/2016	8	180	OK
MW-29	Manganese	4/27/2016	5/4/2016	7	180	OK
MW-29	Mercury	4/27/2016	5/9/2016	12	180	OK
MW-29	Methylene chloride	4/27/2016	4/29/2016	2	14	OK
MW-29	Molybdenum	4/27/2016	5/4/2016	7	180	OK
MW-29	Naphthalene	4/27/2016	4/29/2016	2	14	OK
MW-29	Nickel	4/27/2016	5/4/2016	7	180	OK
MW-29	Nitrate/Nitrite (as N)	4/27/2016	5/10/2016	13	28	OK
MW-29	Potassium	4/27/2016	5/5/2016	8	180	OK
MW-29	Selenium	4/27/2016	5/4/2016	7	180	OK
MW-29	Silver	4/27/2016	5/4/2016	7	180	OK
MW-29	Sodium	4/27/2016	5/5/2016	8	180	OK
MW-29	Sulfate	4/27/2016	5/3/2016	6	28	OK
MW-29	Tetrahydrofuran	4/27/2016	4/29/2016	2	14	OK
MW-29	Thallium	4/27/2016	5/4/2016	7	180	OK
MW-29	Tin	4/27/2016	5/4/2016	7	180	OK
MW-29	Toluene	4/27/2016	4/29/2016	2	14	OK
MW-29	Total Dissolved Solids	4/27/2016	4/29/2016	2	7	OK
MW-29	Uranium	4/27/2016	5/4/2016	7	180	OK
MW-29	Vanadium	4/27/2016	5/10/2016	13	180	OK
MW-29	Xylenes, Total	4/27/2016	4/29/2016	2	14	OK
MW-29	Zinc	4/27/2016	5/4/2016	7	180	OK
MW-30	2-Butanone	5/4/2016	5/9/2016	5	14	OK
MW-30	Acetone	5/4/2016	5/9/2016	5	14	OK
MW-30	Ammonia (as N)	5/4/2016	5/9/2016	5	28	OK
MW-30	Arsenic	5/4/2016	5/12/2016	8	180	OK
MW-30	Benzene	5/4/2016	5/9/2016	5	14	OK
MW-30	Beryllium	5/4/2016	5/12/2016	8	180	OK
MW-30	Bicarbonate (as CaCO3)	5/4/2016	5/10/2016	6	14	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	Cadmium	5/4/2016	5/12/2016	8	180	OK
MW-30	Calcium	5/4/2016	5/17/2016	13	180	OK
MW-30	Carbon tetrachloride	5/4/2016	5/9/2016	5	14	OK
MW-30	Carbonate (as CaCO3)	5/4/2016	5/10/2016	6	14	OK
MW-30	Chloride	5/4/2016	5/12/2016	8	28	OK
MW-30	Chloroform	5/4/2016	5/9/2016	5	14	OK
MW-30	Chloromethane	5/4/2016	5/9/2016	5	14	OK
MW-30	Chromium	5/4/2016	5/12/2016	8	180	OK
MW-30	Cobalt	5/4/2016	5/12/2016	8	180	OK
MW-30	Copper	5/4/2016	5/12/2016	8	180	OK
MW-30	Fluoride	5/4/2016	5/13/2016	9	28	OK
MW-30	Gross Radium Alpha	5/4/2016	5/25/2016	21	180	OK
MW-30	Iron	5/4/2016	5/12/2016	8	180	OK
MW-30	Lead	5/4/2016	5/12/2016	8	180	OK
MW-30	Magnesium	5/4/2016	5/17/2016	13	180	OK
MW-30	Manganese	5/4/2016	5/12/2016	8	180	OK
MW-30	Mercury	5/4/2016	5/12/2016	8	180	OK
MW-30	Methylene chloride	5/4/2016	5/9/2016	5	14	OK
MW-30	Molybdenum	5/4/2016	5/12/2016	8	180	OK
MW-30	Naphthalene	5/4/2016	5/9/2016	5	14	OK
MW-30	Nickel	5/4/2016	5/12/2016	8	180	OK
MW-30	Nitrate/Nitrite (as N)	5/4/2016	5/18/2016	14	28	OK
MW-30	Potassium	5/4/2016	5/17/2016	13	180	OK
MW-30	Selenium	5/4/2016	5/12/2016	8	180	OK
MW-30	Silver	5/4/2016	5/12/2016	8	180	OK
MW-30	Sodium	5/4/2016	5/17/2016	13	180	OK
MW-30	Sulfate	5/4/2016	5/12/2016	8	28	OK
MW-30	Tetrahydrofuran	5/4/2016	5/9/2016	5	14	OK
MW-30	Thallium	5/4/2016	5/12/2016	8	180	OK
MW-30	Tin	5/4/2016	5/12/2016	8	180	OK
MW-30	Toluene	5/4/2016	5/9/2016	5	14	OK
MW-30	Total Dissolved Solids	5/4/2016	5/6/2016	2	7	OK
MW-30	Uranium	5/4/2016	5/12/2016	8	180	OK
MW-30	Vanadium	5/4/2016	5/17/2016	13	180	OK
MW-30	Xylenes, Total	5/4/2016	5/9/2016	5	14	OK
MW-30	Zinc	5/4/2016	5/12/2016	8	180	OK
MW-31	2-Butanone	5/3/2016	5/6/2016	3	14	OK
MW-31	Acetone	5/3/2016	5/6/2016	3	14	OK
MW-31	Ammonia (as N)	5/3/2016	5/9/2016	6	28	OK
MW-31	Arsenic	5/3/2016	5/12/2016	9	180	OK
MW-31	Benzene	5/3/2016	5/6/2016	3	14	OK
MW-31	Beryllium	5/3/2016	5/12/2016	9	180	OK
MW-31	Bicarbonate (as CaCO3)	5/3/2016	5/10/2016	7	14	OK
MW-31	Cadmium	5/3/2016	5/12/2016	9	180	OK
MW-31	Calcium	5/3/2016	5/17/2016	14	180	OK
MW-31	Carbon tetrachloride	5/3/2016	5/6/2016	3	14	OK
MW-31	Carbonate (as CaCO3)	5/3/2016	5/10/2016	7	14	OK
MW-31	Chloride	5/3/2016	5/12/2016	9	28	OK
MW-31	Chloroform	5/3/2016	5/6/2016	3	14	OK
MW-31	Chloromethane	5/3/2016	5/6/2016	3	14	OK
MW-31	Chromium	5/3/2016	5/12/2016	9	180	OK
MW-31	Cobalt	5/3/2016	5/12/2016	9	180	OK
MW-31	Copper	5/3/2016	5/12/2016	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-31	Fluoride	5/3/2016	5/13/2016	10	28	OK
MW-31	Gross Radium Alpha	5/3/2016	5/25/2016	22	180	OK
MW-31	Iron	5/3/2016	5/12/2016	9	180	OK
MW-31	Lead	5/3/2016	5/12/2016	9	180	OK
MW-31	Magnesium	5/3/2016	5/17/2016	14	180	OK
MW-31	Manganese	5/3/2016	5/12/2016	9	180	OK
MW-31	Mercury	5/3/2016	5/12/2016	9	180	OK
MW-31	Methylene chloride	5/3/2016	5/6/2016	3	14	OK
MW-31	Molybdenum	5/3/2016	5/12/2016	9	180	OK
MW-31	Naphthalene	5/3/2016	5/6/2016	3	14	OK
MW-31	Nickel	5/3/2016	5/12/2016	9	180	OK
MW-31	Nitrate/Nitrite (as N)	5/3/2016	5/18/2016	15	28	OK
MW-31	Potassium	5/3/2016	5/17/2016	14	180	OK
MW-31	Selenium	5/3/2016	5/12/2016	9	180	OK
MW-31	Silver	5/3/2016	5/12/2016	9	180	OK
MW-31	Sodium	5/3/2016	5/17/2016	14	180	OK
MW-31	Sulfate	5/3/2016	5/12/2016	9	28	OK
MW-31	Tetrahydrofuran	5/3/2016	5/6/2016	3	14	OK
MW-31	Thallium	5/3/2016	5/12/2016	9	180	OK
MW-31	Tin	5/3/2016	5/12/2016	9	180	OK
MW-31	Toluene	5/3/2016	5/6/2016	3	14	OK
MW-31	Total Dissolved Solids	5/3/2016	5/6/2016	3	7	OK
MW-31	Uranium	5/3/2016	5/12/2016	9	180	OK
MW-31	Vanadium	5/3/2016	5/17/2016	14	180	OK
MW-31	Xylenes, Total	5/3/2016	5/6/2016	3	14	OK
MW-31	Zinc	5/3/2016	5/12/2016	9	180	OK
MW-32	2-Butanone	4/20/2016	4/25/2016	5	14	OK
MW-32	Acetone	4/20/2016	4/25/2016	5	14	OK
MW-32	Ammonia (as N)	4/20/2016	4/26/2016	6	28	OK
MW-32	Arsenic	4/20/2016	4/25/2016	5	180	OK
MW-32	Benzene	4/20/2016	4/25/2016	5	14	OK
MW-32	Beryllium	4/20/2016	4/25/2016	5	180	OK
MW-32	Bicarbonate (as CaCO3)	4/20/2016	4/25/2016	5	14	OK
MW-32	Cadmium	4/20/2016	4/25/2016	5	180	OK
MW-32	Calcium	4/20/2016	5/4/2016	14	180	OK
MW-32	Carbon tetrachloride	4/20/2016	4/25/2016	5	14	OK
MW-32	Carbonate (as CaCO3)	4/20/2016	4/25/2016	5	14	OK
MW-32	Chloride	4/20/2016	4/29/2016	9	28	OK
MW-32	Chloroform	4/20/2016	4/25/2016	5	14	OK
MW-32	Chloromethane	4/20/2016	4/25/2016	5	14	OK
MW-32	Chromium	4/20/2016	4/25/2016	5	180	OK
MW-32	Cobalt	4/20/2016	4/25/2016	5	180	OK
MW-32	Copper	4/20/2016	4/26/2016	6	180	OK
MW-32	Fluoride	4/20/2016	4/30/2016	10	28	OK
MW-32	Gross Radium Alpha	4/20/2016	5/16/2016	26	180	OK
MW-32	Iron	4/20/2016	4/26/2016	6	180	OK
MW-32	Lead	4/20/2016	4/25/2016	5	180	OK
MW-32	Magnesium	4/20/2016	5/4/2016	14	180	OK
MW-32	Manganese	4/20/2016	4/26/2016	6	180	OK
MW-32	Mercury	4/20/2016	5/2/2016	12	180	OK
MW-32	Methylene chloride	4/20/2016	4/25/2016	5	14	OK
MW-32	Molybdenum	4/20/2016	4/25/2016	5	180	OK
MW-32	Naphthalene	4/20/2016	4/25/2016	5	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-32	Nickel	4/20/2016	4/25/2016	5	180	OK
MW-32	Nitrate/Nitrite (as N)	4/20/2016	5/6/2016	16	28	OK
MW-32	Potassium	4/20/2016	5/4/2016	14	180	OK
MW-32	Selenium	4/20/2016	4/25/2016	5	180	OK
MW-32	Silver	4/20/2016	4/25/2016	5	180	OK
MW-32	Sodium	4/20/2016	5/4/2016	14	180	OK
MW-32	Sulfate	4/20/2016	4/29/2016	9	28	OK
MW-32	Tetrahydrofuran	4/20/2016	4/25/2016	5	14	OK
MW-32	Thallium	4/20/2016	4/25/2016	5	180	OK
MW-32	Tin	4/20/2016	4/25/2016	5	180	OK
MW-32	Toluene	4/20/2016	4/25/2016	5	14	OK
MW-32	Total Dissolved Solids	4/20/2016	4/22/2016	2	7	OK
MW-32	Uranium	4/20/2016	4/25/2016	5	180	OK
MW-32	Vanadium	4/20/2016	5/4/2016	14	180	OK
MW-32	Xylenes, Total	4/20/2016	4/25/2016	5	14	OK
MW-32	Zinc	4/20/2016	4/25/2016	5	180	OK
MW-35	2-Butanone	5/3/2016	5/6/2016	3	14	OK
MW-35	Acetone	5/3/2016	5/6/2016	3	14	OK
MW-35	Ammonia (as N)	5/3/2016	5/9/2016	6	28	OK
MW-35	Arsenic	5/3/2016	5/12/2016	9	180	OK
MW-35	Benzene	5/3/2016	5/6/2016	3	14	OK
MW-35	Beryllium	5/3/2016	5/12/2016	9	180	OK
MW-35	Bicarbonate (as CaCO3)	5/3/2016	5/10/2016	7	14	OK
MW-35	Cadmium	5/3/2016	5/12/2016	9	180	OK
MW-35	Calcium	5/3/2016	5/17/2016	14	180	OK
MW-35	Carbon tetrachloride	5/3/2016	5/6/2016	3	14	OK
MW-35	Carbonate (as CaCO3)	5/3/2016	5/10/2016	7	14	OK
MW-35	Chloride	5/3/2016	5/13/2016	10	28	OK
MW-35	Chloroform	5/3/2016	5/6/2016	3	14	OK
MW-35	Chloromethane	5/3/2016	5/6/2016	3	14	OK
MW-35	Chromium	5/3/2016	5/12/2016	9	180	OK
MW-35	Cobalt	5/3/2016	5/12/2016	9	180	OK
MW-35	Copper	5/3/2016	5/12/2016	9	180	OK
MW-35	Fluoride	5/3/2016	5/13/2016	10	28	OK
MW-35	Gross Radium Alpha	5/3/2016	5/25/2016	22	180	OK
MW-35	Iron	5/3/2016	5/12/2016	9	180	OK
MW-35	Lead	5/3/2016	5/12/2016	9	180	OK
MW-35	Magnesium	5/3/2016	5/17/2016	14	180	OK
MW-35	Manganese	5/3/2016	5/12/2016	9	180	OK
MW-35	Mercury	5/3/2016	5/12/2016	9	180	OK
MW-35	Methylene chloride	5/3/2016	5/6/2016	3	14	OK
MW-35	Molybdenum	5/3/2016	5/12/2016	9	180	OK
MW-35	Naphthalene	5/3/2016	5/6/2016	3	14	OK
MW-35	Nickel	5/3/2016	5/12/2016	9	180	OK
MW-35	Nitrate/Nitrite (as N)	5/3/2016	5/18/2016	15	28	OK
MW-35	Potassium	5/3/2016	5/17/2016	14	180	OK
MW-35	Selenium	5/3/2016	5/12/2016	9	180	OK
MW-35	Silver	5/3/2016	5/12/2016	9	180	OK
MW-35	Sodium	5/3/2016	5/17/2016	14	180	OK
MW-35	Sulfate	5/3/2016	5/12/2016	9	28	OK
MW-35	Tetrahydrofuran	5/3/2016	5/6/2016	3	14	OK
MW-35	Thallium	5/3/2016	5/12/2016	9	180	OK
MW-35	Tin	5/3/2016	5/12/2016	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-35	Toluene	5/3/2016	5/6/2016	3	14	OK
MW-35	Total Dissolved Solids	5/3/2016	5/6/2016	3	7	OK
MW-35	Uranium	5/3/2016	5/12/2016	9	180	OK
MW-35	Vanadium	5/3/2016	5/17/2016	14	180	OK
MW-35	Xylenes, Total	5/3/2016	5/6/2016	3	14	OK
MW-35	Zinc	5/3/2016	5/12/2016	9	180	OK
MW-36	2-Butanone	4/20/2016	4/25/2016	5	14	OK
MW-36	Acetone	4/20/2016	4/25/2016	5	14	OK
MW-36	Ammonia (as N)	4/20/2016	4/26/2016	6	28	OK
MW-36	Arsenic	4/20/2016	4/25/2016	5	180	OK
MW-36	Benzene	4/20/2016	4/25/2016	5	14	OK
MW-36	Beryllium	4/20/2016	4/25/2016	5	180	OK
MW-36	Bicarbonate (as CaCO ₃)	4/20/2016	4/25/2016	5	14	OK
MW-36	Cadmium	4/20/2016	4/25/2016	5	180	OK
MW-36	Calcium	4/20/2016	5/4/2016	14	180	OK
MW-36	Carbon tetrachloride	4/20/2016	4/25/2016	5	14	OK
MW-36	Carbonate (as CaCO ₃)	4/20/2016	4/25/2016	5	14	OK
MW-36	Chloride	4/20/2016	4/29/2016	9	28	OK
MW-36	Chloroform	4/20/2016	4/25/2016	5	14	OK
MW-36	Chloromethane	4/20/2016	4/25/2016	5	14	OK
MW-36	Chromium	4/20/2016	4/25/2016	5	180	OK
MW-36	Cobalt	4/20/2016	4/25/2016	5	180	OK
MW-36	Copper	4/20/2016	4/26/2016	6	180	OK
MW-36	Fluoride	4/20/2016	4/30/2016	10	28	OK
MW-36	Gross Radium Alpha	4/20/2016	5/16/2016	26	180	OK
MW-36	Iron	4/20/2016	4/25/2016	5	180	OK
MW-36	Lead	4/20/2016	4/25/2016	5	180	OK
MW-36	Magnesium	4/20/2016	5/4/2016	14	180	OK
MW-36	Manganese	4/20/2016	4/25/2016	5	180	OK
MW-36	Mercury	4/20/2016	5/2/2016	12	180	OK
MW-36	Methylene chloride	4/20/2016	4/25/2016	5	14	OK
MW-36	Molybdenum	4/20/2016	4/25/2016	5	180	OK
MW-36	Naphthalene	4/20/2016	4/25/2016	5	14	OK
MW-36	Nickel	4/20/2016	4/25/2016	5	180	OK
MW-36	Nitrate/Nitrite (as N)	4/20/2016	5/6/2016	16	28	OK
MW-36	Potassium	4/20/2016	5/4/2016	14	180	OK
MW-36	Selenium	4/20/2016	4/25/2016	5	180	OK
MW-36	Silver	4/20/2016	4/25/2016	5	180	OK
MW-36	Sodium	4/20/2016	5/4/2016	14	180	OK
MW-36	Sulfate	4/20/2016	4/29/2016	9	28	OK
MW-36	Tetrahydrofuran	4/20/2016	4/25/2016	5	14	OK
MW-36	Thallium	4/20/2016	4/25/2016	5	180	OK
MW-36	Tin	4/20/2016	4/25/2016	5	180	OK
MW-36	Toluene	4/20/2016	4/25/2016	5	14	OK
MW-36	Total Dissolved Solids	4/20/2016	4/22/2016	2	7	OK
MW-36	Uranium	4/20/2016	4/25/2016	5	180	OK
MW-36	Vanadium	4/20/2016	5/4/2016	14	180	OK
MW-36	Xylenes, Total	4/20/2016	4/25/2016	5	14	OK
MW-36	Zinc	4/20/2016	4/25/2016	5	180	OK
MW-37	2-Butanone	5/18/2016	5/20/2016	2	14	OK
MW-37	Acetone	5/18/2016	5/20/2016	2	14	OK
MW-37	Ammonia (as N)	5/18/2016	5/23/2016	5	28	OK
MW-37	Arsenic	5/18/2016	5/25/2016	7	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	Benzene	5/18/2016	5/20/2016	2	14	OK
MW-37	Beryllium	5/18/2016	5/25/2016	7	180	OK
MW-37	Bicarbonate (as CaCO3)	5/18/2016	5/23/2016	5	14	OK
MW-37	Cadmium	5/18/2016	5/25/2016	7	180	OK
MW-37	Calcium	5/18/2016	5/27/2016	9	180	OK
MW-37	Carbon tetrachloride	5/18/2016	5/20/2016	2	14	OK
MW-37	Carbonate (as CaCO3)	5/18/2016	5/23/2016	5	14	OK
MW-37	Chloride	5/18/2016	5/31/2016	13	28	OK
MW-37	Chloroform	5/18/2016	5/20/2016	2	14	OK
MW-37	Chloromethane	5/18/2016	5/20/2016	2	14	OK
MW-37	Chromium	5/18/2016	5/25/2016	7	180	OK
MW-37	Cobalt	5/18/2016	5/25/2016	7	180	OK
MW-37	Copper	5/18/2016	5/25/2016	7	180	OK
MW-37	Fluoride	5/18/2016	5/31/2016	13	28	OK
MW-37	Gross Radium Alpha	5/18/2016	6/15/2016	28	180	OK
MW-37	Iron	5/18/2016	5/25/2016	7	180	OK
MW-37	Lead	5/18/2016	5/25/2016	7	180	OK
MW-37	Magnesium	5/18/2016	5/27/2016	9	180	OK
MW-37	Manganese	5/18/2016	5/25/2016	7	180	OK
MW-37	Mercury	5/18/2016	5/31/2016	13	180	OK
MW-37	Methylene chloride	5/18/2016	5/20/2016	2	14	OK
MW-37	Molybdenum	5/18/2016	5/25/2016	7	180	OK
MW-37	Naphthalene	5/18/2016	5/20/2016	2	14	OK
MW-37	Nickel	5/18/2016	5/25/2016	7	180	OK
MW-37	Nitrate/Nitrite (as N)	5/18/2016	5/31/2016	13	28	OK
MW-37	Potassium	5/18/2016	5/27/2016	9	180	OK
MW-37	Selenium	5/18/2016	5/25/2016	7	180	OK
MW-37	Silver	5/18/2016	5/25/2016	7	180	OK
MW-37	Sodium	5/18/2016	5/27/2016	9	180	OK
MW-37	Sulfate	5/18/2016	5/31/2016	13	28	OK
MW-37	Tetrahydrofuran	5/18/2016	5/20/2016	2	14	OK
MW-37	Thallium	5/18/2016	5/25/2016	7	180	OK
MW-37	Tin	5/18/2016	5/25/2016	7	180	OK
MW-37	Toluene	5/18/2016	5/20/2016	2	14	OK
MW-37	Total Dissolved Solids	5/18/2016	5/20/2016	2	7	OK
MW-37	Uranium	5/18/2016	5/24/2016	6	180	OK
MW-37	Vanadium	5/18/2016	5/27/2016	9	180	OK
MW-37	Xylenes, Total	5/18/2016	5/20/2016	2	14	OK
MW-37	Zinc	5/18/2016	5/25/2016	7	180	OK
MW-65	2-Butanone	4/27/2016	4/29/2016	2	14	OK
MW-65	Acetone	4/27/2016	4/29/2016	2	14	OK
MW-65	Ammonia (as N)	4/27/2016	5/9/2016	12	28	OK
MW-65	Arsenic	4/27/2016	5/4/2016	7	180	OK
MW-65	Benzene	4/27/2016	4/29/2016	2	14	OK
MW-65	Beryllium	4/27/2016	5/4/2016	7	180	OK
MW-65	Bicarbonate (as CaCO3)	4/27/2016	4/29/2016	2	14	OK
MW-65	Cadmium	4/27/2016	5/4/2016	7	180	OK
MW-65	Calcium	4/27/2016	5/5/2016	8	180	OK
MW-65	Carbon tetrachloride	4/27/2016	4/29/2016	2	14	OK
MW-65	Carbonate (as CaCO3)	4/27/2016	4/29/2016	2	14	OK
MW-65	Chloride	4/27/2016	5/3/2016	6	28	OK
MW-65	Chloroform	4/27/2016	4/29/2016	2	14	OK
MW-65	Chloromethane	4/27/2016	4/29/2016	2	14	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-65	Chromium	4/27/2016	5/4/2016	7	180	OK
MW-65	Cobalt	4/27/2016	5/4/2016	7	180	OK
MW-65	Copper	4/27/2016	5/4/2016	7	180	OK
MW-65	Fluoride	4/27/2016	5/4/2016	7	28	OK
MW-65	Gross Radium Alpha	4/27/2016	5/25/2016	28	180	OK
MW-65	Iron	4/27/2016	5/4/2016	7	180	OK
MW-65	Lead	4/27/2016	5/4/2016	7	180	OK
MW-65	Magnesium	4/27/2016	5/5/2016	8	180	OK
MW-65	Manganese	4/27/2016	5/4/2016	7	180	OK
MW-65	Mercury	4/27/2016	5/9/2016	12	180	OK
MW-65	Methylene chloride	4/27/2016	4/29/2016	2	14	OK
MW-65	Molybdenum	4/27/2016	5/4/2016	7	180	OK
MW-65	Naphthalene	4/27/2016	4/29/2016	2	14	OK
MW-65	Nickel	4/27/2016	5/4/2016	7	180	OK
MW-65	Nitrate/Nitrite (as N)	4/27/2016	5/10/2016	13	28	OK
MW-65	Potassium	4/27/2016	5/10/2016	13	180	OK
MW-65	Selenium	4/27/2016	5/4/2016	7	180	OK
MW-65	Silver	4/27/2016	5/4/2016	7	180	OK
MW-65	Sodium	4/27/2016	5/5/2016	8	180	OK
MW-65	Sulfate	4/27/2016	5/3/2016	6	28	OK
MW-65	Tetrahydrofuran	4/27/2016	4/29/2016	2	14	OK
MW-65	Thallium	4/27/2016	5/4/2016	7	180	OK
MW-65	Tin	4/27/2016	5/4/2016	7	180	OK
MW-65	Toluene	4/27/2016	4/29/2016	2	14	OK
MW-65	Total Dissolved Solids	4/27/2016	4/29/2016	2	7	OK
MW-65	Uranium	4/27/2016	5/4/2016	7	180	OK
MW-65	Vanadium	4/27/2016	5/10/2016	13	180	OK
MW-65	Xylenes, Total	4/27/2016	4/29/2016	2	14	OK
MW-65	Zinc	4/27/2016	5/4/2016	7	180	OK
MW-70	2-Butanone	5/4/2016	5/6/2016	2	14	OK
MW-70	Acetone	5/4/2016	5/6/2016	2	14	OK
MW-70	Ammonia (as N)	5/4/2016	5/9/2016	5	28	OK
MW-70	Arsenic	5/4/2016	5/12/2016	8	180	OK
MW-70	Benzene	5/4/2016	5/6/2016	2	14	OK
MW-70	Beryllium	5/4/2016	5/12/2016	8	180	OK
MW-70	Bicarbonate (as CaCO3)	5/4/2016	5/10/2016	6	14	OK
MW-70	Cadmium	5/4/2016	5/12/2016	8	180	OK
MW-70	Calcium	5/4/2016	5/17/2016	13	180	OK
MW-70	Carbon tetrachloride	5/4/2016	5/6/2016	2	14	OK
MW-70	Carbonate (as CaCO3)	5/4/2016	5/10/2016	6	14	OK
MW-70	Chloride	5/4/2016	5/13/2016	9	28	OK
MW-70	Chloroform	5/4/2016	5/6/2016	2	14	OK
MW-70	Chloromethane	5/4/2016	5/6/2016	2	14	OK
MW-70	Chromium	5/4/2016	5/12/2016	8	180	OK
MW-70	Cobalt	5/4/2016	5/12/2016	8	180	OK
MW-70	Copper	5/4/2016	5/12/2016	8	180	OK
MW-70	Fluoride	5/4/2016	5/13/2016	9	28	OK
MW-70	Gross Radium Alpha	5/4/2016	5/25/2016	21	180	OK
MW-70	Iron	5/4/2016	5/12/2016	8	180	OK
MW-70	Lead	5/4/2016	5/12/2016	8	180	OK
MW-70	Magnesium	5/4/2016	5/17/2016	13	180	OK
MW-70	Manganese	5/4/2016	5/12/2016	8	180	OK
MW-70	Mercury	5/4/2016	5/12/2016	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-70	Methylene chloride	5/4/2016	5/6/2016	2	14	OK
MW-70	Molybdenum	5/4/2016	5/12/2016	8	180	OK
MW-70	Naphthalene	5/4/2016	5/6/2016	2	14	OK
MW-70	Nickel	5/4/2016	5/12/2016	8	180	OK
MW-70	Nitrate/Nitrite (as N)	5/4/2016	5/18/2016	14	28	OK
MW-70	Potassium	5/4/2016	5/17/2016	13	180	OK
MW-70	Selenium	5/4/2016	5/12/2016	8	180	OK
MW-70	Silver	5/4/2016	5/12/2016	8	180	OK
MW-70	Sodium	5/4/2016	5/17/2016	13	180	OK
MW-70	Sulfate	5/4/2016	5/12/2016	8	28	OK
MW-70	Tetrahydrofuran	5/4/2016	5/6/2016	2	14	OK
MW-70	Thallium	5/4/2016	5/12/2016	8	180	OK
MW-70	Tin	5/4/2016	5/12/2016	8	180	OK
MW-70	Toluene	5/4/2016	5/6/2016	2	14	OK
MW-70	Total Dissolved Solids	5/4/2016	5/6/2016	2	7	OK
MW-70	Uranium	5/4/2016	5/12/2016	8	180	OK
MW-70	Vanadium	5/4/2016	5/17/2016	13	180	OK
MW-70	Xylenes, Total	5/4/2016	5/6/2016	2	14	OK
MW-70	Zinc	5/4/2016	5/12/2016	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
Trip Blank	Toluene	4/13/2016	4/15/2016	2	14	OK
Trip Blank	Tetrahydrofuran	4/13/2016	4/15/2016	2	14	OK
Trip Blank	Xylenes, Total	4/13/2016	4/15/2016	2	14	OK
Trip Blank	Carbon tetrachloride	4/13/2016	4/15/2016	2	14	OK
Trip Blank	Acetone	4/13/2016	4/15/2016	2	14	OK
Trip Blank	Chloroform	4/13/2016	4/15/2016	2	14	OK
Trip Blank	Benzene	4/13/2016	4/15/2016	2	14	OK
Trip Blank	Chloromethane	4/13/2016	4/15/2016	2	14	OK
Trip Blank	Methylene chloride	4/13/2016	4/15/2016	2	14	OK
Trip Blank	2-Butanone	4/13/2016	4/15/2016	2	14	OK
Trip Blank	Naphthalene	4/13/2016	4/15/2016	2	14	OK
Trip Blank	Chloroform	6/15/2016	6/17/2016	2	14	OK
Trip Blank	Methylene chloride	6/15/2016	6/17/2016	2	14	OK
MW-11	Manganese	4/12/2016	4/20/2016	8	180	OK
MW-11	Manganese	6/14/2016	6/22/2016	8	180	OK
MW-25	Chloride	4/12/2016	4/27/2016	15	28	OK
MW-25	Cadmium	4/12/2016	4/20/2016	8	180	OK
MW-25	Uranium	4/12/2016	4/20/2016	8	180	OK
MW-25	Chloride	6/14/2016	6/29/2016	15	28	OK
MW-25	Cadmium	6/14/2016	6/22/2016	8	180	OK
MW-25	Uranium	6/14/2016	6/22/2016	8	180	OK
MW-26	Toluene	4/13/2016	4/15/2016	2	14	OK
MW-26	Tetrahydrofuran	4/13/2016	4/15/2016	2	14	OK
MW-26	Xylenes, Total	4/13/2016	4/15/2016	2	14	OK
MW-26	Chloride	4/13/2016	4/27/2016	14	28	OK
MW-26	Carbon tetrachloride	4/13/2016	4/15/2016	2	14	OK
MW-26	Acetone	4/13/2016	4/15/2016	2	14	OK
MW-26	Chloroform	4/13/2016	4/15/2016	2	14	OK
MW-26	Benzene	4/13/2016	4/15/2016	2	14	OK
MW-26	Chloromethane	4/13/2016	4/15/2016	2	14	OK
MW-26	Uranium	4/13/2016	4/20/2016	7	180	OK
MW-26	Methylene chloride	4/13/2016	4/15/2016	2	14	OK
MW-26	2-Butanone	4/13/2016	4/15/2016	2	14	OK
MW-26	Naphthalene	4/13/2016	4/15/2016	2	14	OK
MW-26	Nitrate/Nitrite (as N)	4/13/2016	4/21/2016	8	28	OK
MW-26	Chloride	6/15/2016	6/29/2016	14	28	OK
MW-26	Chloroform	6/15/2016	6/17/2016	2	14	OK
MW-26	Uranium	6/15/2016	6/22/2016	7	180	OK
MW-26	Methylene chloride	6/15/2016	6/17/2016	2	14	OK
MW-26	Nitrate/Nitrite (as N)	6/15/2016	6/28/2016	13	28	OK
MW-30	Chloride	4/13/2016	4/27/2016	14	28	OK
MW-30	Fluoride	4/13/2016	4/25/2016	12	27	OK
MW-30	Uranium	4/13/2016	4/20/2016	7	180	OK
MW-30	Selenium	4/13/2016	4/20/2016	7	180	OK
MW-30	Nitrate/Nitrite (as N)	4/13/2016	4/21/2016	8	28	OK
MW-30	Chloride	6/14/2016	6/29/2016	15	28	OK
MW-30	Fluoride	6/14/2016	6/29/2016	15	27	OK
MW-30	Uranium	6/14/2016	6/22/2016	8	180	OK
MW-30	Selenium	6/14/2016	6/22/2016	8	180	OK
MW-30	Nitrate/Nitrite (as N)	6/14/2016	6/28/2016	14	28	OK
MW-31	Sulfate	4/12/2016	4/27/2016	15	28	OK
MW-31	Chloride	4/12/2016	4/27/2016	15	28	OK
MW-31	Selenium	4/12/2016	4/20/2016	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-31	Nitrate/Nitrite (as N)	4/12/2016	4/21/2016	9	28	OK
MW-31	Total Dissolved Solids	4/12/2016	4/18/2016	6	7	OK
MW-31	Sulfate	6/15/2016	6/29/2016	14	28	OK
MW-31	Chloride	6/15/2016	6/29/2016	14	28	OK
MW-31	Selenium	6/15/2016	6/22/2016	7	180	OK
MW-31	Nitrate/Nitrite (as N)	6/15/2016	6/28/2016	13	28	OK
MW-31	Total Dissolved Solids	6/15/2016	6/17/2016	2	7	OK
MW-35	Gross Radium Alpha	4/12/2016	5/16/2016	34	180	OK
MW-35	Manganese	4/12/2016	4/20/2016	8	180	OK
MW-35	Thallium	4/12/2016	4/20/2016	8	180	OK
MW-35	Uranium	4/12/2016	4/20/2016	8	180	OK
MW-35	Selenium	4/12/2016	4/20/2016	8	180	OK
MW-35	Gross Radium Alpha	6/15/2016	7/7/2016	22	180	OK
MW-35	Manganese	6/15/2016	6/22/2016	7	180	OK
MW-35	Thallium	6/15/2016	6/22/2016	7	180	OK
MW-35	Uranium	6/15/2016	6/22/2016	7	180	OK
MW-35	Selenium	6/15/2016	6/22/2016	7	180	OK
MW-65	Gross Radium Alpha	4/12/2016	5/16/2016	34	180	OK
MW-65	Manganese	4/12/2016	4/20/2016	8	180	OK
MW-65	Thallium	4/12/2016	4/20/2016	8	180	OK
MW-65	Uranium	4/12/2016	4/20/2016	8	180	OK
MW-65	Selenium	4/12/2016	4/20/2016	8	180	OK
MW-65	Chloride	6/14/2016	6/29/2016	15	28	OK
MW-65	Fluoride	6/14/2016	6/29/2016	15	27	OK
MW-65	Uranium	6/14/2016	6/22/2016	8	180	OK
MW-65	Selenium	6/14/2016	6/22/2016	8	180	OK
MW-65	Nitrate/Nitrite (as N)	6/14/2016	6/28/2016	14	28	OK

G-3A: Laboratory Receipt Temperature Check

Sample Batch	Wells in Batch	Temperature
AWAL 1604494	MW-01, MW-05, MW-12, MW-18, MW-19, MW-27, MW-28, MW-32, MW-36, Trip Blank	0.8 °C
AWAL 1604654	MW-02, MW-03, MW-03A, MW-15, MW-17, MW-22, MW-24, MW-29, MW-65, Trip Blank	3.5 °C
AWAL 1605152	MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, MW-35, MW-70, Trip Blank	3.5 °C
AWAL 1605438	MW-20, MW-23, MW-37, Trip Blank	2.4 °C
GEL 396023	MW-01, MW-05, MW-12, MW-18, MW-19, MW-27, MW-28, MW-32, MW-36	N/A
GEL 396449	MW-02, MW-03, MW-03A, MW-15, MW-17, MW-22, MW-24, MW-29, MW-65	N/A
GEL 396973	MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, MW-35, MW-70	N/A
GEL 398060	MW-20, MW-23, MW-37	N/A

N/A = These shipments contained samples for the analysis of gross alpha or metals only. Per Table 1 in the approved QAP, samples submitted for gross alpha and metals analyses do not have a sample temperature requirement.

G-3B: Laboratory Receipt Temperature Check - Accelerated Samples

Sample Batch	Wells in Batch	Temperature
AWAL 1604331	MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65, Trip Blank	0.3°C
GEL 395555	MW-35	NA
AWAL 1606373	MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, MW-35, Trip Blank	1.2 °C
GEL 399593	MW-35	N/A

N/A = These shipments contained samples for the analysis of gross alpha only. Per Table 1 in the approved QAP, samples submitted for gross alpha analyses do not have a sample temperature requirement.

G-4A: Analytical Method Check

Parameter	QAP Method	Method Used by Lab
Ammonia (as N)	A4500-NH3 G or E350.1	E350.1
Nitrate + Nitrite (as N)	E353.1 or E353.2	E353.2
Metals	E200.7 or E200.8	E200.7 and E200.8
Gross Alpha	E900.0 or E900.1	E900.1
VOCs	SW8260B or SW8260C	SW8260C
Chloride	A4500-Cl B or A4500-Cl E or E300.0	E300.0
Fluoride	A4500-F C or E300.0	E300.0
Sulfate	A4500-SO4 E or E300.0	E300.0
TDS	A2540 C	A2540 C
Carbonate as CO ₃ , Bicarbonate as HCO ₃	A2320 B	A2320 B
Calcium, Magnesium, Potassium, Sodium	E200.7	E200.7

G-4B: Analytical Method Check - Accelerated Samples

Parameter	QAP Method*	Method Used by Lab
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	A4500-Cl E and 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	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	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	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	2-Butanone	20	ug/L	U	1	20	OK
MW-01	Acetone	20	ug/L	U	1	20	OK
MW-01	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-01	Arsenic	5	ug/L	U	20	5	OK
MW-01	Benzene	1	ug/L	U	1	1	OK
MW-01	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-01	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-01	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-01	Calcium	100	mg/L		100	0.5	OK
MW-01	Carbon tetrachloride	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-01	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-01	Chloride	10	mg/L		10	1	OK
MW-01	Chloroform	1	ug/L	U	1	1	OK
MW-01	Chloromethane	1	ug/L	U	1	1	OK
MW-01	Chromium	25	ug/L	U	20	25	OK
MW-01	Cobalt	10	ug/L	U	20	10	OK
MW-01	Copper	10	ug/L	U	20	10	OK
MW-01	Fluoride	0.1	mg/L		1	0.1	OK
MW-01	Gross Radium Alpha	0.585	pCi/L	U	1	1	OK
MW-01	Iron	30	ug/L		5	30	OK
MW-01	Lead	1	ug/L	U	5	1	OK
MW-01	Magnesium	10	mg/L		10	0.5	OK
MW-01	Manganese	10	ug/L		20	10	OK
MW-01	Mercury	0.5	ug/L	U	1	0.5	OK
MW-01	Methylene chloride	1	ug/L	U	1	1	OK
MW-01	Molybdenum	10	ug/L	U	20	10	OK
MW-01	Naphthalene	1	ug/L	U	1	1	OK
MW-01	Nickel	20	ug/L	U	20	20	OK
MW-01	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-01	Potassium	1	mg/L		1	0.5	OK
MW-01	Selenium	5	ug/L	U	20	5	OK
MW-01	Silver	10	ug/L	U	20	10	OK
MW-01	Sodium	100	mg/L		100	0.5	OK
MW-01	Sulfate	100	mg/L		100	1	OK
MW-01	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-01	Thallium	0.5	ug/L	U	5	0.5	OK
MW-01	Tin	100	ug/L	U	20	100	OK
MW-01	Toluene	1	ug/L	U	1	1	OK
MW-01	Total Dissolved Solids	20	MG/L		2	10	OK
MW-01	Uranium	0.3	ug/L		2	0.3	OK
MW-01	Vanadium	15	ug/L	U	1	15	OK
MW-01	Xylenes, Total	1	ug/L	U	1	1	OK
MW-01	Zinc	10	ug/L	U	20	10	OK
MW-02	2-Butanone	20	ug/L	U	1	20	OK
MW-02	Acetone	20	ug/L	U	1	20	OK
MW-02	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-02	Arsenic	5	ug/L	U	20	5	OK
MW-02	Benzene	1	ug/L	U	1	1	OK
MW-02	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-02	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-02	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-02	Calcium	100	mg/L		100	0.5	OK
MW-02	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-02	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-02	Chloride	1	mg/L		1	1	OK
MW-02	Chloroform	1	ug/L	U	1	1	OK
MW-02	Chloromethane	1	ug/L	U	1	1	OK
MW-02	Chromium	25	ug/L	U	20	25	OK
MW-02	Cobalt	10	ug/L	U	20	10	OK
MW-02	Copper	10	ug/L	U	20	10	OK
MW-02	Fluoride	0.1	mg/L		1	0.1	OK
MW-02	Gross Radium Alpha	0.95	pCi/L	U	1	1	OK
MW-02	Iron	30	ug/L	U	5	30	OK
MW-02	Lead	1	ug/L	U	5	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-02	Magnesium	10	mg/L		10	0.5	OK
MW-02	Manganese	10	ug/L	U	20	10	OK
MW-02	Mercury	0.5	ug/L	U	1	0.5	OK
MW-02	Methylene chloride	1	ug/L	U	1	1	OK
MW-02	Molybdenum	10	ug/L	U	20	10	OK
MW-02	Naphthalene	1	ug/L	U	1	1	OK
MW-02	Nickel	20	ug/L	U	20	20	OK
MW-02	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-02	Potassium	10	mg/L		10	0.5	OK
MW-02	Selenium	5	ug/L		20	5	OK
MW-02	Silver	10	ug/L	U	20	10	OK
MW-02	Sodium	100	mg/L		100	0.5	OK
MW-02	Sulfate	1000	mg/L		1000	1	OK
MW-02	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-02	Thallium	0.5	ug/L	U	5	0.5	OK
MW-02	Tin	100	ug/L	U	20	100	OK
MW-02	Toluene	1	ug/L	U	1	1	OK
MW-02	Total Dissolved Solids	20	MG/L		2	10	OK
MW-02	Uranium	0.3	ug/L		2	0.3	OK
MW-02	Vanadium	15	ug/L	U	1	15	OK
MW-02	Xylenes, Total	1	ug/L	U	1	1	OK
MW-02	Zinc	10	ug/L	U	20	10	OK
MW-03	2-Butanone	20	ug/L	U	1	20	OK
MW-03	Acetone	20	ug/L	U	1	20	OK
MW-03	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-03	Arsenic	5	ug/L	U	20	5	OK
MW-03	Benzene	1	ug/L	U	1	1	OK
MW-03	Beryllium	0.5	ug/L		5	0.5	OK
MW-03	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-03	Cadmium	0.5	ug/L		20	0.5	OK
MW-03	Calcium	100	mg/L		100	0.5	OK
MW-03	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-03	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-03	Chloride	10	mg/L		10	1	OK
MW-03	Chloroform	1	ug/L	U	1	1	OK
MW-03	Chloromethane	1	ug/L	U	1	1	OK
MW-03	Chromium	25	ug/L	U	20	25	OK
MW-03	Cobalt	10	ug/L	U	20	10	OK
MW-03	Copper	10	ug/L	U	20	10	OK
MW-03	Fluoride	0.1	mg/L		1	0.1	OK
MW-03	Gross Radium Alpha	0.632	pCi/L	U	1	1	OK
MW-03	Iron	30	ug/L		5	30	OK
MW-03	Lead	1	ug/L	U	5	1	OK
MW-03	Magnesium	100	mg/L		100	0.5	OK
MW-03	Manganese	10	ug/L		100	10	OK
MW-03	Mercury	0.5	ug/L	U	1	0.5	OK
MW-03	Methylene chloride	1	ug/L	U	1	1	OK
MW-03	Molybdenum	10	ug/L	U	20	10	OK
MW-03	Naphthalene	1	ug/L	U	1	1	OK
MW-03	Nickel	20	ug/L		20	20	OK
MW-03	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-03	Potassium	10	mg/L		10	0.5	OK
MW-03	Selenium	5	ug/L	U	20	5	OK
MW-03	Silver	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-03	Sodium	100	mg/L		100	0.5	OK
MW-03	Sulfate	1000	mg/L		1000	1	OK
MW-03	Tetrahydrofuran	1	ug/L		1	1	OK
MW-03	Thallium	0.5	ug/L		5	0.5	OK
MW-03	Tin	100	ug/L	U	20	100	OK
MW-03	Toluene	1	ug/L	U	1	1	OK
MW-03	Total Dissolved Solids	20	MG/L		2	10	OK
MW-03	Uranium	0.3	ug/L		2	0.3	OK
MW-03	Vanadium	15	ug/L	U	1	15	OK
MW-03	Xylenes, Total	1	ug/L	U	1	1	OK
MW-03	Zinc	25	ug/L		100	10	OK
MW-03a	2-Butanone	20	ug/L	U	1	20	OK
MW-03a	Acetone	20	ug/L	U	1	20	OK
MW-03a	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-03a	Arsenic	5	ug/L	U	20	5	OK
MW-03a	Benzene	1	ug/L	U	1	1	OK
MW-03a	Beryllium	0.5	ug/L		5	0.5	OK
MW-03a	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-03a	Cadmium	0.5	ug/L		20	0.5	OK
MW-03a	Calcium	100	mg/L		100	0.5	OK
MW-03a	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-03a	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-03a	Chloride	10	mg/L		10	1	OK
MW-03a	Chloroform	1	ug/L	U	1	1	OK
MW-03a	Chloromethane	1	ug/L	U	1	1	OK
MW-03a	Chromium	25	ug/L	U	20	25	OK
MW-03a	Cobalt	10	ug/L	U	20	10	OK
MW-03a	Copper	10	ug/L	U	20	10	OK
MW-03a	Fluoride	0.1	mg/L		1	0.1	OK
MW-03a	Gross Radium Alpha	0.945	pCi/L	U	1	1	OK
MW-03a	Iron	30	ug/L	U	5	30	OK
MW-03a	Lead	1	ug/L	U	5	1	OK
MW-03a	Magnesium	100	mg/L		100	0.5	OK
MW-03a	Manganese	10	ug/L		20	10	OK
MW-03a	Mercury	0.5	ug/L	U	1	0.5	OK
MW-03a	Methylene chloride	1	ug/L	U	1	1	OK
MW-03a	Molybdenum	10	ug/L	U	20	10	OK
MW-03a	Naphthalene	1	ug/L	U	1	1	OK
MW-03a	Nickel	20	ug/L	U	20	20	OK
MW-03a	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-03a	Potassium	10	mg/L		10	0.5	OK
MW-03a	Selenium	5	ug/L		20	5	OK
MW-03a	Silver	10	ug/L	U	20	10	OK
MW-03a	Sodium	100	mg/L		100	0.5	OK
MW-03a	Sulfate	1000	mg/L		1000	1	OK
MW-03a	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-03a	Thallium	0.5	ug/L		5	0.5	OK
MW-03a	Tin	100	ug/L	U	20	100	OK
MW-03a	Toluene	1	ug/L	U	1	1	OK
MW-03a	Total Dissolved Solids	20	MG/L		2	10	OK
MW-03a	Uranium	0.3	ug/L		2	0.3	OK
MW-03a	Vanadium	15	ug/L	U	1	15	OK
MW-03a	Xylenes, Total	1	ug/L	U	1	1	OK
MW-03a	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-05	2-Butanone	20	ug/L	U	1	20	OK
MW-05	Acetone	20	ug/L	U	1	20	OK
MW-05	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-05	Arsenic	5	ug/L	U	20	5	OK
MW-05	Benzene	1	ug/L	U	1	1	OK
MW-05	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-05	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-05	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-05	Calcium	100	mg/L		100	0.5	OK
MW-05	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-05	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-05	Chloride	10	mg/L		10	1	OK
MW-05	Chloroform	1	ug/L	U	1	1	OK
MW-05	Chloromethane	1	ug/L	U	1	1	OK
MW-05	Chromium	25	ug/L	U	20	25	OK
MW-05	Cobalt	10	ug/L	U	20	10	OK
MW-05	Copper	10	ug/L	U	20	10	OK
MW-05	Fluoride	0.1	mg/L		1	0.1	OK
MW-05	Gross Radium Alpha	0.472	pCi/L	U	1	1	OK
MW-05	Iron	30	ug/L	U	5	30	OK
MW-05	Lead	1	ug/L	U	5	1	OK
MW-05	Magnesium	10	mg/L		10	0.5	OK
MW-05	Manganese	10	ug/L		20	10	OK
MW-05	Mercury	0.5	ug/L	U	1	0.5	OK
MW-05	Methylene chloride	1	ug/L	U	1	1	OK
MW-05	Molybdenum	10	ug/L	U	20	10	OK
MW-05	Naphthalene	1	ug/L	U	1	1	OK
MW-05	Nickel	20	ug/L	U	20	20	OK
MW-05	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-05	Potassium	1	mg/L		1	0.5	OK
MW-05	Selenium	5	ug/L	U	20	5	OK
MW-05	Silver	10	ug/L	U	20	10	OK
MW-05	Sodium	100	mg/L		100	0.5	OK
MW-05	Sulfate	1000	mg/L		1000	1	OK
MW-05	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-05	Thallium	0.5	ug/L	U	5	0.5	OK
MW-05	Tin	100	ug/L	U	20	100	OK
MW-05	Toluene	1	ug/L	U	1	1	OK
MW-05	Total Dissolved Solids	20	MG/L		2	10	OK
MW-05	Uranium	0.3	ug/L		2	0.3	OK
MW-05	Vanadium	15	ug/L	U	1	15	OK
MW-05	Xylenes, Total	1	ug/L	U	1	1	OK
MW-05	Zinc	10	ug/L	U	20	10	OK
MW-11	2-Butanone	20	ug/L	U	1	20	OK
MW-11	Acetone	20	ug/L	U	1	20	OK
MW-11	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-11	Arsenic	5	ug/L	U	20	5	OK
MW-11	Benzene	1	ug/L	U	1	1	OK
MW-11	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-11	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-11	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-11	Calcium	10	mg/L		10	0.5	OK
MW-11	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-11	Carbonate (as CaCO3)	1	mg/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-11	Chloride	10	mg/L		10	1	OK
MW-11	Chloroform	1	ug/L	U	1	1	OK
MW-11	Chloromethane	1	ug/L	U	1	1	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	Fluoride	0.1	mg/L		1	0.1	OK
MW-11	Gross Radium Alpha	0.984	pCi/L	U	1	1	OK
MW-11	Iron	30	ug/L		5	30	OK
MW-11	Lead	1	ug/L	U	5	1	OK
MW-11	Magnesium	10	mg/L		10	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	Methylene chloride	1	ug/L	U	1	1	OK
MW-11	Molybdenum	10	ug/L	U	20	10	OK
MW-11	Naphthalene	1	ug/L	U	1	1	OK
MW-11	Nickel	20	ug/L	U	20	20	OK
MW-11	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-11	Potassium	1	mg/L		1	0.5	OK
MW-11	Selenium	5	ug/L	U	20	5	OK
MW-11	Silver	10	ug/L	U	20	10	OK
MW-11	Sodium	100	mg/L		100	0.5	OK
MW-11	Sulfate	1000	mg/L		1000	1	OK
MW-11	Tetrahydrofuran	1	ug/L	U	1	1	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	Toluene	1	ug/L	U	1	1	OK
MW-11	Total Dissolved Solids	20	MG/L		2	10	OK
MW-11	Uranium	0.3	ug/L		2	0.3	OK
MW-11	Vanadium	15	ug/L	U	1	15	OK
MW-11	Xylenes, Total	1	ug/L	U	1	1	OK
MW-11	Zinc	10	ug/L	U	20	10	OK
MW-12	2-Butanone	20	ug/L	U	1	20	OK
MW-12	Acetone	20	ug/L	U	1	20	OK
MW-12	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-12	Arsenic	5	ug/L	U	20	5	OK
MW-12	Benzene	1	ug/L	U	1	1	OK
MW-12	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-12	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-12	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-12	Calcium	100	mg/L		100	0.5	OK
MW-12	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-12	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-12	Chloride	10	mg/L		10	1	OK
MW-12	Chloroform	1	ug/L	U	1	1	OK
MW-12	Chloromethane	1	ug/L	U	1	1	OK
MW-12	Chromium	25	ug/L	U	20	25	OK
MW-12	Cobalt	10	ug/L	U	20	10	OK
MW-12	Copper	10	ug/L	U	20	10	OK
MW-12	Fluoride	0.1	mg/L		1	0.1	OK
MW-12	Gross Radium Alpha	0.559	pCi/L	U	1	1	OK
MW-12	Iron	30	ug/L	U	5	30	OK
MW-12	Lead	1	ug/L	U	5	1	OK
MW-12	Magnesium	100	mg/L		100	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-12	Manganese	10	ug/L		20	10	OK
MW-12	Mercury	0.5	ug/L	U	1	0.5	OK
MW-12	Methylene chloride	1	ug/L	U	1	1	OK
MW-12	Molybdenum	10	ug/L	U	20	10	OK
MW-12	Naphthalene	1	ug/L	U	1	1	OK
MW-12	Nickel	20	ug/L	U	20	20	OK
MW-12	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-12	Potassium	10	mg/L		10	0.5	OK
MW-12	Selenium	5	ug/L		20	5	OK
MW-12	Silver	10	ug/L	U	20	10	OK
MW-12	Sodium	100	mg/L		100	0.5	OK
MW-12	Sulfate	1000	mg/L		1000	1	OK
MW-12	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-12	Thallium	0.5	ug/L	U	5	0.5	OK
MW-12	Tin	100	ug/L	U	20	100	OK
MW-12	Toluene	1	ug/L	U	1	1	OK
MW-12	Total Dissolved Solids	20	MG/L		2	10	OK
MW-12	Uranium	0.3	ug/L		2	0.3	OK
MW-12	Vanadium	15	ug/L	U	1	15	OK
MW-12	Xylenes, Total	1	ug/L	U	1	1	OK
MW-12	Zinc	10	ug/L	U	20	10	OK
MW-14	2-Butanone	20	ug/L	U	1	20	OK
MW-14	Acetone	20	ug/L	U	1	20	OK
MW-14	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-14	Arsenic	5	ug/L	U	20	5	OK
MW-14	Benzene	1	ug/L	U	1	1	OK
MW-14	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-14	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-14	Cadmium	0.5	ug/L		20	0.5	OK
MW-14	Calcium	100	mg/L		100	0.5	OK
MW-14	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-14	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-14	Chloride	10	mg/L		10	1	OK
MW-14	Chloroform	1	ug/L	U	1	1	OK
MW-14	Chloromethane	1	ug/L	U	1	1	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	Fluoride	0.1	mg/L		1	0.1	OK
MW-14	Gross Radium Alpha	0.971	pCi/L	U	1	1	OK
MW-14	Iron	30	ug/L	U	5	30	OK
MW-14	Lead	1	ug/L	U	5	1	OK
MW-14	Magnesium	100	mg/L		100	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	Methylene chloride	1	ug/L	U	1	1	OK
MW-14	Molybdenum	10	ug/L	U	20	10	OK
MW-14	Naphthalene	1	ug/L	U	1	1	OK
MW-14	Nickel	20	ug/L	U	20	20	OK
MW-14	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-14	Potassium	10	mg/L		10	0.5	OK
MW-14	Selenium	5	ug/L	U	20	5	OK
MW-14	Silver	10	ug/L	U	20	10	OK
MW-14	Sodium	100	mg/L		100	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	Sulfate	1000	mg/L		1000	1	OK
MW-14	Tetrahydrofuran	1	ug/L	U	1	1	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	Toluene	1	ug/L	U	1	1	OK
MW-14	Total Dissolved Solids	20	MG/L		2	10	OK
MW-14	Uranium	0.3	ug/L		2	0.3	OK
MW-14	Vanadium	15	ug/L	U	1	15	OK
MW-14	Xylenes, Total	1	ug/L	U	1	1	OK
MW-14	Zinc	10	ug/L		20	10	OK
MW-15	2-Butanone	20	ug/L	U	1	20	OK
MW-15	Acetone	20	ug/L	U	1	20	OK
MW-15	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-15	Arsenic	5	ug/L	U	20	5	OK
MW-15	Benzene	1	ug/L	U	1	1	OK
MW-15	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-15	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-15	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-15	Calcium	100	mg/L		100	0.5	OK
MW-15	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-15	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-15	Chloride	10	mg/L		10	1	OK
MW-15	Chloroform	1	ug/L	U	1	1	OK
MW-15	Chloromethane	1	ug/L	U	1	1	OK
MW-15	Chromium	25	ug/L	U	20	25	OK
MW-15	Cobalt	10	ug/L	U	20	10	OK
MW-15	Copper	10	ug/L	U	20	10	OK
MW-15	Fluoride	0.1	mg/L		1	0.1	OK
MW-15	Gross Radium Alpha	0.991	pCi/L	U	1	1	OK
MW-15	Iron	30	ug/L	U	5	30	OK
MW-15	Lead	1	ug/L	U	5	1	OK
MW-15	Magnesium	100	mg/L		100	0.5	OK
MW-15	Manganese	10	ug/L	U	20	10	OK
MW-15	Mercury	0.5	ug/L	U	1	0.5	OK
MW-15	Methylene chloride	1	ug/L	U	1	1	OK
MW-15	Molybdenum	10	ug/L	U	20	10	OK
MW-15	Naphthalene	1	ug/L	U	1	1	OK
MW-15	Nickel	20	ug/L	U	20	20	OK
MW-15	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-15	Potassium	10	mg/L		10	0.5	OK
MW-15	Selenium	5	ug/L		20	5	OK
MW-15	Silver	10	ug/L	U	20	10	OK
MW-15	Sodium	100	mg/L		100	0.5	OK
MW-15	Sulfate	1000	mg/L		1000	1	OK
MW-15	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-15	Thallium	0.5	ug/L	U	5	0.5	OK
MW-15	Tin	100	ug/L	U	20	100	OK
MW-15	Toluene	1	ug/L	U	1	1	OK
MW-15	Total Dissolved Solids	20	MG/L		2	10	OK
MW-15	Uranium	0.3	ug/L		2	0.3	OK
MW-15	Vanadium	15	ug/L	U	1	15	OK
MW-15	Xylenes, Total	1	ug/L	U	1	1	OK
MW-15	Zinc	10	ug/L	U	20	10	OK
MW-17	2-Butanone	20	ug/L	U	1	20	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-17	Acetone	20	ug/L	U	1	20	OK
MW-17	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-17	Arsenic	5	ug/L	U	20	5	OK
MW-17	Benzene	1	ug/L	U	1	1	OK
MW-17	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-17	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-17	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-17	Calcium	100	mg/L		100	0.5	OK
MW-17	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-17	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-17	Chloride	10	mg/L		10	1	OK
MW-17	Chloroform	1	ug/L	U	1	1	OK
MW-17	Chloromethane	1	ug/L	U	1	1	OK
MW-17	Chromium	25	ug/L	U	20	25	OK
MW-17	Cobalt	10	ug/L	U	20	10	OK
MW-17	Copper	10	ug/L	U	20	10	OK
MW-17	Fluoride	0.1	mg/L		1	0.1	OK
MW-17	Gross Radium Alpha	0.957	pCi/L	U	1	1	OK
MW-17	Iron	30	ug/L	U	5	30	OK
MW-17	Lead	1	ug/L	U	5	1	OK
MW-17	Magnesium	100	mg/L		100	0.5	OK
MW-17	Manganese	10	ug/L		20	10	OK
MW-17	Mercury	0.5	ug/L	U	1	0.5	OK
MW-17	Methylene chloride	1	ug/L	U	1	1	OK
MW-17	Molybdenum	10	ug/L	U	20	10	OK
MW-17	Naphthalene	1	ug/L	U	1	1	OK
MW-17	Nickel	20	ug/L	U	20	20	OK
MW-17	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-17	Potassium	10	mg/L		10	0.5	OK
MW-17	Selenium	5	ug/L		20	5	OK
MW-17	Silver	10	ug/L	U	20	10	OK
MW-17	Sodium	100	mg/L		100	0.5	OK
MW-17	Sulfate	1000	mg/L		1000	1	OK
MW-17	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-17	Thallium	0.5	ug/L	U	5	0.5	OK
MW-17	Tin	100	ug/L	U	20	100	OK
MW-17	Toluene	1	ug/L	U	1	1	OK
MW-17	Total Dissolved Solids	20	MG/L		2	10	OK
MW-17	Uranium	0.3	ug/L		2	0.3	OK
MW-17	Vanadium	15	ug/L	U	2	15	OK
MW-17	Xylenes, Total	1	ug/L	U	1	1	OK
MW-17	Zinc	10	ug/L	U	20	10	OK
MW-18	2-Butanone	20	ug/L	U	1	20	OK
MW-18	Acetone	20	ug/L	U	1	20	OK
MW-18	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-18	Arsenic	5	ug/L	U	20	5	OK
MW-18	Benzene	1	ug/L	U	1	1	OK
MW-18	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-18	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-18	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-18	Calcium	100	mg/L		100	0.5	OK
MW-18	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-18	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-18	Chloride	10	mg/L		10	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-18	Chloroform	1	ug/L	U	1	1	OK
MW-18	Chloromethane	1	ug/L	U	1	1	OK
MW-18	Chromium	25	ug/L	U	20	25	OK
MW-18	Cobalt	10	ug/L	U	20	10	OK
MW-18	Copper	10	ug/L	U	20	10	OK
MW-18	Fluoride	0.1	mg/L		1	0.1	OK
MW-18	Gross Radium Alpha	0.604	pCi/L	U	1	1	OK
MW-18	Iron	30	ug/L		5	30	OK
MW-18	Lead	1	ug/L	U	5	1	OK
MW-18	Magnesium	100	mg/L		100	0.5	OK
MW-18	Manganese	10	ug/L		20	10	OK
MW-18	Mercury	0.5	ug/L	U	1	0.5	OK
MW-18	Methylene chloride	1	ug/L	U	1	1	OK
MW-18	Molybdenum	10	ug/L	U	20	10	OK
MW-18	Naphthalene	1	ug/L	U	1	1	OK
MW-18	Nickel	20	ug/L	U	20	20	OK
MW-18	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-18	Potassium	1	mg/L		1	0.5	OK
MW-18	Selenium	5	ug/L	U	20	5	OK
MW-18	Silver	10	ug/L	U	20	10	OK
MW-18	Sodium	100	mg/L		100	0.5	OK
MW-18	Sulfate	1000	mg/L		1000	1	OK
MW-18	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-18	Thallium	0.5	ug/L		5	0.5	OK
MW-18	Tin	100	ug/L	U	20	100	OK
MW-18	Toluene	1	ug/L	U	1	1	OK
MW-18	Total Dissolved Solids	20	MG/L		2	10	OK
MW-18	Uranium	0.3	ug/L		2	0.3	OK
MW-18	Vanadium	15	ug/L	U	1	15	OK
MW-18	Xylenes, Total	1	ug/L	U	1	1	OK
MW-18	Zinc	10	ug/L		20	10	OK
MW-19	2-Butanone	20	ug/L	U	1	20	OK
MW-19	Acetone	20	ug/L	U	1	20	OK
MW-19	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-19	Arsenic	5	ug/L	U	20	5	OK
MW-19	Benzene	1	ug/L	U	1	1	OK
MW-19	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-19	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-19	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-19	Calcium	100	mg/L		100	0.5	OK
MW-19	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-19	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-19	Chloride	10	mg/L		10	1	OK
MW-19	Chloroform	1	ug/L	U	1	1	OK
MW-19	Chloromethane	1	ug/L	U	1	1	OK
MW-19	Chromium	25	ug/L	U	20	25	OK
MW-19	Cobalt	10	ug/L	U	20	10	OK
MW-19	Copper	10	ug/L	U	20	10	OK
MW-19	Fluoride	0.1	mg/L		1	0.1	OK
MW-19	Gross Radium Alpha	0.789	pCi/L	U	1	1	OK
MW-19	Iron	30	ug/L	U	5	30	OK
MW-19	Lead	1	ug/L	U	5	1	OK
MW-19	Magnesium	10	mg/L		10	0.5	OK
MW-19	Manganese	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-19	Mercury	0.5	ug/L	U	1	0.5	OK
MW-19	Methylene chloride	1	ug/L	U	1	1	OK
MW-19	Molybdenum	10	ug/L	U	20	10	OK
MW-19	Naphthalene	1	ug/L	U	1	1	OK
MW-19	Nickel	20	ug/L	U	20	20	OK
MW-19	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-19	Potassium	1	mg/L		1	0.5	OK
MW-19	Selenium	5	ug/L		20	5	OK
MW-19	Silver	10	ug/L	U	20	10	OK
MW-19	Sodium	10	mg/L		10	0.5	OK
MW-19	Sulfate	100	mg/L		100	1	OK
MW-19	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-19	Thallium	0.5	ug/L	U	5	0.5	OK
MW-19	Tin	100	ug/L	U	20	100	OK
MW-19	Toluene	1	ug/L	U	1	1	OK
MW-19	Total Dissolved Solids	20	MG/L		2	10	OK
MW-19	Uranium	0.3	ug/L		2	0.3	OK
MW-19	Vanadium	15	ug/L	U	1	15	OK
MW-19	Xylenes, Total	1	ug/L	U	1	1	OK
MW-19	Zinc	10	ug/L	U	20	10	OK
MW-20	2-Butanone	20	ug/L	U	1	20	OK
MW-20	Acetone	20	ug/L	U	1	20	OK
MW-20	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-20	Arsenic	5	ug/L	U	20	5	OK
MW-20	Benzene	1	ug/L	U	1	1	OK
MW-20	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-20	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-20	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-20	Calcium	100	mg/L		100	0.5	OK
MW-20	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-20	Carbonate (as CaCO3)	1	mg/L		1	1	OK
MW-20	Chloride	10	mg/L		10	1	OK
MW-20	Chloroform	1	ug/L	U	1	1	OK
MW-20	Chloromethane	1	ug/L	U	1	1	OK
MW-20	Chromium	25	ug/L	U	20	25	OK
MW-20	Cobalt	10	ug/L	U	20	10	OK
MW-20	Copper	10	ug/L	U	20	10	OK
MW-20	Fluoride	0.1	mg/L		1	0.1	OK
MW-20	Gross Radium Alpha	0.967	pCi/L	U	1	1	OK
MW-20	Iron	30	ug/L	U	5	30	OK
MW-20	Lead	1	ug/L	U	5	1	OK
MW-20	Magnesium	10	mg/L		10	0.5	OK
MW-20	Manganese	10	ug/L	U	20	10	OK
MW-20	Mercury	0.5	ug/L	U	1	0.5	OK
MW-20	Methylene chloride	1	ug/L	U	1	1	OK
MW-20	Molybdenum	10	ug/L		20	10	OK
MW-20	Naphthalene	1	ug/L	U	1	1	OK
MW-20	Nickel	20	ug/L	U	20	20	OK
MW-20	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-20	Potassium	10	mg/L		10	0.5	OK
MW-20	Selenium	5	ug/L	U	20	5	OK
MW-20	Silver	10	ug/L	U	20	10	OK
MW-20	Sodium	100	mg/L		100	0.5	OK
MW-20	Sulfate	1000	mg/L		1000	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-20	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-20	Thallium	0.5	ug/L	U	5	0.5	OK
MW-20	Tin	100	ug/L	U	20	100	OK
MW-20	Toluene	1	ug/L	U	1	1	OK
MW-20	Total Dissolved Solids	20	MG/L		2	10	OK
MW-20	Uranium	0.3	ug/L		2	0.3	OK
MW-20	Vanadium	15	ug/L	U	1	15	OK
MW-20	Xylenes, Total	1	ug/L	U	1	1	OK
MW-20	Zinc	10	ug/L	U	20	10	OK
MW-22	2-Butanone	20	ug/L	U	1	20	OK
MW-22	Acetone	20	ug/L	U	1	20	OK
MW-22	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-22	Arsenic	5	ug/L	U	20	5	OK
MW-22	Benzene	1	ug/L	U	1	1	OK
MW-22	Beryllium	0.5	ug/L		5	0.5	OK
MW-22	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-22	Cadmium	0.5	ug/L		20	0.5	OK
MW-22	Calcium	100	mg/L		100	0.5	OK
MW-22	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-22	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-22	Chloride	10	mg/L		10	1	OK
MW-22	Chloroform	1	ug/L	U	1	1	OK
MW-22	Chloromethane	1	ug/L	U	1	1	OK
MW-22	Chromium	25	ug/L	U	20	25	OK
MW-22	Cobalt	10	ug/L		20	10	OK
MW-22	Copper	10	ug/L		20	10	OK
MW-22	Fluoride	1	mg/L		10	0.1	OK
MW-22	Gross Radium Alpha	0.984	pCi/L		1	1	OK
MW-22	Iron	30	ug/L		5	30	OK
MW-22	Lead	1	ug/L		5	1	OK
MW-22	Magnesium	100	mg/L		100	0.5	OK
MW-22	Manganese	100	ug/L		1000	10	OK
MW-22	Mercury	0.5	ug/L	U	1	0.5	OK
MW-22	Methylene chloride	1	ug/L	U	1	1	OK
MW-22	Molybdenum	10	ug/L		20	10	OK
MW-22	Naphthalene	1	ug/L	U	1	1	OK
MW-22	Nickel	20	ug/L		20	20	OK
MW-22	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-22	Potassium	10	mg/L		10	0.5	OK
MW-22	Selenium	5	ug/L		20	5	OK
MW-22	Silver	10	ug/L	U	20	10	OK
MW-22	Sodium	100	mg/L		100	0.5	OK
MW-22	Sulfate	1000	mg/L		1000	1	OK
MW-22	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-22	Thallium	0.5	ug/L		5	0.5	OK
MW-22	Tin	100	ug/L	U	20	100	OK
MW-22	Toluene	1	ug/L	U	1	1	OK
MW-22	Total Dissolved Solids	100	MG/L		10	10	OK
MW-22	Uranium	0.3	ug/L		2	0.3	OK
MW-22	Vanadium	15	ug/L	U	2	15	OK
MW-22	Xylenes, Total	1	ug/L	U	1	1	OK
MW-22	Zinc	10	ug/L		20	10	OK
MW-23	2-Butanone	20	ug/L	U	1	20	OK
MW-23	Acetone	20	ug/L	U	1	20	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-23	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-23	Arsenic	5	ug/L	U	20	5	OK
MW-23	Benzene	1	ug/L	U	1	1	OK
MW-23	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-23	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-23	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-23	Calcium	100	mg/L		100	0.5	OK
MW-23	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-23	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-23	Chloride	1	mg/L		1	1	OK
MW-23	Chloroform	1	ug/L	U	1	1	OK
MW-23	Chloromethane	1	ug/L	U	1	1	OK
MW-23	Chromium	25	ug/L	U	20	25	OK
MW-23	Cobalt	10	ug/L	U	20	10	OK
MW-23	Copper	10	ug/L	U	20	10	OK
MW-23	Fluoride	0.1	mg/L		1	0.1	OK
MW-23	Gross Radium Alpha	0.926	pCi/L	U	1	1	OK
MW-23	Iron	30	ug/L	U	5	30	OK
MW-23	Lead	1	ug/L	U	5	1	OK
MW-23	Magnesium	100	mg/L		100	0.5	OK
MW-23	Manganese	10	ug/L	U	20	10	OK
MW-23	Mercury	0.5	ug/L	U	1	0.5	OK
MW-23	Methylene chloride	1	ug/L	U	1	1	OK
MW-23	Molybdenum	10	ug/L	U	20	10	OK
MW-23	Naphthalene	1	ug/L	U	1	1	OK
MW-23	Nickel	20	ug/L	U	20	20	OK
MW-23	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-23	Potassium	1	mg/L		1	0.5	OK
MW-23	Selenium	5	ug/L	U	20	5	OK
MW-23	Silver	10	ug/L	U	20	10	OK
MW-23	Sodium	100	mg/L		100	0.5	OK
MW-23	Sulfate	1000	mg/L		1000	1	OK
MW-23	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-23	Thallium	0.5	ug/L	U	5	0.5	OK
MW-23	Tin	100	ug/L	U	20	100	OK
MW-23	Toluene	1	ug/L	U	1	1	OK
MW-23	Total Dissolved Solids	20	MG/L		2	10	OK
MW-23	Uranium	0.3	ug/L		2	0.3	OK
MW-23	Vanadium	15	ug/L	U	1	15	OK
MW-23	Xylenes, Total	1	ug/L	U	1	1	OK
MW-23	Zinc	10	ug/L	U	20	10	OK
MW-24	2-Butanone	20	ug/L	U	1	20	OK
MW-24	Acetone	20	ug/L	U	1	20	OK
MW-24	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-24	Arsenic	5	ug/L	U	20	5	OK
MW-24	Benzene	1	ug/L	U	1	1	OK
MW-24	Beryllium	0.5	ug/L		5	0.5	OK
MW-24	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-24	Cadmium	0.5	ug/L		20	0.5	OK
MW-24	Calcium	100	mg/L		100	0.5	OK
MW-24	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-24	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-24	Chloride	10	mg/L		10	1	OK
MW-24	Chloroform	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-24	Chloromethane	1	ug/L	U	1	1	OK
MW-24	Chromium	25	ug/L	U	20	25	OK
MW-24	Cobalt	10	ug/L		20	10	OK
MW-24	Copper	10	ug/L	U	20	10	OK
MW-24	Fluoride	0.1	mg/L		1	0.1	OK
MW-24	Gross Radium Alpha	0.969	pCi/L	U	1	1	OK
MW-24	Iron	30	ug/L		5	30	OK
MW-24	Lead	1	ug/L		5	1	OK
MW-24	Magnesium	100	mg/L		100	0.5	OK
MW-24	Manganese	10	ug/L		100	10	OK
MW-24	Mercury	0.5	ug/L	U	1	0.5	OK
MW-24	Methylene chloride	1	ug/L	U	1	1	OK
MW-24	Molybdenum	10	ug/L	U	20	10	OK
MW-24	Naphthalene	1	ug/L	U	1	1	OK
MW-24	Nickel	20	ug/L		20	20	OK
MW-24	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-24	Potassium	10	mg/L		10	0.5	OK
MW-24	Selenium	5	ug/L	U	20	5	OK
MW-24	Silver	10	ug/L	U	20	10	OK
MW-24	Sodium	100	mg/L		100	0.5	OK
MW-24	Sulfate	1000	mg/L		1000	1	OK
MW-24	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-24	Thallium	0.5	ug/L		5	0.5	OK
MW-24	Tin	100	ug/L	U	20	100	OK
MW-24	Toluene	1	ug/L	U	1	1	OK
MW-24	Total Dissolved Solids	20	MG/L		2	10	OK
MW-24	Uranium	0.3	ug/L		2	0.3	OK
MW-24	Vanadium	15	ug/L	U	2	15	OK
MW-24	Xylenes, Total	1	ug/L	U	1	1	OK
MW-24	Zinc	10	ug/L		20	10	OK
MW-25	2-Butanone	20	ug/L	U	1	20	OK
MW-25	Acetone	20	ug/L	U	1	20	OK
MW-25	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-25	Arsenic	5	ug/L	U	20	5	OK
MW-25	Benzene	1	ug/L	U	1	1	OK
MW-25	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-25	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-25	Cadmium	0.5	ug/L		20	0.5	OK
MW-25	Calcium	100	mg/L		100	0.5	OK
MW-25	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-25	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-25	Chloride	10	mg/L		10	1	OK
MW-25	Chloroform	1	ug/L	U	1	1	OK
MW-25	Chloromethane	1	ug/L	U	1	1	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	Fluoride	0.1	mg/L		1	0.1	OK
MW-25	Gross Radium Alpha	0.973	pCi/L	U	1	1	OK
MW-25	Iron	30	ug/L	U	5	30	OK
MW-25	Lead	1	ug/L	U	5	1	OK
MW-25	Magnesium	100	mg/L		100	0.5	OK
MW-25	Manganese	10	ug/L		20	10	OK
MW-25	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-25	Methylene chloride	1	ug/L	U	1	1	OK
MW-25	Molybdenum	10	ug/L		20	10	OK
MW-25	Naphthalene	1	ug/L	U	1	1	OK
MW-25	Nickel	20	ug/L	U	20	20	OK
MW-25	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-25	Potassium	1	mg/L		1	0.5	OK
MW-25	Selenium	5	ug/L	U	20	5	OK
MW-25	Silver	10	ug/L	U	20	10	OK
MW-25	Sodium	100	mg/L		100	0.5	OK
MW-25	Sulfate	1000	mg/L		1000	1	OK
MW-25	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-25	Thallium	0.5	ug/L		5	0.5	OK
MW-25	Tin	100	ug/L	U	20	100	OK
MW-25	Toluene	1	ug/L	U	1	1	OK
MW-25	Total Dissolved Solids	20	MG/L		2	10	OK
MW-25	Uranium	0.3	ug/L		2	0.3	OK
MW-25	Vanadium	15	ug/L	U	1	15	OK
MW-25	Xylenes, Total	1	ug/L	U	1	1	OK
MW-25	Zinc	10	ug/L	U	20	10	OK
MW-26	2-Butanone	20	ug/L	U	1	20	OK
MW-26	Acetone	20	ug/L	U	1	20	OK
MW-26	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-26	Arsenic	5	ug/L	U	20	5	OK
MW-26	Benzene	1	ug/L	U	1	1	OK
MW-26	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-26	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-26	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-26	Calcium	100	mg/L		100	0.5	OK
MW-26	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-26	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-26	Chloride	10	mg/L		10	1	OK
MW-26	Chloroform	50	ug/L		50	1	OK
MW-26	Chloromethane	1	ug/L	U	1	1	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
MW-26	Fluoride	0.1	mg/L		1	0.1	OK
MW-26	Gross Radium Alpha	0.973	pCi/L		1	1	OK
MW-26	Iron	100	ug/L		20	30	OK
MW-26	Lead	1	ug/L	U	5	1	OK
MW-26	Magnesium	100	mg/L		100	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	Methylene chloride	1	ug/L		1	1	OK
MW-26	Molybdenum	10	ug/L	U	20	10	OK
MW-26	Naphthalene	1	ug/L	U	1	1	OK
MW-26	Nickel	20	ug/L	U	20	20	OK
MW-26	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-26	Potassium	10	mg/L		10	0.5	OK
MW-26	Selenium	5	ug/L	U	20	5	OK
MW-26	Silver	10	ug/L	U	20	10	OK
MW-26	Sodium	100	mg/L		100	0.5	OK
MW-26	Sulfate	1000	mg/L		1000	1	OK
MW-26	Tetrahydrofuran	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-26	Thallium	0.5	ug/L	U	5	0.5	OK
MW-26	Tin	100	ug/L	U	20	100	OK
MW-26	Toluene	1	ug/L	U	1	1	OK
MW-26	Total Dissolved Solids	20	MG/L		2	10	OK
MW-26	Uranium	0.3	ug/L		2	0.3	OK
MW-26	Vanadium	15	ug/L	U	1	15	OK
MW-26	Xylenes, Total	1	ug/L	U	1	1	OK
MW-26	Zinc	10	ug/L	U	20	10	OK
MW-27	2-Butanone	20	ug/L	U	1	20	OK
MW-27	Acetone	20	ug/L	U	1	20	OK
MW-27	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-27	Arsenic	5	ug/L	U	20	5	OK
MW-27	Benzene	1	ug/L	U	1	1	OK
MW-27	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-27	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-27	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-27	Calcium	100	mg/L		100	0.5	OK
MW-27	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-27	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-27	Chloride	10	mg/L		10	1	OK
MW-27	Chloroform	1	ug/L	U	1	1	OK
MW-27	Chloromethane	1	ug/L	U	1	1	OK
MW-27	Chromium	25	ug/L	U	20	25	OK
MW-27	Cobalt	10	ug/L	U	20	10	OK
MW-27	Copper	10	ug/L	U	20	10	OK
MW-27	Fluoride	0.1	mg/L		1	0.1	OK
MW-27	Gross Radium Alpha	0.535	pCi/L	U	1	1	OK
MW-27	Iron	30	ug/L	U	5	30	OK
MW-27	Lead	1	ug/L	U	5	1	OK
MW-27	Magnesium	10	mg/L		10	0.5	OK
MW-27	Manganese	10	ug/L	U	20	10	OK
MW-27	Mercury	0.5	ug/L	U	1	0.5	OK
MW-27	Methylene chloride	1	ug/L	U	1	1	OK
MW-27	Molybdenum	10	ug/L	U	20	10	OK
MW-27	Naphthalene	1	ug/L	U	1	1	OK
MW-27	Nickel	20	ug/L	U	20	20	OK
MW-27	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-27	Potassium	1	mg/L		1	0.5	OK
MW-27	Selenium	5	ug/L		20	5	OK
MW-27	Silver	10	ug/L	U	20	10	OK
MW-27	Sodium	10	mg/L		10	0.5	OK
MW-27	Sulfate	100	mg/L		100	1	OK
MW-27	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-27	Thallium	0.5	ug/L	U	5	0.5	OK
MW-27	Tin	100	ug/L	U	20	100	OK
MW-27	Toluene	1	ug/L	U	1	1	OK
MW-27	Total Dissolved Solids	20	MG/L		2	10	OK
MW-27	Uranium	0.3	ug/L		2	0.3	OK
MW-27	Vanadium	15	ug/L	U	1	15	OK
MW-27	Xylenes, Total	1	ug/L	U	1	1	OK
MW-27	Zinc	10	ug/L	U	20	10	OK
MW-28	2-Butanone	20	ug/L	U	1	20	OK
MW-28	Acetone	20	ug/L	U	1	20	OK
MW-28	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-28	Arsenic	5	ug/L		20	5	OK
MW-28	Benzene	1	ug/L	U	1	1	OK
MW-28	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-28	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-28	Cadmium	0.5	ug/L		20	0.5	OK
MW-28	Calcium	100	mg/L		100	0.5	OK
MW-28	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-28	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-28	Chloride	100	mg/L		100	1	OK
MW-28	Chloroform	1	ug/L	U	1	1	OK
MW-28	Chloromethane	1	ug/L	U	1	1	OK
MW-28	Chromium	25	ug/L	U	20	25	OK
MW-28	Cobalt	10	ug/L		20	10	OK
MW-28	Copper	10	ug/L	U	20	10	OK
MW-28	Fluoride	0.1	mg/L		1	0.1	OK
MW-28	Gross Radium Alpha	0.662	pCi/L	U	1	1	OK
MW-28	Iron	30	ug/L	U	5	30	OK
MW-28	Lead	1	ug/L		5	1	OK
MW-28	Magnesium	100	mg/L		100	0.5	OK
MW-28	Manganese	10	ug/L		20	10	OK
MW-28	Mercury	0.5	ug/L	U	1	0.5	OK
MW-28	Methylene chloride	1	ug/L	U	1	1	OK
MW-28	Molybdenum	10	ug/L	U	20	10	OK
MW-28	Naphthalene	1	ug/L	U	1	1	OK
MW-28	Nickel	20	ug/L		20	20	OK
MW-28	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-28	Potassium	10	mg/L		10	0.5	OK
MW-28	Selenium	5	ug/L	U	20	5	OK
MW-28	Silver	10	ug/L	U	20	10	OK
MW-28	Sodium	100	mg/L		100	0.5	OK
MW-28	Sulfate	1000	mg/L		1000	1	OK
MW-28	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-28	Thallium	0.5	ug/L		5	0.5	OK
MW-28	Tin	100	ug/L	U	20	100	OK
MW-28	Toluene	1	ug/L	U	1	1	OK
MW-28	Total Dissolved Solids	20	MG/L		2	10	OK
MW-28	Uranium	0.3	ug/L		2	0.3	OK
MW-28	Vanadium	15	ug/L	U	1	15	OK
MW-28	Xylenes, Total	1	ug/L	U	1	1	OK
MW-28	Zinc	10	ug/L		20	10	OK
MW-29	2-Butanone	20	ug/L	U	1	20	OK
MW-29	Acetone	20	ug/L	U	1	20	OK
MW-29	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-29	Arsenic	5	ug/L	U	20	5	OK
MW-29	Benzene	1	ug/L	U	1	1	OK
MW-29	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-29	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-29	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-29	Calcium	100	mg/L		100	0.5	OK
MW-29	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-29	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-29	Chloride	10	mg/L		10	1	OK
MW-29	Chloroform	1	ug/L	U	1	1	OK
MW-29	Chloromethane	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-29	Chromium	25	ug/L	U	20	25	OK
MW-29	Cobalt	10	ug/L	U	20	10	OK
MW-29	Copper	10	ug/L	U	20	10	OK
MW-29	Fluoride	0.1	mg/L		1	0.1	OK
MW-29	Gross Radium Alpha	0.975	pCi/L	U	1	1	OK
MW-29	Iron	100	ug/L		20	30	OK
MW-29	Lead	1	ug/L	U	5	1	OK
MW-29	Magnesium	100	mg/L		100	0.5	OK
MW-29	Manganese	10	ug/L		100	10	OK
MW-29	Mercury	0.5	ug/L	U	1	0.5	OK
MW-29	Methylene chloride	1	ug/L	U	1	1	OK
MW-29	Molybdenum	10	ug/L	U	20	10	OK
MW-29	Naphthalene	1	ug/L	U	1	1	OK
MW-29	Nickel	20	ug/L	U	20	20	OK
MW-29	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-29	Potassium	10	mg/L		10	0.5	OK
MW-29	Selenium	5	ug/L	U	20	5	OK
MW-29	Silver	10	ug/L	U	20	10	OK
MW-29	Sodium	100	mg/L		100	0.5	OK
MW-29	Sulfate	1000	mg/L		1000	1	OK
MW-29	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-29	Thallium	0.5	ug/L	U	5	0.5	OK
MW-29	Tin	100	ug/L	U	20	100	OK
MW-29	Toluene	1	ug/L	U	1	1	OK
MW-29	Total Dissolved Solids	20	MG/L		2	10	OK
MW-29	Uranium	0.3	ug/L		2	0.3	OK
MW-29	Vanadium	15	ug/L	U	2	15	OK
MW-29	Xylenes, Total	1	ug/L	U	1	1	OK
MW-29	Zinc	10	ug/L		20	10	OK
MW-30	2-Butanone	20	ug/L	U	1	20	OK
MW-30	Acetone	20	ug/L	U	1	20	OK
MW-30	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-30	Arsenic	5	ug/L	U	20	5	OK
MW-30	Benzene	1	ug/L	U	1	1	OK
MW-30	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-30	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-30	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-30	Calcium	100	mg/L		100	0.5	OK
MW-30	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-30	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-30	Chloride	100	mg/L		100	1	OK
MW-30	Chloroform	1	ug/L	U	1	1	OK
MW-30	Chloromethane	1	ug/L	U	1	1	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	Fluoride	0.1	mg/L		1	0.1	OK
MW-30	Gross Radium Alpha	0.94	pCi/L	U	1	1	OK
MW-30	Iron	30	ug/L	U	5	30	OK
MW-30	Lead	1	ug/L	U	5	1	OK
MW-30	Magnesium	10	mg/L		10	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	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-30	Molybdenum	10	ug/L	U	20	10	OK
MW-30	Naphthalene	1	ug/L	U	1	1	OK
MW-30	Nickel	20	ug/L	U	20	20	OK
MW-30	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-30	Potassium	1	mg/L		1	0.5	OK
MW-30	Selenium	5	ug/L		20	5	OK
MW-30	Silver	10	ug/L	U	20	10	OK
MW-30	Sodium	100	mg/L		100	0.5	OK
MW-30	Sulfate	100	mg/L		100	1	OK
MW-30	Tetrahydrofuran	1	ug/L	U	1	1	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	Toluene	1	ug/L	U	1	1	OK
MW-30	Total Dissolved Solids	20	MG/L		2	10	OK
MW-30	Uranium	0.3	ug/L		2	0.3	OK
MW-30	Vanadium	15	ug/L	U	1	15	OK
MW-30	Xylenes, Total	1	ug/L	U	1	1	OK
MW-30	Zinc	10	ug/L	U	20	10	OK
MW-31	2-Butanone	20	ug/L	U	1	20	OK
MW-31	Acetone	20	ug/L	U	1	20	OK
MW-31	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-31	Arsenic	5	ug/L	U	20	5	OK
MW-31	Benzene	1	ug/L	U	1	1	OK
MW-31	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-31	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-31	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-31	Calcium	100	mg/L		100	0.5	OK
MW-31	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-31	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-31	Chloride	100	mg/L		100	1	OK
MW-31	Chloroform	1	ug/L	U	1	1	OK
MW-31	Chloromethane	1	ug/L	U	1	1	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	Fluoride	0.1	mg/L		1	0.1	OK
MW-31	Gross Radium Alpha	0.97	pCi/L	U	1	1	OK
MW-31	Iron	30	ug/L	U	5	30	OK
MW-31	Lead	1	ug/L	U	5	1	OK
MW-31	Magnesium	100	mg/L		100	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	Methylene chloride	1	ug/L	U	1	1	OK
MW-31	Molybdenum	10	ug/L	U	20	10	OK
MW-31	Naphthalene	1	ug/L	U	1	1	OK
MW-31	Nickel	20	ug/L	U	20	20	OK
MW-31	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-31	Potassium	1	mg/L		1	0.5	OK
MW-31	Selenium	5	ug/L		20	5	OK
MW-31	Silver	10	ug/L	U	20	10	OK
MW-31	Sodium	100	mg/L		100	0.5	OK
MW-31	Sulfate	100	mg/L		100	1	OK
MW-31	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-31	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-31	Tin	100	ug/L	U	20	100	OK
MW-31	Toluene	1	ug/L	U	1	1	OK
MW-31	Total Dissolved Solids	20	MG/L		2	10	OK
MW-31	Uranium	0.3	ug/L		2	0.3	OK
MW-31	Vanadium	15	ug/L	U	1	15	OK
MW-31	Xylenes, Total	1	ug/L	U	1	1	OK
MW-31	Zinc	10	ug/L	U	20	10	OK
MW-32	2-Butanone	20	ug/L	U	1	20	OK
MW-32	Acetone	20	ug/L	U	1	20	OK
MW-32	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-32	Arsenic	5	ug/L	U	20	5	OK
MW-32	Benzene	1	ug/L	U	1	1	OK
MW-32	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-32	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-32	Cadmium	0.5	ug/L		20	0.5	OK
MW-32	Calcium	100	mg/L		100	0.5	OK
MW-32	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-32	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-32	Chloride	10	mg/L		10	1	OK
MW-32	Chloroform	1	ug/L	U	1	1	OK
MW-32	Chloromethane	1	ug/L	U	1	1	OK
MW-32	Chromium	25	ug/L	U	20	25	OK
MW-32	Cobalt	10	ug/L		20	10	OK
MW-32	Copper	10	ug/L	U	20	10	OK
MW-32	Fluoride	0.1	mg/L		1	0.1	OK
MW-32	Gross Radium Alpha	0.55	pCi/L		1	1	OK
MW-32	Iron	500	ug/L		100	30	OK
MW-32	Lead	1	ug/L	U	5	1	OK
MW-32	Magnesium	100	mg/L		100	0.5	OK
MW-32	Manganese	10	ug/L		100	10	OK
MW-32	Mercury	0.5	ug/L	U	1	0.5	OK
MW-32	Methylene chloride	1	ug/L	U	1	1	OK
MW-32	Molybdenum	10	ug/L	U	20	10	OK
MW-32	Naphthalene	1	ug/L	U	1	1	OK
MW-32	Nickel	20	ug/L		20	20	OK
MW-32	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-32	Potassium	10	mg/L		10	0.5	OK
MW-32	Selenium	5	ug/L	U	20	5	OK
MW-32	Silver	10	ug/L	U	20	10	OK
MW-32	Sodium	100	mg/L		100	0.5	OK
MW-32	Sulfate	1000	mg/L		1000	1	OK
MW-32	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-32	Thallium	0.5	ug/L	U	5	0.5	OK
MW-32	Tin	100	ug/L	U	20	100	OK
MW-32	Toluene	1	ug/L	U	1	1	OK
MW-32	Total Dissolved Solids	20	MG/L		2	10	OK
MW-32	Uranium	0.3	ug/L		2	0.3	OK
MW-32	Vanadium	15	ug/L	U	1	15	OK
MW-32	Xylenes, Total	1	ug/L	U	1	1	OK
MW-32	Zinc	10	ug/L		20	10	OK
MW-35	2-Butanone	20	ug/L	U	1	20	OK
MW-35	Acetone	20	ug/L	U	1	20	OK
MW-35	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-35	Arsenic	5	ug/L	U	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-35	Benzene	1	ug/L	U	1	1	OK
MW-35	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-35	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-35	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-35	Calcium	100	mg/L		100	0.5	OK
MW-35	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-35	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-35	Chloride	10	mg/L		10	1	OK
MW-35	Chloroform	1	ug/L	U	1	1	OK
MW-35	Chloromethane	1	ug/L	U	1	1	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	Fluoride	0.1	mg/L		1	0.1	OK
MW-35	Gross Radium Alpha	0.956	pCi/L		1	1	OK
MW-35	Iron	30	ug/L		5	30	OK
MW-35	Lead	1	ug/L	U	5	1	OK
MW-35	Magnesium	100	mg/L		100	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	Methylene chloride	1	ug/L	U	1	1	OK
MW-35	Molybdenum	10	ug/L	U	20	10	OK
MW-35	Naphthalene	1	ug/L	U	1	1	OK
MW-35	Nickel	20	ug/L	U	20	20	OK
MW-35	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-35	Potassium	10	mg/L		10	0.5	OK
MW-35	Selenium	5	ug/L		20	5	OK
MW-35	Silver	10	ug/L	U	20	10	OK
MW-35	Sodium	100	mg/L		100	0.5	OK
MW-35	Sulfate	1000	mg/L		1000	1	OK
MW-35	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-35	Thallium	0.5	ug/L	U	5	0.5	OK
MW-35	Tin	100	ug/L	U	20	100	OK
MW-35	Toluene	1	ug/L	U	1	1	OK
MW-35	Total Dissolved Solids	20	MG/L		2	10	OK
MW-35	Uranium	0.3	ug/L		2	0.3	OK
MW-35	Vanadium	15	ug/L	U	1	15	OK
MW-35	Xylenes, Total	1	ug/L	U	1	1	OK
MW-35	Zinc	10	ug/L	U	20	10	OK
MW-36	2-Butanone	20	ug/L	U	1	20	OK
MW-36	Acetone	20	ug/L	U	1	20	OK
MW-36	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-36	Arsenic	5	ug/L	U	20	5	OK
MW-36	Benzene	1	ug/L	U	1	1	OK
MW-36	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-36	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-36	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-36	Calcium	100	mg/L		100	0.5	OK
MW-36	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-36	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-36	Chloride	10	mg/L		10	1	OK
MW-36	Chloroform	1	ug/L	U	1	1	OK
MW-36	Chloromethane	1	ug/L	U	1	1	OK
MW-36	Chromium	25	ug/L	U	20	25	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-36	Cobalt	10	ug/L	U	20	10	OK
MW-36	Copper	10	ug/L	U	20	10	OK
MW-36	Fluoride	0.1	mg/L		1	0.1	OK
MW-36	Gross Radium Alpha	0.62	pCi/L	U	1	1	OK
MW-36	Iron	30	ug/L	U	5	30	OK
MW-36	Lead	1	ug/L	U	5	1	OK
MW-36	Magnesium	100	mg/L		100	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
MW-36	Methylene chloride	1	ug/L	U	1	1	OK
MW-36	Molybdenum	10	ug/L	U	20	10	OK
MW-36	Naphthalene	1	ug/L	U	1	1	OK
MW-36	Nickel	20	ug/L	U	20	20	OK
MW-36	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-36	Potassium	10	mg/L		10	0.5	OK
MW-36	Selenium	5	ug/L		20	5	OK
MW-36	Silver	10	ug/L	U	20	10	OK
MW-36	Sodium	100	mg/L		100	0.5	OK
MW-36	Sulfate	1000	mg/L		1000	1	OK
MW-36	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-36	Thallium	0.5	ug/L		5	0.5	OK
MW-36	Tin	100	ug/L	U	20	100	OK
MW-36	Toluene	1	ug/L	U	1	1	OK
MW-36	Total Dissolved Solids	20	MG/L		2	10	OK
MW-36	Uranium	0.3	ug/L		2	0.3	OK
MW-36	Vanadium	15	ug/L	U	1	15	OK
MW-36	Xylenes, Total	1	ug/L	U	1	1	OK
MW-36	Zinc	10	ug/L	U	20	10	OK
MW-37	2-Butanone	20	ug/L	U	1	20	OK
MW-37	Acetone	20	ug/L	U	1	20	OK
MW-37	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-37	Arsenic	5	ug/L	U	20	5	OK
MW-37	Benzene	1	ug/L	U	1	1	OK
MW-37	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-37	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-37	Cadmium	0.5	ug/L		20	0.5	OK
MW-37	Calcium	100	mg/L		100	0.5	OK
MW-37	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-37	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-37	Chloride	10	mg/L		10	1	OK
MW-37	Chloroform	1	ug/L	U	1	1	OK
MW-37	Chloromethane	1	ug/L	U	1	1	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	Fluoride	0.1	mg/L		1	0.1	OK
MW-37	Gross Radium Alpha	0.632	pCi/L		1	1	OK
MW-37	Iron	30	ug/L	U	5	30	OK
MW-37	Lead	1	ug/L	U	5	1	OK
MW-37	Magnesium	100	mg/L		100	0.5	OK
MW-37	Manganese	10	ug/L		20	10	OK
MW-37	Mercury	0.5	ug/L	U	1	0.5	OK
MW-37	Methylene chloride	1	ug/L	U	1	1	OK
MW-37	Molybdenum	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-37	Naphthalene	1	ug/L	U	1	1	OK
MW-37	Nickel	20	ug/L	U	20	20	OK
MW-37	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-37	Potassium	1	mg/L		1	0.5	OK
MW-37	Selenium	5	ug/L		20	5	OK
MW-37	Silver	10	ug/L	U	20	10	OK
MW-37	Sodium	100	mg/L		100	0.5	OK
MW-37	Sulfate	1000	mg/L		1000	1	OK
MW-37	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-37	Thallium	0.5	ug/L		5	0.5	OK
MW-37	Tin	100	ug/L	U	20	100	OK
MW-37	Toluene	1	ug/L	U	1	1	OK
MW-37	Total Dissolved Solids	20	MG/L		2	10	OK
MW-37	Uranium	0.3	ug/L		2	0.3	OK
MW-37	Vanadium	15	ug/L	U	1	15	OK
MW-37	Xylenes, Total	1	ug/L	U	1	1	OK
MW-37	Zinc	10	ug/L		20	10	OK
MW-65	2-Butanone	20	ug/L	U	1	20	OK
MW-65	Acetone	20	ug/L	U	1	20	OK
MW-65	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-65	Arsenic	5	ug/L	U	20	5	OK
MW-65	Benzene	1	ug/L	U	1	1	OK
MW-65	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-65	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-65	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-65	Calcium	100	mg/L		100	0.5	OK
MW-65	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-65	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-65	Chloride	10	mg/L		10	1	OK
MW-65	Chloroform	1	ug/L	U	1	1	OK
MW-65	Chloromethane	1	ug/L	U	1	1	OK
MW-65	Chromium	25	ug/L	U	20	25	OK
MW-65	Cobalt	10	ug/L	U	20	10	OK
MW-65	Copper	10	ug/L	U	20	10	OK
MW-65	Fluoride	0.1	mg/L		1	0.1	OK
MW-65	Gross Radium Alpha	0.966	pCi/L	U	1	1	OK
MW-65	Iron	30	ug/L	U	5	30	OK
MW-65	Lead	1	ug/L	U	5	1	OK
MW-65	Magnesium	100	mg/L		100	0.5	OK
MW-65	Manganese	10	ug/L	U	20	10	OK
MW-65	Mercury	0.5	ug/L	U	1	0.5	OK
MW-65	Methylene chloride	1	ug/L	U	1	1	OK
MW-65	Molybdenum	10	ug/L	U	20	10	OK
MW-65	Naphthalene	1	ug/L	U	1	1	OK
MW-65	Nickel	20	ug/L	U	20	20	OK
MW-65	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-65	Potassium	2	mg/L		2	0.5	OK
MW-65	Selenium	5	ug/L		20	5	OK
MW-65	Silver	10	ug/L	U	20	10	OK
MW-65	Sodium	100	mg/L		100	0.5	OK
MW-65	Sulfate	1000	mg/L		1000	1	OK
MW-65	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-65	Thallium	0.5	ug/L	U	5	0.5	OK
MW-65	Tin	100	ug/L	U	20	100	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-65	Toluene	1	ug/L	U	1	1	OK
MW-65	Total Dissolved Solids	20	MG/L		2	10	OK
MW-65	Uranium	0.3	ug/L		2	0.3	OK
MW-65	Vanadium	15	ug/L	U	2	15	OK
MW-65	Xylenes, Total	1	ug/L	U	1	1	OK
MW-65	Zinc	10	ug/L	U	20	10	OK
MW-70	2-Butanone	20	ug/L	U	1	20	OK
MW-70	Acetone	20	ug/L	U	1	20	OK
MW-70	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-70	Arsenic	5	ug/L	U	20	5	OK
MW-70	Benzene	1	ug/L	U	1	1	OK
MW-70	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-70	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-70	Cadmium	0.5	ug/L		20	0.5	OK
MW-70	Calcium	100	mg/L		100	0.5	OK
MW-70	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-70	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-70	Chloride	10	mg/L		10	1	OK
MW-70	Chloroform	1	ug/L	U	1	1	OK
MW-70	Chloromethane	1	ug/L	U	1	1	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	Fluoride	0.1	mg/L		1	0.1	OK
MW-70	Gross Radium Alpha	0.972	pCi/L	U	1	1	OK
MW-70	Iron	30	ug/L	U	5	30	OK
MW-70	Lead	1	ug/L	U	5	1	OK
MW-70	Magnesium	100	mg/L		100	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	Methylene chloride	1	ug/L	U	1	1	OK
MW-70	Molybdenum	10	ug/L	U	20	10	OK
MW-70	Naphthalene	1	ug/L	U	1	1	OK
MW-70	Nickel	20	ug/L	U	20	20	OK
MW-70	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-70	Potassium	10	mg/L		10	0.5	OK
MW-70	Selenium	5	ug/L	U	20	5	OK
MW-70	Silver	10	ug/L	U	20	10	OK
MW-70	Sodium	100	mg/L		100	0.5	OK
MW-70	Sulfate	1000	mg/L		1000	1	OK
MW-70	Tetrahydrofuran	1	ug/L	U	1	1	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	Toluene	1	ug/L	U	1	1	OK
MW-70	Total Dissolved Solids	50	MG/L		5	10	OK
MW-70	Uranium	0.3	ug/L		2	0.3	OK
MW-70	Vanadium	15	ug/L	U	1	15	OK
MW-70	Xylenes, Total	1	ug/L	U	1	1	OK
MW-70	Zinc	10	ug/L		20	10	OK

G-5B Accelerated Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
Trip Blank	Toluene	1	ug/L	U	1	1	OK
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	1	OK
Trip Blank	Xylenes, Total	1	ug/L	U	1	1	OK
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Acetone	20	ug/L	U	1	20	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Benzene	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	2-Butanone	20	ug/L	U	1	20	OK
Trip Blank	Naphthalene	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	2	ug/L		20	10	OK
MW-11	Manganese	10	ug/L		20	10	OK
MW-25	Chloride	10	mg/L		10	1	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	Chloride	10	mg/L		10	1	OK
MW-25	Cadmium	0.5	ug/L		20	0.5	OK
MW-25	Uranium	0.3	ug/L		2	0.3	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	Chloride	1	mg/L		10	1	OK
MW-26	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-26	Acetone	20	ug/L	U	1	20	OK
MW-26	Naphthalene	1	ug/L	U	1	1	OK
MW-26	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-26	Chloroform	100	ug/L		100	1	OK
MW-26	Benzene	1	ug/L	U	1	1	OK
MW-26	Chloromethane	1	ug/L	U	1	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	2-Butanone	20	ug/L	U	1	20	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)	0.1	mg/L		10	0.1	OK
MW-30	Chloride	100	mg/L		100	1	OK
MW-30	Fluoride	0.1	mg/L		1	0.1	OK
MW-30	Uranium	0.3	ug/L		2	0.3	OK
MW-30	Selenium	5	ug/L		20	5	OK
MW-30	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-30	Chloride	100	mg/L		100	1	OK
MW-30	Fluoride	0.1	mg/L		1	0.1	OK
MW-30	Uranium	0.3	ug/L		2	0.3	OK
MW-30	Selenium	5	ug/L		20	5	OK
MW-30	Nitrate/Nitrite (as N)	0.1	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)	0.2	mg/L		20	0.1	OK

G-5B Accelerated Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
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)	0.2	mg/L		20	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	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-65	Manganese	10	ug/L		20	10	OK
MW-65	Thallium	0.5	ug/L	U	5	0.5	OK
MW-65	Uranium	0.3	ug/L		2	0.3	OK
MW-65	Selenium	5	ug/L		20	5	OK
MW-65	Gross Radium Alpha	1	pCi/L		1	1	OK
MW-65	Chloride	10	mg/L		10	1	OK
MW-65	Fluoride	0.1	mg/L		1	0.1	OK
MW-65	Uranium	0.3	ug/L		2	0.3	OK
MW-65	Selenium	5	ug/L		20	5	OK
MW-65	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK

G-6A: Trip Blank Evaluation

All trip blanks for the Quarter were non detect.

Blank	Sample Date	Laboratory
AWAL 1604494	4/19/2016	American West Analytical Laboratories
AWAL 1604654	4/26/2016	American West Analytical Laboratories
AWAL 1605152	5/3/2016	American West Analytical Laboratories
AWAL 1605438	5/18/2016	American West Analytical Laboratories

G-6B: Trip Blank Evaluation

All trip blanks for the Accelerated samples were non detect.

Blank	Sample Date	Laboratory
AWAL 1604331	4/13/2016	American West Analytical Laboratories
AWAL 1606373	6/15/2016	American West Analytical Laboratories

G-7A: QA/QC Evaluation for Routine Sample Duplicates

Constituent	MW-15 4/27/16	MW-65 4/27/16	%RPD
Bicarbonate as HCO ₃ (mg/L)	360	354	1.68
Calcium (mg/L)	459	444	3.32
Chloride (mg/L)	39.1	39.0	0.26
Fluoride (mg/L)	0.162	0.165	1.83
Magnesium (mg/L)	163	161	1.23
Nitrate + Nitrite (as N) (mg/L)	0.188	0.180	4.35
Potassium (mg/L)	10.1	10.0	1.00
Selenium (mg/L)	0.126	0.124	1.60
Sodium (mg/L)	491	479	2.47
Sulfate (mg/L)	2390	2390	0.00
TDS (mg/L)	3690	3600	2.47
Uranium (mg/L)	0.0423	0.0439	3.71
Constituent	MW-14 5/4/16	MW-70 5/4/16	%RPD
Cadmium (mg/L)	0.00139	0.0013	6.69
Calcium (mg/L)	523	505	3.50
Magnesium (mg/L)	159	153	3.85
Manganese (mg/L)	2.00	1.94	3.05
Potassium (mg/L)	12.0	12.0	0.00
Sodium (mg/L)	358	344	3.99
Uranium (mg/L)	0.0601	0.063	4.71
Zinc (mg/L)	0.0126	0.0115	9.13

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.

RPD exceeds the QAP limit of 20%.

G-7B: QA/QC Evaluation for Accelerated Sample Duplicates

Constituent	MW-35 4/12/2016	MW-65 4/12/2016	%RPD*
Manganese (mg/L)	213	213	0.00
Selenium (mg/L)	9.20	9.23	0.33
Thallium (mg/L)	<0.0005	<0.0005	N/A
Uranium (mg/L)	19.9	20.0	0.50
Radiologic RPD Tests*			
Gross Alpha minus Rn & U	3.65	4.40	1.739
Gross Alpha minus Rn & U Precision (±)	0.300	0.310	
Constituent	MW-30 6/14/16	MW-65 6/14/16	%RPD*
Nitrate/Nitrite (as N) (mg/L)	18.5	19.1	3.19
Selenium	41.8	41.5	0.72
Uranium (mg/L)	7.66	7.68	0.26
Chloride (mg/L)	142	164	14.38
Fluoride (Mg/L)	0.364	0.366	0.55

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.

RPD exceeds the QAP limit of 20%.

G-8A: Radiologics Counting Error

Well	Sample Date	Gross Alpha minus Rn & U	Gross Alpha minus Rn and U Precision (+/-)	Counting Error \leq 20%	GWCL	Within GWCL?
MW-01	4/20/2016	1.0 U	0.168	NC	3.75	NC
MW-02	4/26/2016	1.0 U	0.303	NC	3.2	NC
MW-03	4/26/2016	1.0 U	0.173	NC	1	NC
MW-03A	4/27/2016	1.0 U	0.315	NC	7.5	NC
MW-05	4/21/2016	1.0 U	0.134	NC	3.75	NC
MW-11	5/3/2016	1.0 U	0.286	NC	3.75	NC
MW-12	4/21/2016	1.0 U	0.162	NC	7.5	NC
MW-14	5/4/2016	1.0 U	0.253	NC	7.5	NC
MW-15	4/27/2016	1.0 U	0.259	NC	7.5	NC
MW-17	4/26/2016	1.0 U	0.294	NC	2.8	NC
MW-18	4/19/2016	1.0 U	0.176	NC	7.5	NC
MW-19	4/19/2016	1.0 U	0.230	NC	2.36	NC
MW-20	5/18/2016	1.0 U	0.272	NC	-	-
MW-22	4/26/2016	5.09	0.565	Y	-	-
MW-23	5/18/2016	1.0 U	0.335	NC	2.86	NC
MW-24	4/28/2016	1.0 U	0.340	NC	7.5	NC
MW-25	5/3/2016	1.0 U	0.243	NC	7.5	NC
MW-26	5/4/2016	2.24	0.413	Y	4.69	Y
MW-27	4/20/2016	1.0 U	0.176	NC	2	NC
MW-28	4/20/2016	1.0 U	0.202	NC	2.42	NC
MW-29	4/27/2016	1.0 U	0.259	NC	2	NC
MW-30	5/4/2016	1.0 U	0.336	NC	3.75	NC
MW-31	5/3/2016	1.0 U	0.288	NC	7.5	NC
MW-32	4/20/2016	2.18	0.248	Y	3.33	Y
MW-35	5/3/2016	3.22	0.460	Y	3.75	Y
MW-36	4/20/2016	1.0 U	0.186	NC	-	-
MW-37	5/18/2016	1.02	0.274	N	-	-
MW-65	4/27/2016	1.0 U	0.262	NC	-	-
MW-70	5/4/2016	1.0 U	0.254	NC	-	-

N/A = the counting error is less than 20% of the activity as required by the GWDP and/or 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 \leq 20%	GWCL	Within GWCL?
MW-35	4/12/2016	3.65	0.300	Y	3.75	N/A
MW-65	4/12/2016	4.4	0.310	Y	3.75	N/A
MW-35	7/15/2016	5.39	0.546	Y	3.75	N/A

N/A - the counting error is less than 20% of the activity as required by the GWDP and/or 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-9A: Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD	RPD Range
1604494	MW-36	Magnesium*	NC	NC	70-130	NC	20
1604494	MW-36	Calcium*	NC	NC	70-130	NC	20
1604494	MW-36	Sodium *	NC	NC	70-130	NC	10
1604494	MW-01	Ammonia	116	115	90-110	1.19	10
1604654	MW-02	Calcium*	-66.2	38.4	70-130	3.15	20
1604654	MW-02	Sodium *	-147	34.9	70-130	3.56	20
1604654	MW-02	Magnesium*	52.8	93.9	70-130	0.503	20
1605152	MW-11	Sodium *	-112	-139	70-130	0.45	20
1605438	MW-20	Calcium*	39.2	89.6	70-130	1.45	20
1605438	MW-20	Sodium *	-100	96.2	70-130	1.65	20
1605438	MW-20	Ammonia	87.1	87.4	90-110	0.409	10
396449	MW-03	Gross Alpha	40.6	49	75-125	18.6	20

N/A = QC was not performed on an EFRI sample.

* Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike amount

LCS % Recovery Comparison

All LCS recoveries were within laboratory established acceptance limits.

Laboratory Duplicate % Recovery Comparison

Lab Report	Well	Analyte	Sample Result (mg/L)	Lab Duplicate Result (mg/L)	RPD %	RPD Range %
1604494	MW-01	TDS	1420	1540	8.37	5
1604494	MW-27	TDS	7780	8400	7.66	5

N/A = QC was not performed on an EFRI sample.

G-9B: Accelerated Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS % REC	MSD % REC	REC Range	RPD %	RPD Range %
1604331 - April Accelerated	MW-26	Nitrate	119	111	90-110	6.74	10

* Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike amount

N/A = QC was not performed on an EFRI sample.

LCS % Recovery Comparison

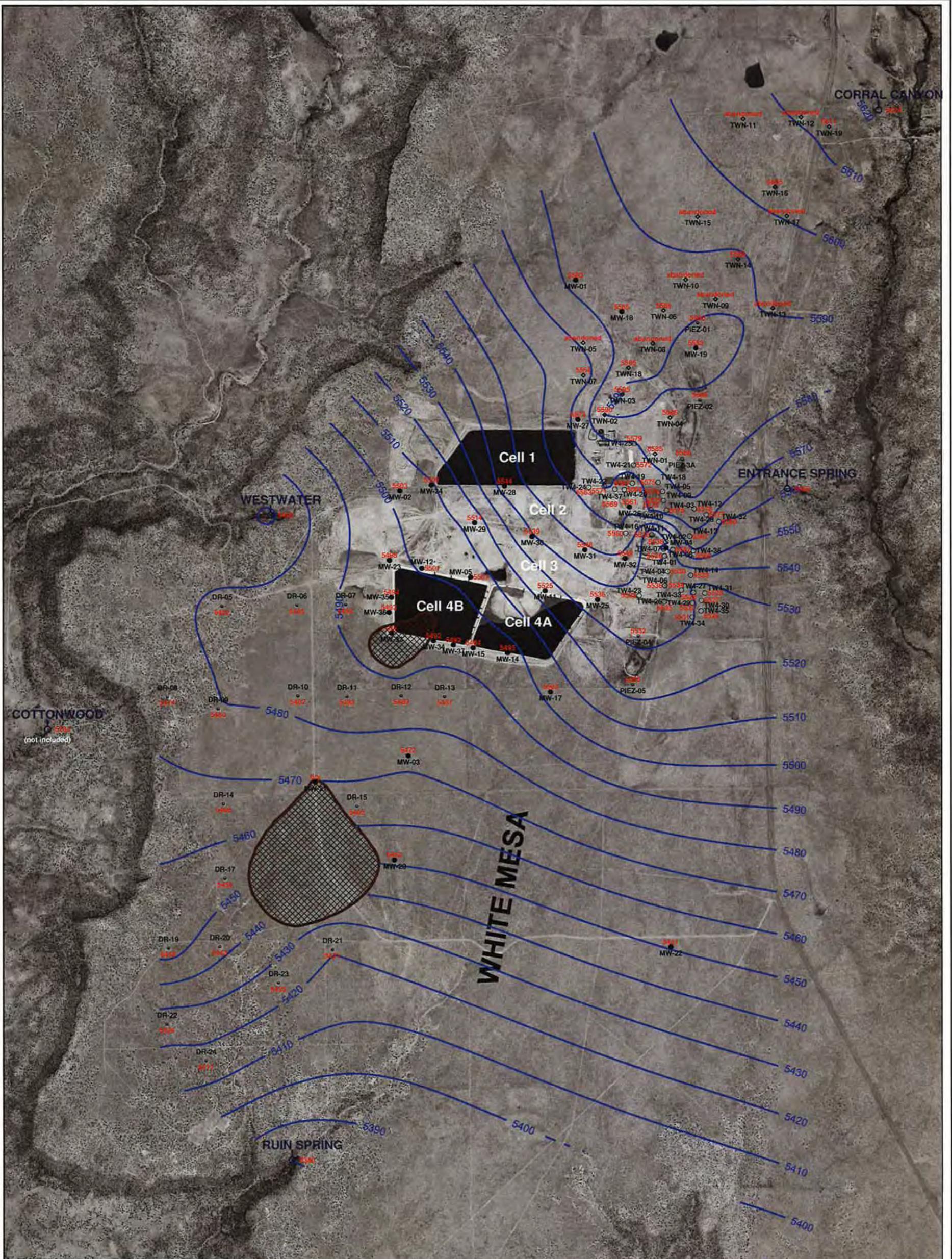
All LCS recoveries were within labroatory established acceptance limits.

Method Blank Results

The method blanks were non-detect.

Tab H

Kriged Current Quarterly Groundwater Contour Map



EXPLANATION

-  estimated dry area
-  **PIEZ-3A** May, 2016 replacement of perched piezometer Piez-03 showing elevation in feet amsl
-  **MW-5** perched monitoring well showing elevation in feet amsl
-  **TW4-12** temporary perched monitoring well showing elevation in feet amsl
-  **TWN-7** temporary perched nitrate monitoring well showing elevation in feet amsl
-  **PIEZ-1** perched piezometer showing elevation in feet amsl
-  **RUIN SPRING** 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



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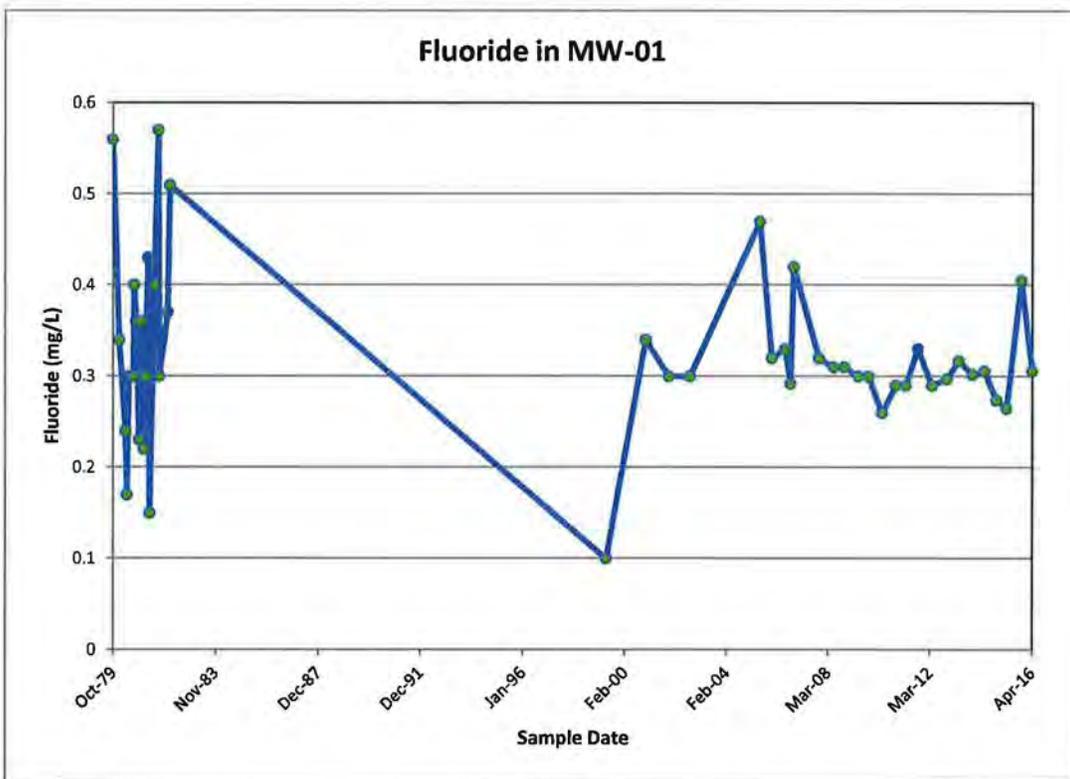
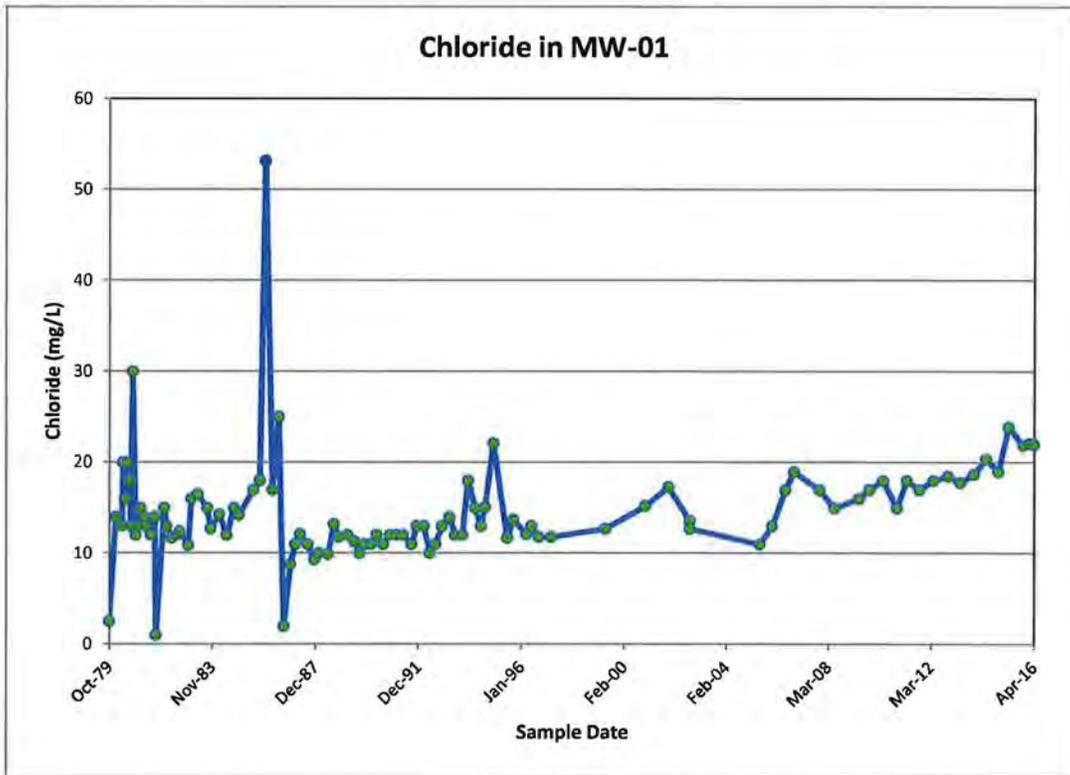
**KRIGED 2nd QUARTER, 2016 WATER LEVELS
WHITE MESA SITE**

APPROVED	DATE	REFERENCE	FIGURE
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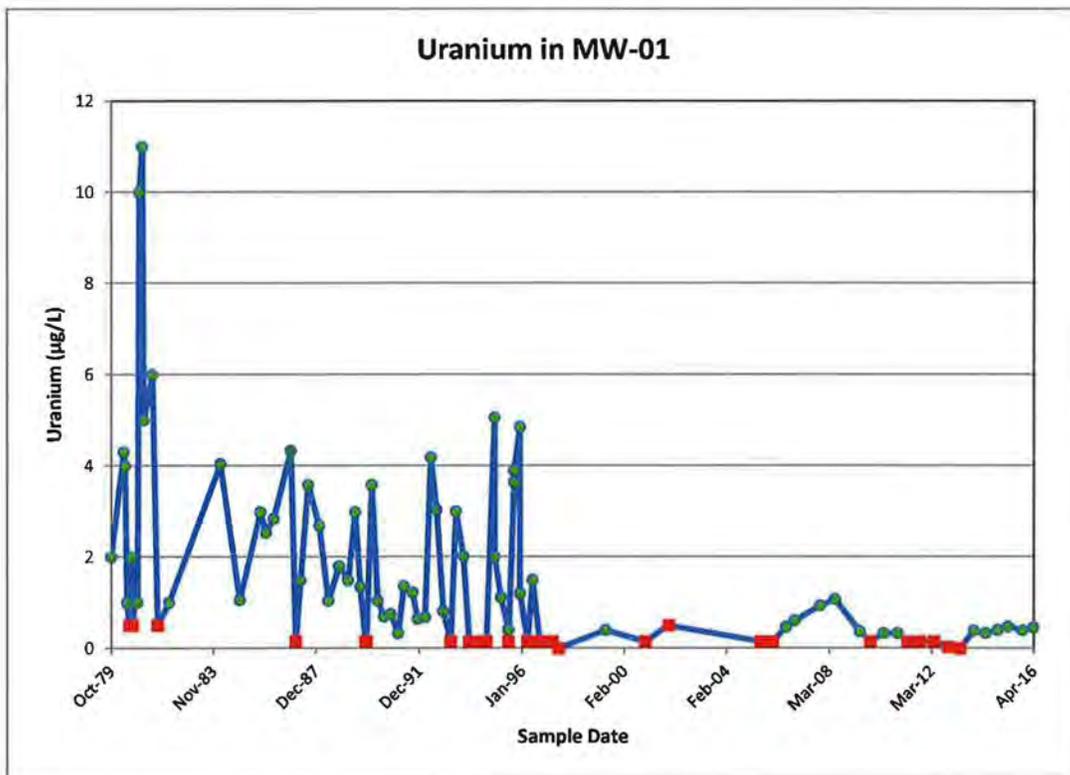
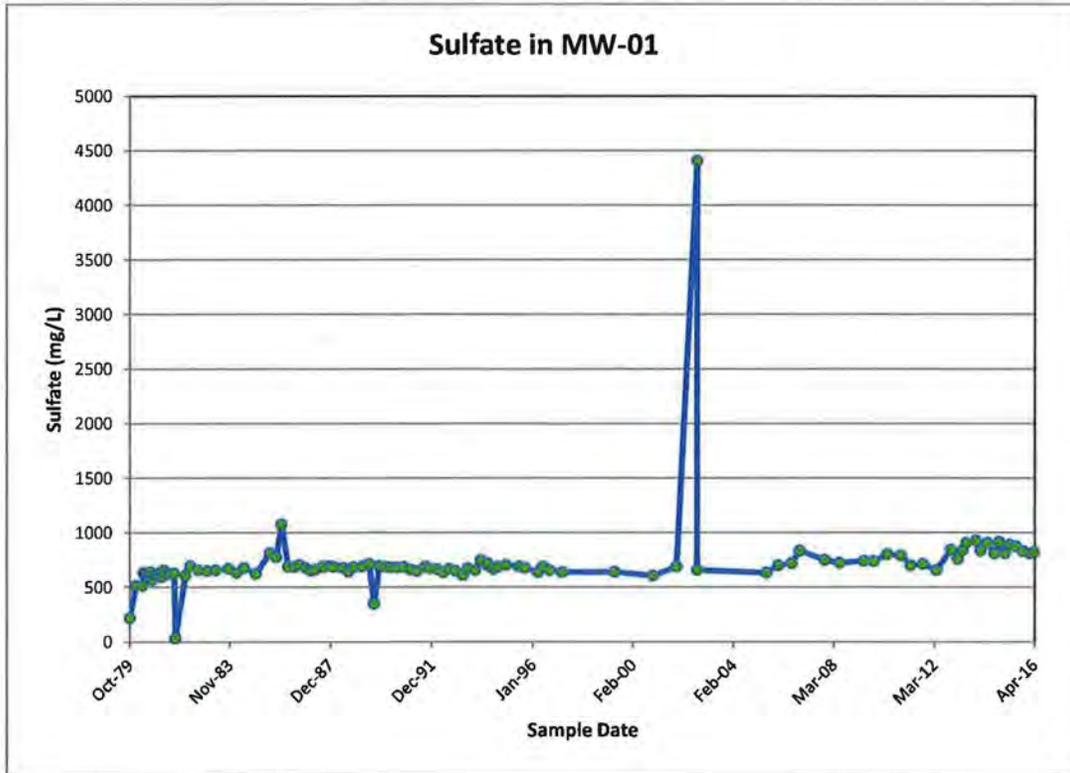
Tab I

Groundwater Time Concentration Plots

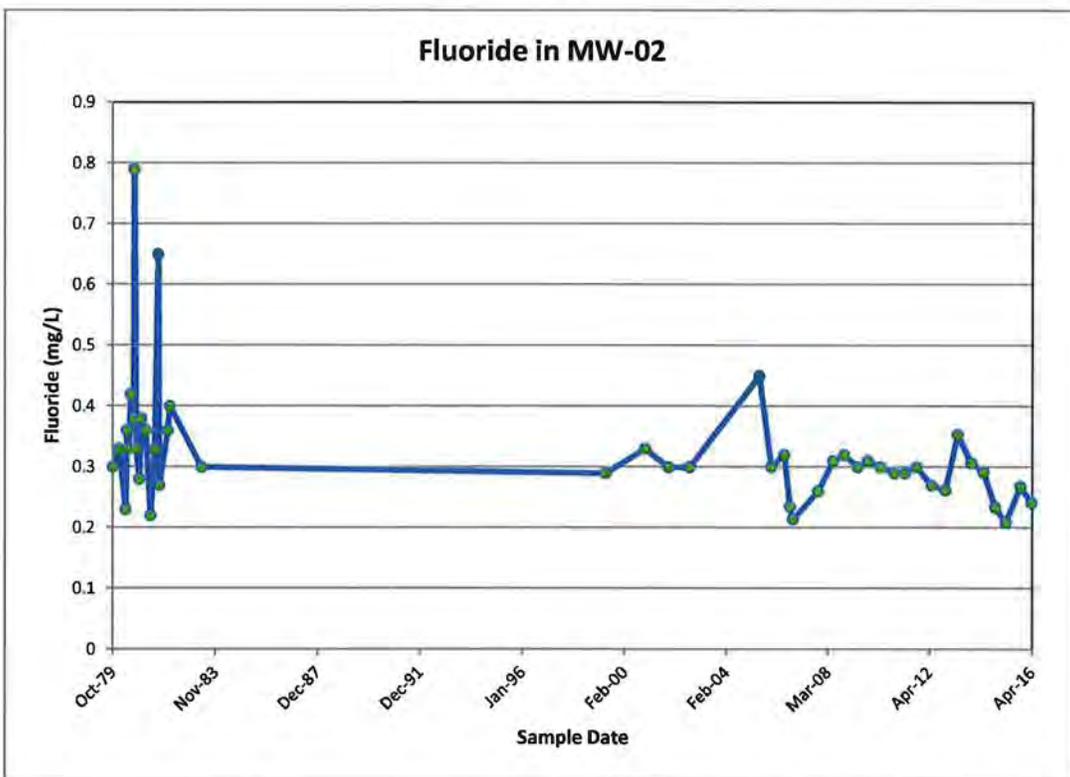
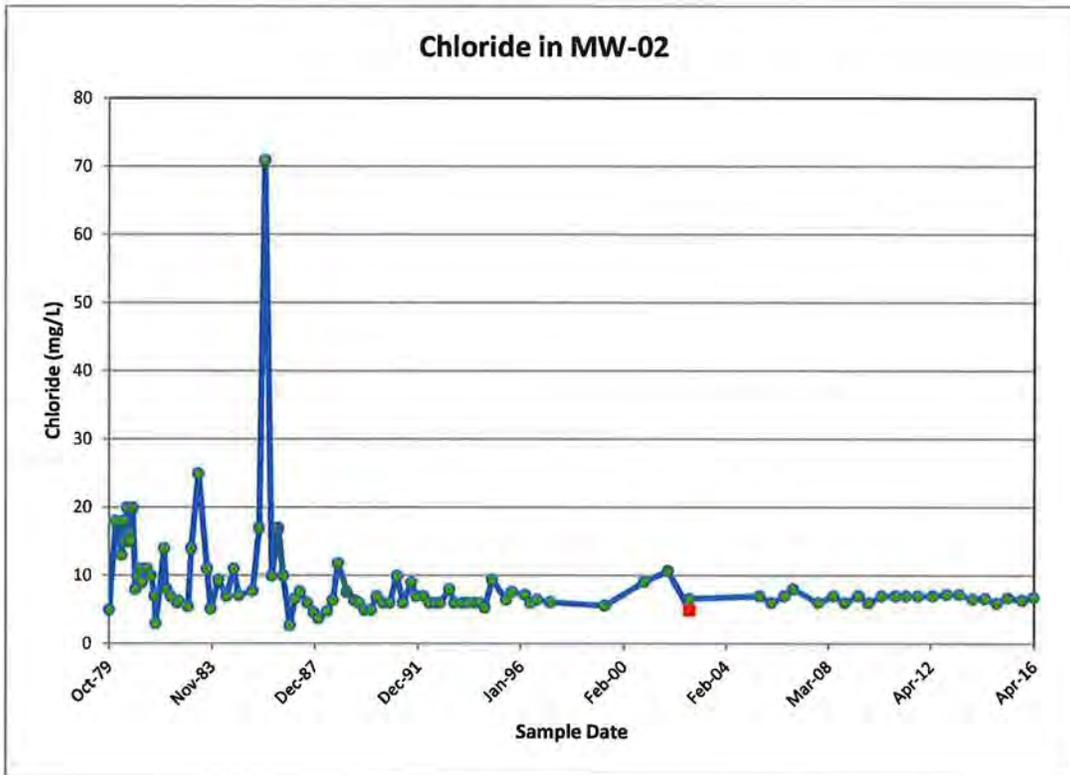
Time concentration plots for MW-01



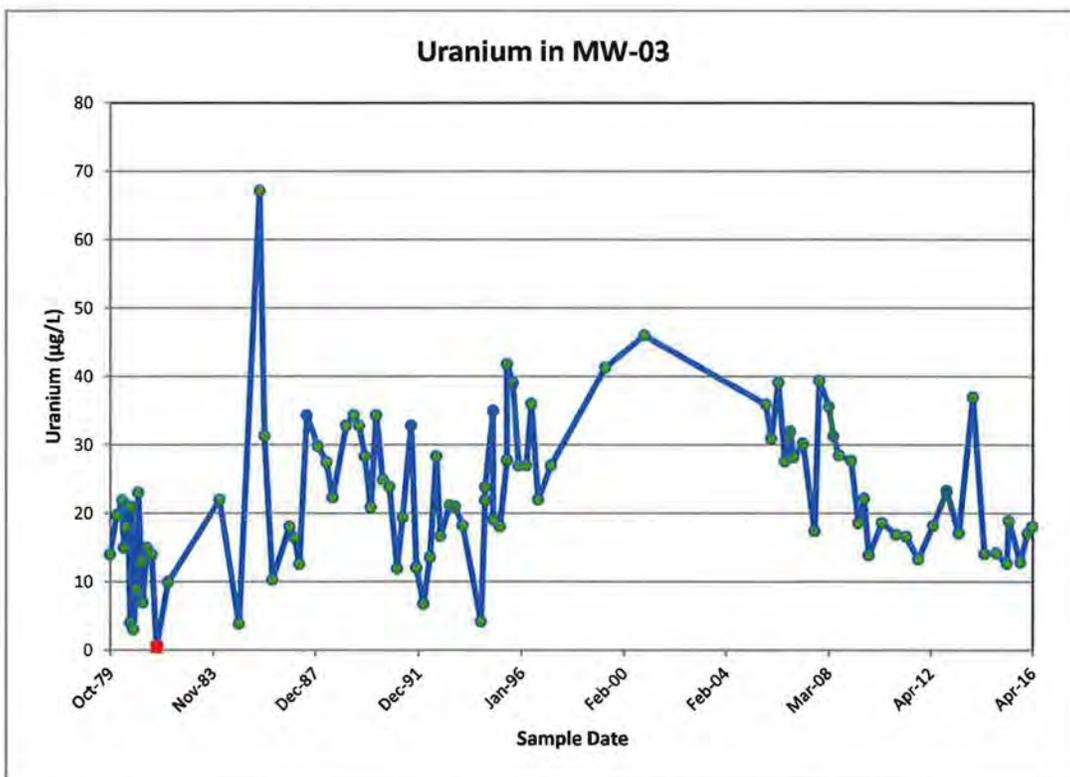
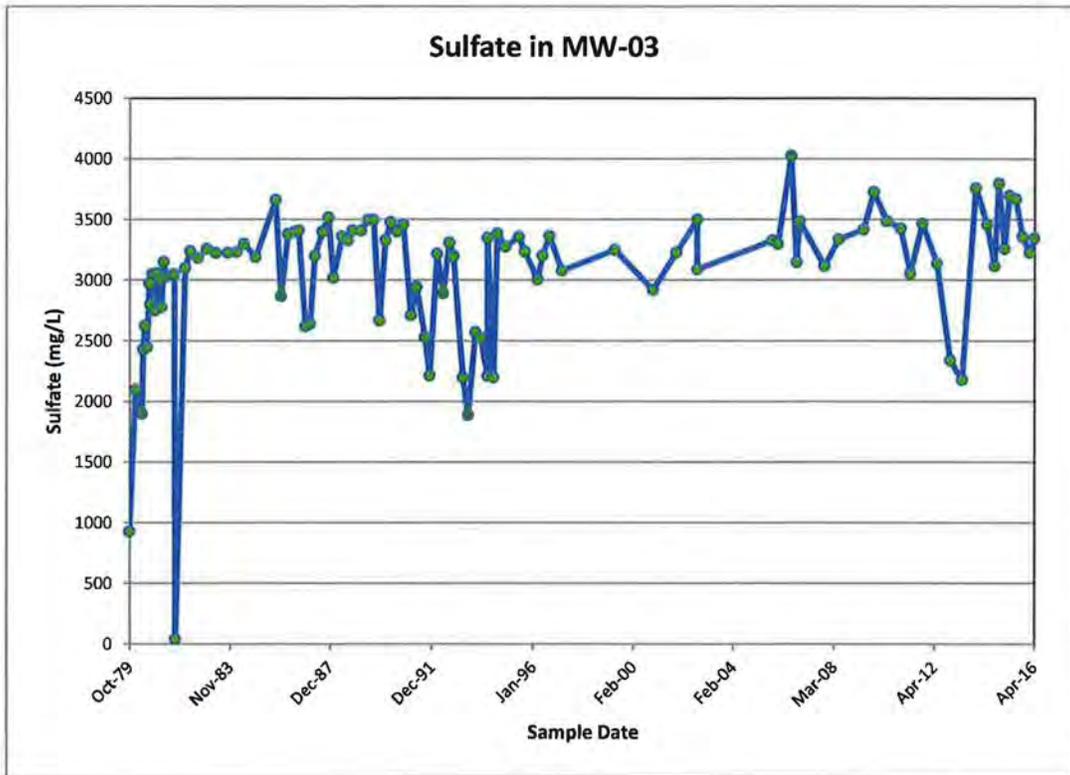
Time concentration plots for MW-01



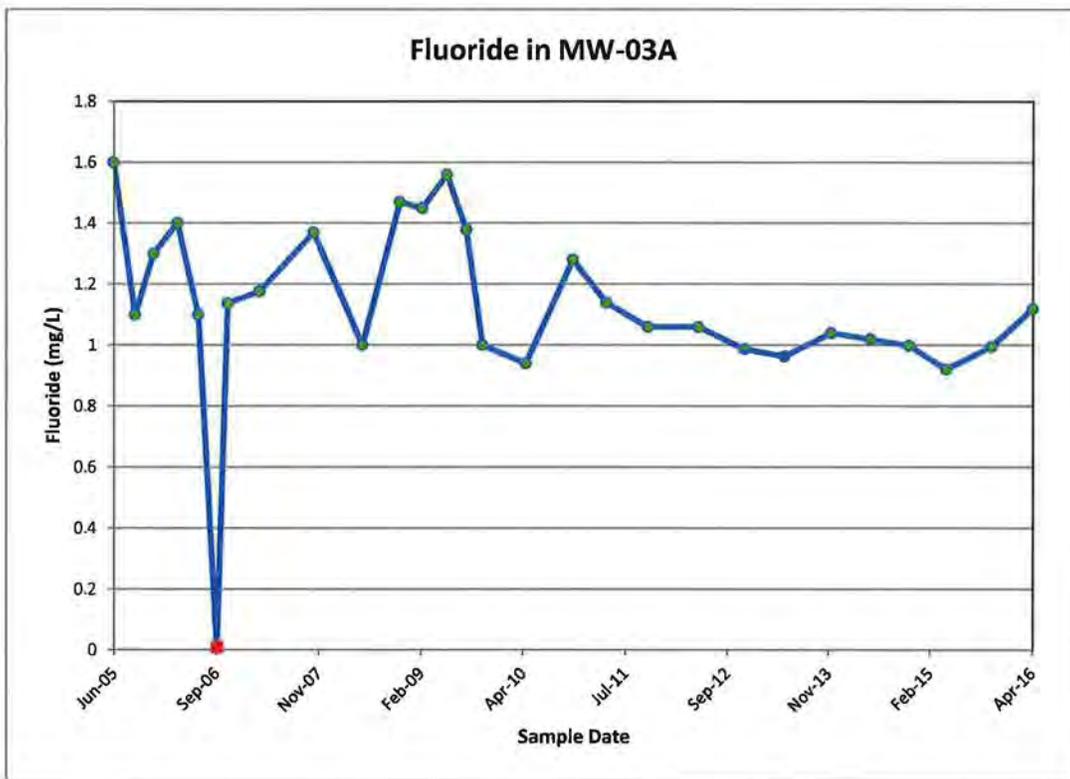
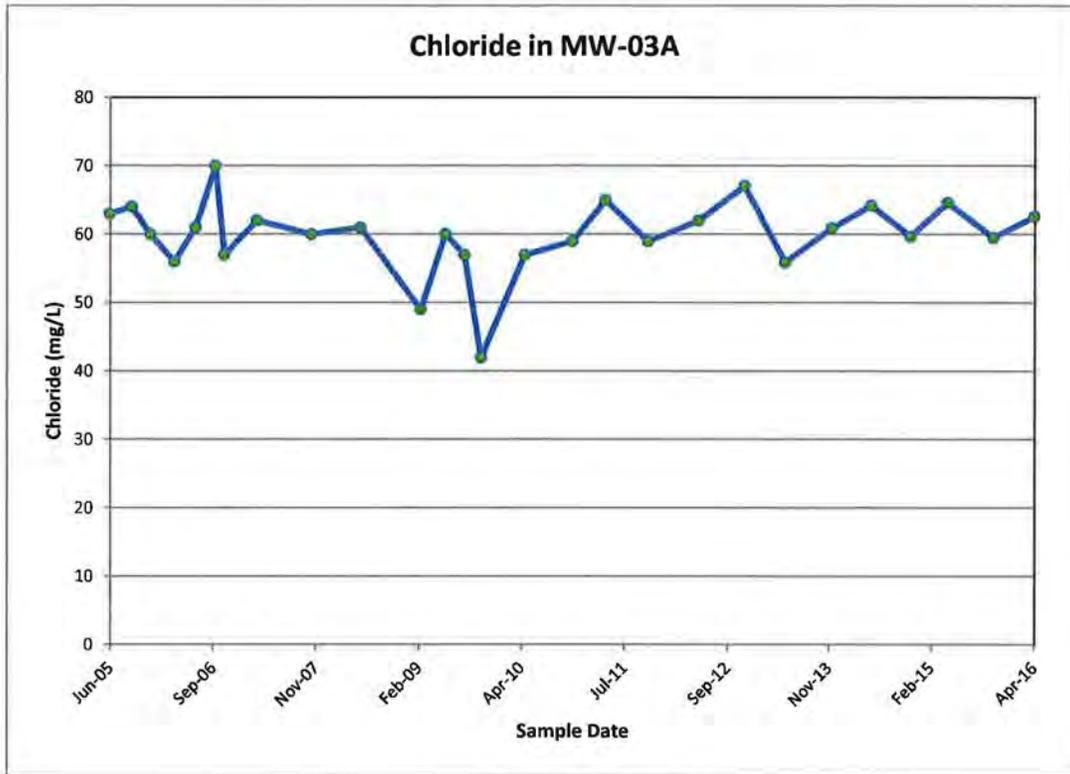
Time concentration plots for MW-02



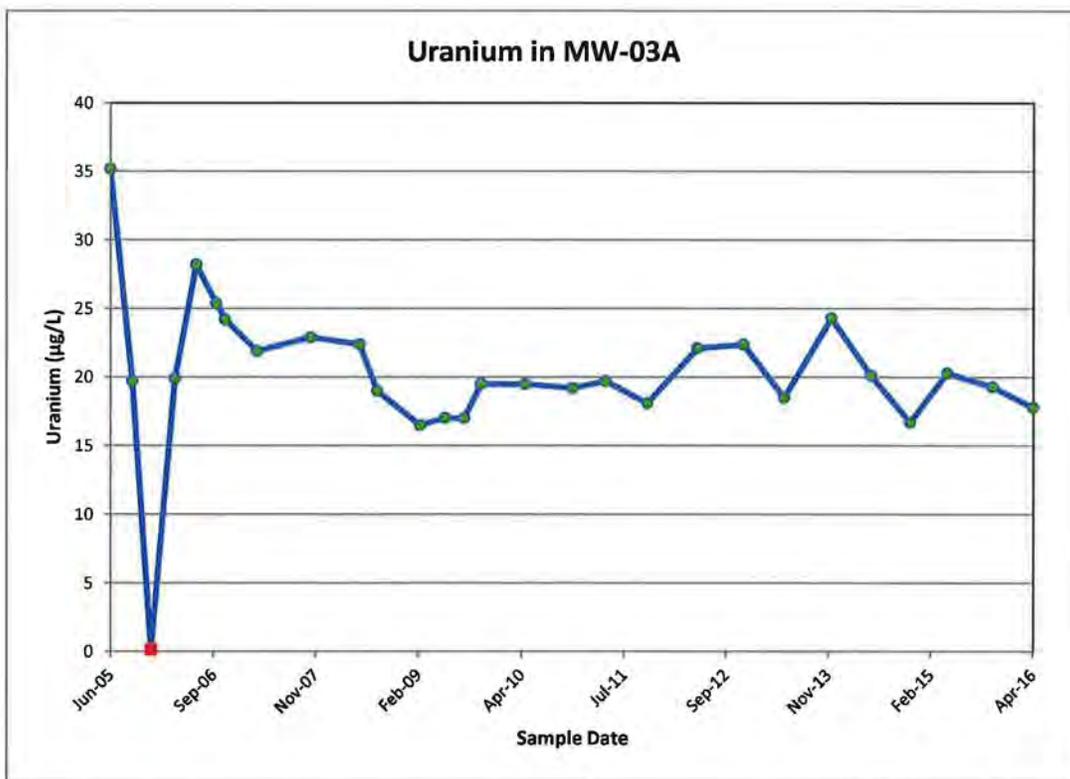
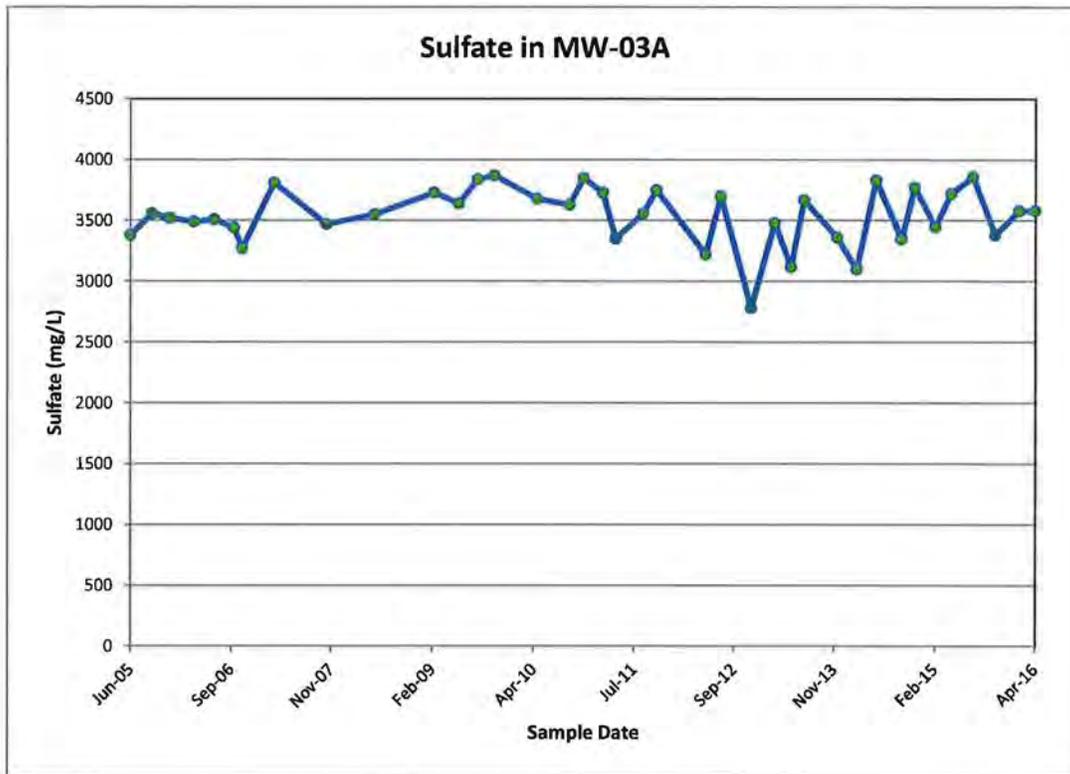
Time concentration plots for MW-03



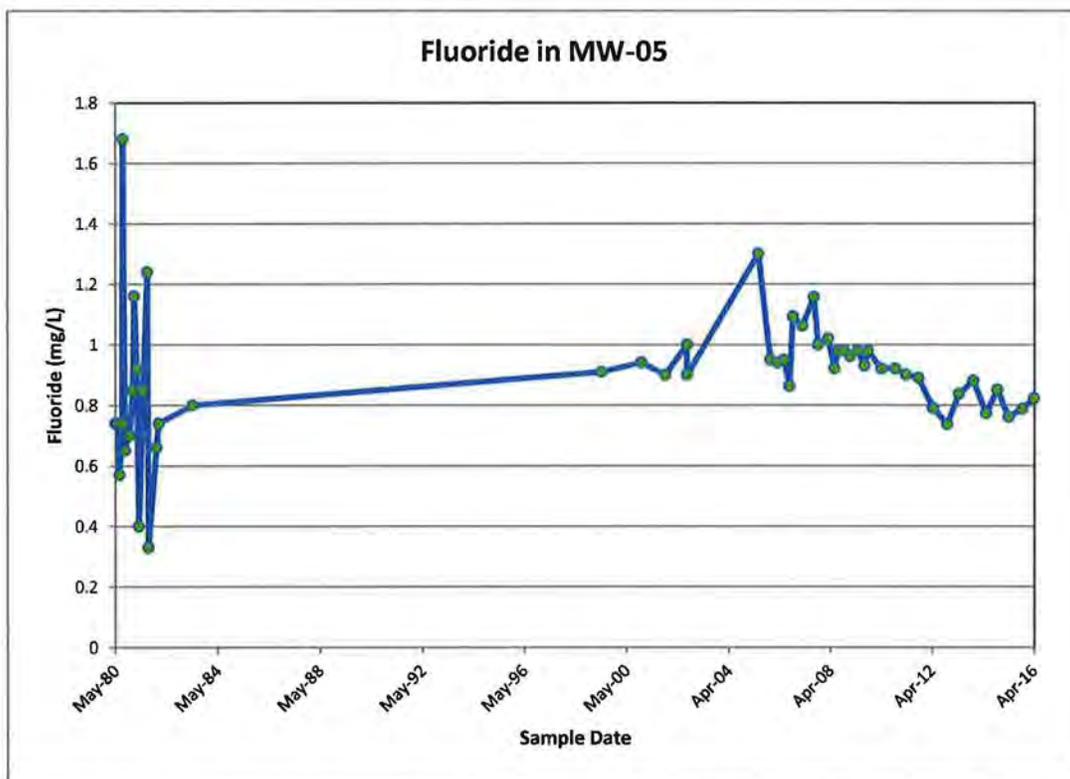
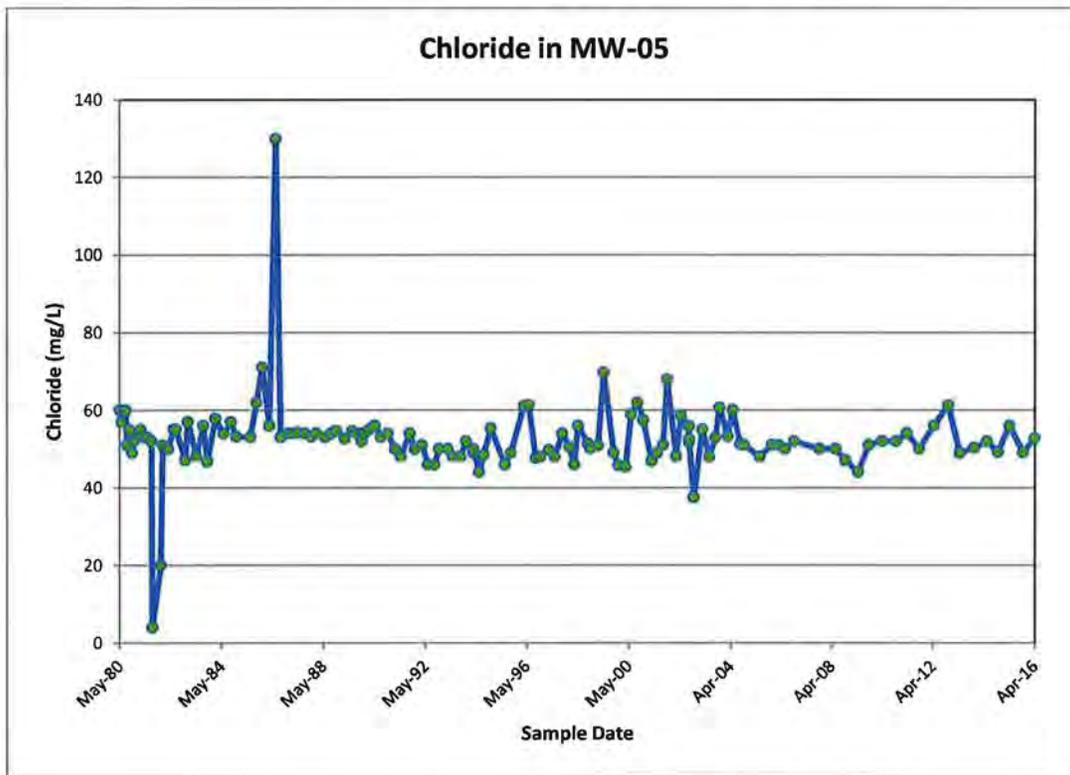
Time concentration plots for MW-03A



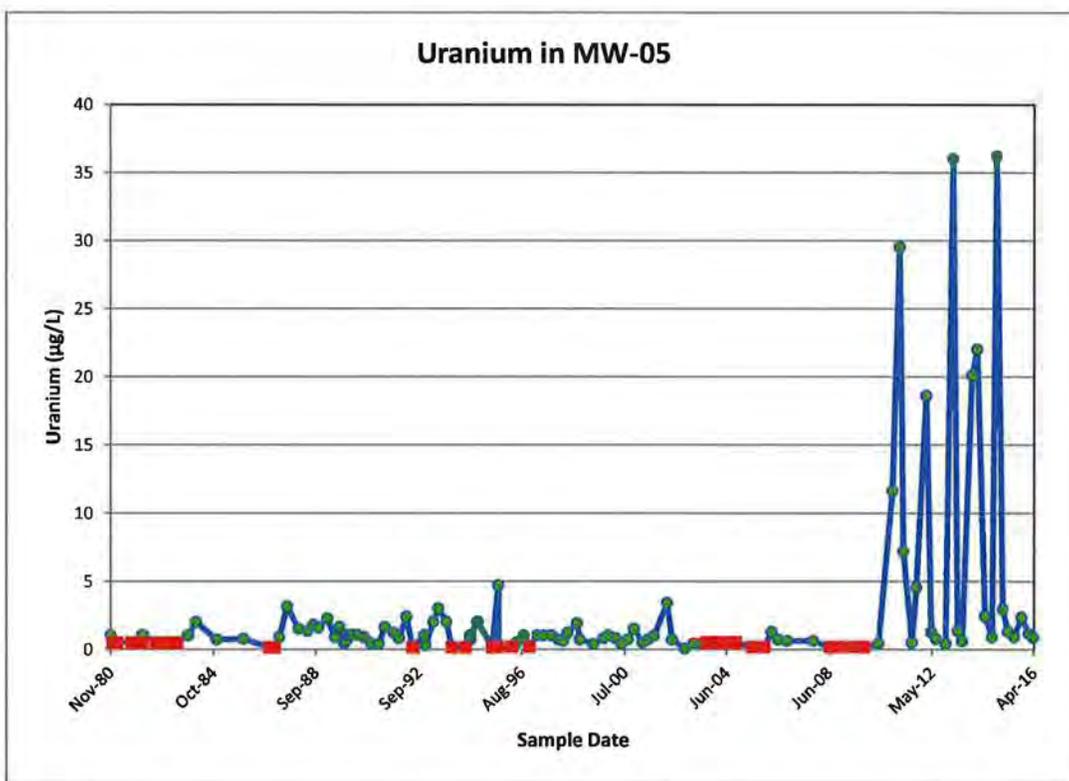
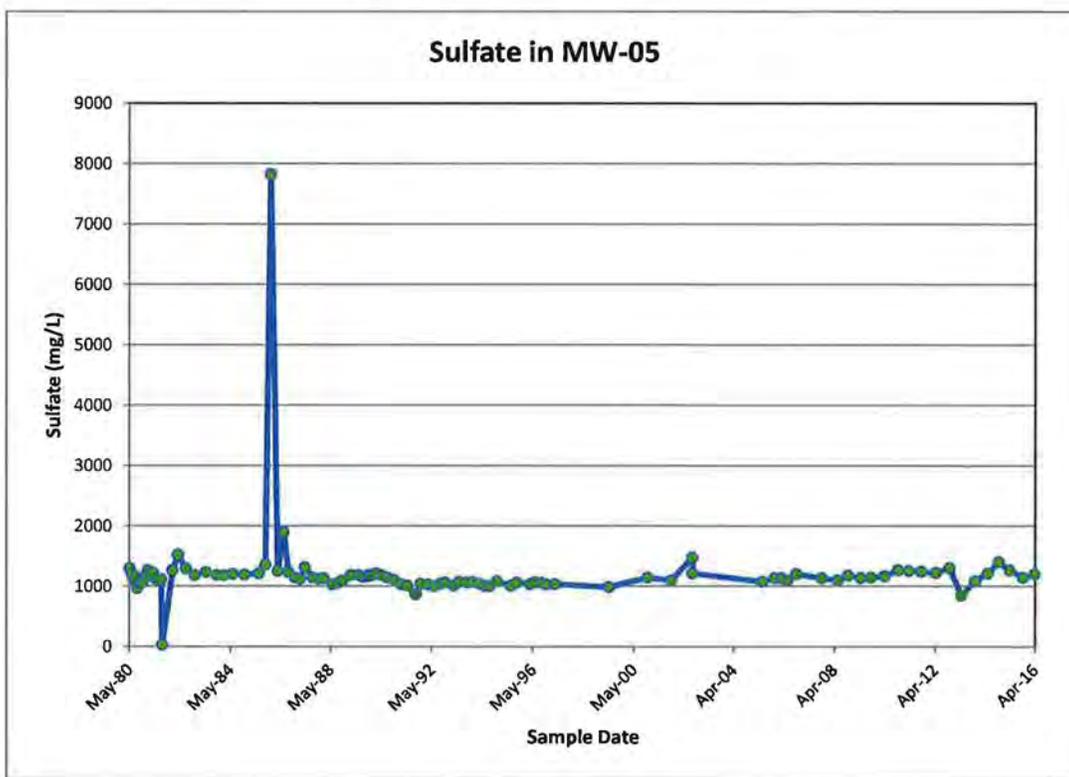
Time concentration plots for MW-03A



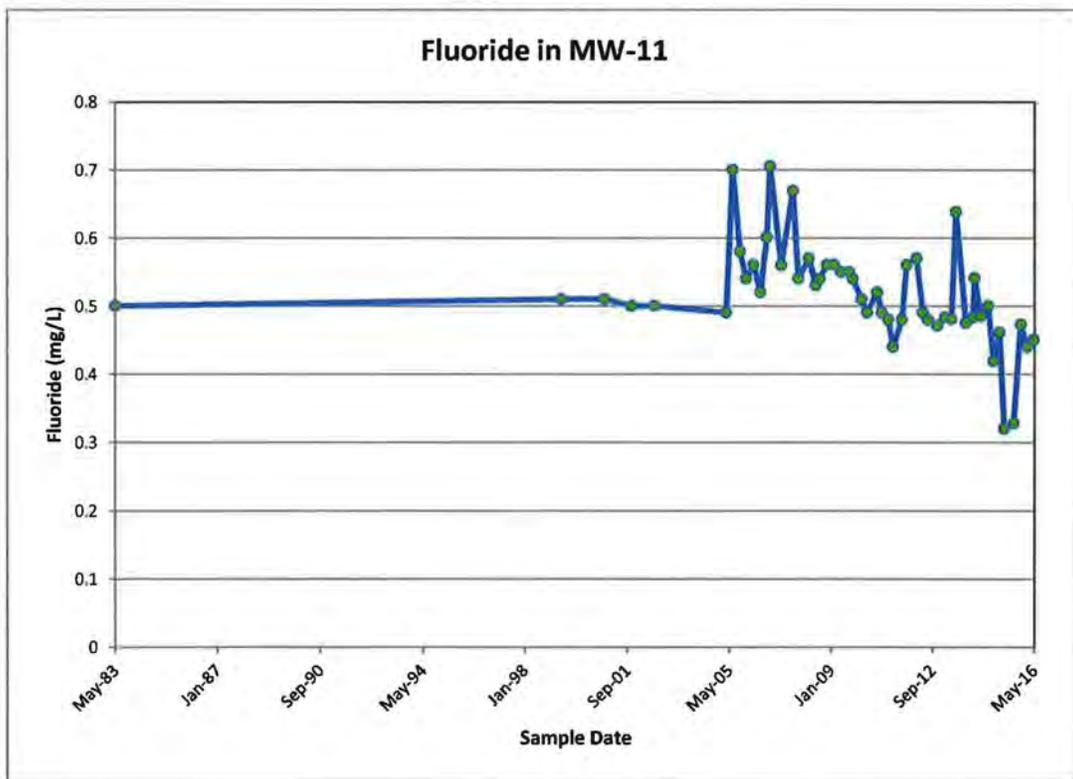
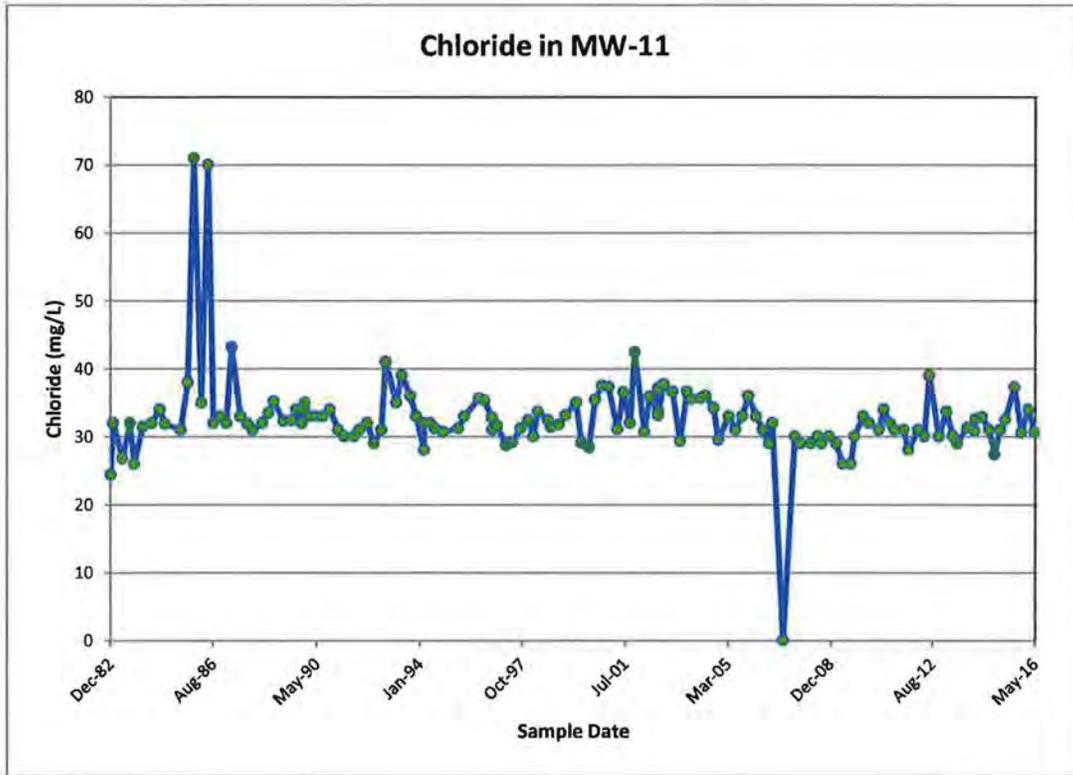
Time concentration plots for MW-05



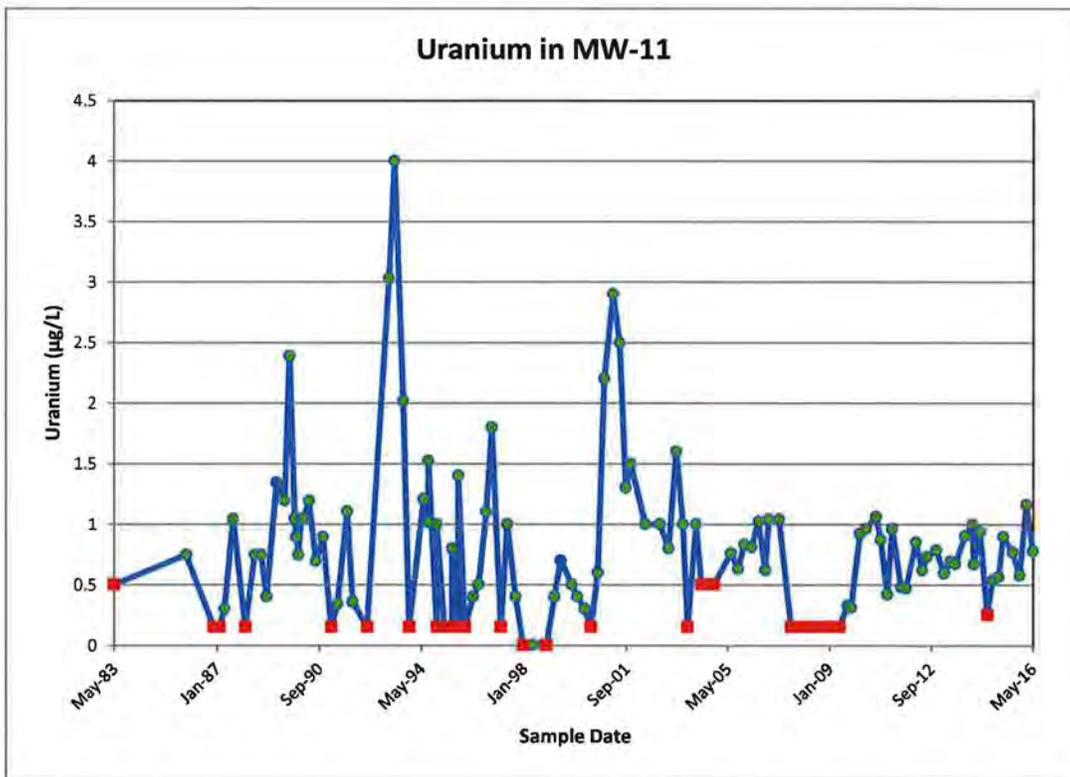
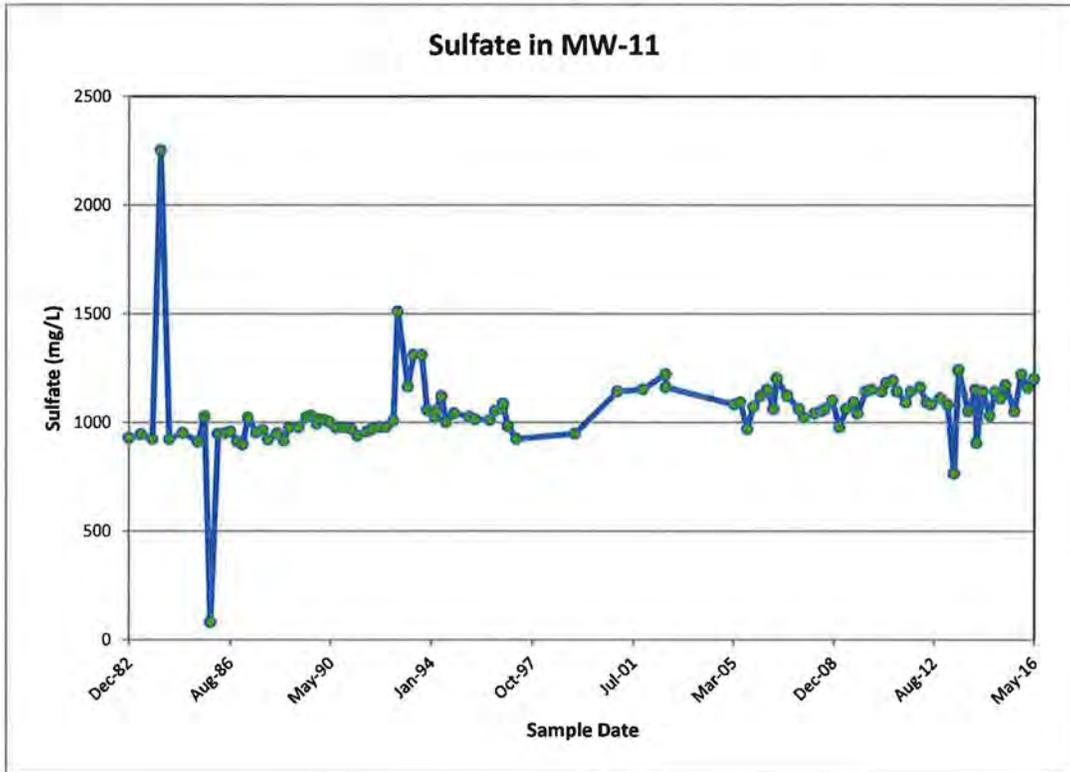
Time concentration plots for MW-05



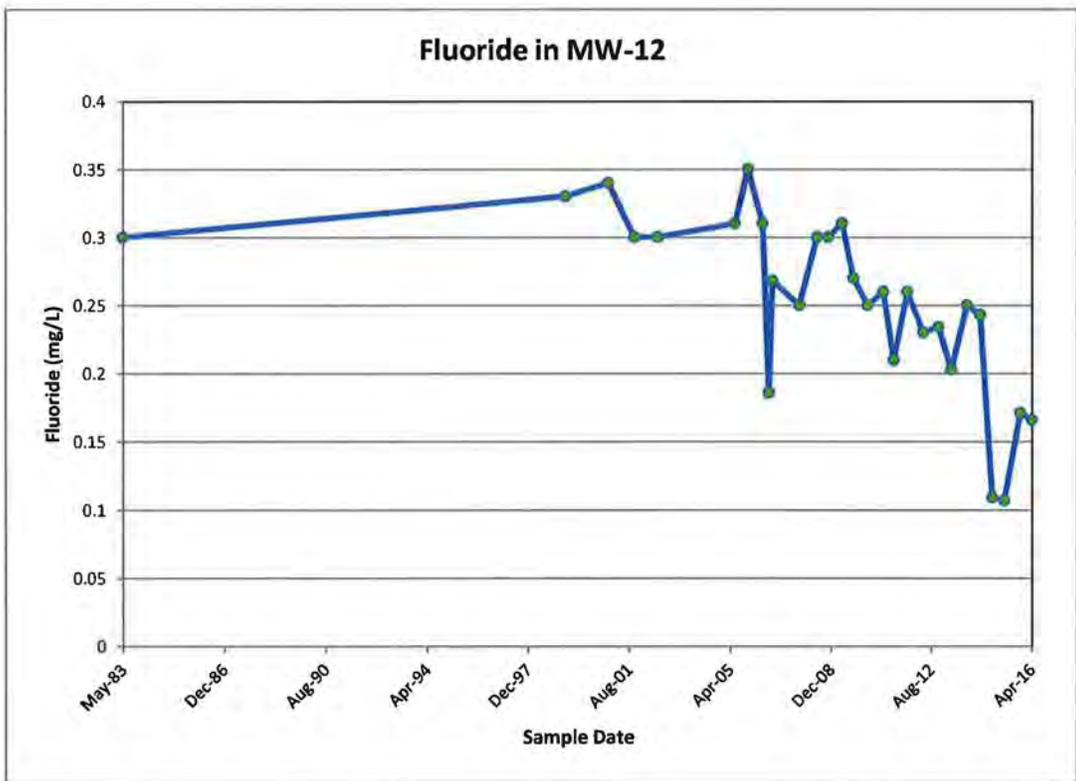
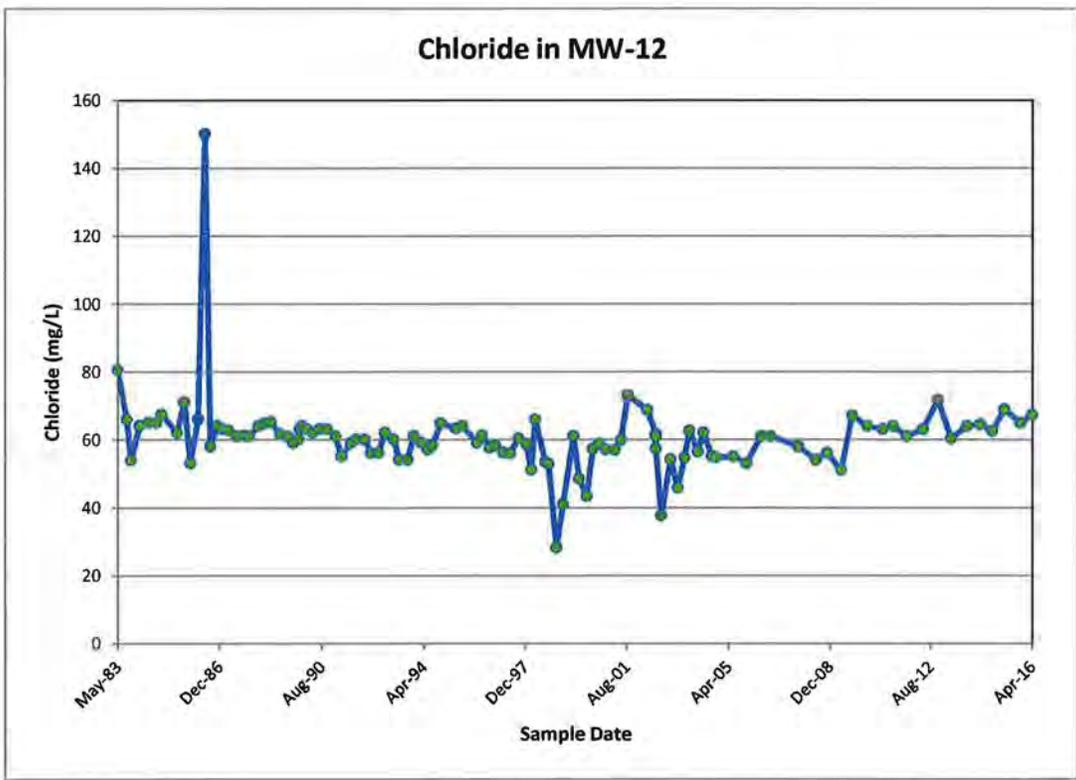
Time concentration plots for MW-11



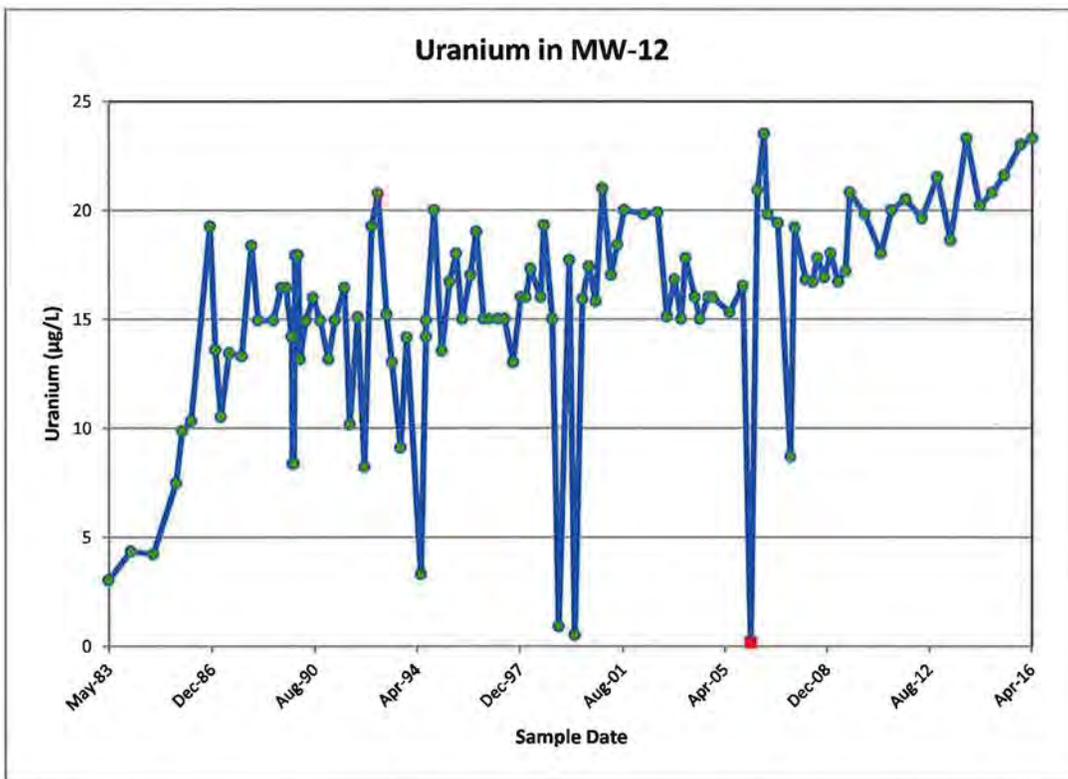
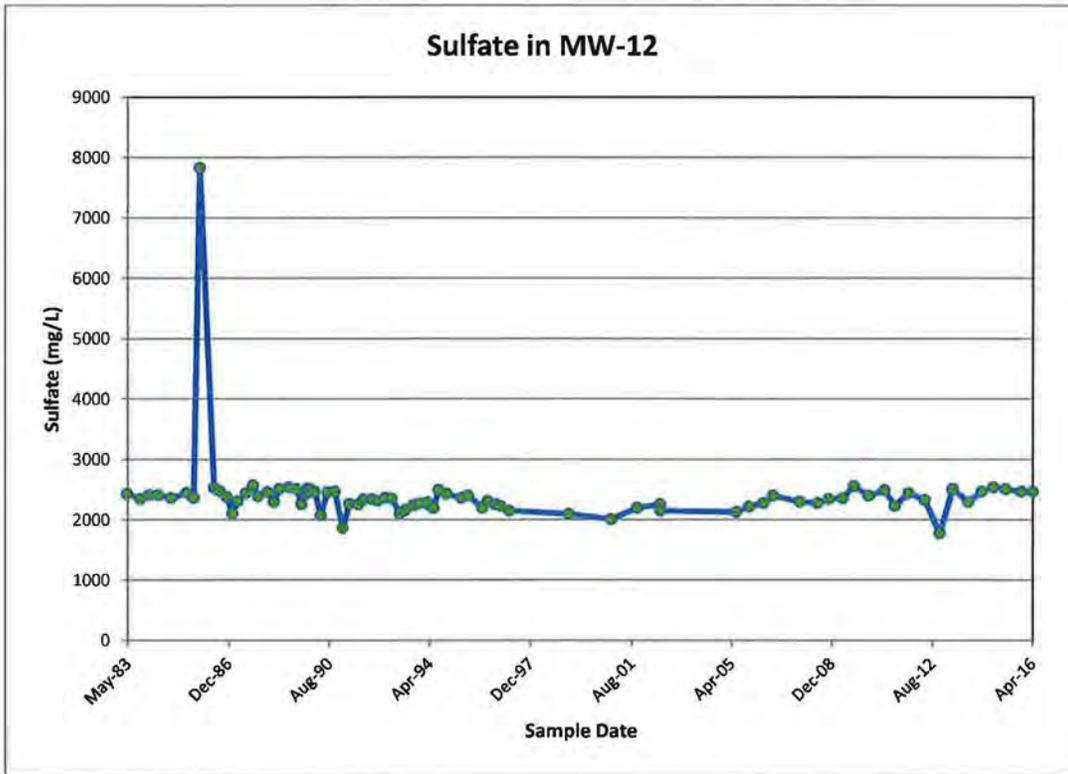
Time concentration plots for MW-11



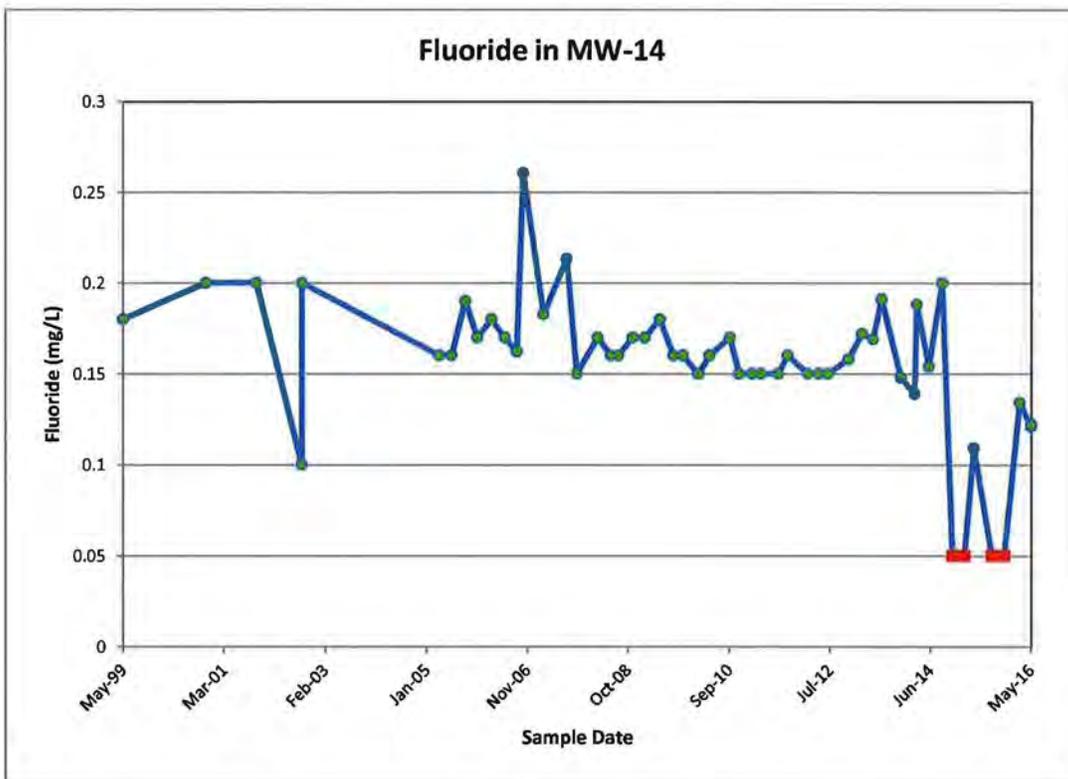
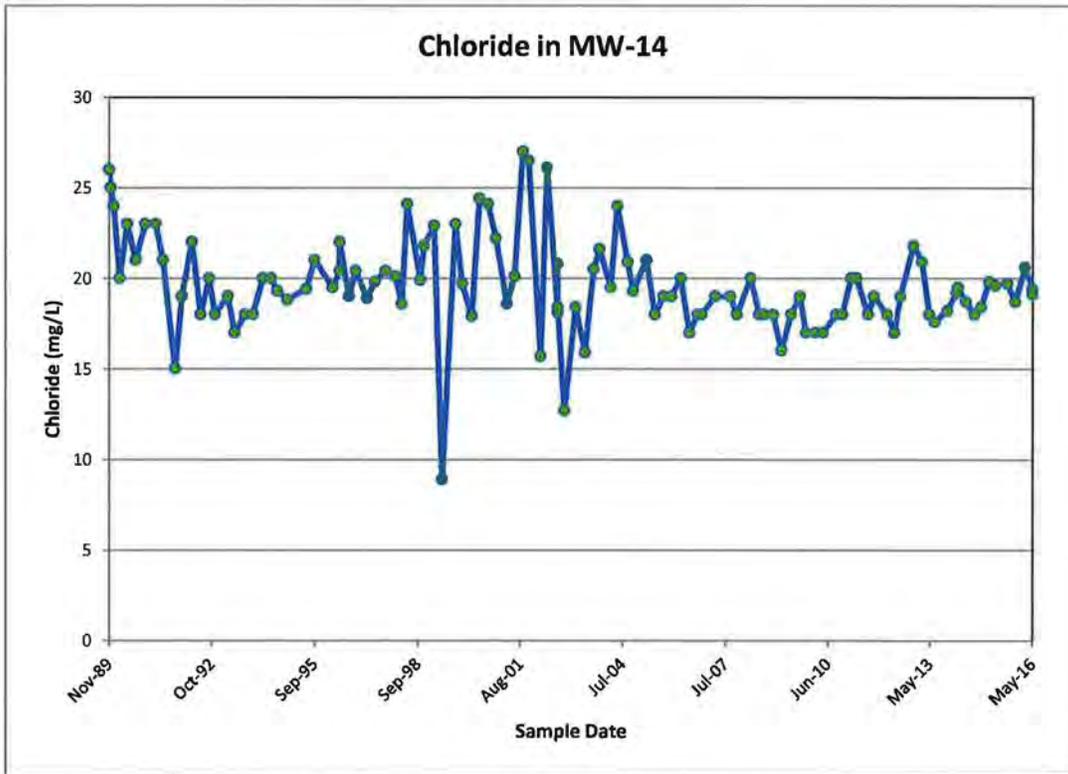
Time concentration plots for MW-12



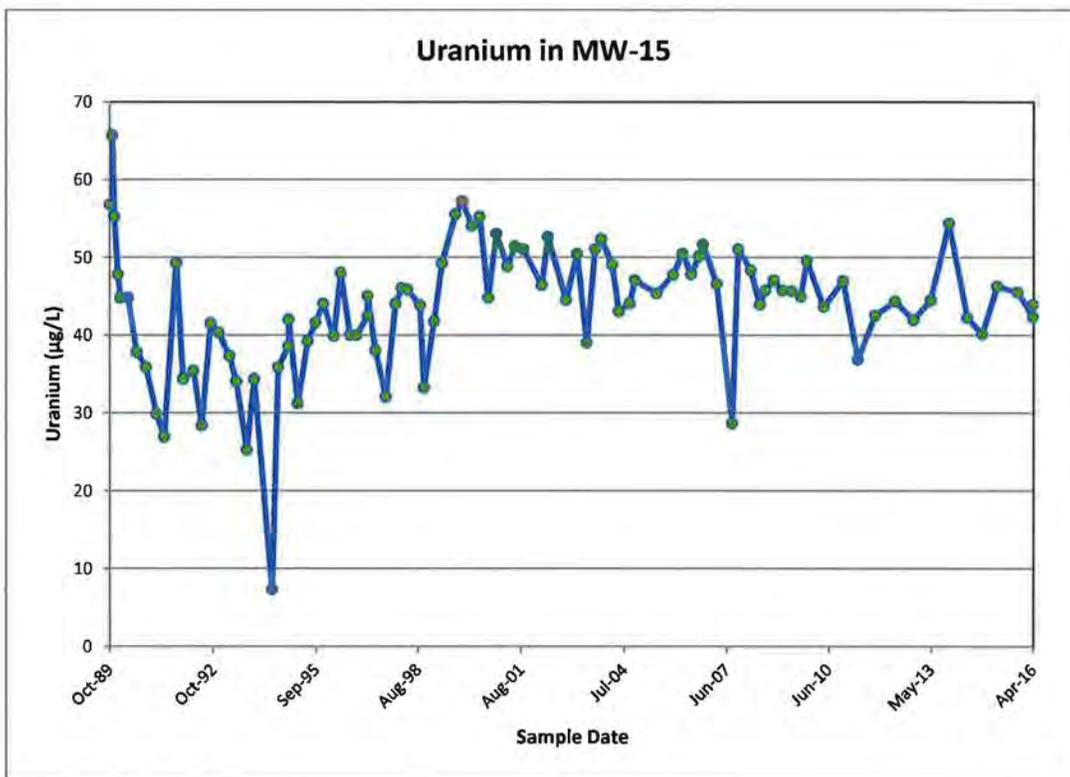
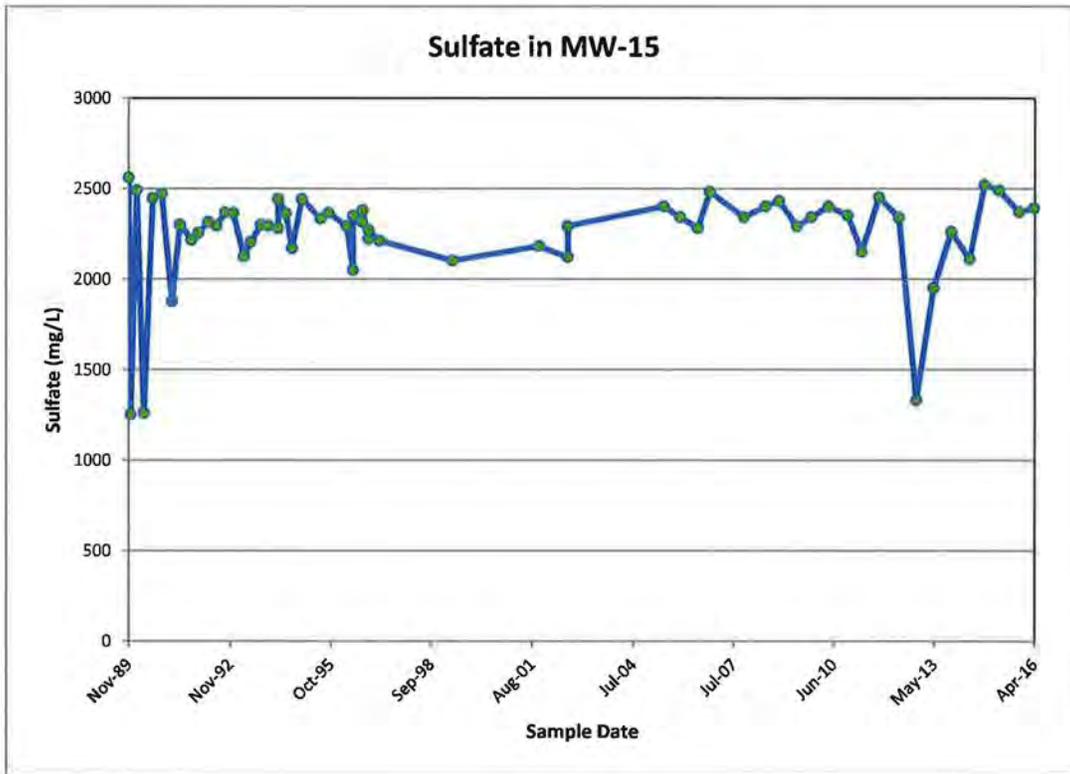
Time concentration plots for MW-12



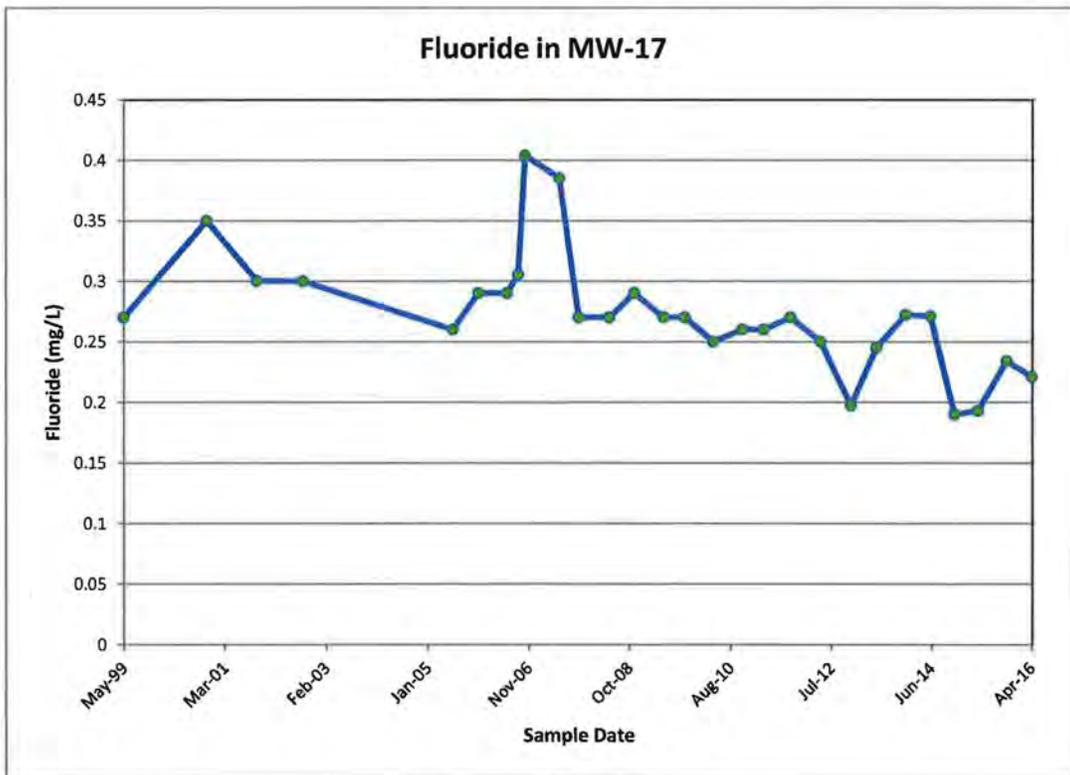
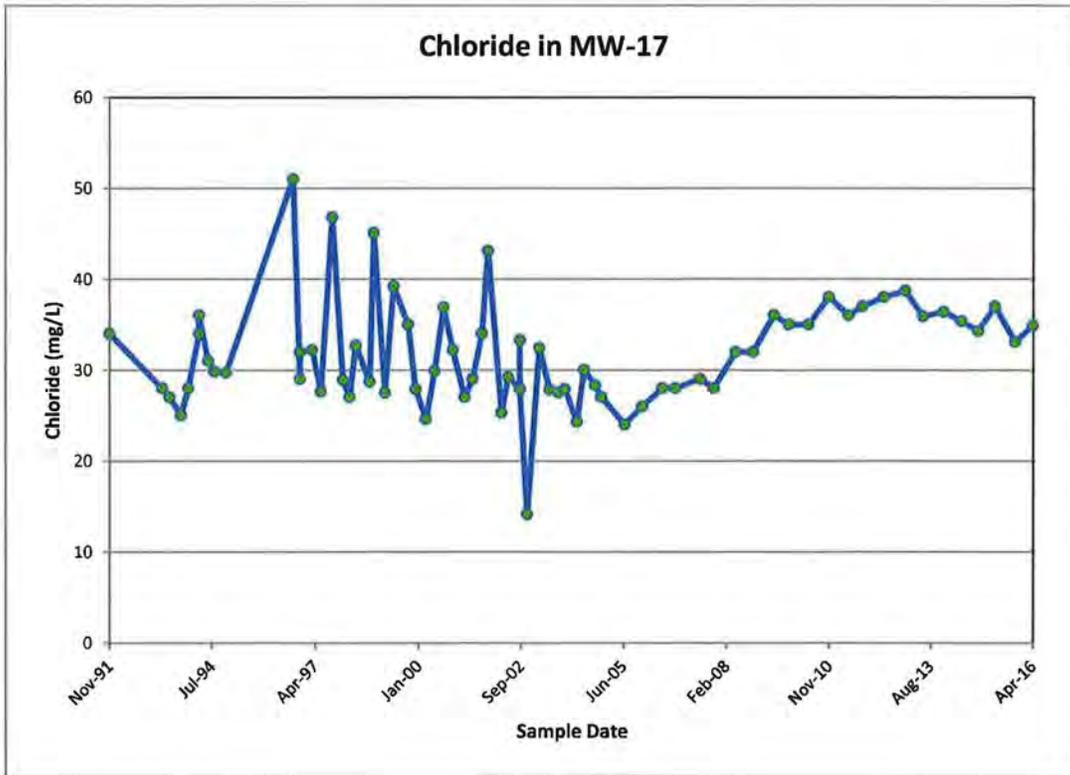
Time concentration plots for MW-14



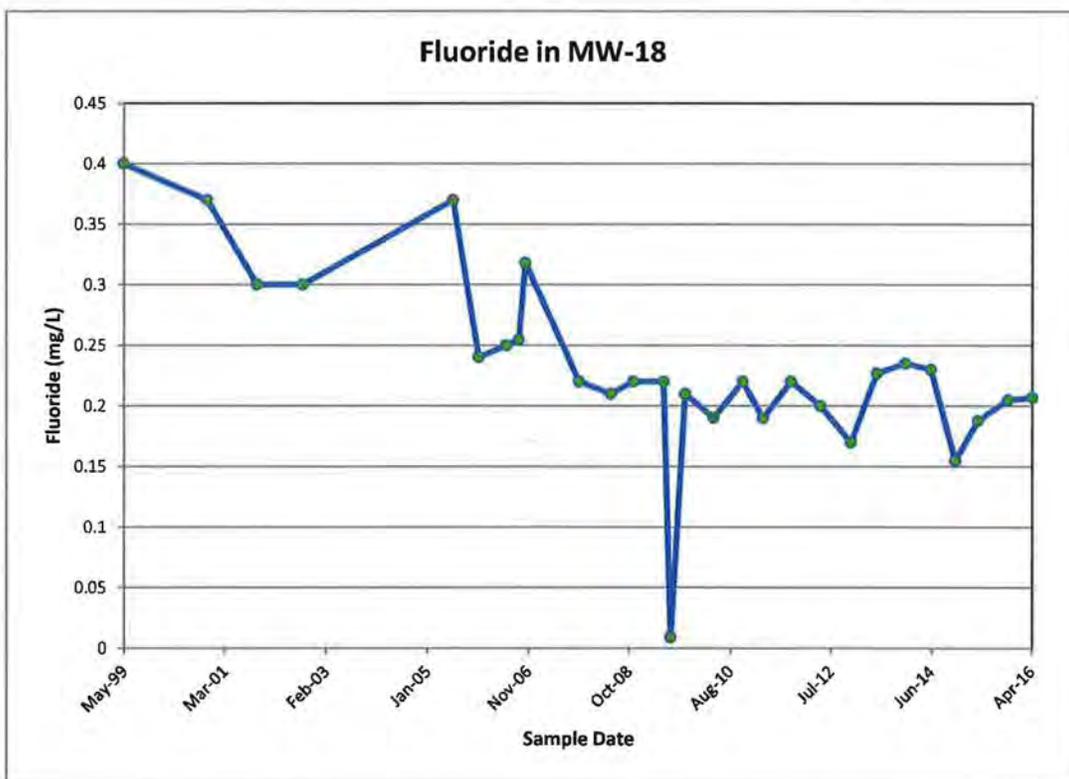
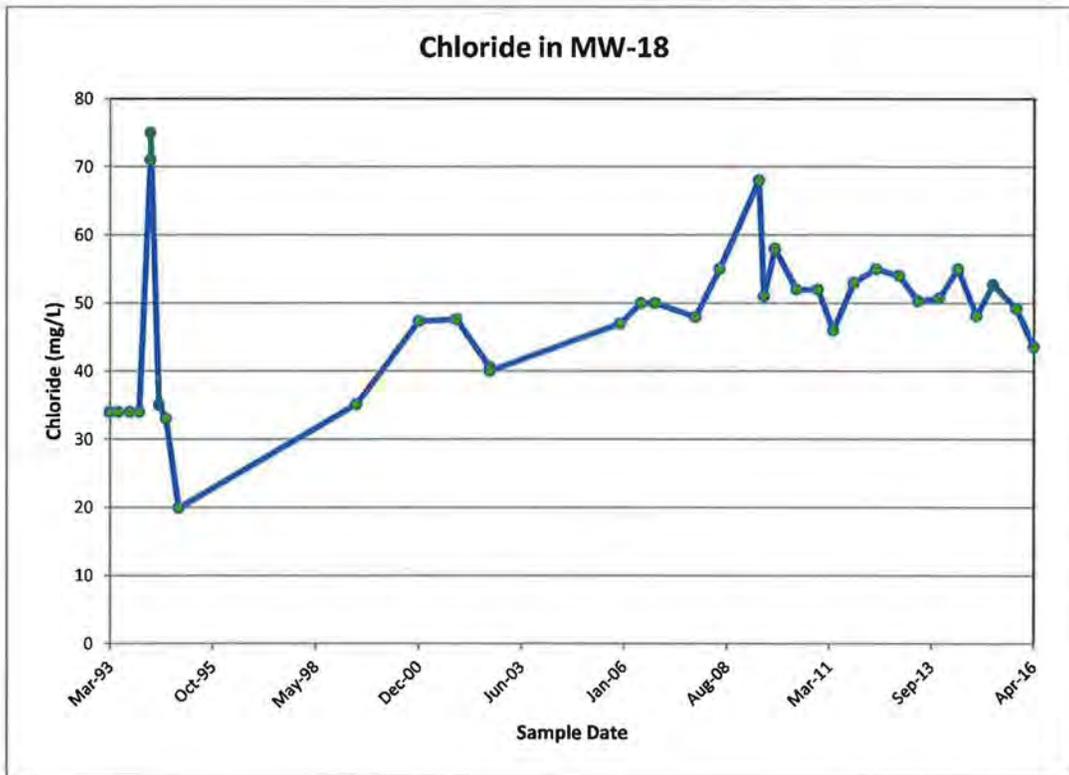
Time concentration plots for MW-15



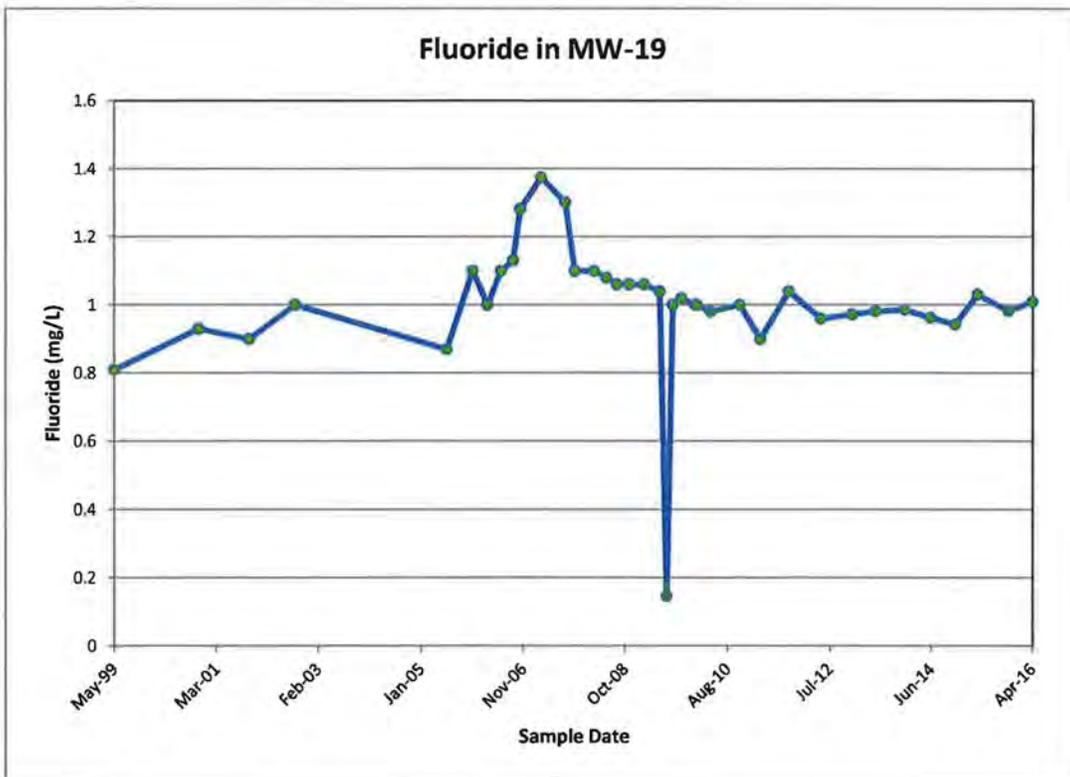
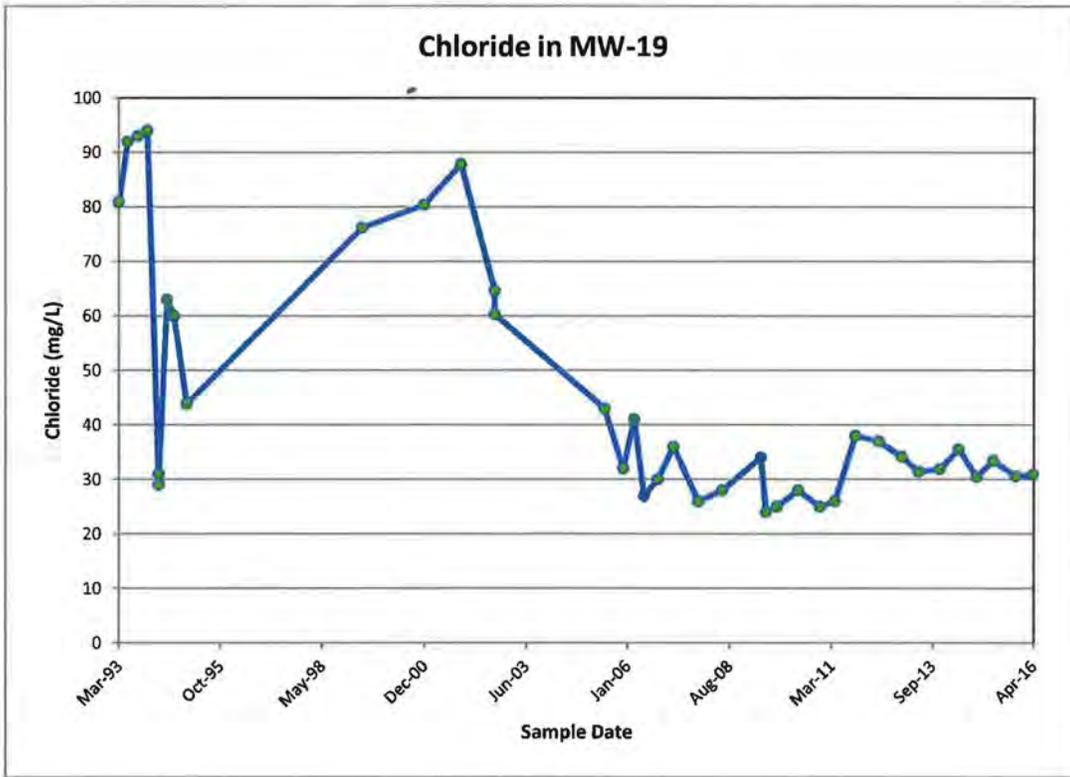
Time concentration plots for MW-17



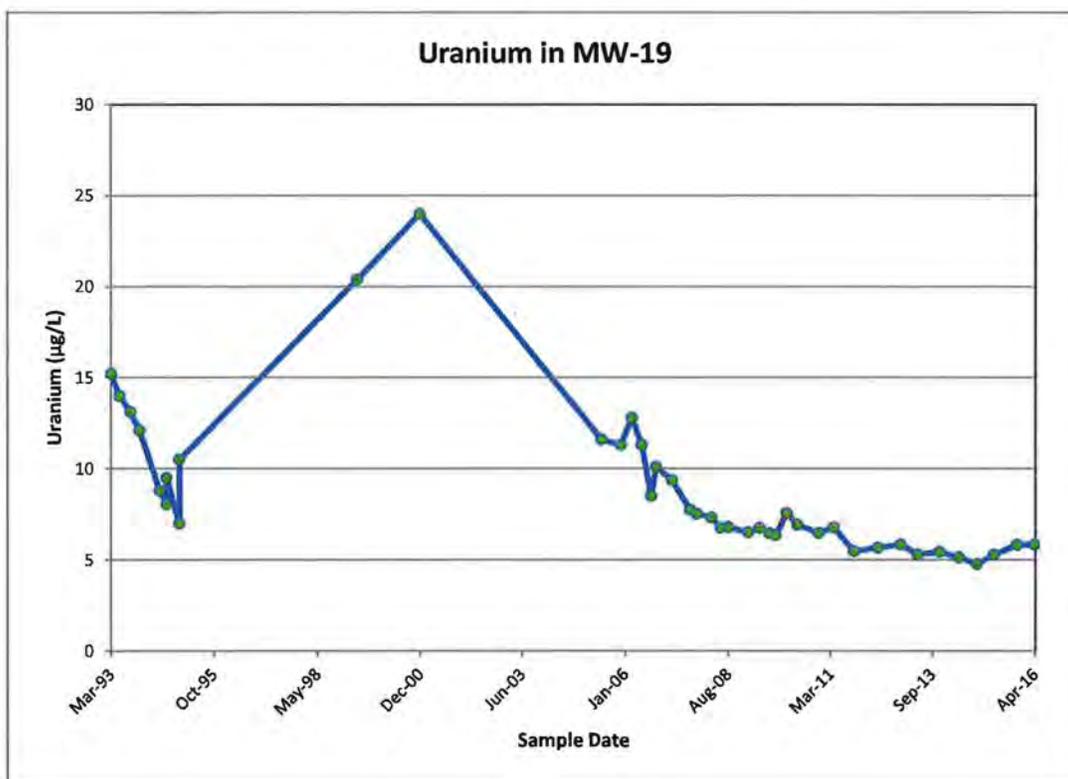
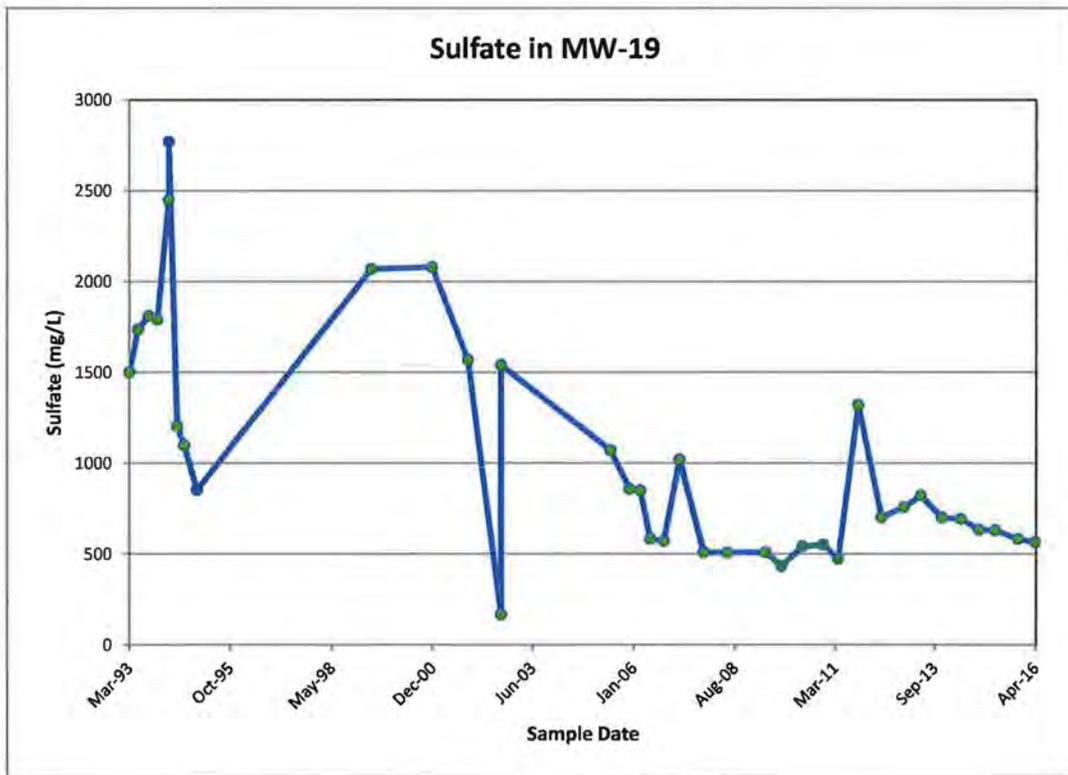
Time concentration plots for MW-18



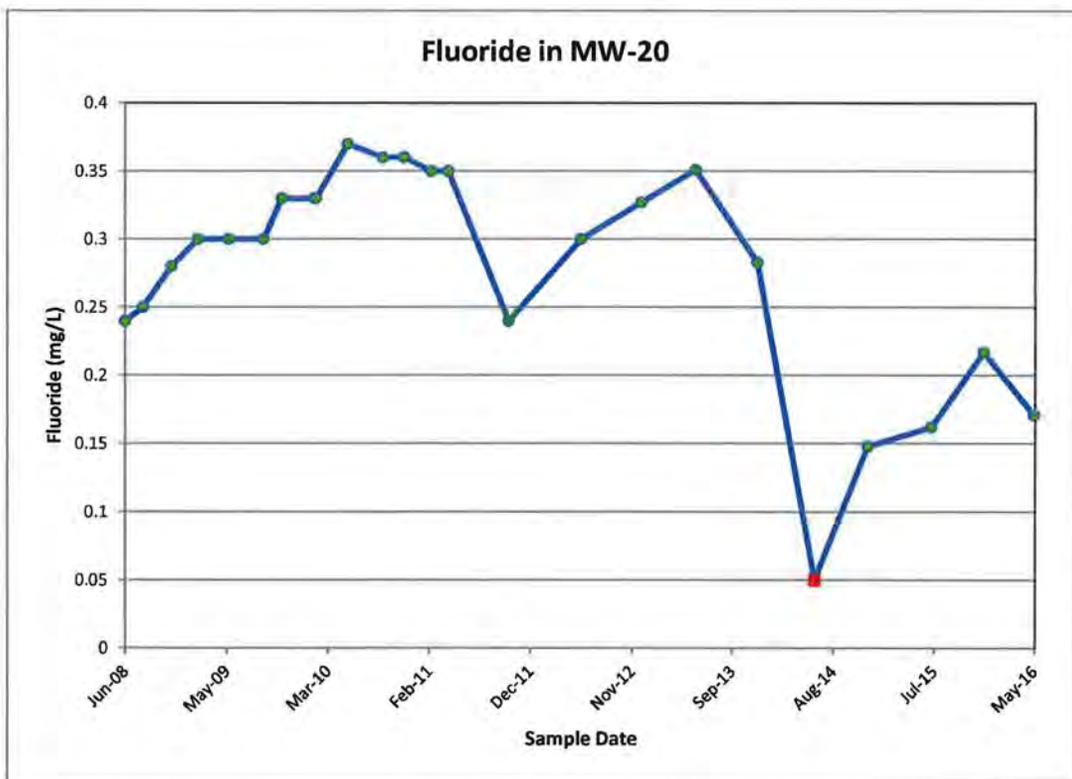
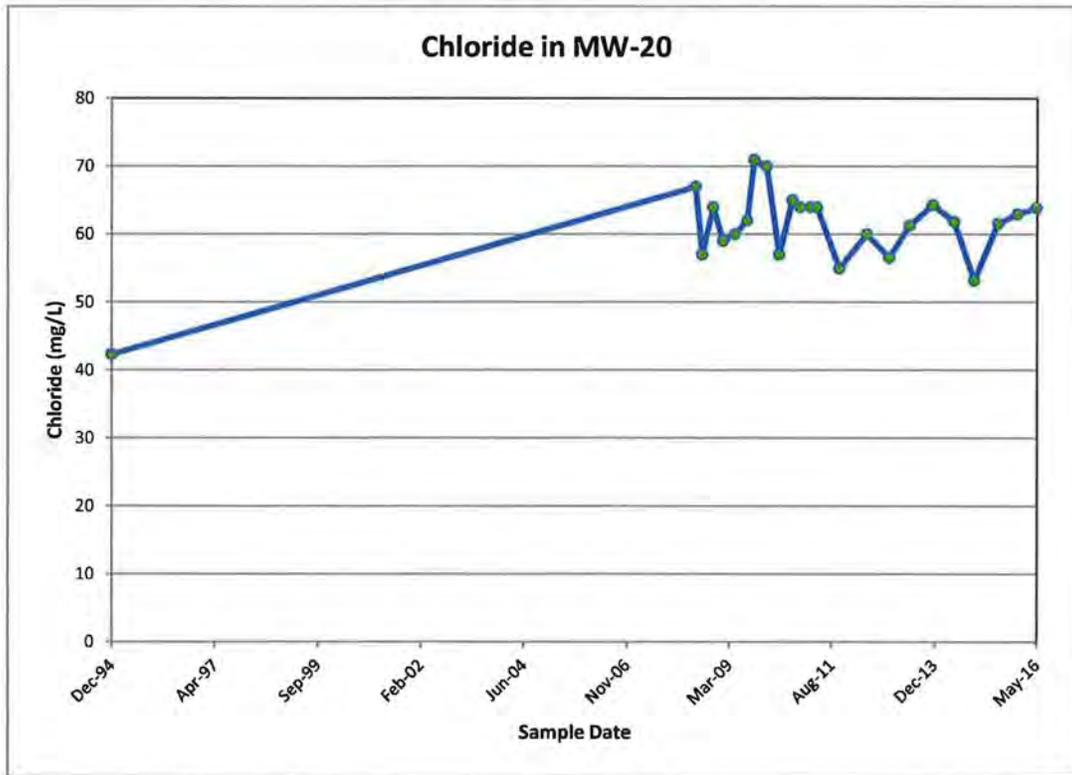
Time concentration plots for MW-19



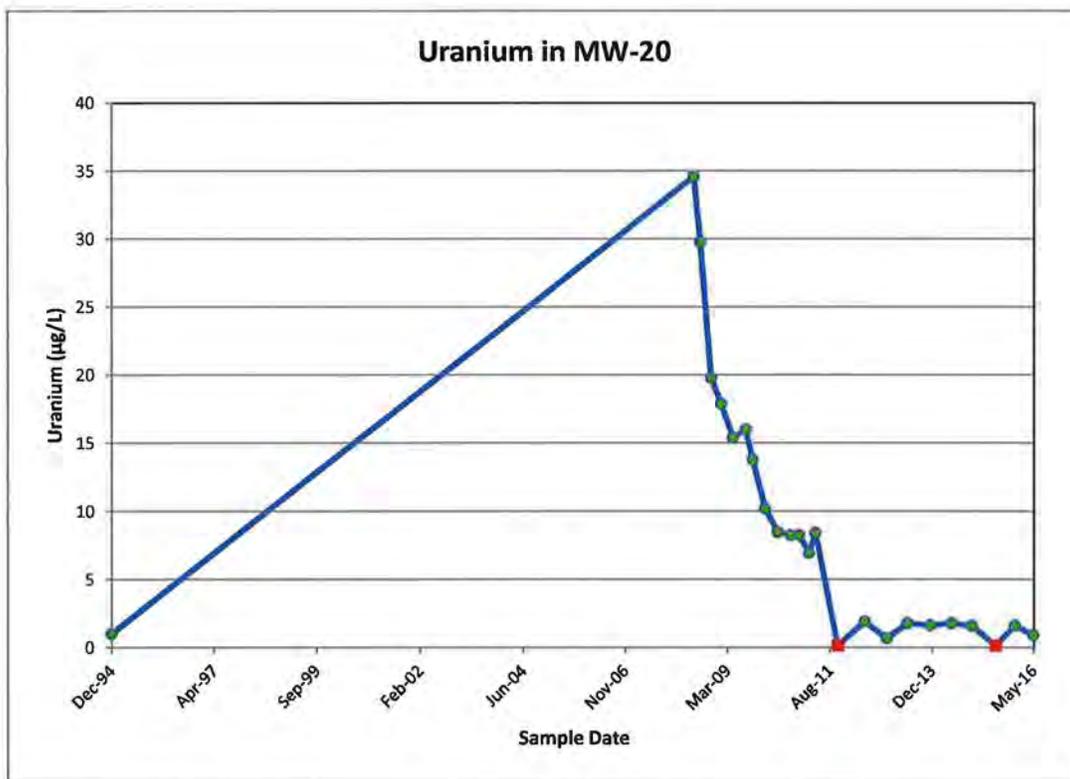
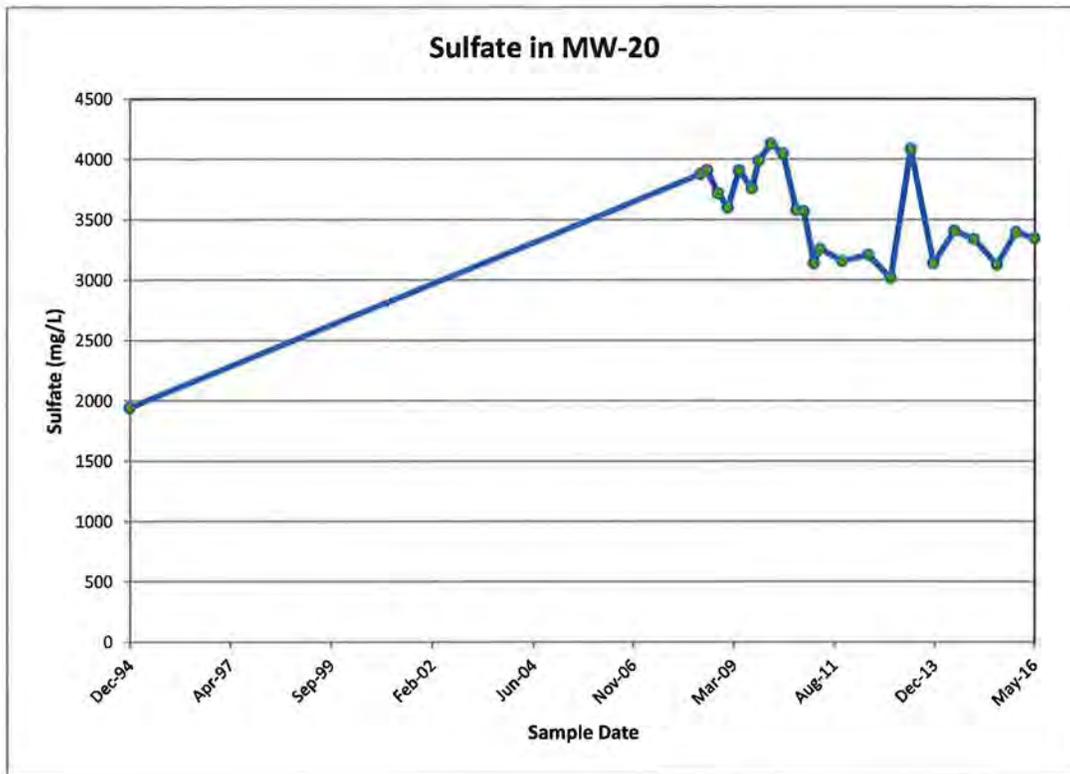
Time concentration plots for MW-19



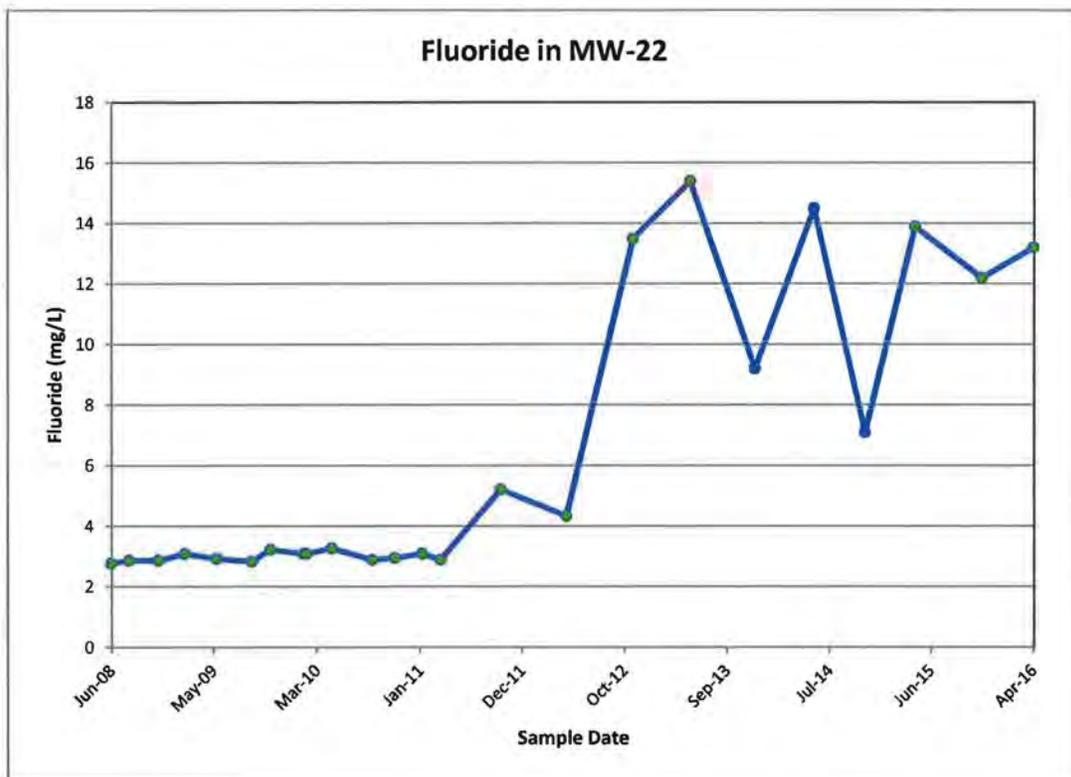
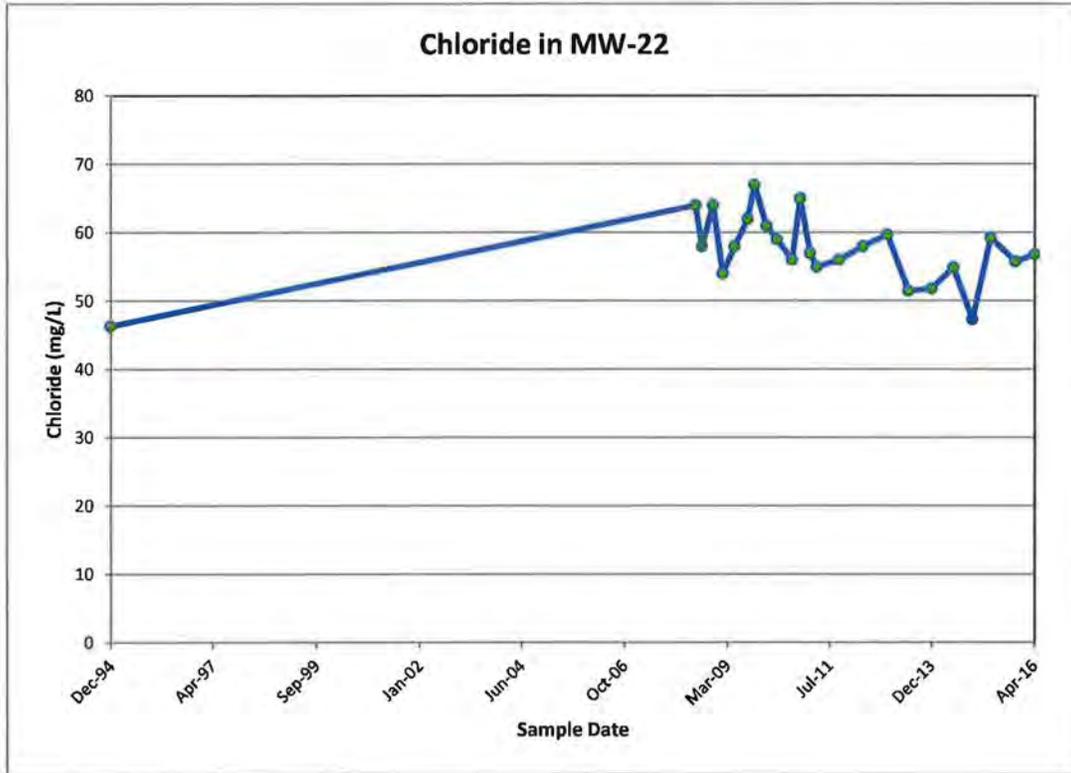
Time concentration plots for MW-20



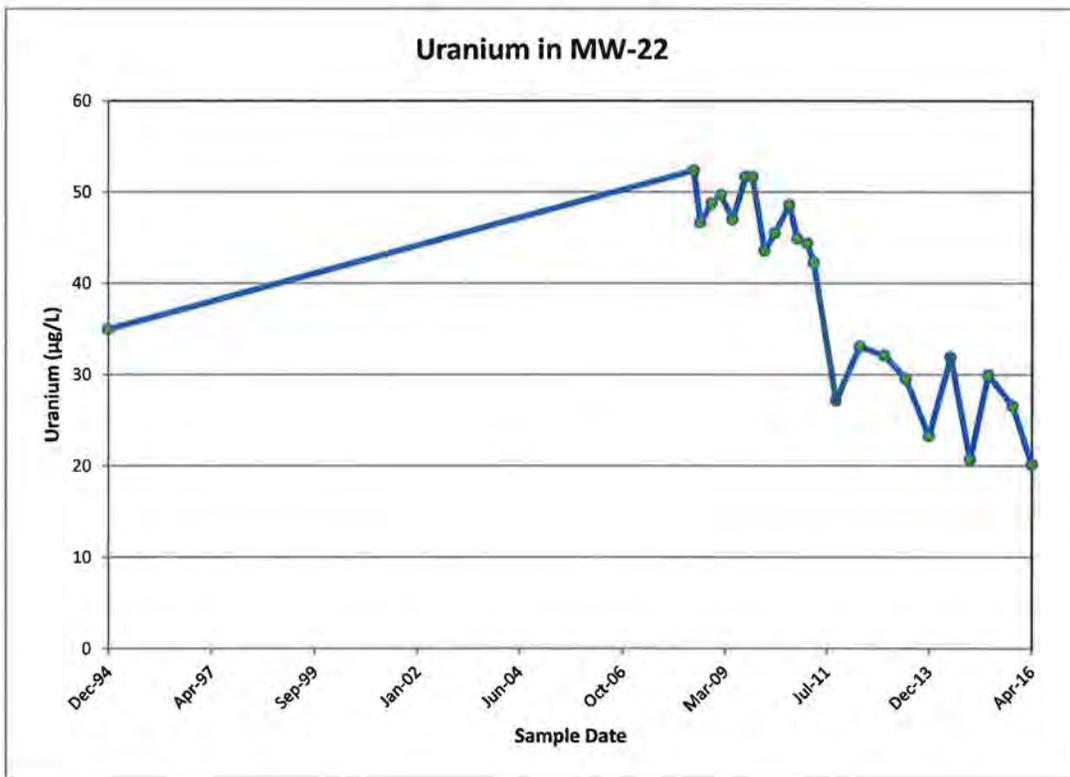
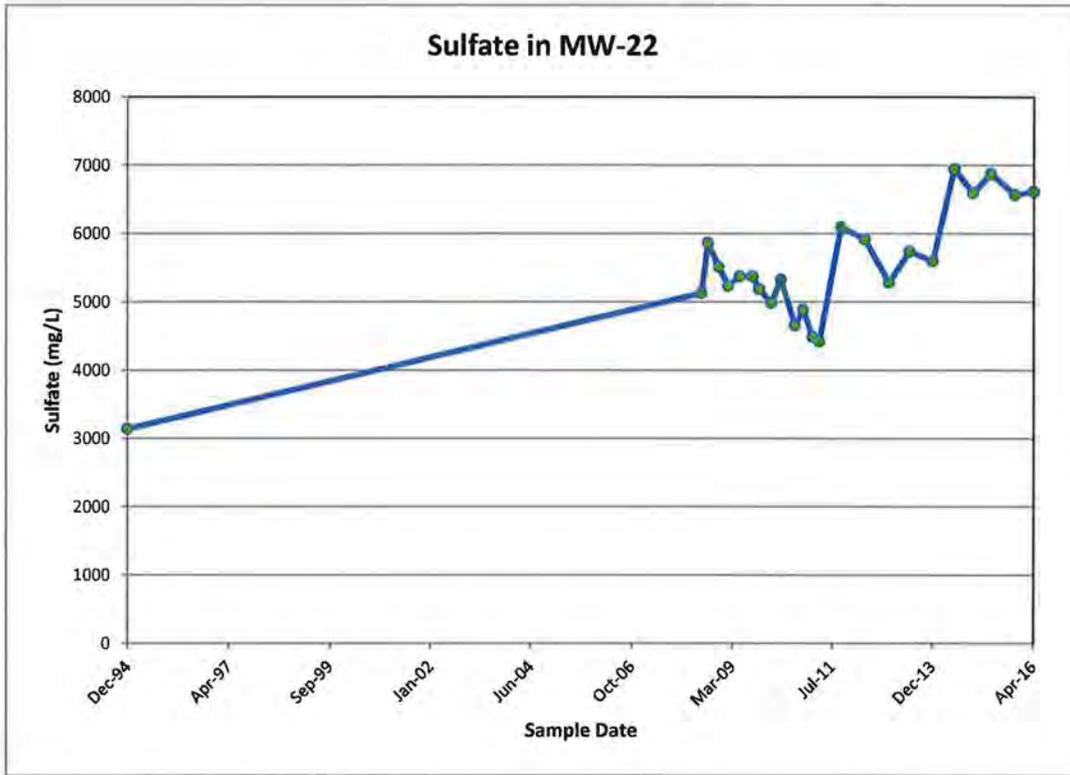
Time concentration plots for MW-20



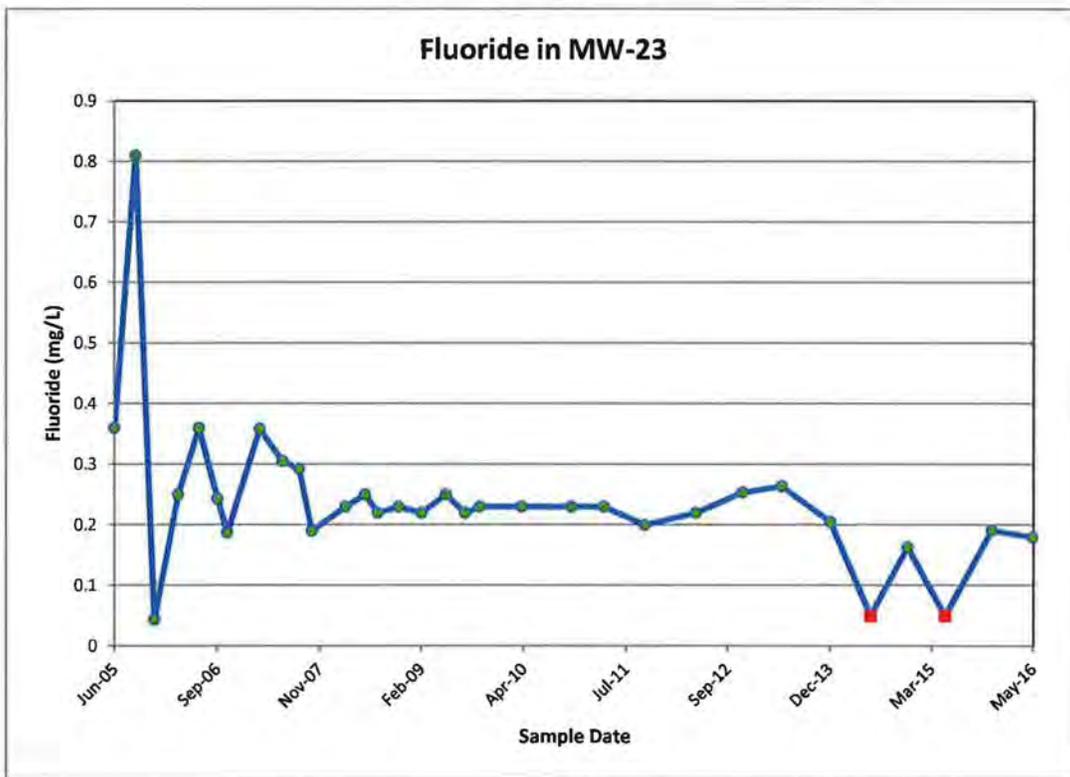
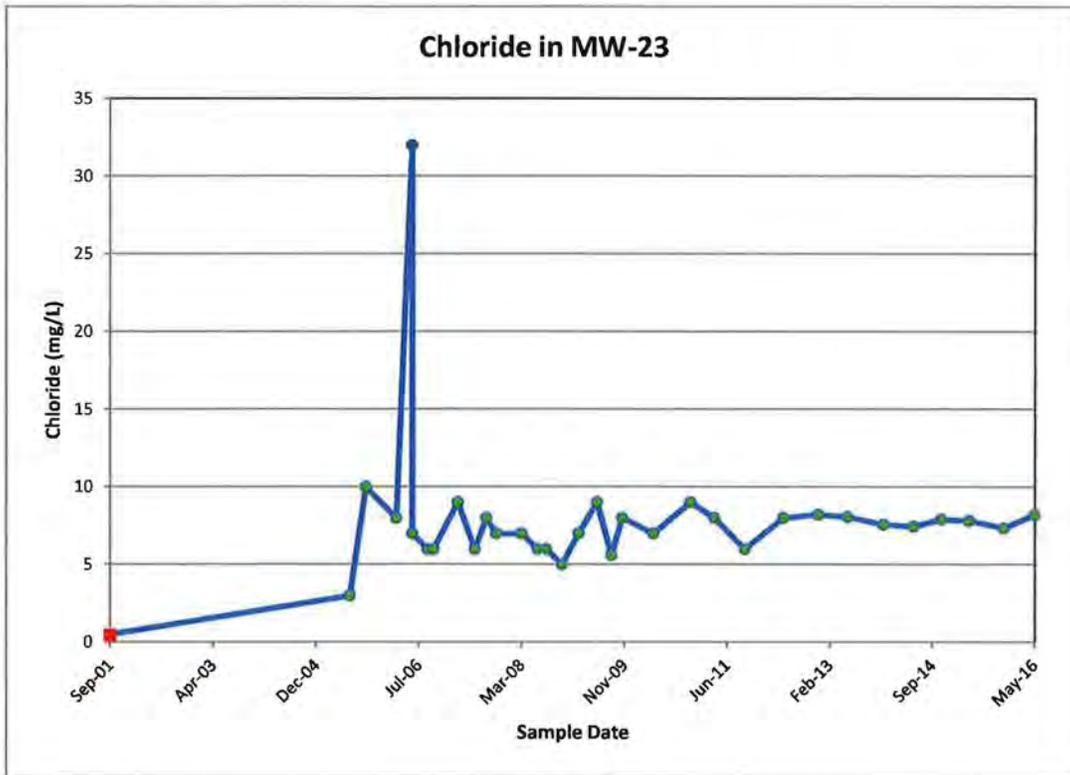
Time concentration plots for MW-22



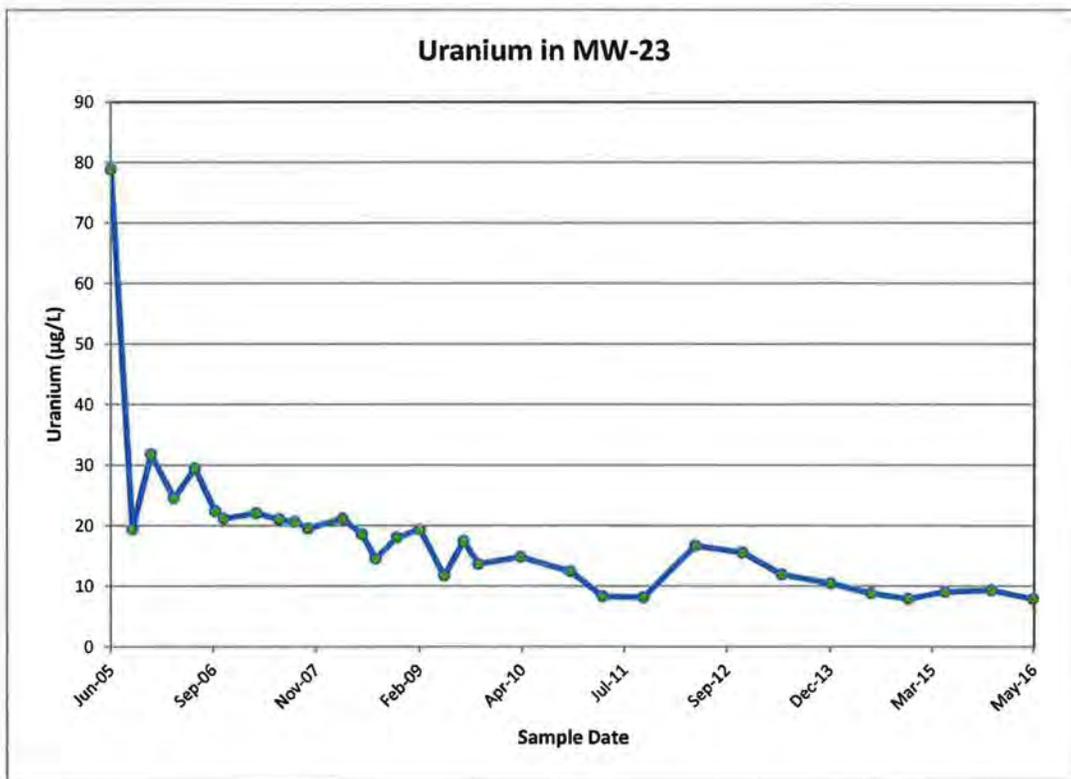
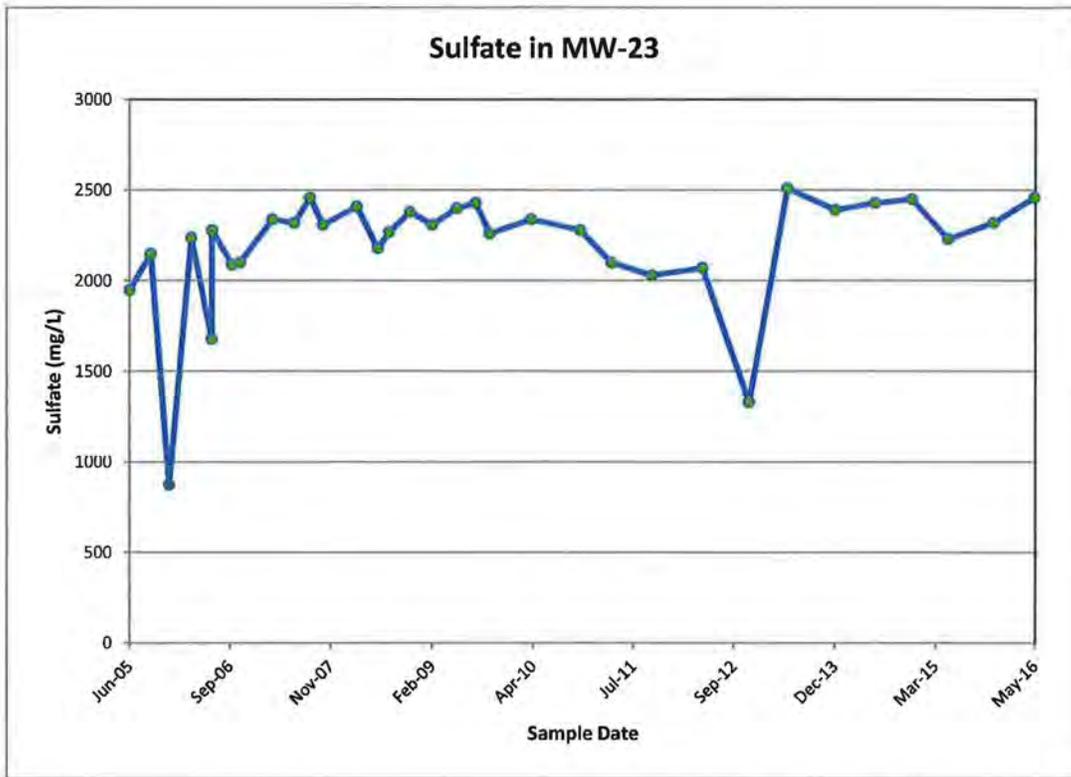
Time concentration plots for MW-22



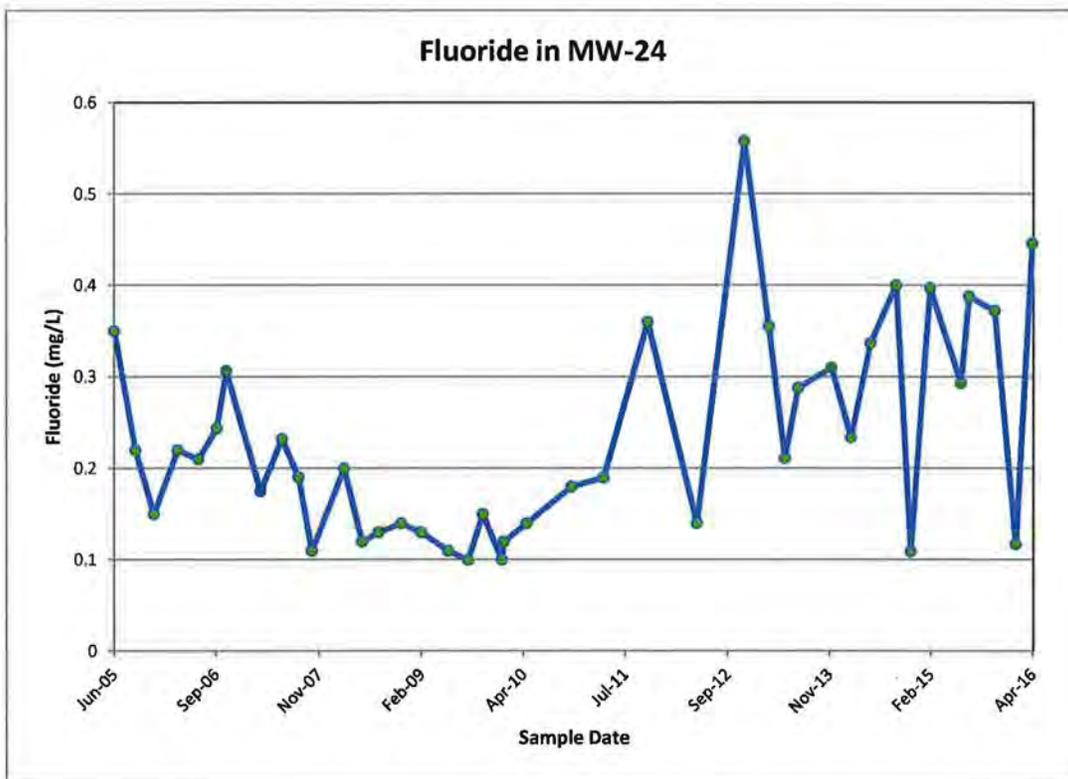
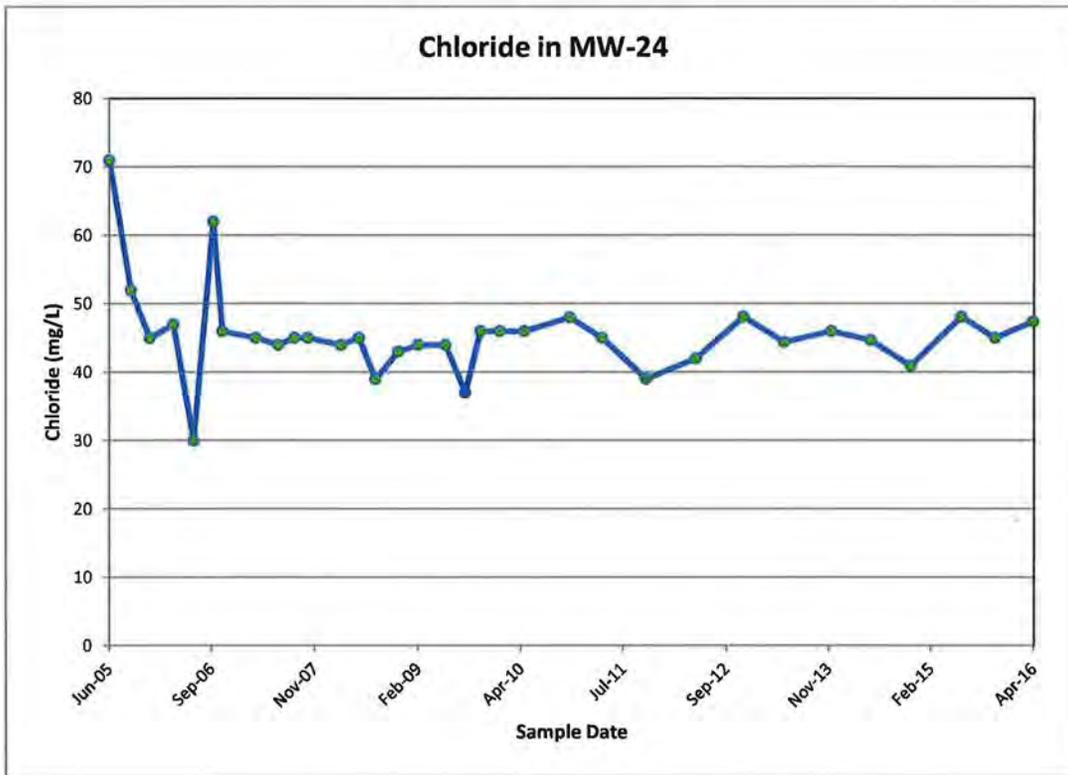
Time concentration plots for MW-23



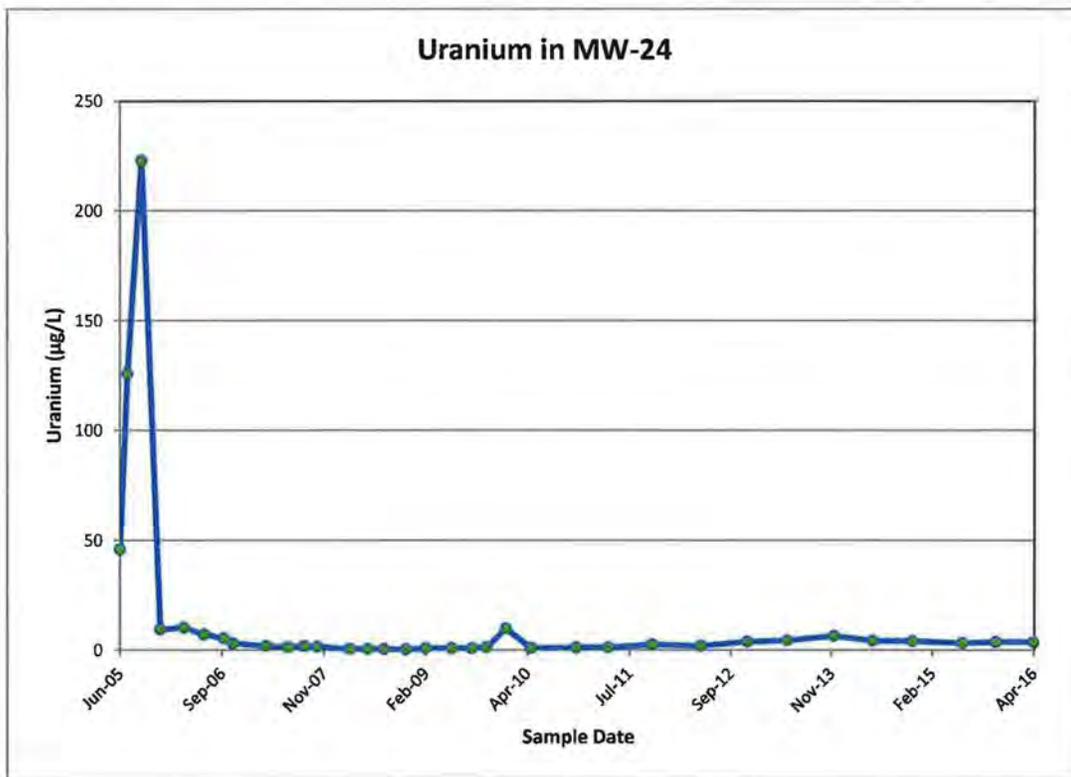
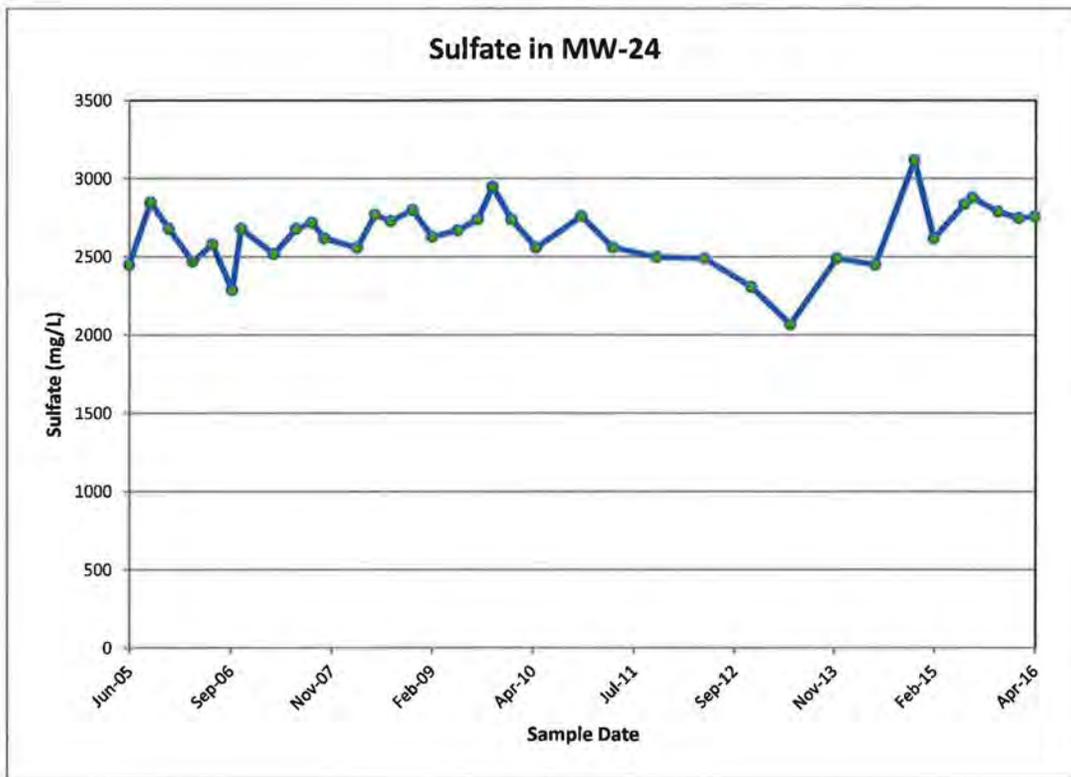
Time concentration plots for MW-23



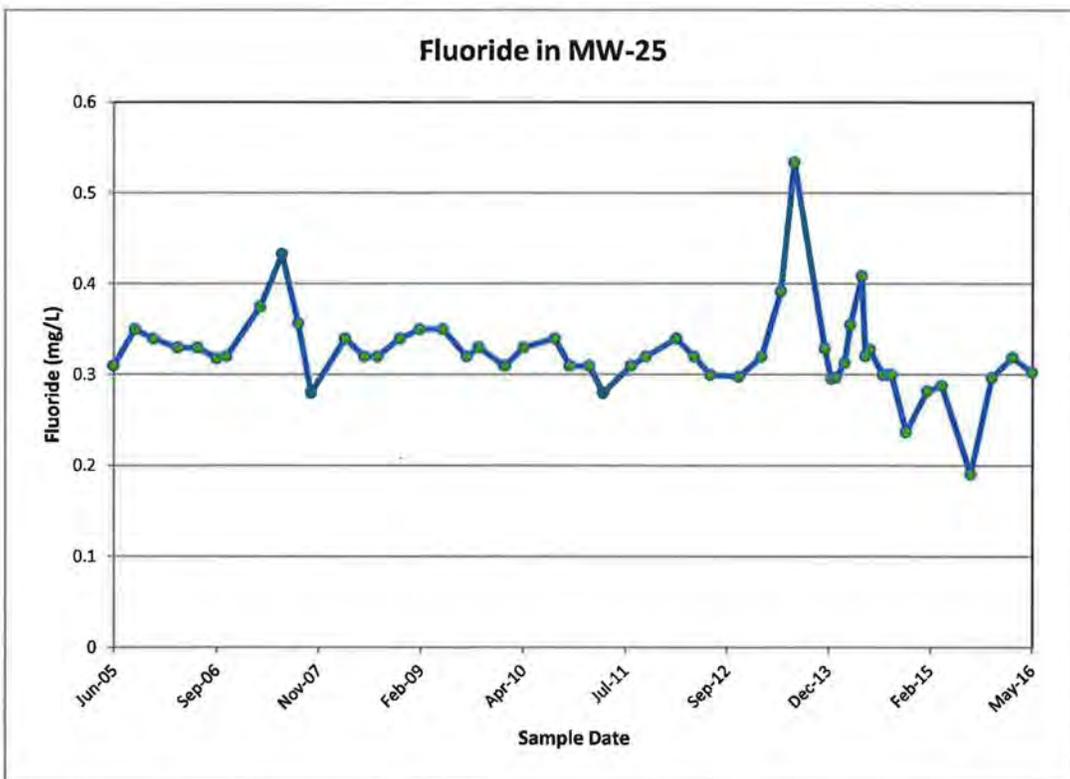
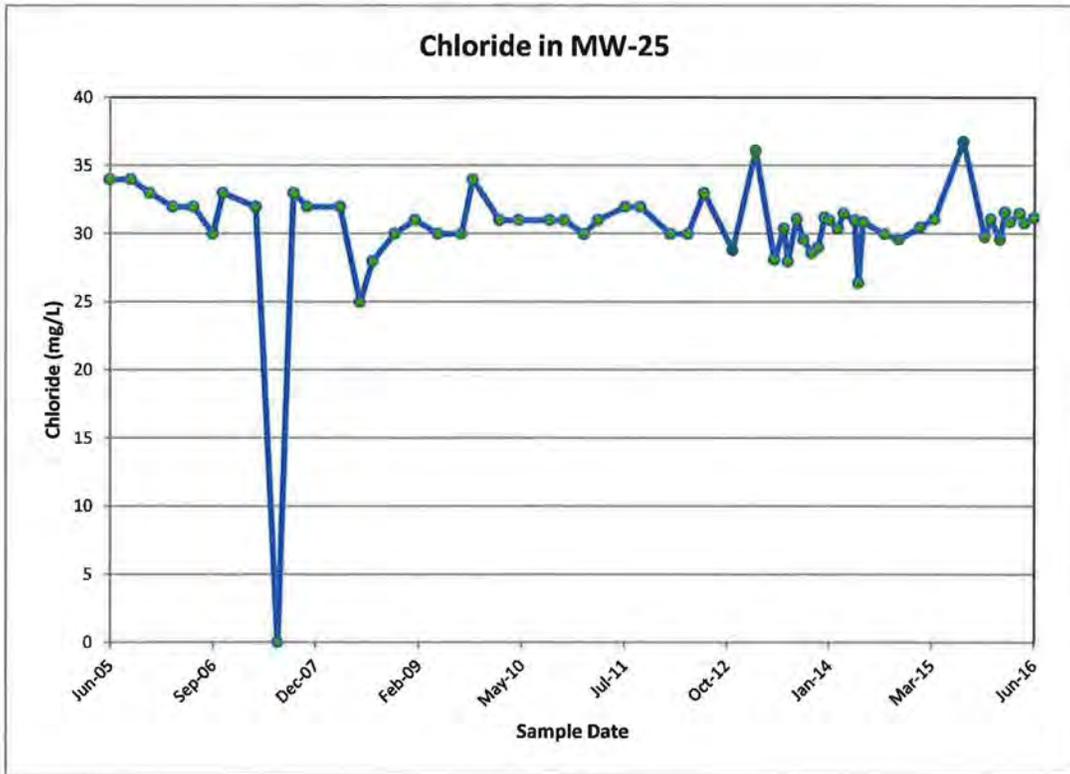
Time concentration plots for MW-24



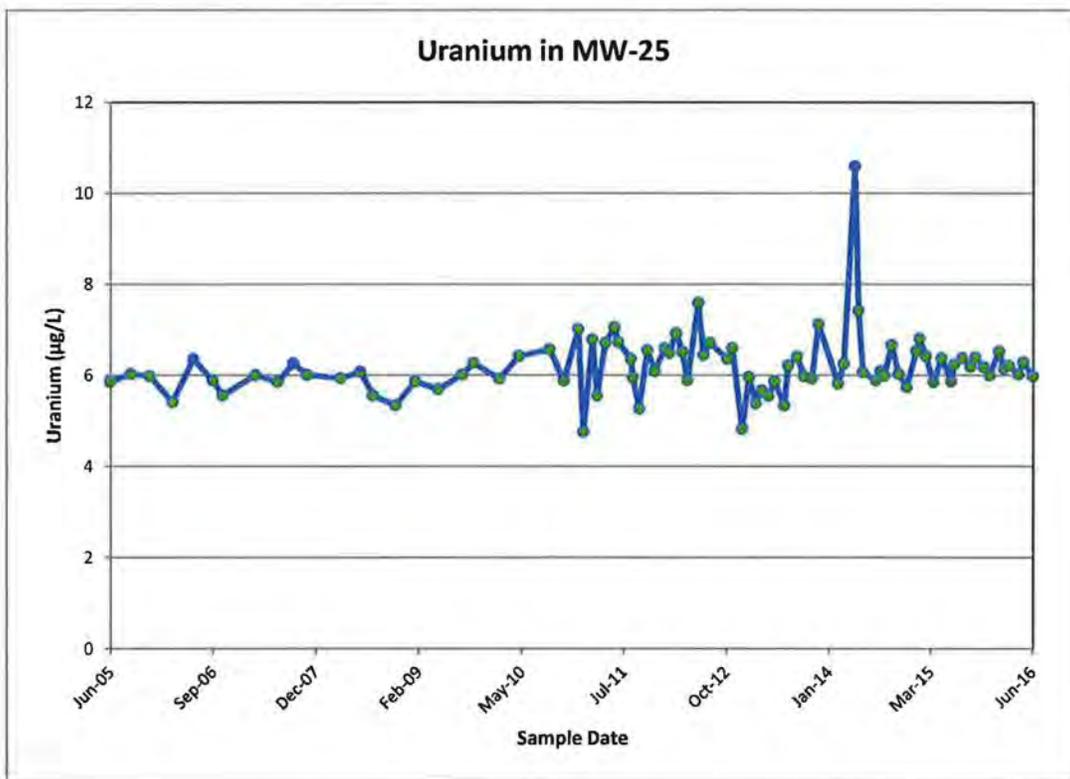
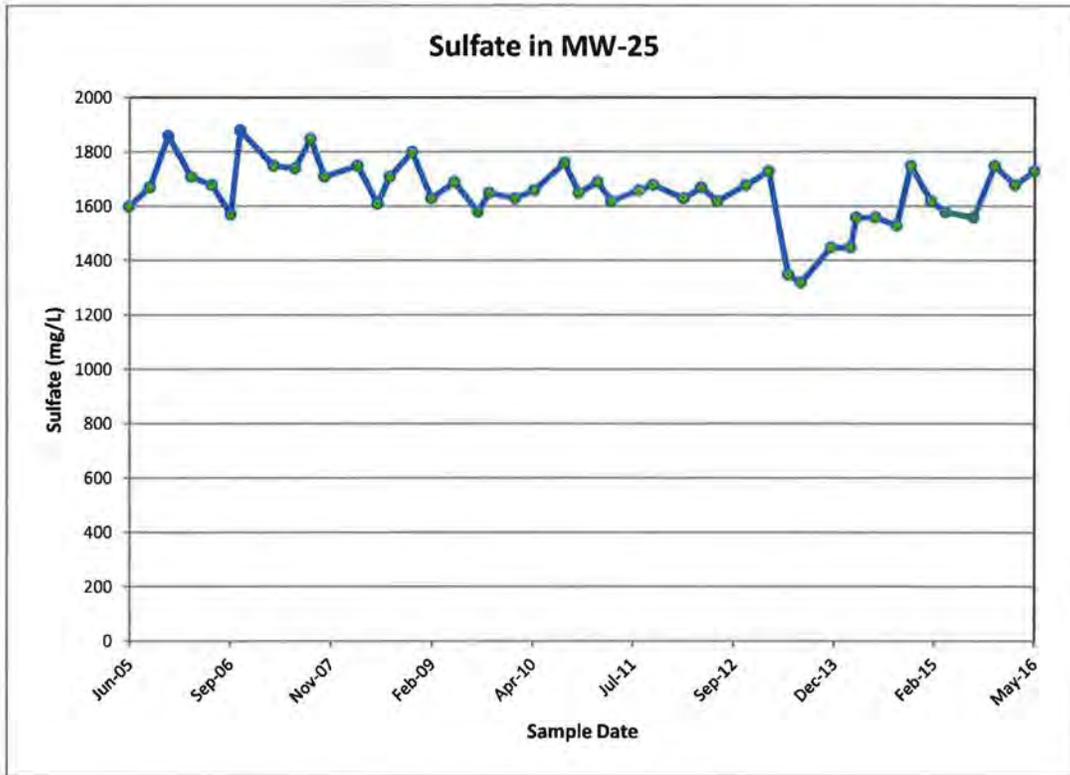
Time concentration plots for MW-24



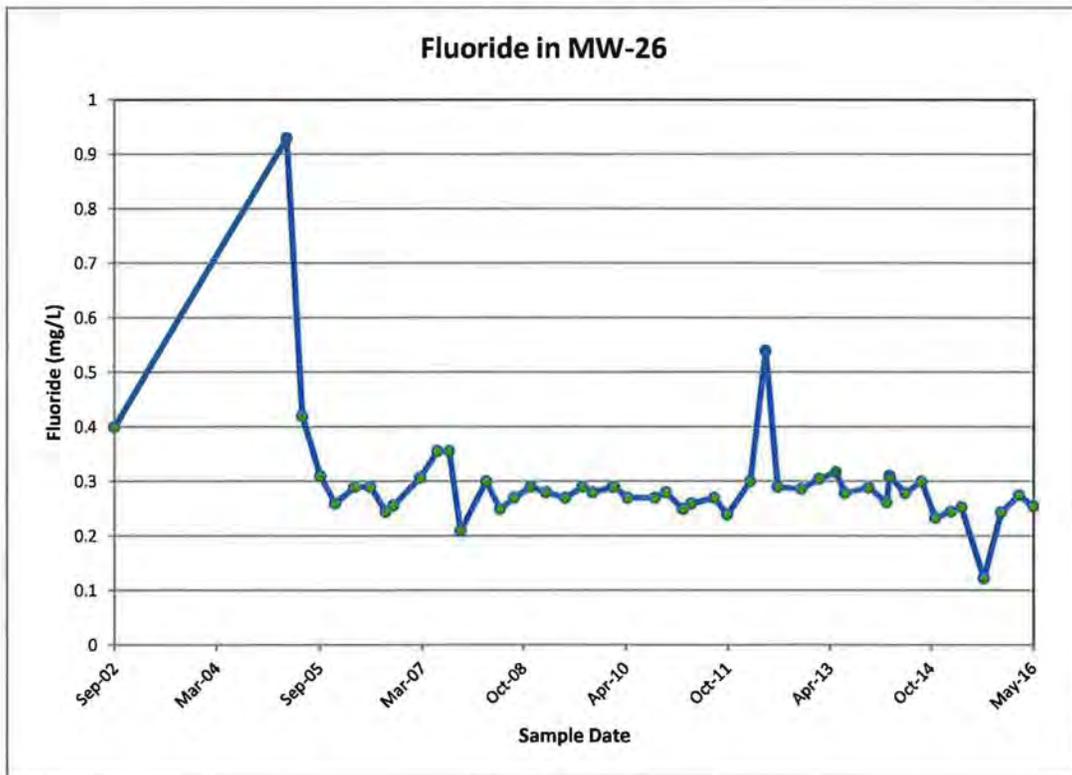
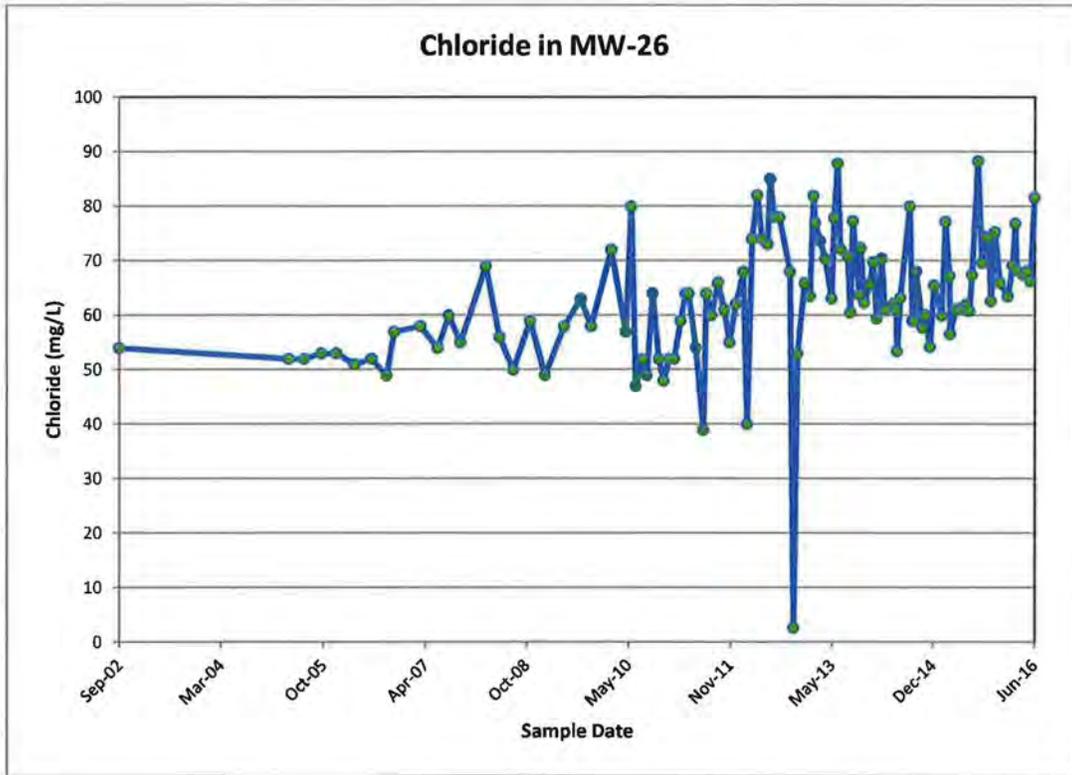
Time concentration plots for MW-25



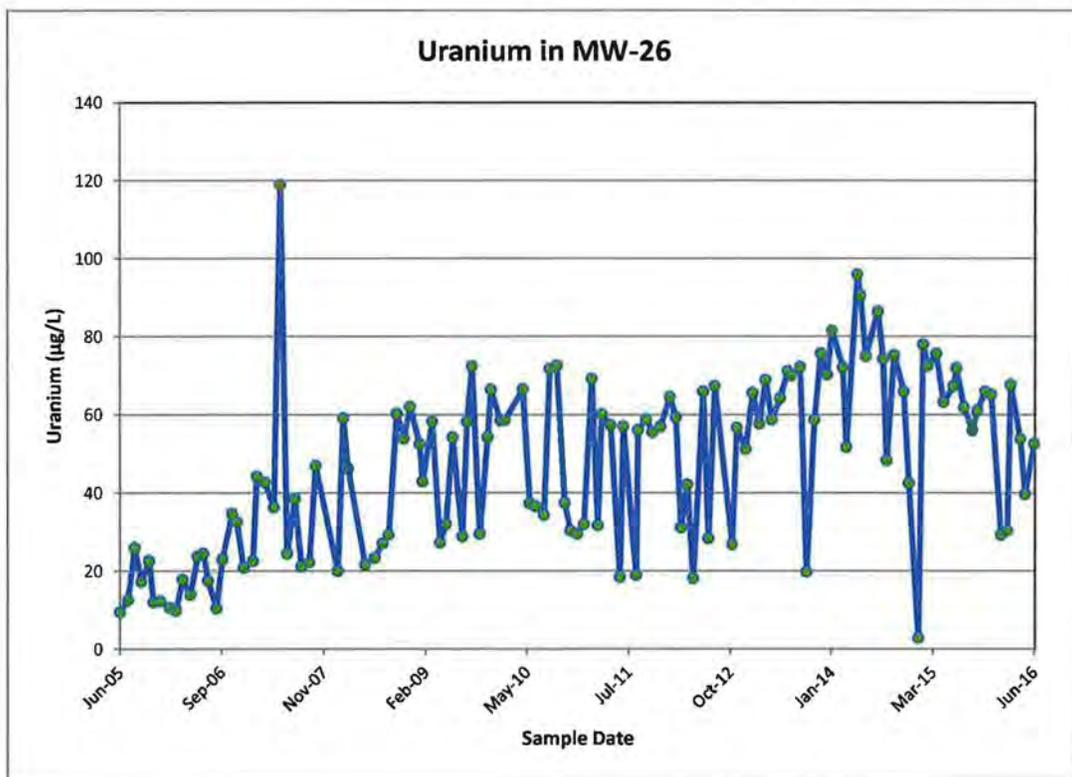
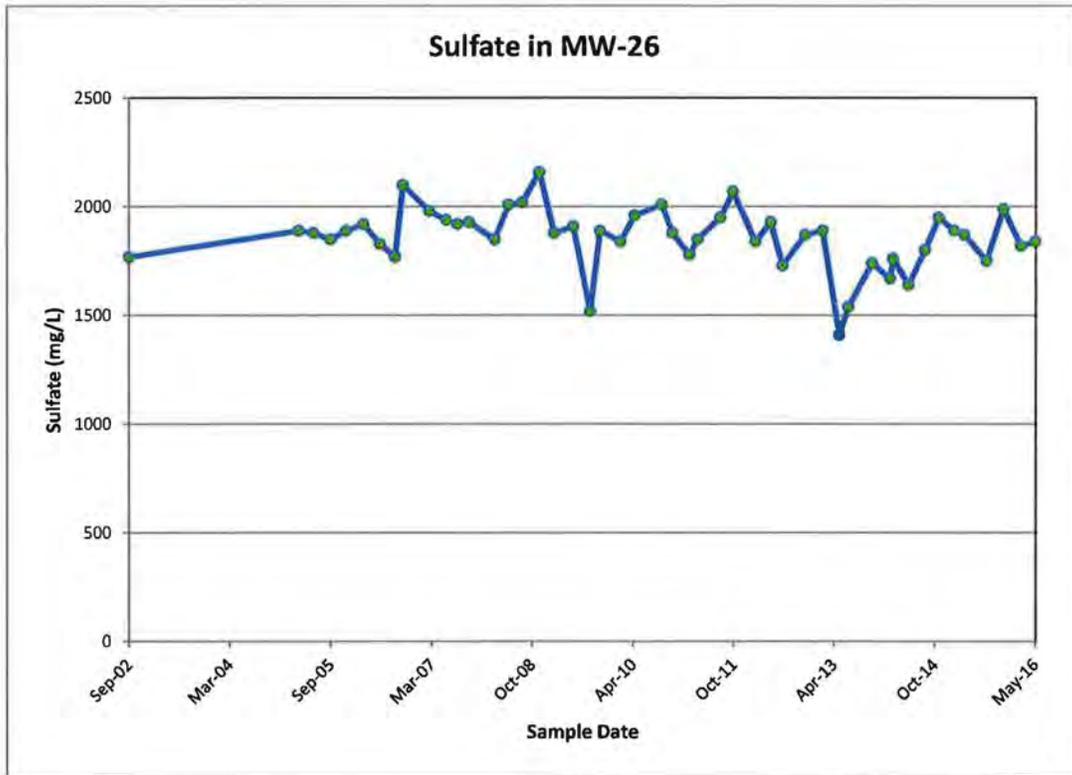
Time concentration plots for MW-25



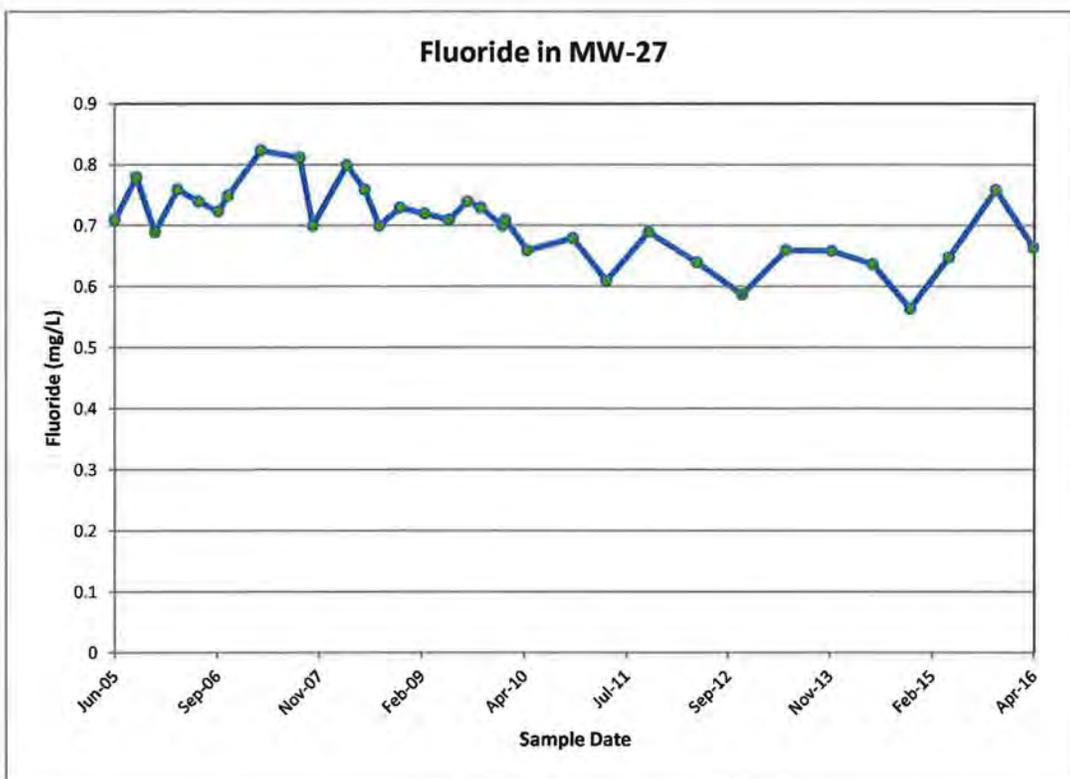
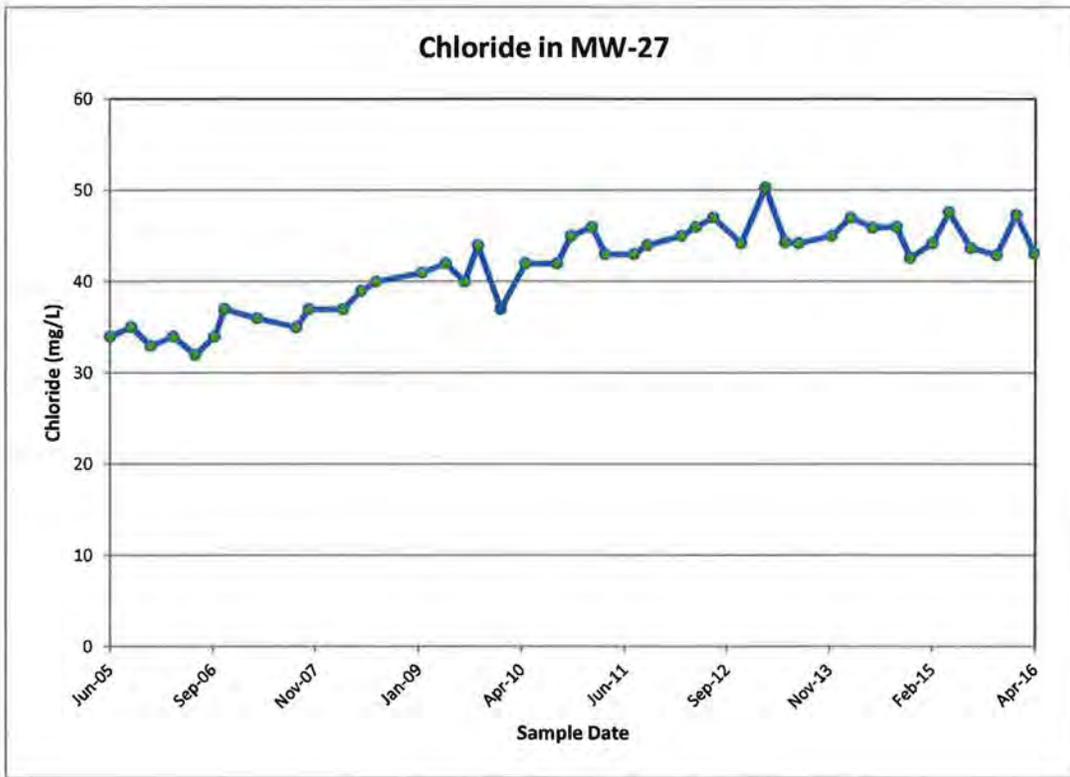
Time concentration plots for MW-26



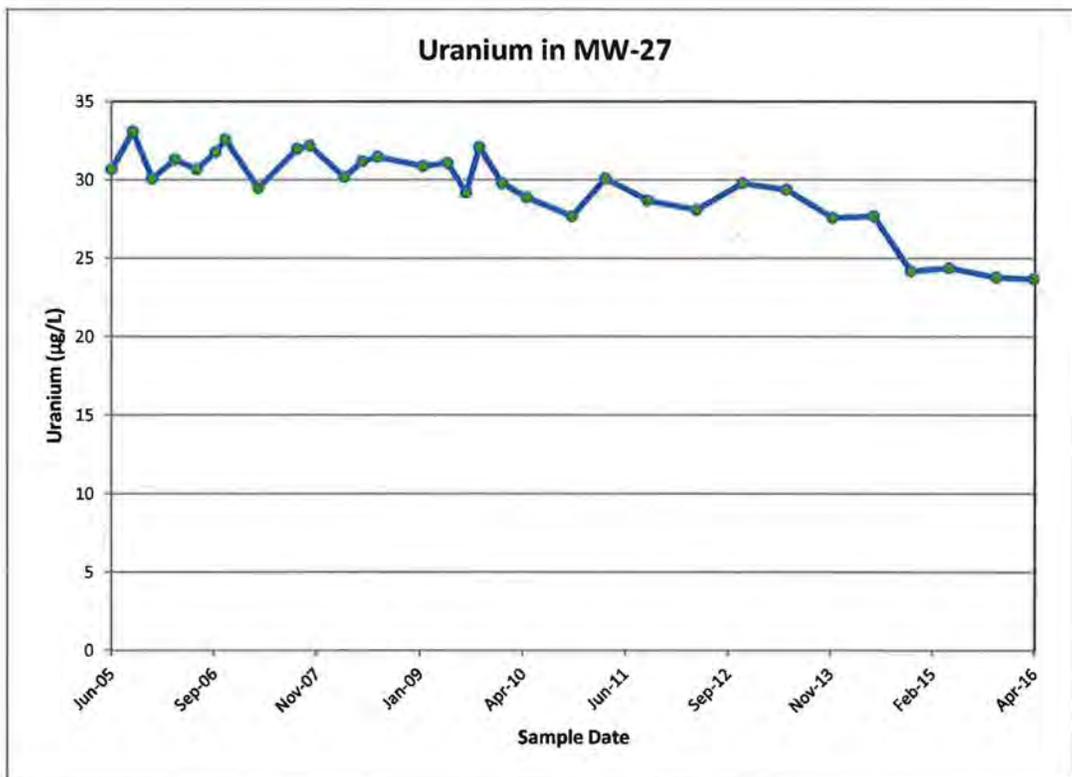
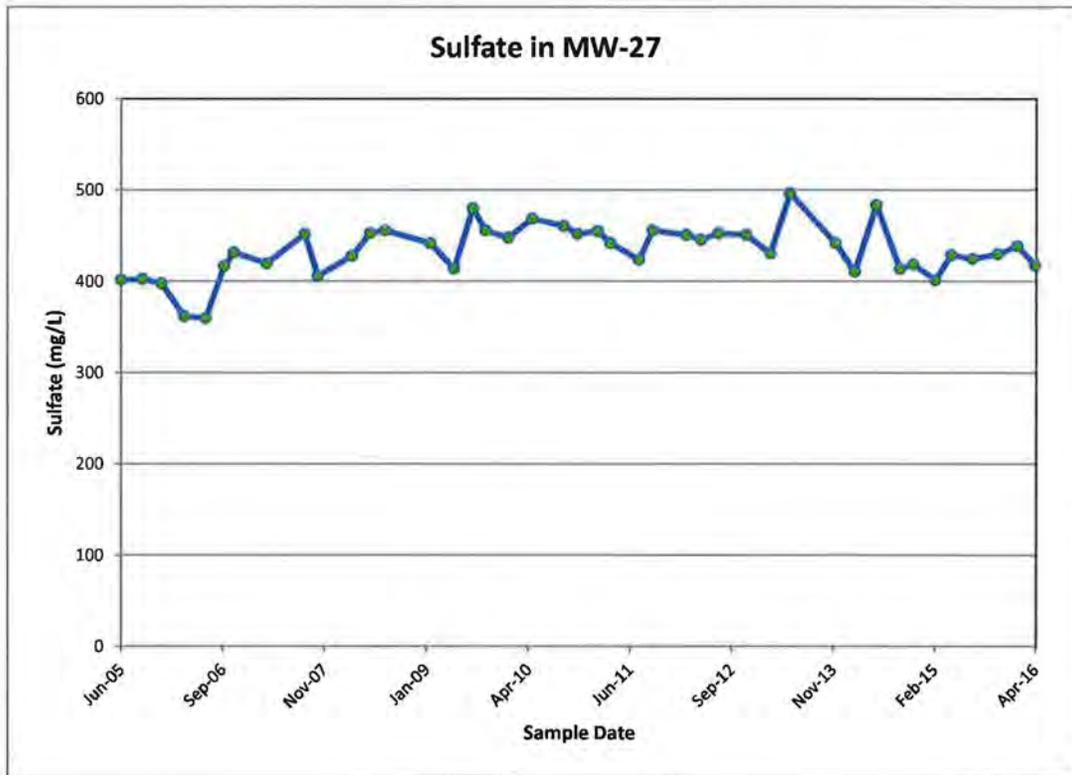
Time concentration plots for MW-26



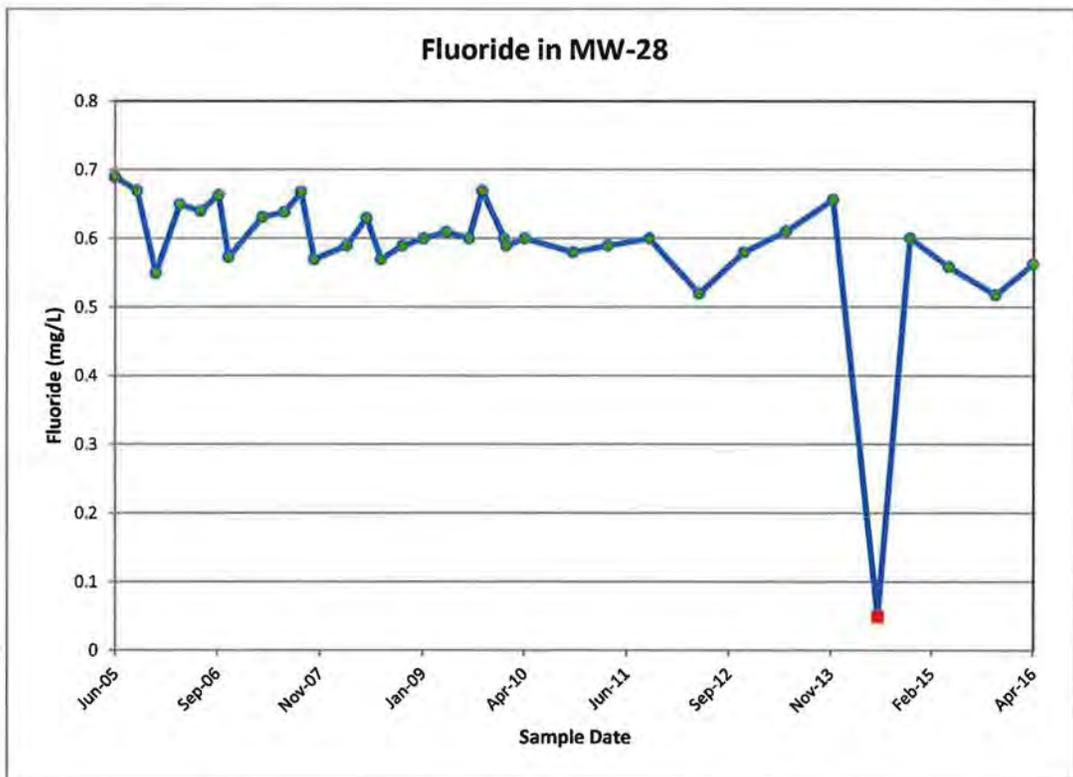
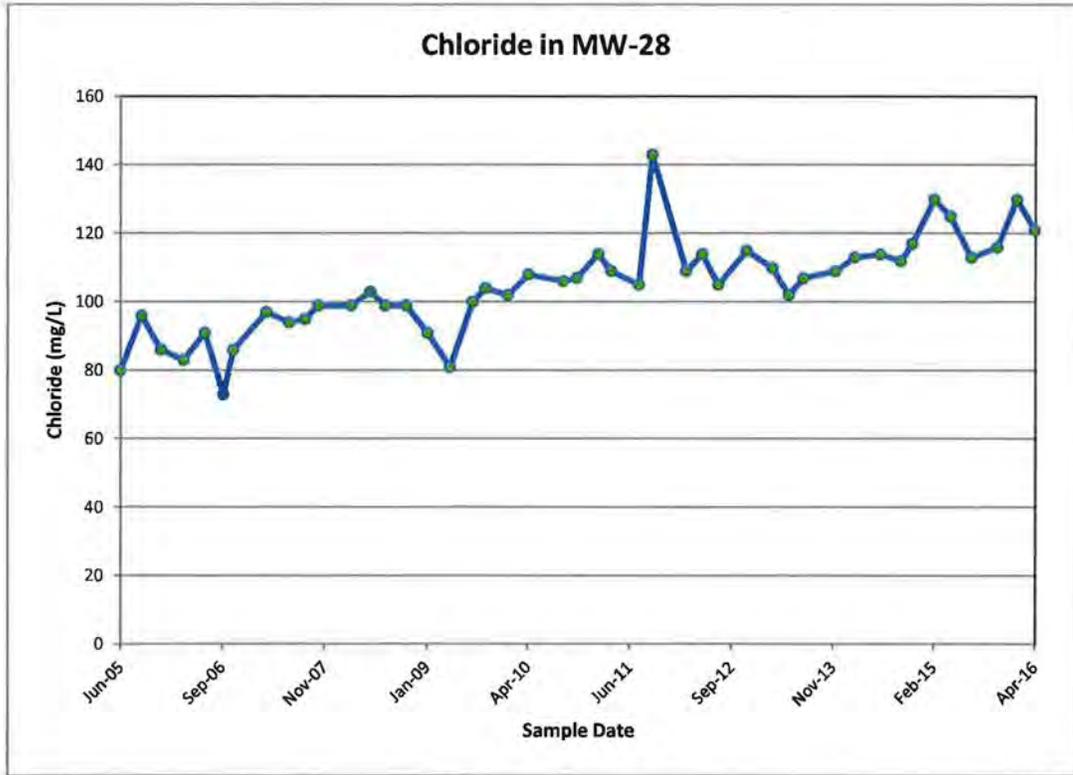
Time concentration plots for MW-27



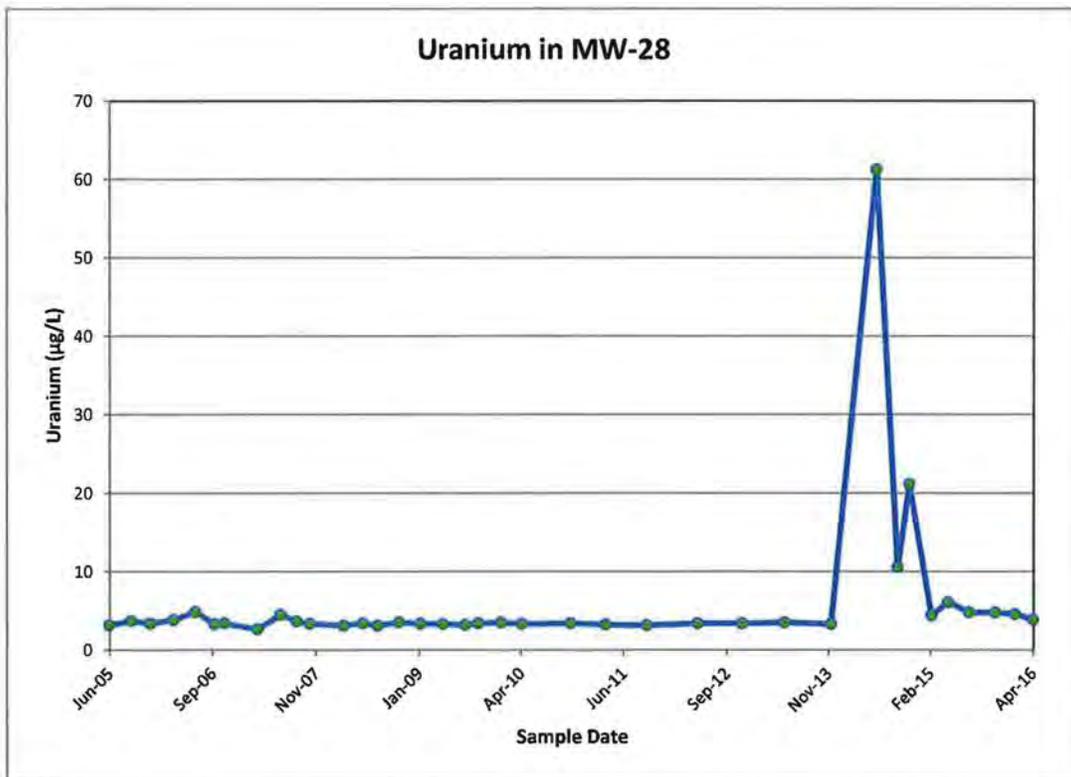
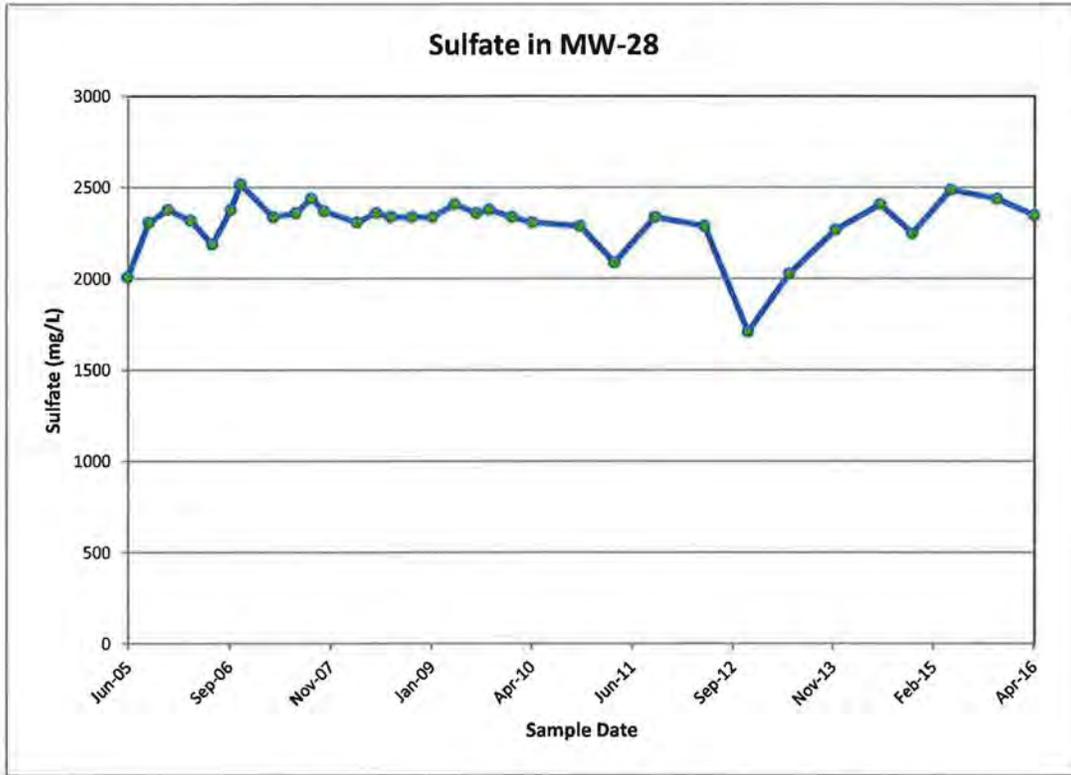
Time concentration plots for MW-27



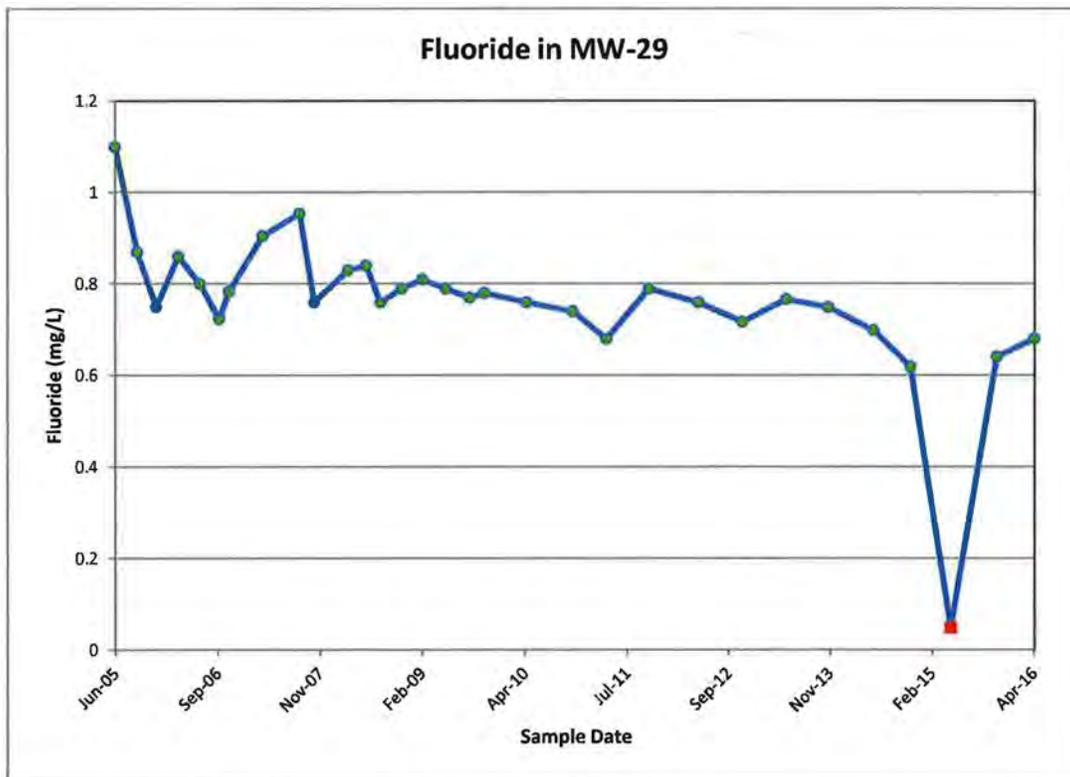
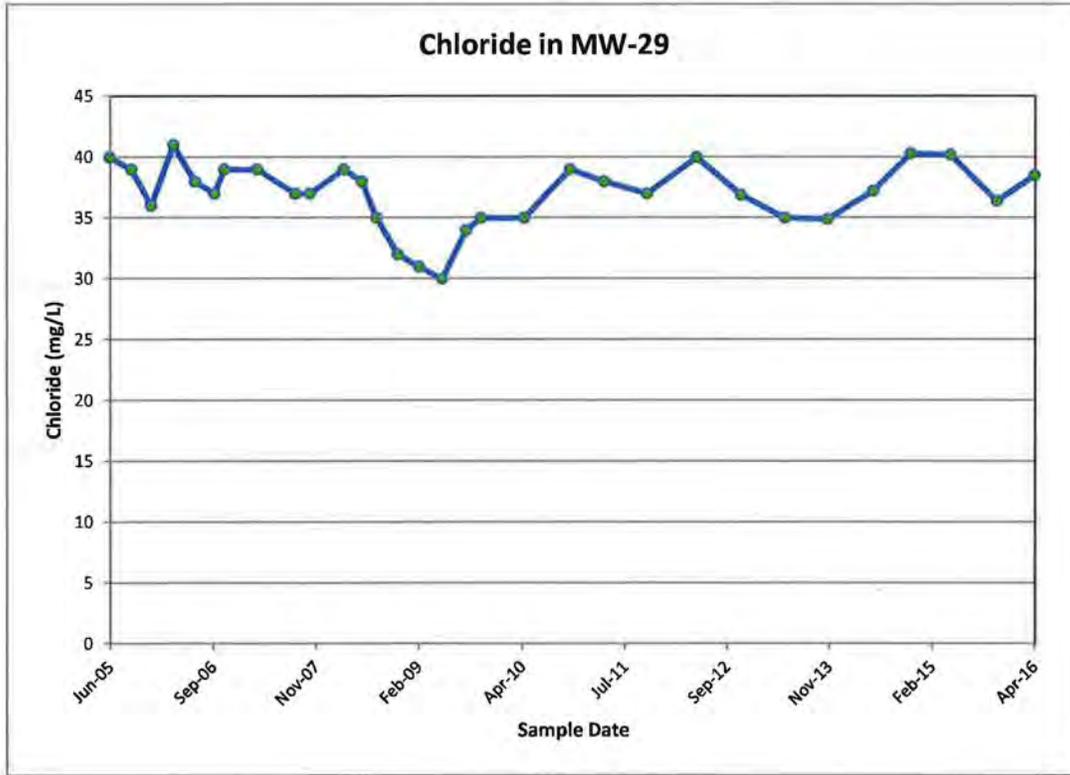
Time concentration plots for MW-28



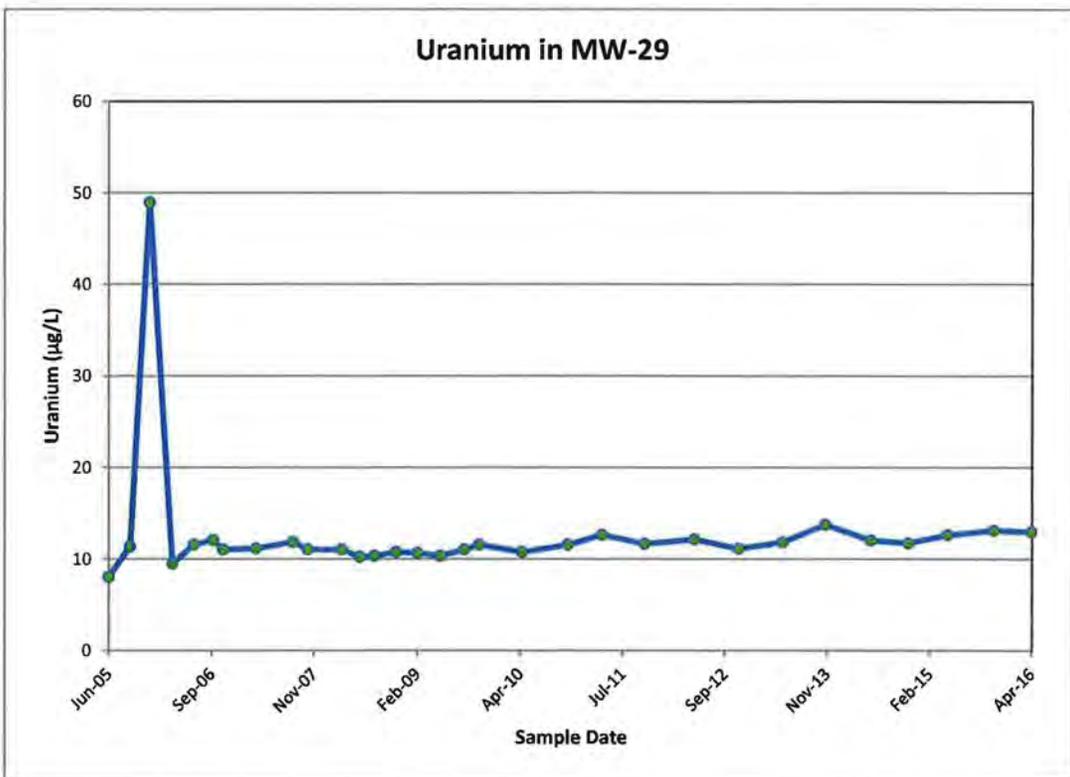
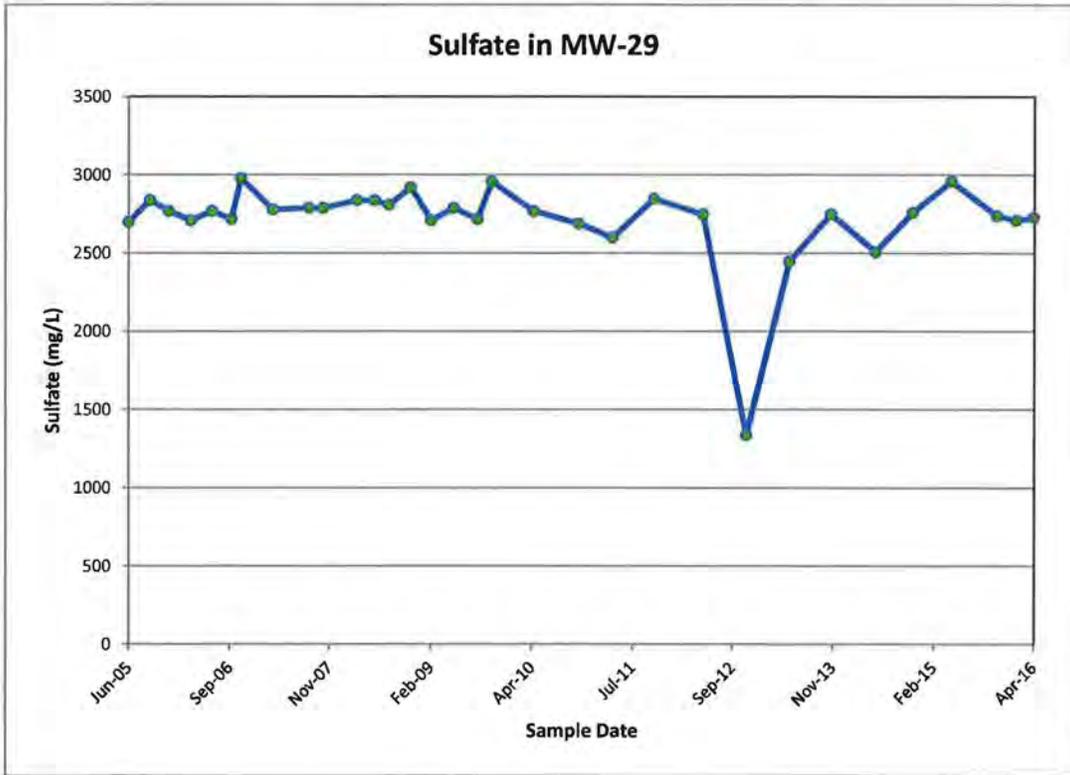
Time concentration plots for MW-28



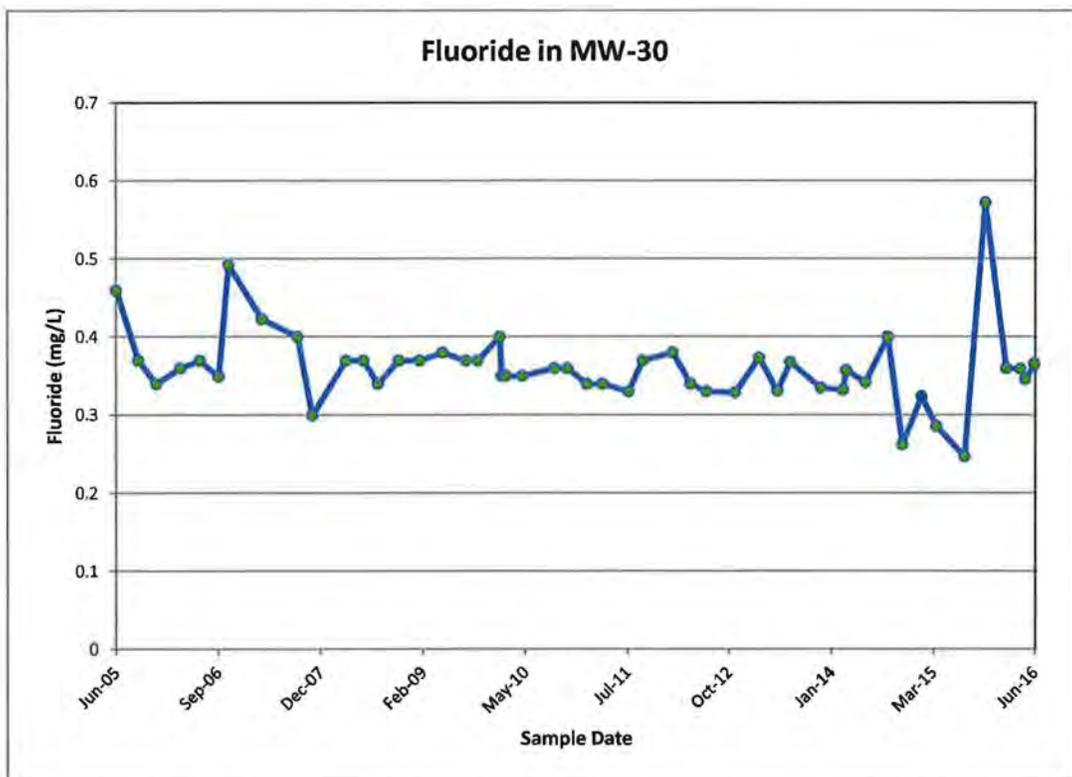
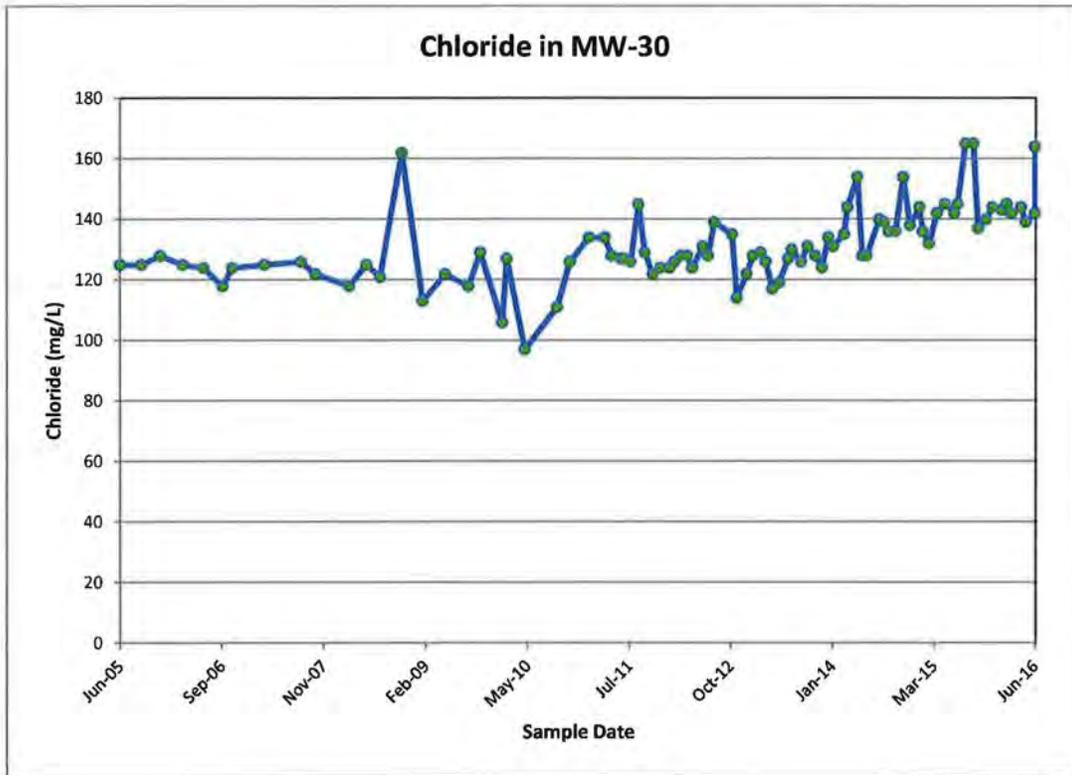
Time concentration plots for MW-29



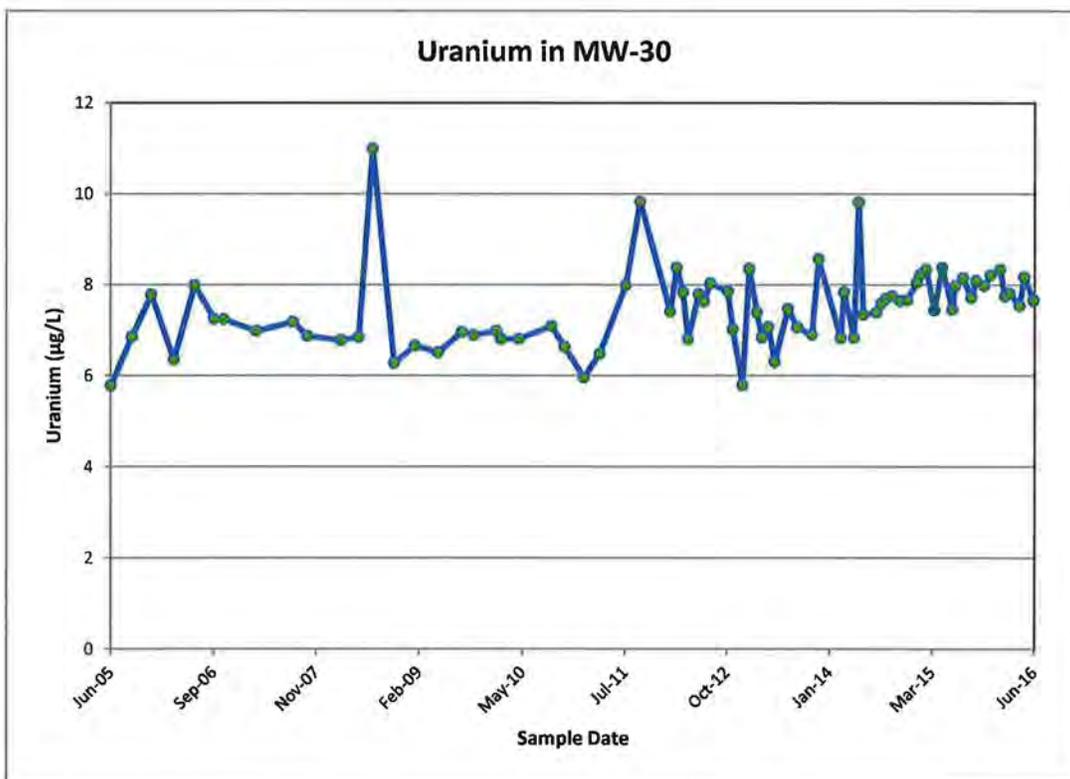
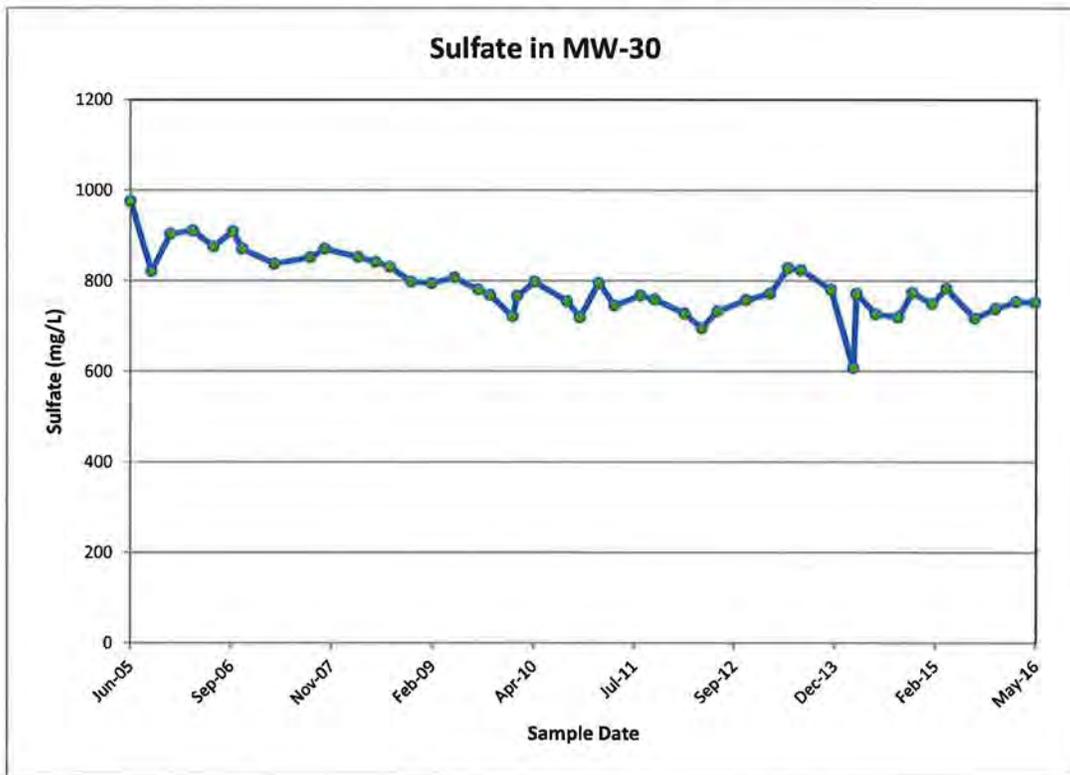
Time concentration plots for MW-29



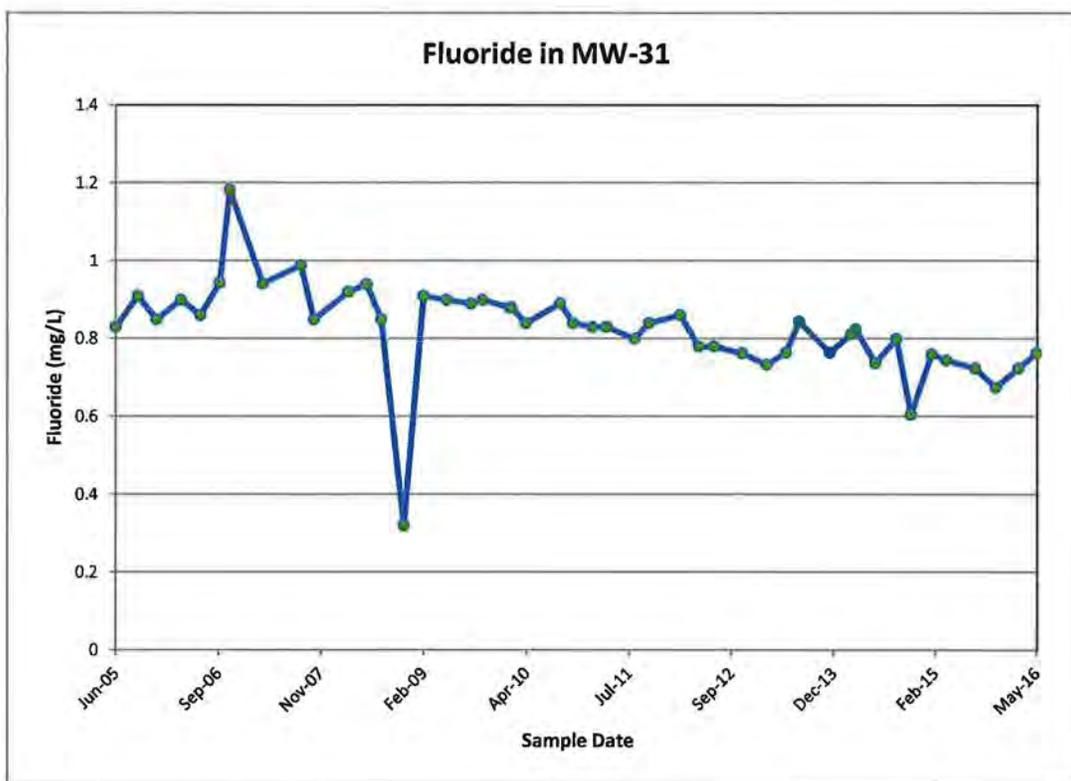
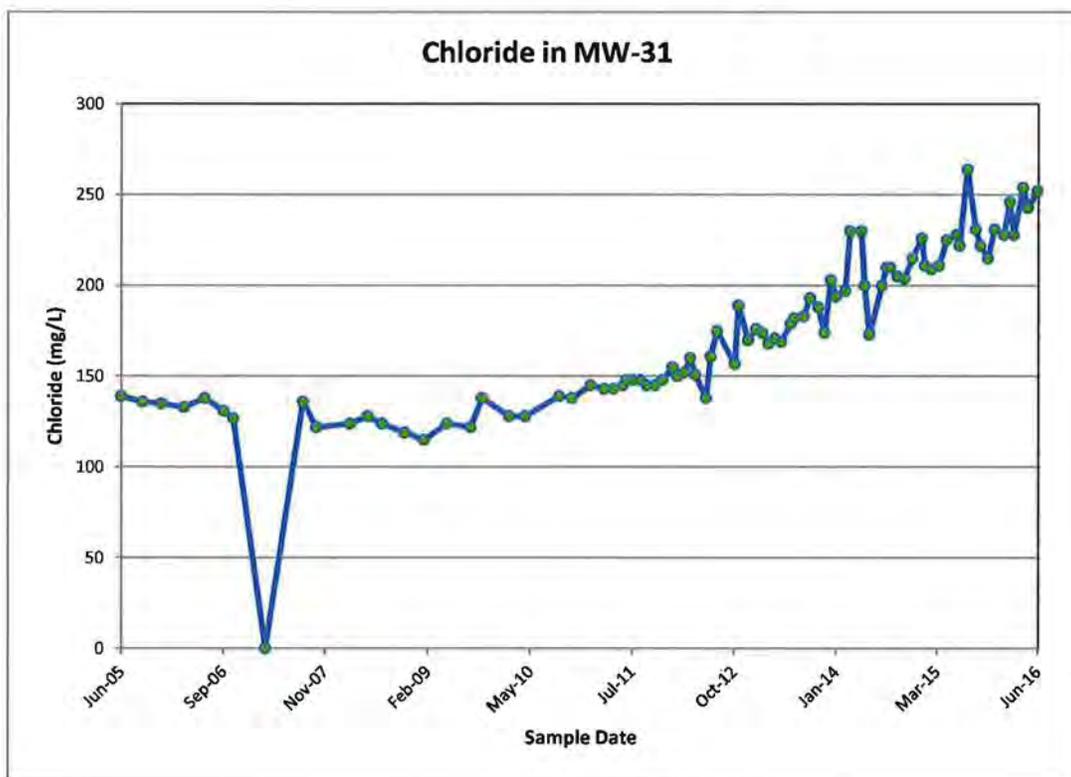
Time concentration plots for MW-30



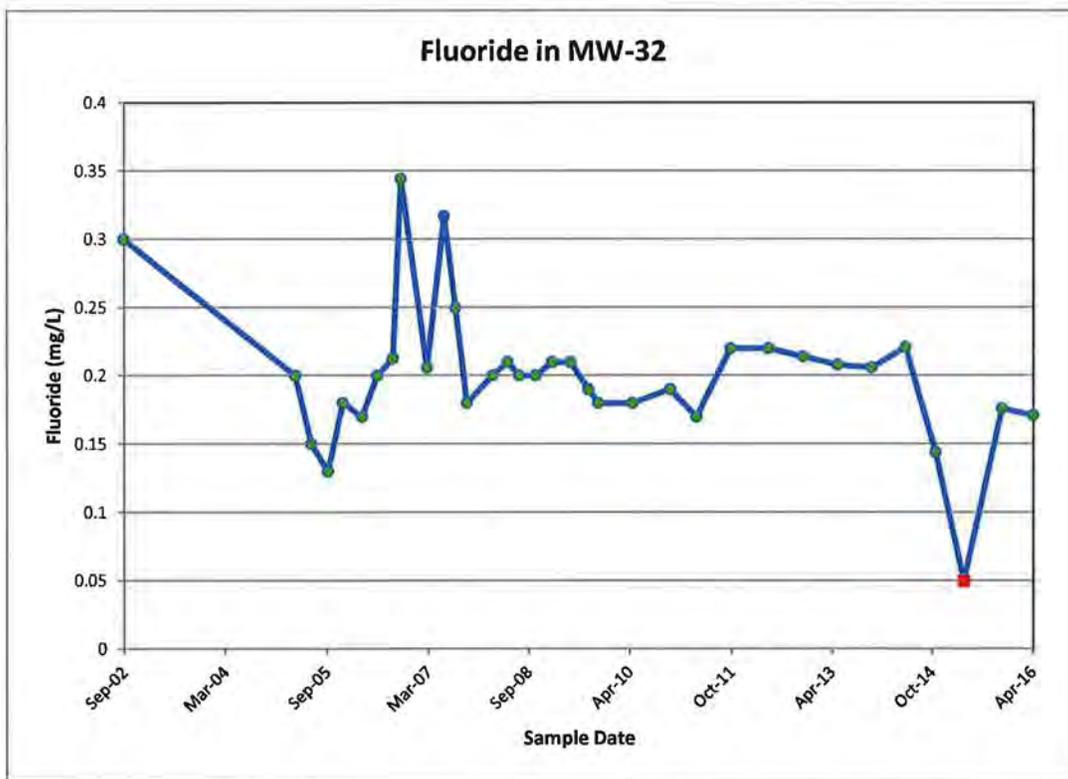
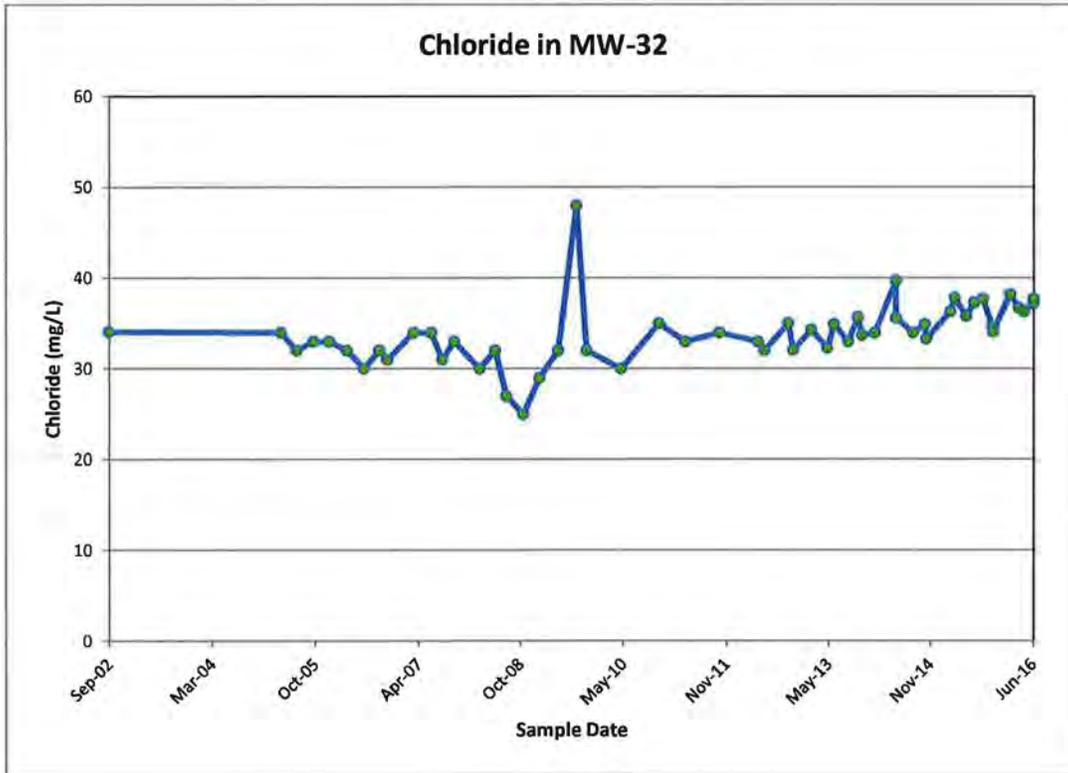
Time concentration plots for MW-30



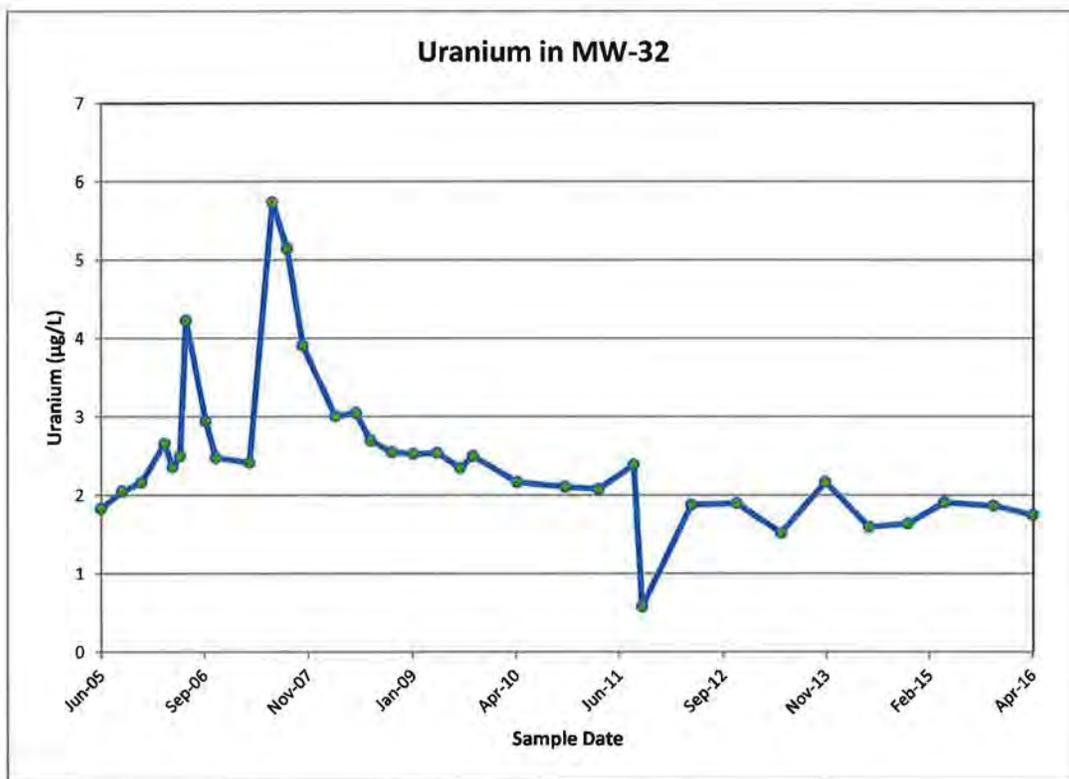
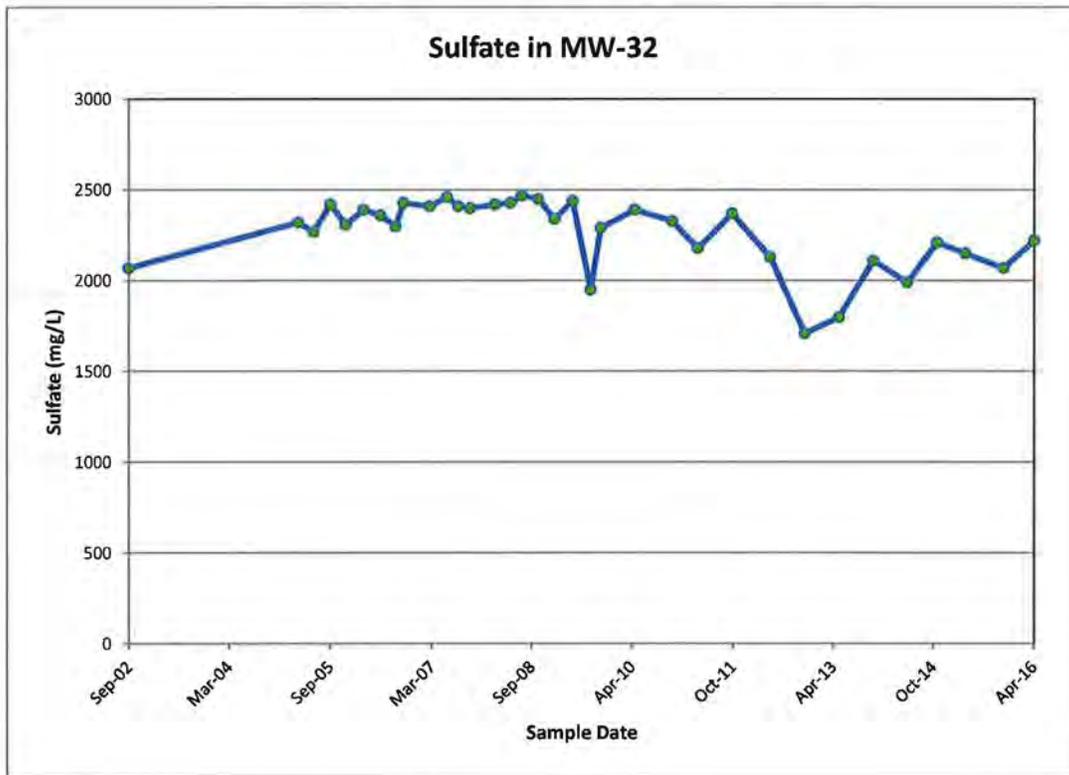
Time concentration plots for MW-31



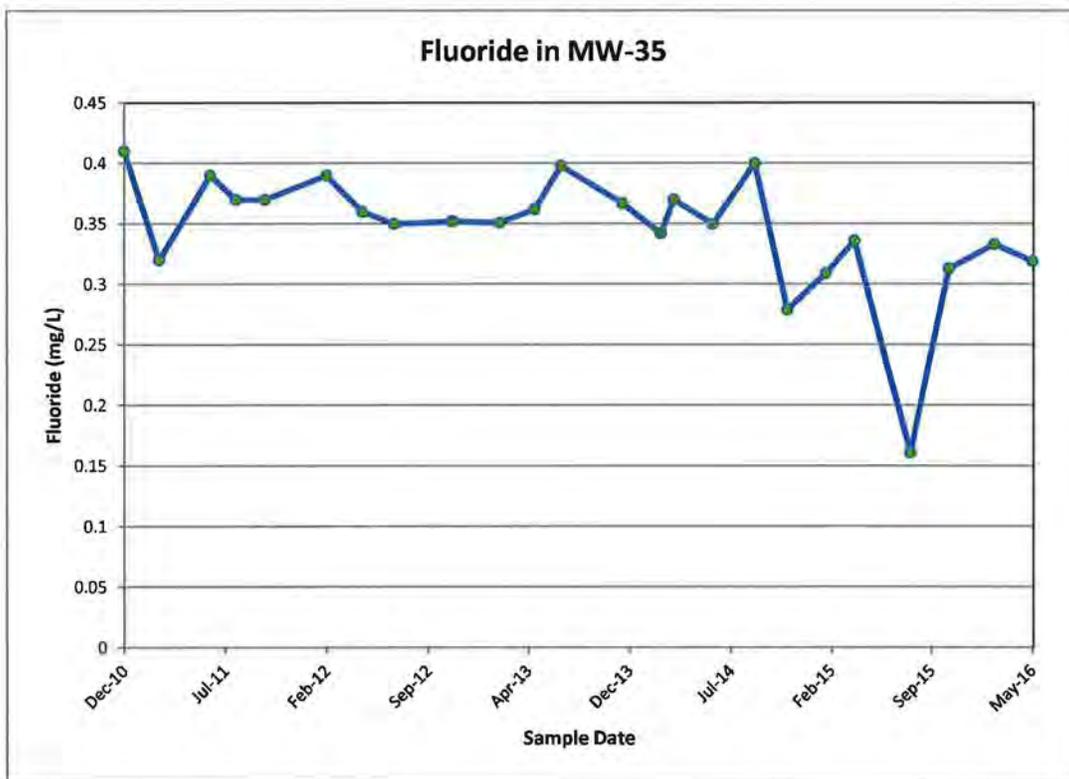
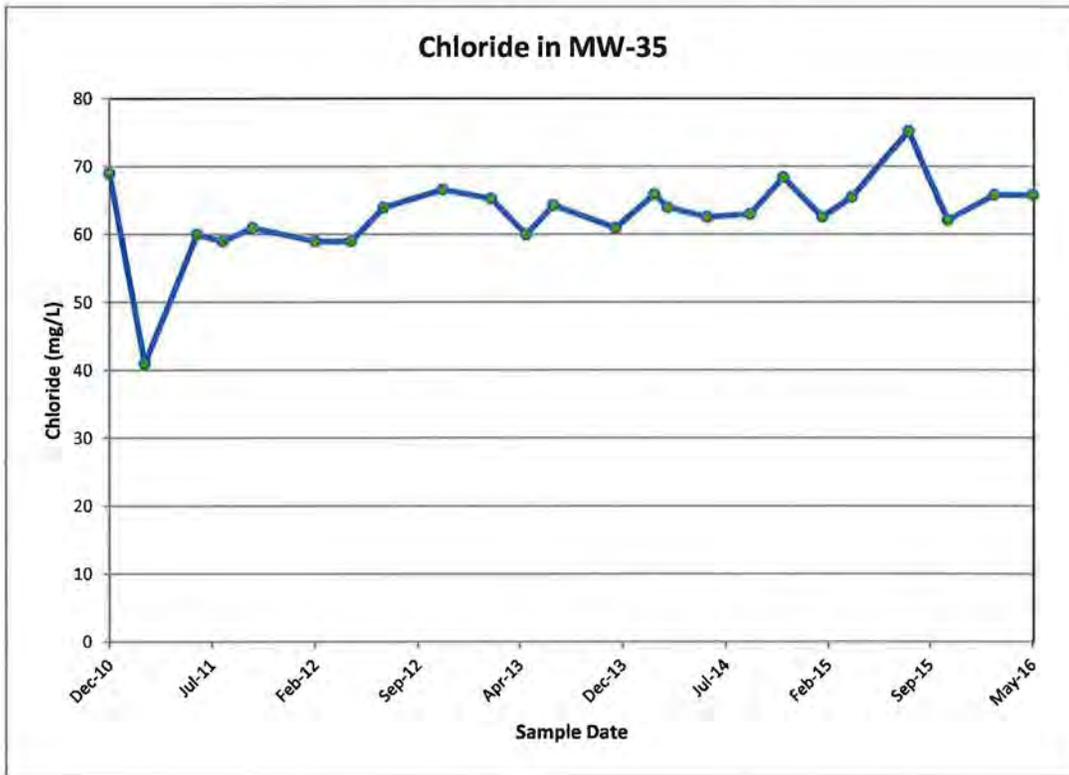
Time concentration plots for MW-32



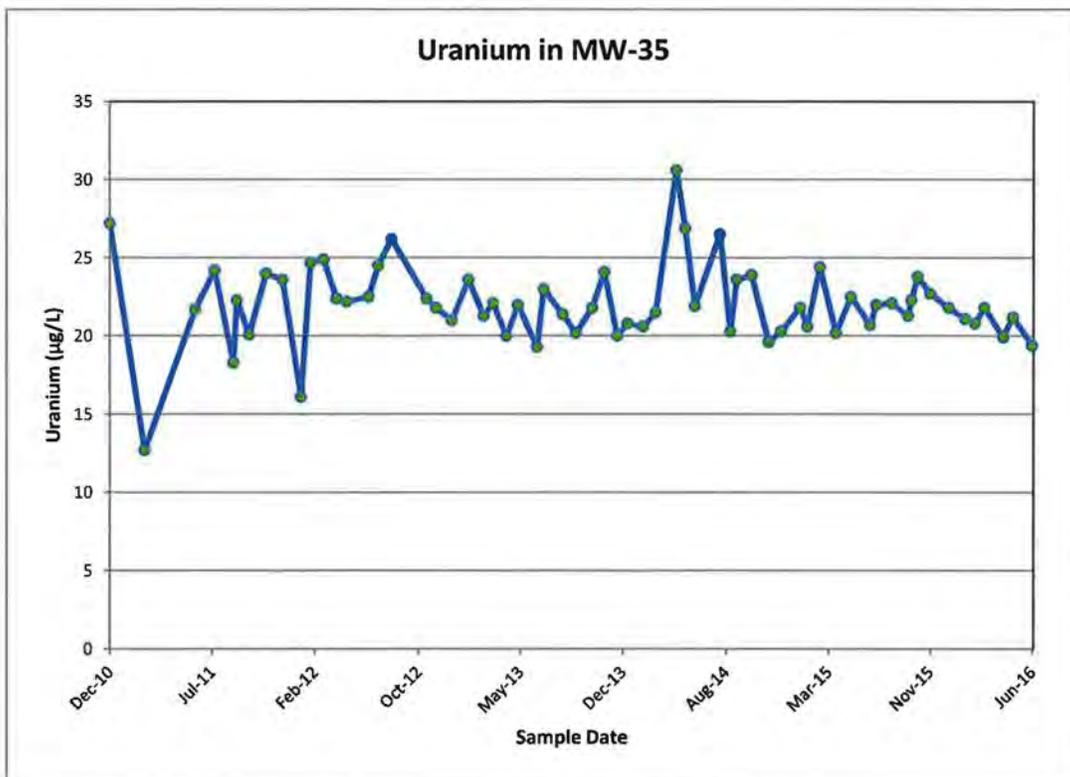
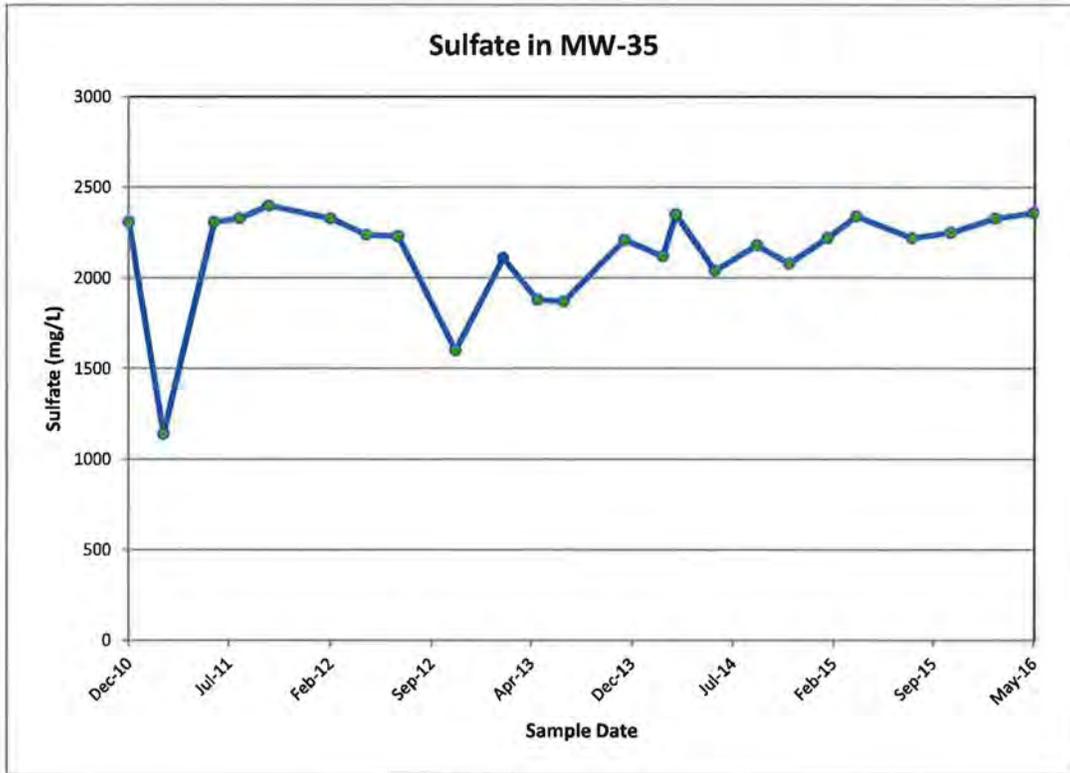
Time concentration plots for MW-32



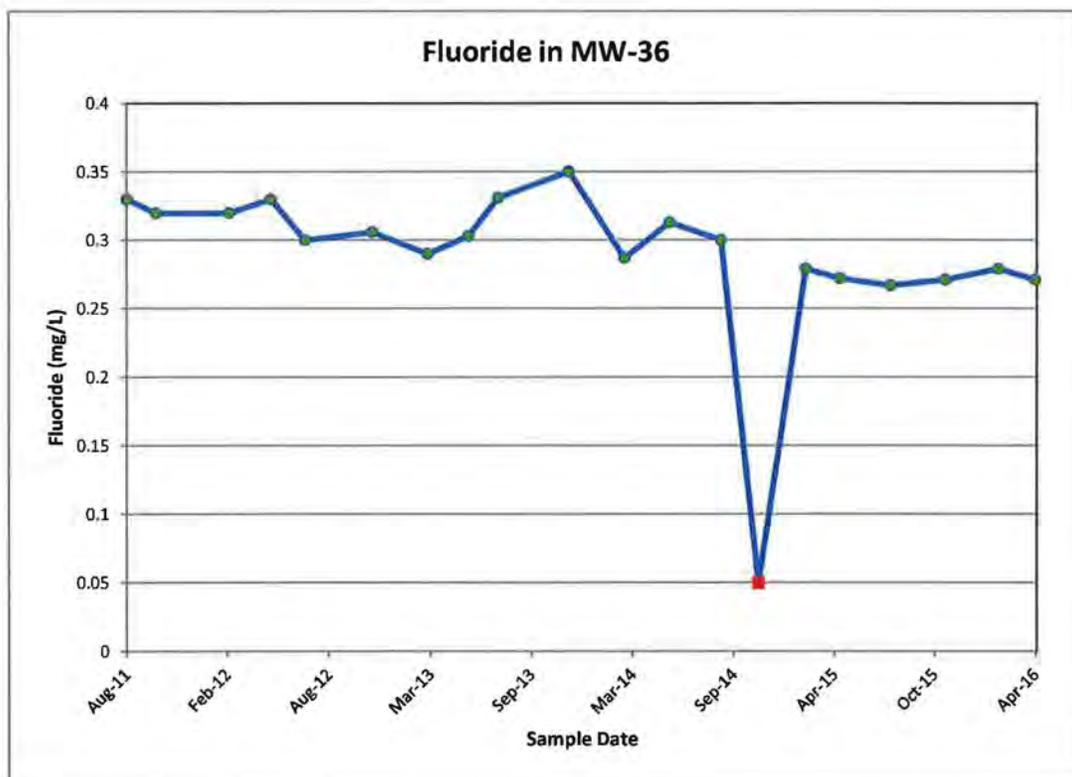
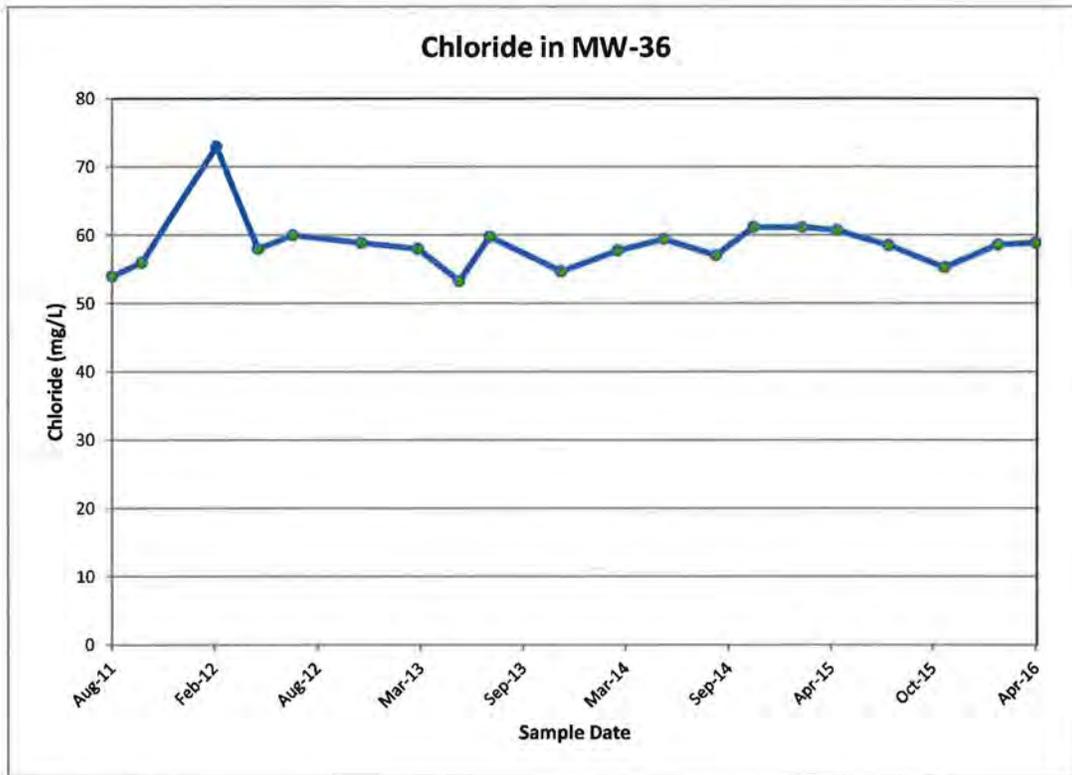
Time concentration plots for MW-35



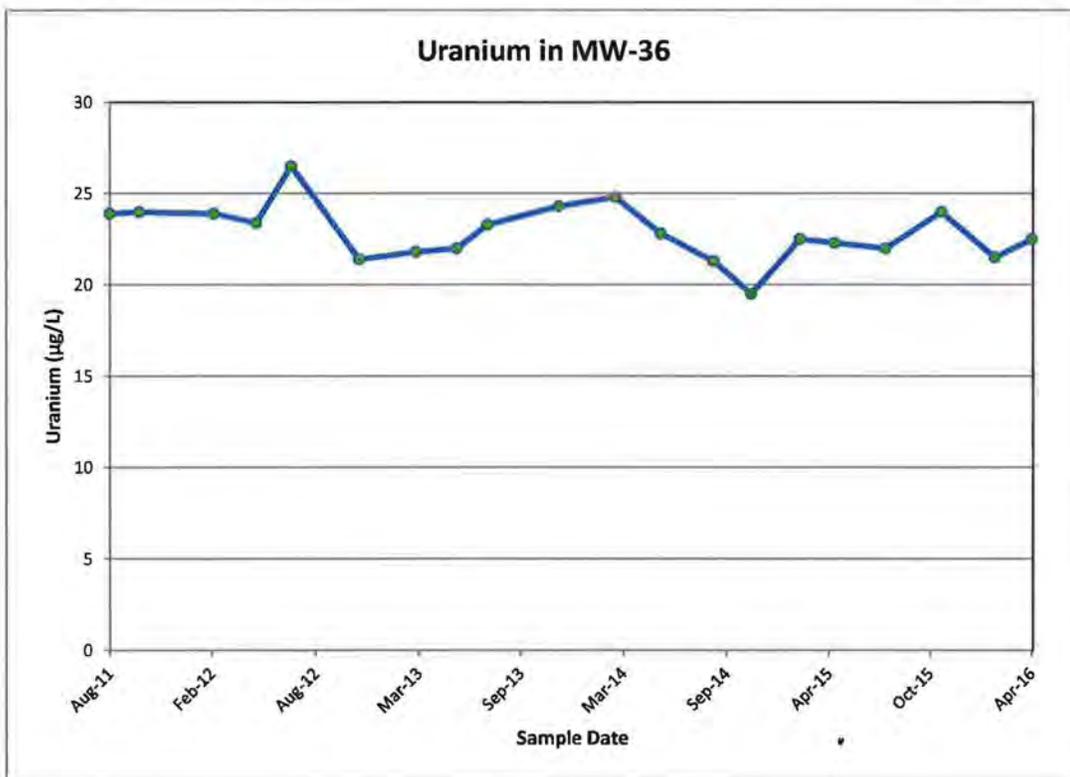
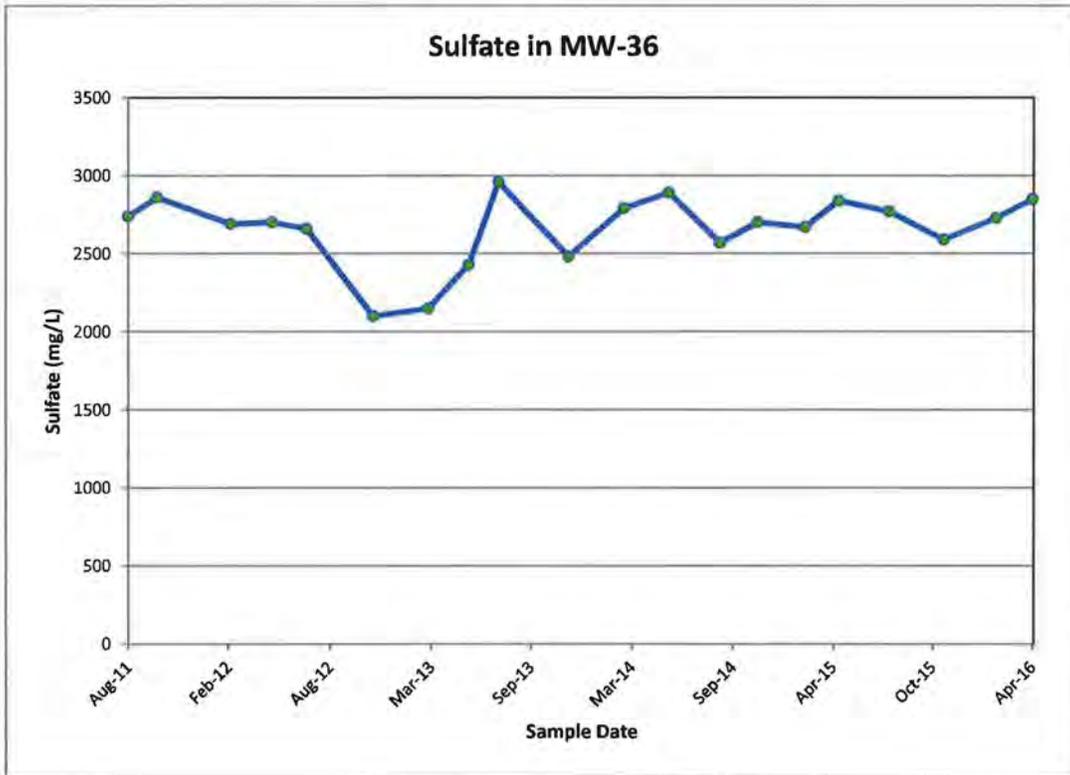
Time concentration plots for MW-35



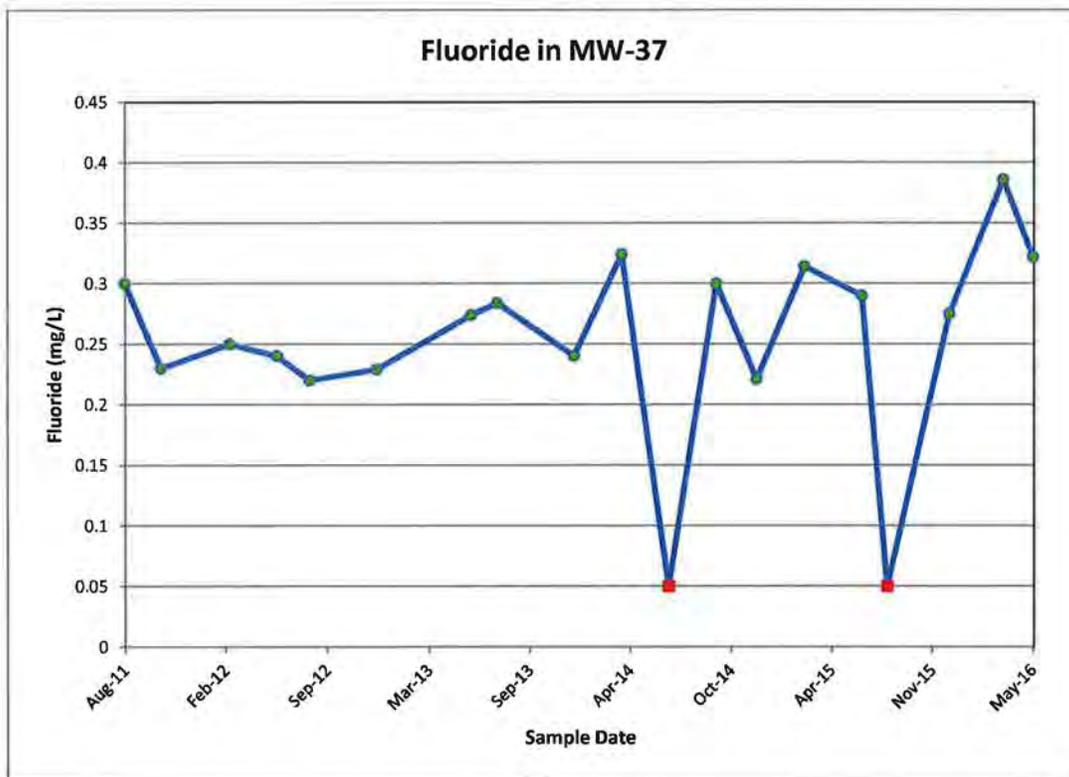
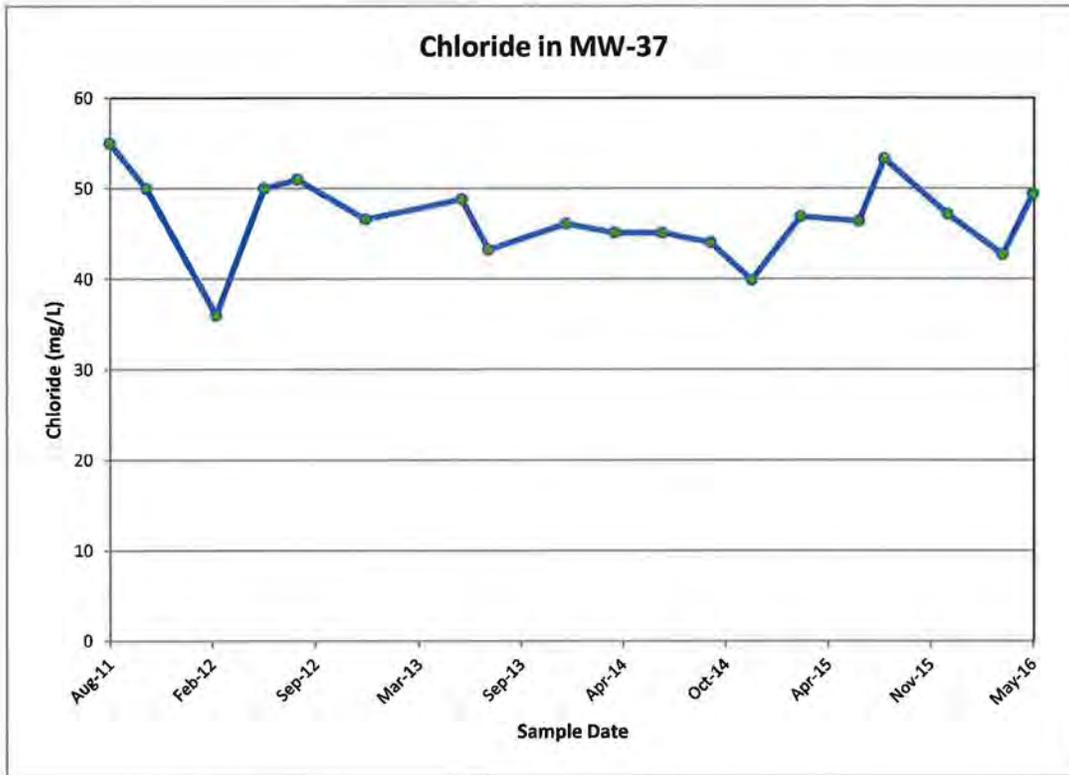
Time concentration plots for MW-36



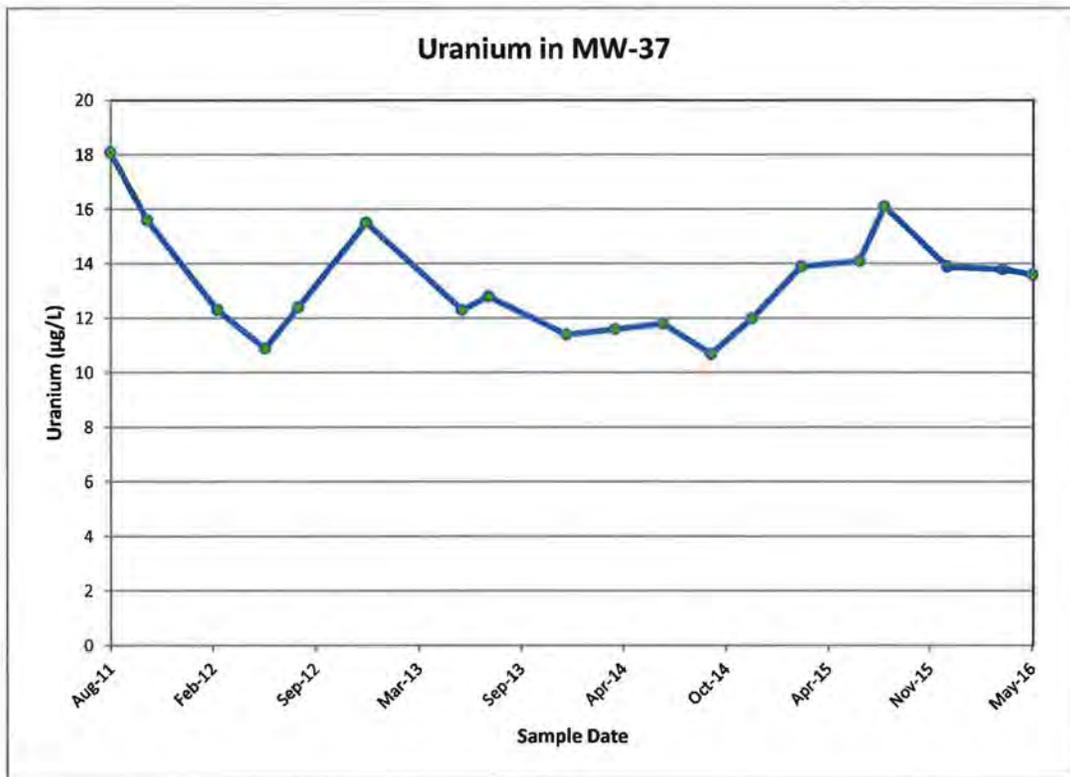
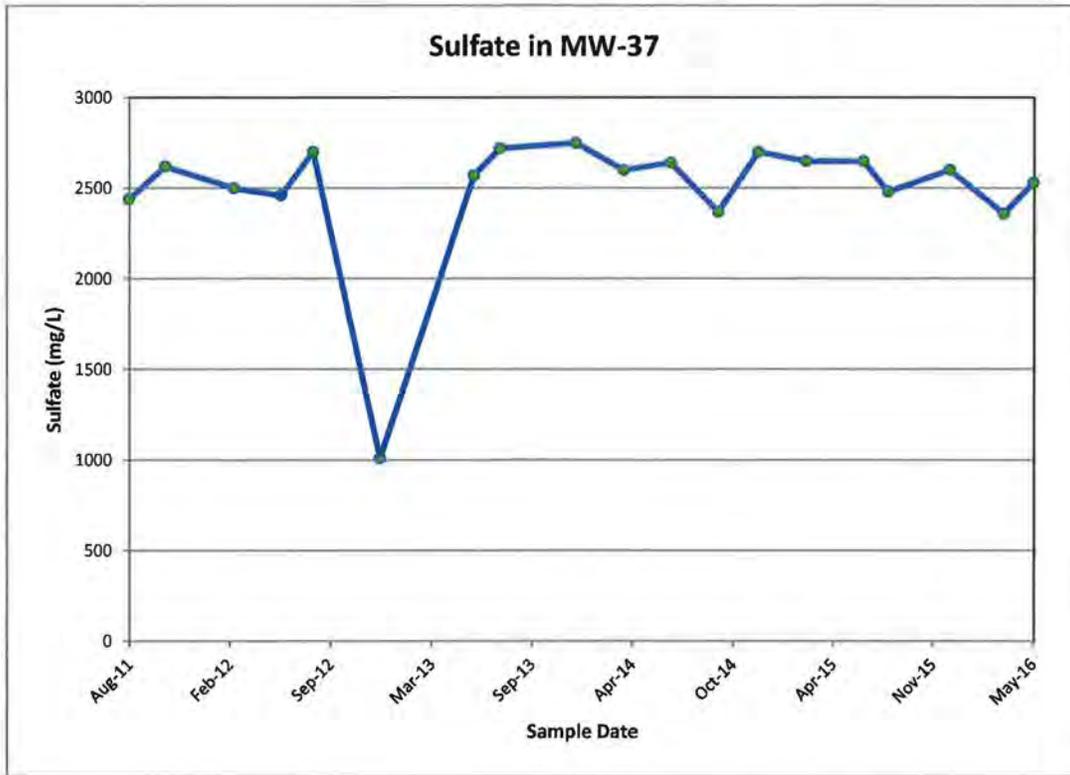
Time concentration plots for MW-36



Time concentration plots for MW-37



Time concentration plots for MW-37



Tab J

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Thursday, August 18, 2016 2:50 PM
To: Goble, Phillip
Cc: 'Thomas Rushing'; Harold Roberts; David Frydenlund; David Turk; Logan Shumway; Scott Bakken
Subject: Transmittal of CSV Files White Mesa Mill 2016 Q2 Groundwater Monitoring
Attachments: Q2 2016 GW data.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 second quarter of 2016, 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