Div of Waste Management
and Radiation Control

FEB 14 2017

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

DRC-2017-001161

February 10, 2017

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 4th 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 4th 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,
Kathy Weinel

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

cc: David C. Frydenlund
Mark Chalmers
David E. Turk
Scott Bakken
Logan Shumway

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White Mesa Uranium Mill

Groundwater Monitoring Report

State of Utah
Groundwater Discharge Permit No. UGW370004

4th Quarter
(October through December)
2016

Prepared by:

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

February 10, 2017

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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 fourth 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.

During this quarter, one resampling event was conducted. The metals aliquots for sample MW-17 and the associated duplicate (MW-70), which were initially collected on November 16, 2016, were resampled on December 13, 2016. The original metals aliquot for MW-17 was contaminated by the laboratory and was unusable. The initial aliquot for the remainder of the required parameters was unaffected by the laboratory issue and those aliquots were not recollected.

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 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 and third quarter 2016 results were below the GWCL. Per discussions with DWMRC, EFRI continued to collect cadmium data quarterly in MW-28 and assess the results and determine a path forward after the fourth quarter 2016 data were received. The fourth quarter cadmium result was below the GWCL and no further actions are required.

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

2.4.3.2 MW-03

Fluoride, selenium, field pH, beryllium, cadmium, zinc, thallium, sulfate, nitrate, tetrahydrofuran ("THF"), nickel, and manganese have exceeded their GWCLs intermittently, up to and including fourth quarter 2016. A SAR was submitted on October 10, 2012 which addressed fluoride and selenium. The field pH was addressed in reports submitted on November 9, 2012 and December 7, 2012. Cadmium, zinc, beryllium, nickel and sulfate were addressed in two Plans and Time Schedules dated September 10, 2015 and December 3, 2015. Exceedances of thallium and nitrate did not require the submission of a Plan and Time Schedule or SAR. Manganese and THF exceeded their respective GWCLs for two successive sampling periods ending in Q3 2016. Pursuant to the GWDP, a Plan and Time Schedule for manganese and THF should have been submitted as a result of the third quarter exceedances. However, a Plan and Time Schedule was unwarranted in light of other actions currently being undertaken by EFRI pursuant to discussions with DWMRC regarding the construction issues in MW-3. The above noted constituent concentrations have been noted to be highly variable and unpredictable during recent monitoring events in monitoring well MW-3, including the most recent fourth quarter 2016 results.

These concentration fluctuations are likely due to efforts to isolate a section of blank casing below the monitoring well screened interval using a well packer at the bottom of the screened interval as approved in the Plans and Time Schedules dated September 10, 2015 and December 3, 2015. It is likely that the well packer material, although thought to be inert, is reacting and causing fluctuating contaminant concentrations. The packer was installed in an effort to isolate sump in MW-3 which was one of several construction issues identified in MW-3. The sump was thought to be a major contributor to the inconsistent, historic results in MW-3. EFRI and DWMRC have been aware of the well construction issues at MW-3 since 2005, and as indicated in past communication, a replacement well, well MW-3A, was installed in close proximity to MW-3 in order to determine if the inconsistent results in MW-3 were valid. Based on eleven years of monitoring results for monitoring well MW-3A, which do not show the same issues as MW-3, it has been determined that the exceedances at monitoring well MW-3 are likely due to poor well construction, and that based on historical contaminants found in this well, including organic chemicals (THF), monitoring well MW-3 should be abandoned. Based on the suitability of MW-3A as a replacement for MW-3, and as noted in letters from DWMRC dated November 8, and November 16, 2016, EFRI abandoned MW-3 on November 30, 2016. The fourth quarter 2016 sample was collected prior to the abandonment and the data are therefore included in this report. MW-3 will not be included 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.

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

One trip blank for each of the monthly accelerated sample events was provided by AWAL and returned and analyzed with the accelerated monthly monitoring samples.

Rinsate samples were not collected during the quarter because equipment used during sample collection was dedicated and did not require decontamination. All wells except MW-20 and MW-37 have dedicated pumps for purging and sampling and as such no rinsate blanks 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-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-03A, MW-20 and MW-37. MW-03A, 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-03A, 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-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-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-03, MW-11, MW-14, MW-15, MW-18, MW-25, MW-27, MW-28, MW-29, MW-30, 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-11, MW-14, MW-25, MW-30, and MW-31 in the October monthly event and MW-25 and MW-31 in the December 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. 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

No corrective actions were identified in the third quarter 2016 report.

5.0 TIME CONCENTRATION PLOTS

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

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

6.0 ELECTRONIC DATA FILES AND FORMAT

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

7.0 SIGNATURE AND CERTIFICATION

This document was prepared by Energy Fuels Resources (USA) Inc. on February 10, 2017.

ENERGY FUELS RESOURCES (USA) INC.

By:

Scott A. Bakken
Senior Director Regulatory Affairs

Certification:

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

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

Tables

Table 1: Summary of Well Sampling for Q4 2016

Well	Normal Frequency	Purpose for sampling this quarter	Sample Date	Date of Lab Report
MW-01	Semi-annually	Semi-annually	11/8/2016	(11/30/16) [12/12/16]
MW-02	Semi-annually	Semi-annually	11/8/2016	(11/30/16) [12/12/16]
MW-03	Semi-annually	Semi-annually	11/8/2016	(11/30/16) [12/12/16]
MW-03A	Semi-annually	Semi-annually	11/8/2016	(11/30/16) [12/12/16]
MW-05	Semi-annually	Semi-annually	11/9/2016	(11/30/16) [12/12/16]
MW-11	Quarterly	Quarterly	11/7/2016	(11/30/16) [12/12/16]
MW-12	Semi-annually	Semi-annually	11/8/2016	(11/30/16) [12/12/16]
MW-14	Quarterly	Quarterly	11/2/2016	(11/29/16) [12/08/16]
MW-15	Semi-annually	Semi-annually	11/3/2016	(11/29/16) [12/08/16]
MW-17	Semi-annually	Semi-annually	11/16/2016	(12/16/16) [12/19/16]
MW-17 Resample	Semi-annually	Semi-annually	12/13/2016	(12/16/2016)
MW-18	Semi-annually	Semi-annually	11/2/2016	(11/29/16) [12/08/16]
MW-19	Semi-annually	Semi-annually	11/7/2016	(11/30/16) [12/12/16]
MW-20	Semi-annually	Semi-annually	11/16/2016	(12/16/16) [12/19/16]
MW-22	Semi-annually	Semi-annually	11/16/2016	(12/16/16) [12/19/16]
MW-23	Semi-annually	Semi-annually	11/16/2016	(12/16/16) [12/19/16]
MW-24	Semi-annually	Semi-annually	11/2/2016	(11/30/16) [12/12/16]
MW-25	Quarterly	Quarterly	11/2/2016	(11/29/16) [12/08/16]
MW-26	Quarterly	Quarterly	11/9/2016	(11/30/16) [12/12/16]
MW-27	Semi-annually	Semi-annually	11/1/2016	(11/29/16) [12/08/16]
MW-28	Semi-annually	Semi-annually	11/1/2016	(11/29/16) [12/08/16]
MW-29	Semi-annually	Semi-annually	11/8/2016	(11/30/16) [12/12/16]
MW-30	Quarterly	Quarterly	11/3/2016	(11/29/16) [12/08/16]
MW-31	Quarterly	Quarterly	11/1/2016	(11/29/16) [12/08/16]
MW-32	Semi-annually	Semi-annually	10/31/2016	(11/29/16) [12/08/16]
MW-35	Quarterly	Background	11/9/2016	(11/30/16) [12/12/16]
MW-36	Quarterly	Background	11/9/2016	(11/30/16) [12/12/16]
MW-37	Quarterly	Background	11/16/2016	(12/16/16) [12/19/16]
MW-65	1 per Batch	Duplicate of MW-36	11/9/2016	(11/29/16) [12/08/16]
MW-70	1 per Batch	Duplicate of MW-17	11/16/2016	(12/16/16) [12/19/16]
MW-70 Resample	Semi-annually	Semi-annually	12/13/2016	(12/16/2016)
Accelerated October Monthly				
MW-11	Monthly	Accelerated	10/5/2016	(10/20/16)
MW-14	Monthly	Accelerated	10/5/2016	No laboratory data - well was sampled for field pH only
MW-25	Monthly	Accelerated	10/4/2016	(10/20/16)
MW-26	Monthly	Accelerated	10/6/2016	(10/20/16)
MW-30	Monthly	Accelerated	10/5/2016	(10/20/16)
MW-31	Monthly	Accelerated	10/4/2016	(10/20/16)
MW-35	Monthly	Accelerated	10/4/2016	(10/20/16) [11/14/16]
MW-65	1 per Batch	Duplicate of MW-35	10/4/2016	(10/20/16) [11/14/16]
Accelerated December Monthly				
MW-11	Monthly	Accelerated	12/6/2016	(12/21/16)
MW-14	Monthly	Accelerated	12/6/2016	No laboratory data - well was sampled for field pH only
MW-25	Monthly	Accelerated	12/5/2016	(12/21/16)
MW-26	Monthly	Accelerated	12/6/2016	(12/21/16)
MW-30	Monthly	Accelerated	12/6/2016	(12/21/16)
MW-31	Monthly	Accelerated	12/5/2016	(12/21/16)
MW-35	Monthly	Accelerated	12/5/2016	*(12/20/16)* (12/21/16)
MW-65	1 per Batch	Duplicate of MW-30	12/6/2016	(12/21/16)

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 Sampling[1]							
MW-11 (Class II)	Manganese (ug/L)	131.29	134	Quarterly	Monthly	Q1 2010	May 2010
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	6.45	Quarterly	Monthly	Q1 2010	May 2010
MW-25 (Class III)	Uranium (ug/L)	6.5	6.54	Quarterly	Monthly	January 2016	April 2016
	Cadmium (ug/L)	1.5	1.51	Quarterly	Monthly	Q1 2016	April 2016
	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
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	21.7	Quarterly	Monthly	Q1 2010	May 2010
	TDS (mg/L)	1320	1330	Quarterly	Monthly	Q3 2010	January 2011
	Sulfate (mg/L)	532	539	Quarterly	Monthly	Q4 2010	March 2011
	Selenium (ug/L)	71	74	Quarterly	Monthly	Q3 2012	December 2012
	Uranium (ug/L)	9.1	9.41	Quarterly	Monthly	Q3 2016	December 2016
	Field pH (S.U.)	6.5 - 8.5	6.45	Quarterly	Monthly	February 2014	June 2014
	Chloride (mg/L)	143	145	Quarterly	Monthly	Q1 2011	May 2011
MW-35 (Class II)	Uranium (ug/L)	7.5	21.7	Quarterly	Monthly	Q3 2011	July 2011
	Selenium (ug/L)	12.5	19.7	Quarterly	Monthly	Q1 2012	June 2012
	Field pH (S.U.)	6.5 - 8.5	6.49	Quarterly	Monthly	July 2011	August 2011
	Gross Alpha minus Rn & U (pCi/L)	3.75	4.5	Quarterly	Monthly	Q3 2011	Q4 2011
	Manganese (ug/L)	200	369	Quarterly	Monthly	Q3 2011	July 2011
Semi-Annual Wells Accelerated to Quarterly Sampling[1]							
Monitoring Well (Water Class)	**Constituent Exceeding GWCL**	**GWCL in Current GWDP**	**First Result Exceeding the**	**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
	Nickel (ug/L)	100	113	Semi-Annually	Quarterly	Q3 2016	Well to be abandoned
	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
MW-12 (Class III)	Field pH (S.U.)	6.5 - 8.5	6.13	Semi-Annually	Quarterly	Q1 2014	Q2 2014
	Selenium (ug/L)	25	33.3	Semi-Annually	Quarterly	Q4 2014	Q3 2015
MW-15 (Class III)	Selenium (ug/L)	128.7	152	Semi-Annually	Quarterly	Q2 2012	Q3 2012
	Field pH (S.U.)	6.62 - 8.5	6.61	Semi-Annually	Quarterly	Q4 2013	Q2 2014
MW-18 (Class III)	Thallium (ug/L)	1.95	3.73	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Sulfate (mg/L)	1938.9	1950	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Field pH (S.U.)	6.25 - 8.5	6.16	Semi-Annually	Quarterly	Q1 2014	Q2 2014
	TDS (mg/L)	3198.77	3280	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-19 (Class III)	Nitrate + Nitrite (as N) (mg/L)	2.83	4	Semi-Annually	Quarterly	Q4 2011	Q1 2012
	Field pH (S.U.)	6.78-8.5	6.61 (6.66)	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	6.26	Semi-Annually	Quarterly	Q4 2016	Q1 2017
MW-24 (Class III)	Cadmium (ug/L)	2.5	4.28	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Fluoride (mg/L)	0.36	0.558	Semi-Annually	Quarterly	Q4 2012	Q1 2013
	Sulfate (mg/L)	2903	3120	Semi-Annually	Quarterly	Q4 2014	Q2 2015
	Thallium (ug/L)	1	1.3	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Field pH (S.U.)	6.5 - 8.5	5.91 (5.78)	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	5.8	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Chloride (mg/L)	38	42	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Field pH (S.U.)	6.5 - 8.5	6.48	Semi-Annually	Quarterly	Q4 2015	Q3 2016
	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
	Sulfate (mg/L)	2556.7	2590	Semi-Annually	Quarterly	Q4 2016	Q3 2017
	Field pH (S.U.)	6.4 - 8.5	6.03	Semi-Annually	Quarterly	Q2 2010	Q3 2010

Notes:

[1] GWCL Values are taken from August 24, 2012 versions of the GWDP.

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

Highlighted text shows accelerated requirements resulting from Q4 2016 sampling event.

Eight consecutive samples have been collected below the GWCL. Pursuant to the DRC letter of January 20, 2017, these constituents will be returned to the routine sample frequency.

Table 3 – GWCL Exceedances for Fourth 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		31		NA		NA		NA		NA		31		NA		31		NA
	Cadmium (ug/L)	1.5		1.26		1.44		NA		NA		NA		NA		1.4		NA		1.26		NA
	Uranium (ug/L)	6.5		5.93		6.43		NA		NA		NA		NA		***6.57***		NA		5.89		NA
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	2/2/2010	***1.3***	4/22/2010	***2***	5/21/2010	0.3	6/16/2010	0.4	7/21/2010	0.6	8/16/2010	0.6	9/26/2010	***0.7***	10/20/2010	0.4	11/15/2010	0.2	12/15/2010	0.4
	Uranium (ug/L)	41.8		***58.7***		***66.7***		37.4		36.6		34.4		***71.8***		***72.7***		37.5		30.4		29.6
	Chloroform (ug/L)	70		***700***		***1700***		***800***		***940***		***900***		***2800***		***2100***		***1000***		***1900***		***1400***
	Chloride (mg/L)	58.31		***72***		57		***80***		47		52		49		***64***		52		48		52
	Field pH (S.U.)	6.74 - 8.5		***6.59***		7.18		***6.36***		6.98		***6.45***		***6.39***		***6.60***		***6.61***		***6.49***		***6.45***
	Methylene Chloride (ug/L)	5		1		***9.9***		NR		2.2		***12***		***24***		***45***		***5.5***		***16***		1.2
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	2/9/2010	***16.1***	4/27/2010	***15.8***	5/21/2010	***17***	6/15/2010	***15.3***	7/21/2010	***16***	8/24/2010	***16***	9/14/2010 9/21/2010	***15***	10/19/2010	***15***	11/9/2010	***15***	12/14/2010	***16***
	Chloride (mg/L)	128		127		97		NA		NA	NS	NA	NS	NA		111		NA		126		NA
	Uranium (ug/L)	8.32		6.82		6.82		NA		NA	NS	NA	NS	NA		7.10		NA		6.64		NA
	Field pH (S.U.)	6.5 - 8.5		6.81		6.55		6.62		7.47	7/21/2010 7/27/2010	6.80 (6.82)	8/24/2010	6.73		6.80 (6.84)		6.77		6.75		6.65
	Fluoride (mg/L)	0.51		0.35		0.35		NA		NA	NS	NA	NS	NA		0.36		NA		0.36		NA
	Selenium (ug/L)	34		32		***35.3***		NA		NA	7/27/2010	33.5	8/24/2010	***35.6***		32.6		32.4		32.2		30.5
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	2/9/2010	***21.7***	4/20/2010	***22.5***	5/21/2010	***23***	6/15/2010	***21.1***	7/21/2010	***20***	8/24/2010	***22***	9/13/2010 (9/21/10)	***21***	10/19/2010	***20***	11/9/2010	***20***	12/14/2010	***20***
	TDS (mg/L)	1320		1150		1220	NS	NA	NS	NA	NS	NA	NS	NA		***1330***	NS	NA		1320		NS
	Chloride (mg/L)	143		128		128	NS	NA	NS	NA	NS	NA	NS	NA		139	NS	NA		138		NS
	Selenium (ug/L)	71		60.8		59.6	NS	NA	NS	NA	NS	NA	NS	NA		64.4	NS	NA		60		NS
	Field pH (S.U.)	6.5 - 8.5		6.96		7.38	5/21/2010	6.95	6/15/2010	7.01	7/21/2010	7.80	8/24/2010	7.10		7.66 (7.13)	10/19/2010	6.92		6.98		6.95
	Uranium (ug/L)	9.1		7.12		6.74	NS	NA	NS	NA	NS	NA	NS	NA		7.23	NS	NA		6.72		NS
	Sulfate (mg/L)	532		507		522	NS	NA	NS	NA	NS	NA	NS	NA		527	NS	NA		***539***		NS
MW-35 (Class II)	Manganese (ug/L)	200	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/30/2010	***698***	NS	NA
	Thallium (ug/l)	0.5		NA		NA		NA		NA		NA		NA		NA		NA		***1.14***		NA
	Gross Alpha minus Rn & U (pCi/L)	3.75		NA		NA		NA		NA		NA		NA		NA		NA		2.6		NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		NA		NA		NA		NA		NA		NA		7.46		NA
	Selenium (ug/L)	12.5		NA		NA		NA		NA		NA		NA		NA		NA		ND		NA
	Uranium (ug/L)	7.5		NA		NA		NA		NA		NA		NA		NA		NA		***27.2***		NA
Required Semi-Annual Sampling Wells																						
MW-01 (Class II)	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		NA		NA		6.96		NA
	Sulfate (mg/L)	838		NA		805		NA		NA		NA		NA		NA		NA		792		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	5/3/2010	***37.2***	NS	NA	NS	NA	NS	NA	NS	NA	9/20/2010	35.5	NS	NA	11/19/2010	***38.8***	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.14 (6.25)***		NA		NA		NA		NA		***6.39***		NA		***6.35***		NA
	Beryllium (ug/L)	2		NA		<0.5		NA		NA		NA		NA		NA		NA		<0.5		NA
	Cadmium (ug/L)	4.67		NA		0.78		NA		NA		NA		NA		NA		NA		0.63		NA
	Zinc (ug/L)	173.19		NA		96		NA		NA		NA		NA		NA		NA		40		NA
	Thallium (ug/l)	1.6		NA		1.31		NA		NA		NA		NA		NA		NA		1.34		NA
	Sulfate (mg/L)	3663		NA		3490		NA		NA		NA		NA		NA		NA		3430		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		0.3		NA		NA		NA		NA		NA		NA		0.4		NA
	Tetrahydrofuran (ug/L)	23		NA		1		NA		NA		NA		NA		NA		NA		1		NA
	Nickel (ug/L)	100		NA		<20		NA		NA		NA		NA		NA		NA		<20		NA
	Manganese (ug/L)	4233		NA		168		NA		NA		NA		NA		NA		NA		143		NA
	Fluoride (Mg/L)	0.68		NA		***0.71***		NA		NA		NA		NA		0.63		NA		***0.77***		NA
MW-3A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	5/4/2010	***6.23 (6.24)***	NS	NA	NS	NA	NS	NA	NS	NA	9/21/2010	***6.42***	NS	NA	11/22/2010	***6.21***	NS	NA
	Sulfate (mg/L)	3640		NA		***3680***		NA		NA		NA		NA		3630		NA		***3850***		NA
	Selenium (ug/L)	89		NA		81.4		NA		NA		NA		NA		NS		NA		***94.8***		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	4/26/2010	0.39	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/11/2010	***11.6***	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	4/27/2010	***25.7***	NS	NA	NS	NA	NS	NA	NS	NA	9/20/2010	***31.9***	NS	NA	11/19/2010	***27.6***	NS	NA
	Field pH (S.U.)	6.5 - 8.5	NS	NA		7.16		NA		NA		NA		NA		6.62		NA		***6.47***		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	4/21/2010	100	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/11/2010	99.5	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		6.98		NA		NA		NA		NA		NA		NA		6.57		NA

			Q1 2010 Results		Q2 2010 Results						Q3 2010 Results						Q4 2010 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	Q1 Sample Date	Q1 Result	Q2 Sample Date	Q2 Result	May Monthly Sample Date	May Monthly Result	June Monthly Sample Date	June Monthly Result	July Monthly Sample Date	July Monthly Result	August Monthly Sample Date	August Monthly Result	Q3 Sample Date	Q3 Result	October Monthly Sample Date	October Monthly Result	Q4 Sample Date	Q4 Result	December Monthly Sample Date	December Monthly Result
Required Semi-Annual Sampling Wells, continued																						
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	5/4/2010	***3.73***	NS	NA	NS	NA	NS	NA	NS	NA	9/15/2010	***3.64***	NS	NA	11/18/2010	***3.57***	NS	NA
	Sulfate (mg/L)	1938.9		NA		***1950***		NA		NA		NA		NA		1930		NA		1910		NA
	Field pH (S.U.)	6.25-8.5		NA		***6.2***		NA		NA		NA		NA		7.23		NA		6.37		NA
	TDS (mg/L)	3198.77		NA		***3280***		NA		NA		NA		NA		3190		NA		3030		NA
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	5/4/2010	***6.61 (6.66)***	NS	NA	NS	NA	NS	NA	NS	NA	9/15/2010	6.93	NS	NA	11/18/2010	6.8	NS	NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		2.6		NA		NA		NA		NA		NA		NA		2.4		NA
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	4/22/2010	***6.18***	NS	NA	NS	NA	NS	NA	NS	NA	9/14/2010	7.05	NS	NA	11/22/2010	***6.44***	NS	NA
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	5/6/2010	***4.28***	NS	NA	NS	NA	NS	NA	NS	NA	9/21/2010	***5.06***	NS	NA	11/17/2010	***3.22***	NS	NA
	Fluoride (mg/L)	0.36		NA		0.14		NA		NA		NA		NA		NA		NA		0.18		NA
	Sulfate (mg/L)	2903		NA		2560		NA		NA		NA		NA		NA		NA		2760		NA
	Thallium (ug/L)	1		NA		***1.3***		NA		NA		NA		NA		***1.57***		NA		***1.09***		NA
	Field pH (S.U.)	6.5 - 8.5		NA		***5.91 (5.78)***		NA		NA		NA		NA		6.64		NA		***6.1***		NA
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	5/3/2010	***5.8***	NS	NA	NS	NA	NS	NA	NS	NA	9/14/2010	***5.9***	NS	NA	11/12/2010	***5.7***	NS	NA
	Chloride (mg/L)	38		NA		***42***		NA		NA		NA		NA		***42***		NA		***45***		NA
	Sulfate (mg/L)	462		NA		***469***		NA		NA		NA		NA		461		NA		452		NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.78		NA		NA		NA		NA		7.68		NA		6.84		NA
	TDS (mg/L)	1075		NA		***1160***		NA		NA		NA		NA		1060		NA		***1110***		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		1.6		NA		NA		NA		NA		NA		NA		***2.4***		NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	4/19/2010	***108***	NS	NA	NS	NA	NS	NA	NS	NA	9/14/2010	***106***	NS	NA	11/12/2010	***107***	NS	NA
	Cadmium (ug/L)	5.2		NA		4.20		NA		NA		NA		NA		NA		NA		4.11		NA
	Uranium (ug/L)	4.9		NA		3.36		NA		NA		NA		NA		NA		NA		3.45		NA
	Vanadium (ug/L)	30		NA		<15.0		NA		NA		NA		NA		NA		NA		<15.0		NA
	Field pH (S.U.)	6.1 - 8.5		NA		***5.67***		NA		NA		NA		NA		***5.91***		NA		***5.72***		NA
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	4/27/2010	4400	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/9/2010	4390	NS	NA
	Sulfate (mg/L)	2946		NA		2770		NA		NA		NA		NA		NA		NA		2690		NA
	Field pH (S.U.)	6.46 - 8.5		NA		6.82		NA		NA		NA		NA		NA		NA		***6.17***		NA
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	4/20/2010	***4.5***	NS	NA	NS	NA	NS	NA	NS	NA	9/13/2010	2.9	NS	NA	11/10/2010	***8.8***	NS	NA
	Chloride (mg/L)	35.39		NA		30		NA		NA		NA		NA		NA		NA		35		NA
	Sulfate (mg/L)	2556.70		NA		2390		NA		NA		NA		NA		NA		NA		2330		NA
	Field pH (S.U.)	6.4 - 8.5		NA		***6.03***		NA		NA		NA		NA		***6.33***		NA		***6.05***		NA

Notes:

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

NS = Not Required and Not Sampled

NR = Required and

NA = Not

Applicable

Exceedances are shown in yellow

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

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

			Q1 2011 Results						Q2 2011 Results						Q3 2011 Results						Q4 2011 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2011 Monthly Sample Date	January 2011 Monthly Sample Result	Q1 2011 Sample Date	Q1 2011 Result	March 2011 Monthly Sample Date	March 2011 Monthly Result	Q2 2011 Sample Date	Q2 2011 Result	May 2011 Monthly Sample Date	May 2011 Monthly Result	June 2011 Monthly Sample Date	June 2011 Monthly Result	July 2011 Monthly Sample Date	July 2011 Monthly Result	Q3 2011 Sample Date	Q3 2011 Result	September 2011 Monthly Sample Date	September 2011 Monthly Result	Q4 2011 Sample Date	Q4 2011 Result	November 2011 Monthly Sample Date	November 2011 Monthly Result	December 2011 Monthly Sample Date	December 2011 Monthly Result
Required Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/11/2011	121	2/2/2011	***145***	3/15/2011	68	4/4/2011	***148***	5/10/2011	***170***	6/15/2011	121	7/6/2011	***151***		118	9/7/2011	106	10/4/2011	112	11/9/2011	105	12/14/2011	100
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/11/2011	***6.37***	2/7/2011	***6.22***	3/14/2011	6.76	4/4/2011	6.63	5/10/2011	***6.37***	6/15/2011	***5.83***	7/5/2011	***6.4***	8/3/2011	***6.23 (6.41)***	9/8/2011	6.50	10/4/2011	6.71 (6.82)	11/9/2011	6.63	12/12/2011	6.84
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/11/2011	***6.44***	2/2/2011	6.66	3/15/2011	6.79	4/4/2011	6.7	5/11/2011	***6.1***	6/20/2011	***5.77***	7/6/2011	***6.29***	8/3/2011 8/30/11	***6.42 (6.54)***	9/7/2011	6.54	10/4/2011	6.6	11/9/2011	6.51	12/12/2011	6.87
	Chloride (mg/L)	35		NA		30		NA		31		NA		NA		NA	8/3/2011	32		NA		32		NA		NA
	Cadmium (ug/L)	1.5		NA		1.34		NA		1.27		NA		NA		NA	8/30/2012	1.19		NA		1.27		NA		NA
	Uranium (ug/L)	6.5		***7.02***		4.77		***6.8***		5.56		***6.72***		***7.06***		***6.74***		6.37		5.96		5.27		***6.56***		6.1
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/12/2011	0.2	2/16/2011	0.25	3/15/2011	0.6	4/1/2011	***0.8***	5/10/2011	0.4	6/20/2011	0.3	7/6/2011	***0.9***	8/3/2011 8/30/11	0.6	9/7/2011	***2.4***	10/12/2011	***0.9***	11/9/2011	***1.3***	12/14/2011	***2.3***
	Uranium (ug/L)	41.8		32		***69.3***		31.8		***60.2***		***57.4***		18.5		***57.1***		19.0		***56.1***		***58.9***		***55.6***		***57***
	Chloroform (ug/L)	70		***800***		***730***		***1200***		***390***		***1900***		***730***		***300***		***1000***		***1300***		***440***		***1200***		***1400***
	Chloride (mg/L)	58.31		52		***59***		***64***		***64***		54		39		***64***		***60***		***66***		***61***		55		***62***
	Field pH (S.U.)	6.74 - 8.5		6.83		***6.06***		6.89		***6.22***		***6.43***		***6.52***		***6.35***		***6.07 (6.58)***		***6.71***		6.82		6.75		7.1
	Methylene Chloride (ug/L)	5		<1.0		***10***		***14***		3.1		***20***		***7***		2.4		***10***		***7.9***		2.6		***8.9***		***11***
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/10/2011	***15***	2/1/2011	***16***	3/14/2011	***17***	4/11/2011	***16***	5/10/2011	***16***	6/20/2011	***17***	7/5/2011	***17***	8/3/2011	***14***	9/7/2011	***16***	10/4/2011 11/29/2011	***16***	11/8/2011	***16***	12/12/2011	***16***
	Chloride (mg/L)	128		NA		***134***		NA		***134***		128		127		127		126		***145***		***129***		122		124
	Uranium (ug/L)	8.32		NA		5.97		NA		6.49		NA		NA		NA		8		NA		***9.83***		NA		NA
	Field pH (S.U.)	6.5 - 8.5		6.65		6.96		7.10		6.83		6.70		***5.66***		6.65		6.61		6.80		6.96 (6.73)		6.83		7.14
	Fluoride (mg/L)	0.51		NA		0.34		NA		0.34		NA		NA		NA		0.33		NA		0.37		NA		NA
	Selenium (ug/L)	34		***36.2***		***34.7***		***34***		***44.4***		***38.3***		***38.7***		32.4		***39.7***		32.4		***36.6***		***36.8***		***38***
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/10/2011	***19***	2/1/2011	***21***	3/14/2011	***22***	4/1/2011	***21***	5/10/2011	***20***	6/20/2011	***22***	7/5/2011	***22***	8/2/2011	***20***	9/6/2011	***21***	10/3/2011	***21***	11/8/2011 (11/29/12)	***21***	12/12/2011	***21***
	TDS (mg/L)	1320		1240		1220		1250		***1370***		1290		***1330***		1280		1300		1300		1320		1290		***1330***
	Chloride (mg/L)	143		NS		***145***		NA		143		143		***145***		***148***		***148***		***148***		***145***		***145***		***148***
	Selenium (ug/L)	71		NS		64.6		NA		65.2		NS		NS		NS		66.2		NS		68.8		NS		NS
	Field pH (S.U.)	6.5 - 8.5		6.65		7.21		7.43		7.01		6.73		***6.16!***		6.64		6.67		7.03		7.28		7.01 (7.34)		7.46
	Uranium (ug/L)	9.1		NS		5.77		NS		6.81		NS		NS		NS		7.68		NS		8.87		NS		NS
	Sulfate (mg/L)	532		NS		***538***		531		503		512		***540***		532		***537***		***541***		***539***		***552***		530
MW-35 (Class II)	Manganese (ug/L)	200	NS	NA	2/15/2011	***248***	NS	NA	6/7/2011	***369***	NS	NA	NS	NA	7/20/11	***348***	8/30/2011	***267***	9/7/11	***270***	10/3/11	***271***	11/8/2011	***283***	12/14/11	***247***
	Thallium (ug/l)	0.5		NA		< 0.50		NA		< 0.50		NA		NA		NA		***0.52***		NA		***0.57***		< 0.50		***0.63***
	Gross Alpha minus Rn & U (pCi/L)	3.75		NA		2.6		NA		3.7		NA		NA		NA		***4.5***		NA		***4.4***		***4.7***		***4.2***
	Field pH (S.U.)	6.5 - 8.5		NA		7.17		NA		7.31		NA		NA		***6.49***		***6.40***		***6.47***		6.59		6.51		6.90
	Selenium (ug/L)	12.5		NA		ND		NA		ND		NA		NA		NA		9.3		NA		10.5		NA		NA
	Uranium (ug/L)	7.5		NA		***12.7***		NA		***21.7***		NA		NA		***24.2***		***18.3***		***22.3***		***20.1***		***24***		***23.6***
Required Semi-Annual Sampling Wells																										
MW-01 (Class II)	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		NA		7.06 (7.67)		NA		NA		NA		NA		NA		7.08 (7.51)		NA		NA
	Sulfate (mg/L)	838		NA		NA		NA		704		NA		NA		NA		NA		NA		713		NA		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	2/15/2011	***40.5***	NS	NA	4/13/2011	***45.4***	NS	NA	NS	NA	NS	NA	8/10/2011	***46***	NS	NA	10/10/2011	***46.7***	NS	NA	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.09***		NA		***6.46***		NA		NA		NA		***6.32***		NA		6.53 (6.83)		NA		NA
	Beryllium (ug/L)	2		NA		NA		NA		<0.5		NA		NA		NA		NA		NA		<0.5		NA		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		1.26		NA		NA		NA		NA		NA		1.01		NA		NA
	Zinc (ug/L)	173.19		NA		NA		NA		104		NA		NA		NA		NA		NA		74		NA		NA
	Thallium (ug/l)	1.6		NA		NA		NA		1.02		NA		NA		NA		NA		NA		1.38		NA		NA
	Sulfate (mg/L)	3663		NA		NA		NA		3060		NA		NA		NA		NA		NA		3470		NA		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		0.3		NA		NA		NA		NA		NA		0.3		NA		NA
	Tetrahydrofuran (ug/L)	23		NA		NA		NA		1		NA		NA		NA		NA		NA		<1.0		NA		NA
	Nickel (ug/L)	100		NA		NA		NA		<20		NA		NA		NA		NA		NA		<20		NA		NA
	Manganese (ug/L)	4233		NA		NA		NA		223		NA		NA		NA		NA		NA		94		NA		NA
	Fluoride (Mg/L)	0.68		NA		***0.69***		NA		0.68		NA		NA		NA		***0.96***		NA		***0.91***		NA		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/16/2011	***6.05***	NS	NA	4/13/2011	6.58	NS	NA	NS	NA	NS	NA	8/11/2011	***6.19***	NS	NA	10/11/2011	6.5 (6.92)	NS	NA	NS	NA
	Sulfate (mg/L)	3640		NA		***3730***		NA		3350		NA		NA		NA		3560		NA		***3750***		NA		NA
	Selenium (ug/L)	89		NA		***99***		NA		85.8		NA		NA		NA		88.5		NA		***95***		NA		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/14/2011	***29.5***	NS	NA	4/12/2011	7.16	NS	NA	NS	NA	NS	NA	8/9/2011	0.5	NS	NA	10/10/2011	4.52	NS	NA	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	2/15/2011	***39.0***	NS	NA	4/5/2011	21.7	NS	NA	NS	NA	NS	NA	8/9/2011	***25.4***	NS	NA	10/6/2011	***35.4***	NS	NA	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.43***		NA		6.67		NA		NA		NA		***6.13***		NA		6.7 (6.97)		NA		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	NS	NA	NS	NA	4/12/2011	116	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	10/10/2011	112	NS	NA	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		NA		NA		6.88		NA		NA		NA		NA		NA		6.70		NA		NA

			Q1 2011 Results						Q2 2011 Results						Q3 2011 Results						Q4 2011 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	January 2011 Monthly Sample Date	January 2011 Monthly Sample Result	Q1 2011 Sample Date	Q1 2011 Result	March 2011 Monthly Sample Date	March 2011 Monthly Result	Q2 2011 Sample Date	Q2 2011 Result	May 2011 Monthly Sample Date	May 2011 Monthly Result	June 2011 Monthly Sample Date	June 2011 Monthly Result	July 2011 Monthly Sample Date	July 2011 Monthly Result	Q3 2011 Sample Date	Q3 2011 Result	September 2011 Monthly Sample Date	September 2011 Monthly Result	Q4 2011 Sample Date	Q4 2011 Result	November 2011 Monthly Sample Date	November 2011 Monthly Result	December 2011 Monthly Sample Date	December 2011 Monthly Result
Required Semi-Annual Sampling Wells, continued																										
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	2/15/2011	***3.49***	NS	NA	4/6/2011	***3.74***	NS	NA	NS	NA	NS	NA	8/10/2011 9/21/11	***4.0 3.39***	NS	NA	10/11/2011	***3.83***	NS	NA	NS	NA
	Sulfate (mg/L)	1938.9		NA		1770		NA		1780		NA		NA		NA		1910		NA		***2020***		NA		NA
	Field pH (S.U.)	6.25-8.5		NA		6.27		NA		6.71		NA		NA		NA		***5.95 (6.30)***		NA		6.55 (6.63)		NA		NA
	TDS (mg/L)	3198.77		NA		***3250***		NA		***3250***		NA		NA		NA		3190		NA		***3220***		NA		NA
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	2/21/2011	6.78	NS	NA	4/5/2011	7.03	NS	NA	NS	NA	NS	NA	7/20/3011	***6.65***	NS	NA	10/12/2011	6.88 (7.02)	NS	NA	NS	NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		NS		NA		2.6		NA		NA		NA		NS		NA		***4.0***		NA		NA
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/9/2011	***6.13***	NS	NA	4/5/2011	7.14	NS	NA	NS	NA	NS	NA	8/4/2011	***6.38***	NS	NA	10/6/2011	6.56 (6.77)	NS	NA	NS	NA
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	2/10/2011	***2.78***	NS	NA	4/5/2011	***2.61***	NS	NA	NS	NA	NS	NA	8/4/2011	1.46	NS	NA	10/11/2011	1.78	NS	NA	NS	NA
	Fluoride (mg/L)	0.36		NA		NA		NA		0.19		NA		NA		NA		NA		NA		0.36		NA		NA
	Sulfate (mg/L)	2903		NA		NA		NA		2560		NA		NA		NA		NA		NA		2500		NA		NA
	Thallium (ug/L)	1		NA		***1.42***		NA		***1.07***		NA		NA		NA		<0.50		NA		0.62		NA		NA
	Field pH (S.U.)	6.5 - 8.5		NA		***5.73***		NA		***6.12***		NA		NA		NA		***6.45***		NA		***6.44***		NA		NA
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	2/9/2011	***6***	NS	NA	4/5/2011	***6.4***	NS	NA	NS	NA	NS	NA	8/8/2011	***6***	NS	NA	10/5/2011	***6.3***	NS	NA	NS	NA
	Chloride (mg/L)	38		NA		***46***		NA		***43***		NA		NA		NA		***43***		NA		***44***		NA		NA
	Sulfate (mg/L)	462		NA		455		NA		442		NA		NA		NA		424		NA		456		NA		NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.71		NA		6.79		NA		NA		NA		***6.39***		NA		7.17		NA		NA
	TDS (mg/L)	1075		NA		***1090***		NA		***1190***		NA		NA		NA		***1090***		NA		***1110***		NA		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		0.7		NA		1.1		NA		NA		NA		0.8		NA		1.5		NA		NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	2/14/2011	***114***	NS	NA	4/11/2011	***109***	NS	NA	NS	NA	NS	NA	8/8/2011	105	NS	NA	10/5/2011	***143***	NS	NA	NS	NA
	Cadmium (ug/L)	5.2		NA		NA		NA		4.13		NA		NA		NA		NA		NA		3.99		NA		NA
	Uranium (ug/L)	4.9		NA		NA		NA		3.29		NA		NA		NA		NA		NA		3.19		NA		NA
	Vanadium (ug/L)	30		NA		NA		NA		<15.0		NA		NA		NA		NA		NA		<15.0		NA		NA
	Field pH (S.U.)	6.1 - 8.5		NA		***5.69***		NA		***6.01***		NA		NA		NA		***5.78***		NA		***6.07*** (6.11)		NA		NA
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	NS	NA	NS	NA	4/18/2011	4080	NS	NA	NS	NA	NS	NA	8/9/2011	NA	NS	NA	10/5/2011	4280	NS	NA	NS	NA
	Sulfate (mg/L)	2946		NA		NA		NA		2600		NA		NA		NA		NA		NA		2850		NA		NA
	Field pH (S.U.)	6.46 - 8.5		NA		NA		NA		***6.45***		NA		NA		NA		***6.20***		NA		6.52		NA		NA
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	2/9/2011	1.5	NS	NA	4/1/2011	***4.6***	NS	NA	NS	NA	NS	NA	8/2/2011 8/30/11	1.9	NS	NA	10/3/2011	***3.7***	NS	NA	NS	NA
	Chloride (mg/L)	35.39		NA		NA		NA		33		NA		NA		NA		NA		NA		34		NA		NA
	Sulfate (mg/L)	2556.70		NA		NA		NA		2180		NA		NA		NA		NA		NA		2370		NA		NA
	Field pH (S.U.)	6.4 - 8.5		NA		***5.99***		NA		***6.14***		NA		NA		NA		***6.10 (6.20)***		NA		***6.35***		NA		NA

Notes:

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

NS = Not Required and Not Sampled

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 Fourth 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		NA		30		NA		33		NA		NA		NA		28.8		NA
	Cadmium (ug/L)	1.5		NA		1.31		NA		NA		1.33		NA		1.24		NA		NA		NA		***1.56***		NA
	Uranium (ug/L)	6.5		***6.6***		6.5		***6.93***		***6.52***		5.90		***7.6***		6.45		***6.72***		6.01		6.37		***6.61***		4.83
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/25/2012	***1.9***	2/15/2012	***1.2***	3/14/2012	***3***	4/11/2012	***3.4***	5/7/2012 6/26/2012	***2.9***	6/19/2012	***2.3***	7/11/2012	***1.9***	8/8/2012	***1.6***	9/19/2012	***1.8***	10/24/2012	***3.5***	11/15/2012	0.55	12/24/2012	***1.46***
	Uranium (ug/L)	41.8		***64.6***	2/21/2012	***59.4***		31.2		***42.2***		18.2		***66.0***		28.4		***67.4***		***64.9***		26.9		***56.8***		***51.3***
	Chloroform (ug/L)	70		***1900***	2/15/2012	***3300***		***2900***		***2900***		***1700***		***2400***	8/16/2012	***970***		***2200***		***2300***		***4720***		***4020***		***1250***
	Chloride (mg/L)	58.31		***68***		40		***74***		***82***		***74***		***85***	7/11/2012	***78***		***78***		***67***		2.62		52.9		***65.9***
	Field pH (S.U.)	6.74 - 8.5		***6.59***	2/15/2012 2/21/2012 2/28/2012	***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		128		124		***131***		128		***139***		***130***		***135***		114		122
	Uranium (ug/L)	8.32	NS	NA		7.42		***8.38***		7.84		6.81		7.8		7.64		8.04		7.67		7.86		7.03		5.80
	Field pH (S.U.)	6.5 - 8.5	1/24/2012	6.52		7.12		6.86		7.05		6.95		7.10		7.25		6.95		7.85		6.80		6.67		6.95
	Fluoride (mg/L)	0.51	NS	NA		0.38		NA		NA		0.34		NA		0.33		NA		NA		NA		0.329		NA
	Selenium (ug/L)	34	1/24/2012	33.3		***35***		***39.5***		***39.1***		32.3		***37***		***38.5***		***38.4***		***41.9***		***45.2***		***36***		31.6
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/24/2012	***21***	2/13/2012	***21***	3/13/2012	***22***	4/9/2012	***21***	5/2/2012	***20***	6/18/2012 6/29/2012	***21.6***	7/9/2012	***21***	8/6/2012	***21***	9/18/2012	***21***	10/22/2012	***18***	11/6/2012	***23.6***	12/18/2012	***22.2***
	TDS (mg/L)	1320		***1360***		1240		***1400***		***1380***		***1410***		***1460***		***1400***		***1400***		***1460***		1320		1230		1270
	Chloride (mg/L)	143		***155***		***150***		***152***		***160***		***151***		138		***161***		***175***		***172***		***157***		***189***		***170***
	Selenium (ug/L)	71		*NS*		67.8		NS		NS		70.2		NA		***74***		NA		NA		NA		***76.9***		NA
	Field pH (S.U.)	6.5 - 8.5		6.78		7.37		7.13		7.14		7.19		7.28 (7.63)		7.53		6.96		7.1		7.05		7.04		7.10
	Uranium (ug/L)	9.1		NS		7.96		NS		NS		7.34		NS		8.17		NS		NS		NS		8.73		NS
	Sulfate (mg/L)	532		***539***		***538***		517		***547***		532		497		529		***571***		***561***		***545***		***557***		***664***
MW-35 (Class II)	Manganese (ug/L)	200	1/24/2012	***264***	2/14/2012	***253***	3/13/2012	***269***	4/10/2012	***277***	5/2/2012	***258***	6/19/2012	***304***	7/10/2012	***272***	8/8/2012	***273***	9/19/2012	***283***	10/23/2012	***253***	11/13/2012	***241***	12/18/2012	***240***
	Thallium (ug/l)	0.5		< 0.50		***0.65***		***0.71***		***0.59***		***0.66***		< 0.50		***0.57***		***0.61***		***0.54***		***0.517***		***0.554***		0.5
	Gross Alpha minus Rn & U (pCi/L)	3.75		***6.5***		***4.1***		***6.2***		***4.1***		***4.5***		***4.9***		3.5		***4.2***		***5.4***		***4.31***		***4.23***		***6.5***
	Field pH (S.U.)	6.5 - 8.5		***6.35***		6.67		***6.48***		6.84		6.61		6.90		6.87		6.74		6.81		***6.43***		6.50		6.60
	Selenium (ug/L)	12.5		NA		***19.7***		NA		NA		11.4		7.0		***15.9***		***18.8***		8.2		***19.0***		***15.4***		12.1
	Uranium (ug/L)	7.5		***16.1***		***24.7***		***24.9***		***22.4***		***22.2***		***22.5***		***24.5***		***26.2***		***22.9***		***22.4***		***21.8***		***21***
Required Semi-Annual Sampling Wells																										
MW-01 (CLASS II)	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		NA		6.98		NA
	Sulfate (mg/L)	838		NA		NA		NA		NA		659		NA		NA		NA		NA		NA		***846***		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	2/29/2012	***43.1***	NS	NA	NS	NA	5/14/2012	***52.8***	NS	NA	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		NA		6.55		NA
	Beryllium (ug/L)	2		NA		NA		NA		NA		<0.5		NA		NA		NA		NA		NA		<0.5		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		NA		1.06		NA		NA		NA		NA		NA		0.954		NA
	Zinc (ug/L)	173.19		NA		NA		NA		NA		68		NA		NA		NA		NA		NA		46.1		NA
	Thallium (ug/l)	1.6		NA		NA		NA		NA		1.37		NA		NA		NA		NA		NA		1.16		NA
	Sulfate (mg/L)	3663		NA		NA		NA		NA		3140		NA		NA		NA		NA		NA		2340		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		0.4		NA		NA		NA		NA		NA		0.419		NA
	Tetrahydrofuran (ug/L)	23		NA		NA		NA		NA		<1.0		NA		NA		NA		NA		NA		<1.0		NA
	Nickel (ug/L)	100		NA		NA		NA		NA		<20		NA		NA		NA		NA		NA		<20		NA
	Manganese (ug/L)	4233		NA		NA		NA		NA		114		NA		NA		NA		NA		NA		89.1		NA
	Fluoride (Mg/L)	0.68		NA		***0.86***		NA		NA		***1.04***		NA		***0.96***		NA		NA		NA		***1.26***		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	3/1/2012	***6.46***	NS	NA	NS	NA	5/15/2012	6.68	NS	NA	7/19/2012	7.01	NS	NA	NS	NA	NS	NA	11/29/2012	***6.35***	NS	NA
	Sulfate (mg/L)	3640		NA		3020		NA		NA		3220		NA		***3700***		NA		NA		NA		2780		NA
	Selenium (ug/L)	89		NA		65.8		NA		NA		85.1		NA		***99.3***		NA		NA		NA		***111***		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/28/2012	***18.6***	NS	NA	NS	NA	5/9/2012	1.23	NS	NA	7/16/2012	0.75	NS	NA	NS	NA	NS	NA	11/27/2012	0.402	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	2/29/2012	NA	NS	NA	NS	NA	5/10/2012	19.6	NS	NA	7/17/2012	20.7	NS	NA	NS	NA	NS	NA	11/27/2012	23.0	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.81		NA		NA		6.91		NA		6.98		NA		NA		NA		6.54		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	2/22/2012	NA	NS	NA	NS	NA	5/9/2012	***152***	NS	NA	7/17/2012	120	NS	NA	NS	NA	NS	NA	11/14/2012	117	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		6.84		NA		NA		6.63		NA		7.05		NA		NA		NA		6.86		NA

		Q1 2012 Results							Q2 2012 Results						Q3 2012 Results						Q4 2012 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	January 2012 Monthly Sample Date	January 2012 Monthly Result	Q1 2012 Sample Date	Q1 2012 Result	March 2012 Monthly Sample Date	March 2012 Monthly Result	April 2012 Monthly Sample Date	April 2012 Monthly Result	Q2 2012 Sample Date	Q2 2012 Result	June 2012 Monthly Sample Date	June 2012 Monthly Result	Q3 2012 Sample Date	Q3 2012 Result	August 2012 Monthly Sample Date	August 2012 Monthly Result	September 2012 Monthly Sample Date	September 2012 Monthly Result	October 2012 Monthly Sample Date	October 2012 Monthly Result	Q4 2012 Sample Date	Q4 2012 Result	December 2012 Monthly Sample Date	December 2012 Monthly Result
Required Semi-Annual Sampling Wells, continued																										
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	2/27/2012	***3.63***	NS	NA	NS	NA	4/30/2012	***3.51***	NS	NA	7/18/2012	***3.73***	NS	NA	NS	NA	NS	NA	11/26/2012	***3.2***	NS	NA
	Sulfate (mg/L)	1938.9		NA		1920		NA		NA		1790		NA		1900		NA		NA		NA		1210		NA
	Field pH (S.U.)	6.25-8.5		NA		6.6		NA		NA		6.59		NA		6.64		NA		NA		NA		6.51		NA
	TDS (mg/L)	3198.77		NA		***3230***		NA		NA		***3280***		NA		***3220***		NA		NA		NA		3160		NA
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	2/28/2012	6.83	NS	NA	NS	NA	5/16/2012	6.86	NS	NA	7/19/2012	7.21	NS	NA	NS	NA	NS	NA	12/13/2012	***6.71***	NS	NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		***3.9***		NA		NA		***3.7***		NA		***4***		NA		NA		NA		***3.96***		NA
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/20/2012	6.61	NS	NA	NS	NA	5/16/2012	6.74	NS	NA	7/17/2012	7.10	NS	NA	NS	NA	NS	NA	12/5/2012	6.61	NS	NA
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	2/23/2012	2.25	NS	NA	NS	NA	5/10/2012	2.01	NS	NA	7/18/2012	***4.7***	NS	NA	NS	NA	NS	NA	11/29/2012	1.35	NS	NA
	Fluoride (mg/L)	0.36		NA		NA		NA		NA		0.14		NA		NA		NA		NA		NA		***0.558***		NA
	Sulfate (mg/L)	2903		NA		NA		NA		NA		2490		NA		NA		NA		NA		NA		2310		NA
	Thallium (ug/L)	1		NA		0.96		NA		NA		0.74		NA		***1.36***		NA		NA		NA		0.666		NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.03***		NA		NA		***6.21***		NA		***6.45***		NA		NA		NA		***6.01***		NA
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	2/28/2012	***6.4***	NS	NA	NS	NA	5/1/2012	***6.2***	NS	NA	7/16/2012	***6.7***	NS	NA	NS	NA	NS	NA	11/13/2012	***6.9***	NS	NA
	Chloride (mg/L)	38		NA		***45***		NA		NA		***46***		NA		***47***		NA		NA		NA		***44.2***		NA
	Sulfate (mg/L)	462		NA		451		NA		NA		446		NA		453		NA		NA		NA		451		NA
	Field pH (S.U.)	6.5 - 8.5		NA		7.24		NA		NA		7.03		NA		7.40		NA		NA		NA		6.69		NA
	TDS (mg/L)	1075		NA		***1140***		NA		NA		***1170***		NA		***1150***		NA		NA		NA		1070		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		***2.3***		NA		NA		0.8		NA		1.2		NA		NA		NA		1.33		NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	2/28/2012	***109***	NS	NA	NS	NA	5/8/2012	***114***	NS	NA	7/16/2012 8/1/2012	105	NS	NA	NS	NA	NS	NA	11/14/2012	***115***	NS	NA
	Cadmium (ug/L)	5.2		NA		NA		NA		NA		3.85		NA	NS	NA		NA		NA		NA		4.37		NA
	Uranium (ug/L)	4.9		NA		NA		NA		NA		3.44		NA	NS	NA		NA		NA		NA		3.45		NA
	Vanadium (ug/L)	30		NA		NA		NA		NA		<15.0		NA	NS	NA		NA		NA		NA		<15.0		NA
	Field pH (S.U.)	6.1 - 8.5		NA		6.22		NA		NA		6.15		NA	7/16/2012 8/1/2012	***6.38 (5.81)***		NA		NA		NA		***5.98***		NA
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	2/22/2012	NA	NS	NA	NS	NA	5/8/2012	***4600***	NS	NA	8/1/2012	***4420***	NS	NA	NS	NA	NS	NA	11/14/2012	***4430***	NS	NA
	Sulfate (mg/L)	2946		NA		NA		NA		NA		2750		NA	NS	NA		NA		NA		NA		1340		NA
	Field pH (S.U.)	6.46 - 8.5		NA		7.12		NA		NA		6.47		NA	7/16/2012 8/1/2012	***6.68 (6.45)***		NA		NA		NA		6.48		NA
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	2/21/2012	1.8	NS	NA	NS	NA	4/30/2012	2.4	NS	NA	7/9/2012	1.4	NS	NA	NS	NA	NS	NA	11/6/2012	2.97	NS	NA
	Chloride (mg/L)	35.39		NA		NA		NA		NA		33		NA		1.4		NA		NA		NA		32.1		NA
	Sulfate (mg/L)	2556.70		NA		NA		NA		NA		2130		NA		NA		NA		NA		NA		1710		NA
	Field pH (S.U.)	6.4 - 8.5		NA		6.57		NA		NA		6.40		NA		6.72		NA		NA		NA		***6.23***		NA

Notes:

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

NS = Not Required and Not Sampled

NR = Required and Not 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 Fourth Quarter 2016 under the August 24, 2012 GWDP

			Q1 2013 Results						Q2 2013 Results						Q3 2013 Results						Q4 2013 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2013 Monthly Sample Date	January 2013 Monthly Result	Q1 2013 Sample Date	Q1 2013 Result	March 2013 Monthly Sample Date	March 2013 Monthly Result	April 2013 Monthly Sample Date	April 2013 Monthly Result	Q2 2013 Sample Date	Q2 2013 Result	June 2013 Monthly Sample Date	June 2013 Monthly Result	Q3 2013 Sample Date	Q3 2013 Result	August 2013 Monthly Sample Date	August 2013 Monthly Result	September 2013 Monthly Sample Date	September 2013 Monthly Result	October 2013 Monthly Sample Date	October 2013 Monthly Result	Q4 2013 Sample Date	Q4 2013 Result	December 2013 Monthly Sample Date	December 2013 Monthly Result
Required Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/23/2013	115	2/20/2013	***139***	3/20/2013	***164***	4/16/2013	***181***	5/14/2013	***144***	6/25/2013	***135***	7/10/2013	***138***	8/20/2013	***158***	9/18/2013	***134***	10/22/2013	129	11/19/2013	***152***	12/18/2013	***196***
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/23/2013	***6.48***	2/26/2013	6.52	3/20/2013	***6.48***	4/16/2013	7.58	5/14/2013	7.39	6/25/2013	6.54	7/11/2013	***6.47***	8/20/2013	6.86	9/19/2013	***6.48***	10/22/2013	6.77	11/20/2013	6.51	12/18/2013	6.74
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/22/2013	6.65	2/20/2013	6.62	3/19/2013	***6.41***	4/17/2013	7.00	5/14/2013	7.19	6/24/2013	6.61	7/10/2013	***6.32***	8/19/2013	6.74	9/17/2013	6.54	10/22/2013	6.81	11/19/2013	6.62	12/17/2013	6.73
	Chloride (mg/L)	35		NA		***36.1***		NA		NA		28.1		30.4		28		31.1		29.6		28.6		29		31.2
	Cadmium (ug/L)	1.5		NA		1.35		1.40		1.36		***1.52***		1.31		1.41		***1.57***		1.31		1.50		1.35		1.23
	Uranium (ug/L)	6.5		5.97		5.39		5.68		5.56		5.88		5.35		6.22		6.42		5.99		5.94		***7.13***		NA
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/24/2013	***1.66***	2/20/2013	***1.38***	3/20/2013	***1.61***	4/17/2013	***1.73***	5/23/2013	***2.01***	6/5/2013 6/25/2013	***3.04 2.11****	7/11/2013	***1.98***	8/20/2013	***1.77***	9/18/2013	***3.60***	10/23/2013	***4.10***	11/20/2013	***1.38***	12/18/2013	***2.56***
	Uranium (ug/L)	41.8		***65.7***		***57.8***		***69***		***58.8***		***64.3***		***71.3***		***70***		***72.3***		19.9		***58.8***		***75.8***		***70.4***
	Chloroform (ug/L)	70		***1270***		***1500***		***1340***		***1680***		***1210***		***4030****		***2410***		***2110***		***4170***		***3420***		***1220***		***1680***
	Chloride (mg/L)	58.31		***63.5***		***77***		***73.6***		***70.4***		***63.1***		***87.8 77.9****		***72.1***		***70.8***		***77.3***		***63.8***		***62.3***		***65.7***
	Field pH (S.U.)	6.74 - 8.5		***6.51***		***6.71***		***6.70***		6.96		7.31		6.85		***6.43***		7.41		***6.71***		6.82		6.83		6.93
	Methylene Chloride (ug/L)	5		***6.49***		***5.53***		***8.31***		***10.2***		4.07		***52.4* [12.1]***		***14.2***		***14.6***		***42.4***		***29.8***		***7.64***		***7.48***
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/23/2013	***19.2***	2/26/2013	***21.4***	3/20/2013	***14.3***	4/17/2013	***16.8***	5/15/2013	***18.8***	6/25/2013	***16.1***	7/10/2013	***17.6***	8/20/2013	***16.4***	9/18/2013	***16.9***	10/22/2013	***19.7***	11/20/2013	***19.5***	12/18/2013	***20.7***
	Chloride (mg/L)	128		128		***129***		126		117		119		127		***130***		126		***131***		***128***		124		***134***
	Uranium (ug/L)	8.32		***8.36***		7.4		6.85		7.08		6.31		8.22		7.48		7.07		7.00		6.91		***8.57***		NA
	Field pH (S.U.)	6.5 - 8.5		6.88		6.93		6.91		7.42		7.54		6.93		6.87		7.06		6.78		6.96		6.84		7.10
	Fluoride (mg/L)	0.51		NA		0.373		NA		NA		0.331		NA		0.368		NA		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	***20.0***	7/9/2013	***21.7***	8/19/2013	***16.0***	9/17/2013	***21.2***	10/23/2013	***21.2***	11/18/2013	***23.9***	12/17/2013	***24.2***
	TDS (mg/L)	1320		1270		***1390***		***1420***		1260		***1540***		***1380***		***1510***		***1440***		***1500***		***1460***		1320		***1500***
	Chloride (mg/L)	143		***176***		***174***		***168***		***171***		***169***		***179***		***182***		***183***		***193***		***188***		***174***		***203***
	Selenium (ug/L)	71		NS		***74.1***		***81.8***		***72.9***		***75.9***		***73.7***		***75.7***		***73.2***		***72.6***		***80.7***		***74.5***		***79.8***
	Field pH (S.U.)	6.5 - 8.5		6.94		7.32		7.28		***6.37***		7.92		7.10		6.98		7.36		7.06		7.35		6.99		7.23
	Uranium (ug/L)	9.1		NS		7.33		NS		NS		7.63		NS		7.90		NS		NS		NS		9.03		NS
	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		NA		7.04		NA
	Sulfate (mg/L)	838		NA		761		NA		NA		***839***		NA		***911***		NA		NA		NA		***930***		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	3/12/2013	***51.8***	NS	NA	NS	NA	5/22/2013	***46.3***	NS	NA	7/18/2013	***52.0***	NS	NA	NS	NA	NS	NA	12/11/2013	32.8	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.20***		NA		NA		7.14		NA		***6.46***		NA		NA		NA		6.78		NA
	Beryllium (ug/L)	2		NA		NA		NA		NA		<0.5		NA		NA		NA		NA		NA		<0.5		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		NA		1.42		NA		NA		NA		NA		NA		<0.5		NA
	Zinc (ug/L)	173.19		NA		NA		NA		NA		72.1		NA		NA		NA		NA		NA		20.3		NA
	Thallium (ug/l)	1.6		NA		NA		NA		NA		1.21		NA		NA		NA		NA		NA		1.1		NA
	Sulfate (mg/L)	3663		NA		NA		NA		NA		2180		NA		NA		NA		NA		NA		***3760***		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		0.456		NA		NA		NA		NA		NA		***1.21***		NA
	Tetrahydrofuran (ug/L)	23		NA		NA		NA		NA		<1.0		NA		NA		NA		NA		NA		4.86		NA
	Nickel (ug/L)	100		NA		NA		NA		NA		<20		NA		NA		NA		NA		NA		<20		NA
	Manganese (ug/L)	4233		NA		NA		NA		NA		99.1		NA		NA		NA		NA		NA		975		NA
	Fluoride (Mg/L)	0.68		NA		***0.902***		NA		NA		***0.994***		NA		***1.18***		NA		NA		NA		***1.28***		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	3/13/2013	6.84	NS	NA	NS	NA	5/23/2013	7.10	NS	NA	7/19/2013	6.50	NS	NA	NS	NA	NS	NA	12/11/2013	6.98	NS	NA
	Sulfate (mg/L)	3640		NA		3480		NA		NA		3120		NA		***3670***		NA		NA		NA		3360		NA
	Selenium (ug/L)	89		NA		88.7		NA		NA		75.6		NA		79.7		NA		NA		NA		77.9		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	3/11/2013	***36***	NS	NA	NS	NA	5/14/2013	1.33	NS	NA	7/18/2013	0.574	NS	NA	NS	NA	NS	NA	12/4/2013	***20.1***	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	3/6/2013	19.6	NS	NA	NS	NA	5/15/2013	19	NS	NA	7/17/2013	20.5	NS	NA	NS	NA	NS	NA	12/9/2013	21.7	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.56		NA		NA		7.19		NA		6.60		NA		NA		NA		***6.69***		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	3/5/2013	***137***	NS	NA	NS	NA	5/15/2013	120	NS	NA	7/18/2013	100	NS	NA	NS	NA	NS	NA	11/20/2013	106	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		6.75		NA		NA		7.27		NA		6.68		NA		NA		NA		***6.61***		NA

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		1270		NA		NA		1860		NA		1860		NA		NA		NA		***2000***		NA
	Field pH (S.U.)	6.25-8.5		NA		6.35		NA		NA		6.97		NA		6.45		NA		NA		NA		6.38		NA
	TDS (mg/L)	3198.77		NA		***3350***		NA		NA		3160		NA		3170		NA		NA		NA		***3240***		NA
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	3/13/2013	***6.50***	NS	NA	NS	NA	5/20/2013	7.16	NS	NA	7/15/2013	6.91	NS	NA	NS	NA	NS	NA	12/3/2013	***6.58***	NS	NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		***3.61***		NA		NA		***4.21***		NA		***3.66***		NA		NA		NA		***3.70***		NA
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	3/11/2013	***6.37***	NS	NA	NS	NA	5/23/2013	7.23	NS	NA	7/18/2013	6.61	NS	NA	NS	NA	NS	NA	12/18/2013	7.21	NS	NA
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	3/13/2013	2.0	NS	NA	NS	NA	5/22/2013	1.32	NS	NA	7/19/2013	***6.72***	NS	NA	NS	NA	NS	NA	12/12/2013	1.15	NS	NA
	Fluoride (mg/L)	0.36		NA		0.355		NA		NA		0.211		NA		0.288		NA		NA		NA		0.310		NA
	Sulfate (mg/L)	2903		NA		NA		NA		NA		2070		NA		NA		NA		NA		NA		2490		NA
	Thallium (ug/L)	1		NA		0.88		NA		NA		0.618		NA		***1.64***		NA		NA		NA		0.707		NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.29***		NA		NA		6.77		NA		***5.80***		NA		NA		NA		***6.08***		NA
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	2/25/2013	***7.94***	NS	NA	NS	NA	5/21/2013	***7.09***	NS	NA	7/17/2013	***6.97***	NS	NA	NS	NA	NS	NA	12/4/2013	***7.89***	NS	NA
	Chloride (mg/L)	38		NA		***50.3***		NA		NA		***44.3***		NA		***44.2***		NA		NA		NA		***45.0***		NA
	Sulfate (mg/L)	462		NA		431		NA		NA		***497***		NA		NA		NA		NA		NA		442		NA
	Field pH (S.U.)	6.5 - 8.5		NA		7.03		NA		NA		7.58		NA		7.00		NA		NA		NA		7.16		NA
	TDS (mg/L)	1075		NA		***1140***		NA		NA		***1110***		NA		***1110***		NA		NA		NA		***1100***		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		<1.0		NA		NA		1.57		NA		<1.00		NA		NA		NA		1.28		NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	3/5/2013	***110***	NS	NA	NS	NA	5/15/2013	102	NS	NA	7/17/2013	***107***	NS	NA	NS	NA	NS	NA	12/4/2013	***109***	NS	NA
	Cadmium (ug/L)	5.2		NA		NA		NA		NA		4.61		NA		NA		NA		NA		NA		4.74		NA
	Uranium (ug/L)	4.9		NA		NA		NA		NA		3.58		NA		NA		NA		NA		NA		3.34		NA
	Vanadium (ug/L)	30		NA		NA		NA		NA		<15.0		NA		NA		NA		NA		NA		<15.0		NA
	Field pH (S.U.)	6.1 - 8.5		NA		***6.00***		NA		NA		6.63		NA		***5.97***		NA		NA		NA		6.10		NA
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	3/6/2013	***4500***	NS	NA	NS	NA	5/23/2013	4340	NS	NA	7/17/2013	4270	NS	NA	NS	NA	NS	NA	11/20/2013	4370	NS	NA
	Sulfate (mg/L)	2946		NA		NA		NA		NA		2450		NA		NA		NA		NA		NA		2750		NA
	Field pH (S.U.)	6.46 - 8.5		NA		***6.36***		NA		NA		6.88		NA		***6.37***		NA		NA		NA		***6.35***		NA
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	2/19/2013	***5.02***	NS	NA	NS	NA	5/13/2013	***3.72***	NS	NA	7/9/2013	***6.46***	NS	NA	NS	NA	NS	NA	11/18/2013	1.86	NS	NA
	Chloride (mg/L)	35.39		NA		NA		NA		NA		32.3		NA		NA		NA		NA		NA		33.7		NA
	Sulfate (mg/L)	2556.70		NA		NA		NA		NA		1800		NA		NA		NA		NA		NA		2110		NA
	Field pH (S.U.)	6.4 - 8.5		NA		6.52		NA		NA		7.10		NA		***6.39***		NA		NA		NA		***6.29***		NA

Notes:

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

NS = Not Required and Not Sampled

NR = Required 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 Fourth Quarter 2016 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		31		30.4		31.5		31		26.4		30.9		NA		NA		30		NA		29.6		NA
	Cadmium (ug/L)	1.5		1.39		1.29		1.29		***1.51***		1.34		1.24		1.30		1.30		1.30		**1.41**		***1.57***		1.27
	Uranium (ug/L)	6.5		NA		5.83		6.26		***10.6***		***7.43***		6.07		5.9		6.1		6.0		***6.67***		6.04		5.75
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/8/2014	***2.42***	2/24/2014	***2.12***	3/12/2014	***1.30***	4/30/2014	***1.20***	5/14/2014	***1.64***	6/5/2014	***1.42***	7/29/2014	***2.0***	8/20/2014	***1.00***	9/4/2014	***1.10***	10/7/2014	***0.704***	11/18/2014	***1.09***	12/10/14 12/15/14	<0.100
	Uranium (ug/L)	41.8		***81.7***		***72.2***		***51.8***		***96.0***		***90.6***		***75.0***		***86.5***		***74.4***		***48.4***		***75.4***		***66.0***		***42.5***
	Chloroform (ug/L)	70		***1580***		***2810***		***2800***		***1310***		***1580***		***1450***		***2330***		***2200***		***1580***		***894***		***1520***		***2280***
	Chloride (mg/L)	58.31		***69.7***		***70.4***		***61.0***		***62.1***		***61.0***		***63.2***		***80.0***		***59.0***		***68.0***		57.7		54.2		***65.5***
	Field pH (S.U.)	6.74 - 8.5		6.80		6.78		***6.50***		7.19		7.13		6.78		***6.60***		7.28		***6.67***		6.85		***6.09***		***6.25 (6.44)***
	Methylene Chloride (ug/L)	5		***6.52***		***25.8***		***15.5***		***5.54***		***10.2***		***6.73***		***9.6***		***43.3***		***10.9***		3.78		***7.34***		***28.4***
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/8/2014	***20.3***	2/25/2014	***18.4***	3/11/2014	***21.3***	4/23/2014	***18.3***	5/14/2014	***17.9***	6/3/2014	***19.4***	7/29/2014	***15.6***	8/20/2014	***13.8***	9/9/2014	***16.8***	10/7/2014	***11.0***	11/10/2014	***16.2***	12/10/2014	***17.1***
	Chloride (mg/L)	128		***131***		***135***		***144***		***154***		128		128		***140***		***139***		***136***		***136***		***154***		***138***
	Uranium (ug/L)	8.32		NA		6.83		7.84		6.84		***9.82***		7.35		7.40		7.60		7.70		7.76		7.65		7.67
	Field pH (S.U.)	6.5 - 8.5		6.74		6.80		6.56		7.06		6.88		6.89		6.76		7.51		6.82		6.92		***6.22***		6.77
	Fluoride (mg/L)	0.51		NA		0.332		0.357		NA		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***		***38.9***		***36.8***		***37.5***
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/7/2014	***24.0***	2/17/2014	***20.6***	3/10/2014	***26.2***	4/28/2014	***19.1***	5/13/2014	***23.3***	6/2/2014	***23.1***	7/28/2014	***19.0***	8/18/2014	***15.2***	9/3/2014	***18.9***	10/6/2014	***15.9***	11/14/2014	***20.9***	12/9/2014	***17.0***
	TDS (mg/L)	1320		***1510***		***1460***		***1490***		***1440***		***1510***		***1520***		***1400***		***1410***		***1460***		***1420***		***1520***		***1450***
	Chloride (mg/L)	143		***194***		***197***		***230***		***230***		***200***		***173***		***200***		***210***		***210***		***205***		***204***		***215***
	Selenium (ug/L)	71		***74.4***		***75.8***		***77.2***		***85.4***		***74.5***		69.4		***77.9***		***82.8***		***81.5***		***78.9***		***73.0***		***71.1***
	Field pH (S.U.)	6.5 - 8.5		7.13		***6.45***		6.53		7.45		6.83		8.23		6.88		7.60		6.94		6.97		6.69		6.73
	Uranium (ug/L)	9.1		NS		7.65		7.96		NS		NS		7.72		NS		NS		8.40		NS		7.71		NS
	Sulfate (mg/L)	532		***558***		480		***681***		527		***639***		***555***		***600***		***620***		***560***		***606***		***639***		***687***
MW-35 (Class II)	Manganese (ug/L)	200	1/8/2014	***252***	2/11/2014	***247***	3/11/14	***204***	4/25/2014	194	5/14/2014	***249***	6/4/2014	***202***	7/29/2014	***212***	8/20/2014	191	9/3/2014	177	10/6/2014	***228***	11/12/2014	***222***	12/9/2014	***232***
	Thallium (ug/l)	0.5		***0.535***		<0.5		<0.5		***0.582***		***0.521***		<0.5		<0.5		<0.5		***0.6***		<0.5		<0.5		<0.5
	Gross Alpha minus Rn & U (pCi/L)	3.75		***4.12***		***3.98***		***4.33***		2.95		3.67		3.36		3.09		***4.70***		***3.93***		***4.14***		***3.92***		***4.54***
	Field pH (S.U.)	6.5 - 8.5		6.54		***6.07***		***6.32***		6.79		7.10		6.83		6.55		7.07		***6.46***		6.54		***6.35***		***6.25***
	Selenium (ug/L)	12.5		8.95		12.3		***14.1***		***18.6***		***17.0***		***13.9***		***13.2***		***28.9***		***31.4***		***15.5***		10.1		7.5
	Uranium (ug/L)	7.5		***20.8***		***20.6***		***21.5***		***30.6***		***26.9***		***21.9***		***26.5***		***20.3***		***23.6***		***23.9***		***19.6***		***20.3***
Required Semi-Annual Sampling Wells																										
MW-01 (Class II)	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		NA		***6.75***		NA		6.87		NA
	Sulfate (mg/L)	838		NA		NA		836		NA		NA		***909***		NA		NA		810		NA		***920***		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	NS	NA	2/26/2014	37.0	NS	NA	NS	NA	5/30/2014	***69.5***	NS	NA	NS	NA	9/16/2014	***94.0***	NS	NA	11/17/2014	***62.4***	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		***6.23***		NA		NA		6.56		NA		NA		***6.13***		NA		***6.37***		NA
	Beryllium (ug/L)	2		NA		NA		NA		NA		NA		<0.5		NA		NA		NA		NA		<0.5		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		NA		NA		1.7		NA		NA		NA		NA		2		NA
	Zinc (ug/L)	173.19		NA		NA		NA		NA		NA		94.5		NA		NA		NA		NA		98.3		NA
	Thallium (ug/l)	1.6		NA		NA		NA		NA		NA		1.28		NA		NA		NA		NA		1.32		NA
	Sulfate (mg/L)	3663		NA		NA		NA		NA		NA		3460		NA		NA		3120		NA		***3800***		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		NA		0.573		NA		NA		0.6		NA		0.330		NA
	Tetrahydrofuran (ug/L)	23		NA		NA		NA		NA		NA		<1.0		NA		NA		NA		NA		<1.0		NA
	Nickel (ug/L)	100		NA		NA		NA		NA		NA		<20		NA		NA		NA		NA		<20		NA
	Manganese (ug/L)	4233		NA		NA		NA		NA		NA		104		NA		NA		NA		NA		87,000		NA
	Fluoride (Mg/L)	0.68		NA		NA		***0.771***		NA		NA		***1.02***		NA		NA		***1.0***		NA		***1.08***		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	NS	NA	3/5/2014	6.58	NS	NA	NS	NA	5/30/2014	6.60	NS	NA	NS	NA	9/17/2014	***6.40***	NS	NA	11/12/2014	***6.41***	NS	NA
	Sulfate (mg/L)	3640		NA		NA		3100		NA		NA		***3830***		NA		NA		3350		NA		***3770***		NA
	Selenium (ug/L)	89		NA		NA		***92.1***		NA		NA		***104***		NA		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
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	NS	NA	2/12/2014	23.7	NS	NA	NS	NA	6/4/2014	17.20	NS	NA	NS	NA	9/16/2014	NA	NS	NA	11/11/2014	***33.30***	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		***6.13***		NA		NA		7.10		NA		NA		***6.47***		NA		***6.25***		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	NS	NA	2/25/2014	110	NS	NA	NS	NA	6/4/2014	105	NS	NA	NS	NA	9/2/2014	***273***	NS	NA	11/12/2014	106	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		NA		***6.51***		NA		NA		6.91		NA		NA		***6.38***		NA		***6.41***		NA

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		1810		NA
	Field pH (S.U.)	6.25-8.5		NA		NA		***6.16***		NA		NA		7.04		NA		NA		6.40		NA		***6.10***		NA
	TDS (mg/L)	3198.77		NA		NA		3080		NA		NA		***3260***		NA		NA		3180		NA		2960		NA
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	NS	NA	2/18/2014	***6.29***	NS	NA	NS	NA	5/27/2014	7.38	NS	NA	NS	NA	9/11/2014	***6.46***	NS	NA	11/11/2014	***6.33***	NS	NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		NA		***3.82***		NA		NA		***3.68***		NA		NA		0.4		NA		***2.91***		NA
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	NS	NA	3/5/2014	6.52	NS	NA	NS	NA	6/11/2014	6.67	NS	NA	NS	NA	9/4/2014	6.56	NS	NA	11/19/2014	6.69	NS	NA
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	NS	NA	3/6/2014	***5.92***	NS	NA	NS	NA	5/30/2014	***2.91***	NS	NA	NS	NA	9/17/2014	1.5	NS	NA	11/19/2014	1.17	NS	NA
	Fluoride (mg/L)	0.36		NA		NA		0.234		NA		NA		0.337		NA		NA		***0.4***		NA		0.109		NA
	Sulfate (mg/L)	2903		NA		NA		NA		NA		NA		2450		NA		NA		NA		NA		***3120***		NA
	Thallium (ug/L)	1		NA		NA		***1.85***		NA		NA		***1.23***		NA		NA		0.6		NA		0.821		NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		***5.89***		NA		NA		***6.07***		NA		NA		***5.09***		NA		***5.69***		NA
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	NS	NA	2/25/2014	***7.98***	NS	NA	NS	NA	5/28/2014	***7.35***	NS	NA	NS	NA	9/8/2014	***6.30***	NS	NA	11/5/2014	***7.70***	NS	NA
	Chloride (mg/L)	38		NA		NA		***47.0***		NA		NA		***45.9***		NA		NA		***46.0***		NA		***42.6***		NA
	Sulfate (mg/L)	462		NA		NA		411		NA		NA		***484***		NA		NA		414		NA		419		NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		6.62		NA		NA		7.80		NA		NA		6.97		NA		6.70		NA
	TDS (mg/L)	1075		NA		NA		1040		NA		NA		1040		NA		NA		1020		NA		***1090***		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		NA		1.08		NA		NA		***2.33***		NA		NA		1.16		NA		<1.0		NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	NS	NA	2/26/2014	***113***	NS	NA	NS	NA	6/18/2014	***114***	NS	NA	NS	NA	9/16/2014	***112***	NS	NA	11/5/2014	***117***	NS	NA
	Cadmium (ug/L)	5.2		NA		NA		NA		NA		NA		***5.41***		NA		NA		4.7		NA		4.15		NA
	Uranium (ug/L)	4.9		NA		NA		NA		NA		NA		***61.3***		NA		NA		***10.6***		NA		***21.2***		NA
	Vanadium (ug/L)	30		NA		NA		NA		NA		NA		***109***		NA		NA		18.5		NA		29.3		NA
	Field pH (S.U.)	6.1 - 8.5		NA		NA		***6.01***		NA		NA		6.78		NA		NA		***5.79***		NA		***5.72***		NA
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	NS	NA	2/25/2014	***4500***	NS	NA	NS	NA	6/3/2014	4200	NS	NA	NS	NA	9/10/2014	4280	NS	NA	11/10/2014	4210	NS	NA
	Sulfate (mg/L)	2946		NA		NA		NA		NA		NA		2510		NA		NA		NA		NA		2760		NA
	Field pH (S.U.)	6.46 - 8.5		NA		NA		6.78		NA		NA		7.98		NA		NA		***6.10***		NA		***6.11***		NA
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	NS	NA	2/11/2014	1.94	NS	NA	NS	NA	5/23/2014	***4.35***	NS	NA	NS	NA	9/2/2014	***3.69***	NS	NA	11/5/2014	2.56	NS	NA
	Chloride (mg/L)	35.39		NA		NA		NA		NA		NA		***35.6***		NA		NA	8/26/2014	34		NA		33.3		NA
	Sulfate (mg/L)	2556.70		NA		NA		NA		NA		NA		1990		NA		NA	NS	NA		NA		2210		NA
	Field pH (S.U.)	6.4 - 8.5		NA		NA		***6.15***		NA		NA		6.64		NA		NA	9/2/2014	***6.17***		NA		***6.08***		NA

Notes:

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

NS = Not Required and Not Sampled

NR = Required and Not Reported

NA = Not Applicable

Exceedances are shown in yellow

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

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

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 Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/21/2015	***177***	2/3/2015	***138***	3/3/2015	***149***	4/8/2015	***170***	5/11/2015	123	6/23/2015	***149***	7/7/2015	***178***	8/10/2015	***138***	9/16/2015	***160***	10/7/2015	***237***	11/11/2015	126	12/8/2015	***139***
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/21/2015	***6.49***	2/3/2015	***6.44***	3/5/2015	***6.05***	4/8/2015	6.55	5/11/2015	***6.30***	6/1/2015	6.65	7/7/2015	6.57	8/11/2015	***6.37***	9/16/2015	6.51	10/8/2015	***6.45***	11/3/2015	6.52	12/8/2015	***6.45***
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/20/2015	***6.19***	2/4/2015	***6.46***	3/4/2015	***6.32***	4/7/2015	6.52	5/11/2015	***6.46***	6/1/2015 6/23/2015	6.59, 6.53	7/6/2015	6.70	8/10/2015	***6.47***	9/15/2015	6.58	10/6/2015	***6.45***	11/11/2015	6.79	12/8/2015	***6.41***
	Chloride (mg/L)	35		NA		30.5		NA		31.1		NA		NS		NA		***36.8***		NA		NA		29.8		31.1
	Cadmium (ug/L)	1.5		1.44		1.33		1.37		1.27		1.38	6/23/2015	1.42		1.43		1.41		1.31		1.5		1.38		1.45
	Uranium (ug/L)	6.5		***6.54***		***6.81***		6.43		5.86		6.38		5.88		6.25		6.39		6.20		6.40		6.19		6.00
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/21/2015	0.30	2/11/2015	***2.68***	3/4/2015	***0.965***	4/9/2015	***0.845***	5/12/2015	0.606	6/24/2015	0.588	7/7/2015	***1.15***	8/10/2015 8/17/2015	***1.75***	9/16/2015	***0.795***	10/7/2015	***2.36***	11/11/2015	***1.11***	12/8/2015	***1.200***
	Uranium (ug/L)	41.8		2.96		***78.1***		***72.6***		***75.7***		***63.3***		***67.4***		***72.1***		***61.9***		***56.0***		***61.2***		***66.0***		***65.2***
	Chloroform (ug/L)	70		***3570***		***1190***		***1020***		***1520***		***1160***		***2610***		***2560***		***1240***		***2150***		***2400***		***2660***		***3140***
	Chloride (mg/L)	58.31		***59.9***		***77.2***		***67.2***		***61.0***		***61.4***		***60.8***		***67.4***		***88.3***		***74.5***		***74.4***		***75.3***		***66.0***
	Field pH (S.U.)	6.74 - 8.5		***6.25***		***6.20***		***6.23***		***6.60***		***6.46***	6/3/2015 6/24/2015	***6.58, 6.20***		6.87		***6.54*** 6.81		***6.48***		6.80		***6.65***		***6.30***
	Methylene Chloride (ug/L)	5		***6.42***		***5.89***		***6.95***		3.99		4.44	6/24/2015	***9.38***		***11.4***		2.17		<1.0		4.27		***9.89***		***12.0***
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/21/2015	***19.5***	2/4/2015	***14.9***	3/3/2015	***17.3***	4/8/2015	***17***	5/12/2015	***16.1***	6/24/2015	***15.8***	7/7/2015	***15.3***	8/11/2015	***17.9***	9/15/2015	***17.3***	10/7/2015	***19.1***	11/11/2015	***16.3***	12/9/2015	***18.2***
	Chloride (mg/L)	128		***144***		***136***		***132***		***142***		***145***		***142***		***145***		***165***		***165***		***137***		***140***		***144***
	Uranium (ug/L)	8.32		8.06		8.23		***8.35***		7.45		***8.38***		7.46		7.98		8.16		7.72		8.10		7.99		8.22
	Field pH (S.U.)	6.5 - 8.5		***6.41***		6.59		***6.32***		6.67		6.76	6/2/2015 6/24/2015	6.94, ***6.32***		6.85		6.73		6.65		6.88		6.83		6.79
	Fluoride (mg/L)	0.51		NA		0.324		NA		0.286		NA		NA		NA		0.247		NA		NA		***0.572***		NA
	Selenium (ug/L)	34		***37.2***		***40.9***		***38.0***		***37.3***		***35.7***		***37.2***		***39.2***		***41.6***		***39.1***		***43.9***		***38.6***		***40.7***
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/20/2015	***20.9***	2/2/2015	***18.7***	3/3/2015	***19.8***	4/7/2015	***19.0***	5/11/2015	***18.4***	6/23/2015	***18.0***	7/6/2015	***18.8***	8/10/2015	***19.9***	9/15/2015	***18.9***	10/6/2015	***22.0***	11/9/2015	***18.4***	12/8/2015	***19.5***
	TDS (mg/L)	1320		***1540***		***1520***		***1530***		***1680***		***1700***		***1630***		***1440***		***1530***		***1480***		***1540***		***1460***		***1580***
	Chloride (mg/L)	143		***226***		***211***		***209***		***211***		***225***		***228***		***222***		***264***		***231***		***222***		***215***		***231***
	Selenium (ug/L)	71		***75.6***		***79.2***		***76.2***		***75.7***		***71.6***		***74.4***		***78.2***		***82.2***		***79.0***		***78.6***		***77.7***		***80.4***
	Field pH (S.U.)	6.5 - 8.5		***6.49***		***6.42***		***6.40***		6.80		6.74	6/1/2015 6/23/2015	7.14, 7.08		7.22		6.80		6.73		***6.47***		***6.36***		6.70
	Uranium (ug/L)	9.1		NS		8		NS		8.07		NS	6/23/2015	NS		NS		8.76		NS		NS		8.72		NS
	Sulfate (mg/L)	532		***669***		***623***		***616***		***642***		***668***		***691***		***684***		***640***		***638***		***655***		***646***		***690***
MW-35 (Class II)	Manganese (ug/L)	200	1/20/2015	***228***	2/5/2015	***223***	3/4/2015	190	4/9/2015	***237***	5/12/2015	***207.0***	6/23/2015	***214***	7/7/2015	185	8/10/2015	198	9/15/15 9/22/15 9/28/15	***201,*** 176	10/6/2015	169	11/3/2015	***210***	12/14/2015	177
	Thallium (ug/l)	0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5, <0.5		***0.638***		<0.5		<0.5
	Gross Alpha minus Rn & U (pCi/L)	3.75		***6.86***		***5.61***		***3.81***		***4.25***		***4.47***	6/2/2015	***4.01***		***4.93***		3.24		***4.81, 6.13***		***4.04***		***4.47***		***4.69***
	Field pH (S.U.)	6.5 - 8.5		***6.22***		6.53		***6.26***		6.64		***6.46***	6/2/2015 6/23/2015	6.50, ***6.41***		6.56		***6.40***		6.52, ***6.41, 6.49***		***6.29***		6.72		6.57
	Selenium (ug/L)	12.5		8.21		***14.2***		***26.6***		<5.0		9.11	6/23/2015	***13.6***		***26.1***		***12.5***		***16.7, 28.5***		***39.8***		9.96		***25.0***
	Uranium (ug/L)	7.5		***21.8***		***20.6***		***24.4***		***20.2***		***22.5***		***20.7***		***22.0***		***22.1***		***21.3, 22.3***		***23.8***		***22.7***		***21.8***
Required Semi-Annual Sampling Wells																										
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	2/10/2015	NA	NS	NA	4/15/2015	***23.9***	NS	NA	NS	NA	NS	NA	7/27/2015	NA	NS	NA	NS	NA	11/11/2015	21.9	NS	NA
	Field pH (S.U.)	6.77 - 8.5		NA		***6.66***		NA		7.15		NA		NA		NA		7.12		NA		NA		6.83		NA
	Sulfate (mg/L)	838		NA		813		NA		***892***		NA		NA		NA		***876***		NA		NA		830		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	2/11/2015	***61.1***	NS	NA	4/23/2015 5/20/2015	***81, 61.7***	NS	NA	NS	NA	NS	NA	7/28/2015	***68.3***	NS	NA	NS	NA	11/3/2015	***76.0***	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.12***		NA	4/23/2015 4/29/2015 5/20/2015	***6.18,*** 6.51, ***6.23***		NA		NA		NA		***6.16***		NA		NA		***6.25***		NA
	Beryllium (ug/L)	2		NA		NA		NA	4/23/2015 5/20/2015	1.44, ***2.08***		NA		NA		NA		NA		NA		NA		1.84		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		***5.03, 14.2***		NA		NA		NA		NA		NA		NA		***12.9***		NA
	Zinc (ug/L)	173.19		NA		NA		NA		***238, 373***		NA		NA		NA		NA		NA		NA		***275***		NA
	Thallium (ug/l)	1.6		NA		NA		NA	4/23/2015 5/20/2015	1.47, 1.51		NA		NA		NA		NA		NA		NA		***1.61***		NA
	Sulfate (mg/L)	3663		NA		3260		NA	4/23/2015 5/20/2015	***3700***		NA		NA		NA		***3670***		NA		NA		3360		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		0.638		NA		0.642		NA		NA		NA		0.406		NA		NA		0.487		NA
	Tetrahydrofuran (ug/L)	23		NA		NA		NA		<1.0		NA		NA		NA		NA		NA		NA		<1.0		NA
	Nickel (ug/L)	100		NA		NA		NA		39.4, 96.2		NA		NA		NA		NA		NA		NA		86.9		NA
	Manganese (ug/L)	4233		NA		NA		NA		242, 1240		NA		NA		NA		NA		NA		NA		1020		NA
	Fluoride (mg/L)	0.68		NA		***1.08***		NA		***1.00***		NA		NA		NA		***1.58***		NA		NA		***1.35***		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/12/2015	***6.15***	NS	NA	4/23/2015 4/29/2015	6.59, ***6.24***	NS	NA	NS	NA	NS	NA	7/29/2015	***6.34***	NS	NA	NS	NA	11/4/2015	6.63	NS	NA
	Sulfate (mg/L)	3640		NA		3450		NA	4/23/2015	***3720***		NA		NA		NA		***3860***		NA		NA		3380		NA
	Selenium (ug/L)	89		NA		***94.1***		NA		***101***		NA		NA		NA		85.9		NA		NA		***91.7***		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/10/2015	2.94	NS	NA	4/21/2015	1.3	NS	NA	NS	NA	NS	NA	7/21/2015	0.887	NS	NA	NS	NA	11/4/2015	2.35	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	2/9/2015	***30.0***	NS	NA	4/21/2015	***29.4***	NS	NA	NS	NA	NS	NA	7/21/2015	24.6	NS	NA	NS	NA	11/17/2015	24.7	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.33***		NA	4/21/2015 4/28/2015	6.50, 6.70		NA		NA		NA		6.70		NA		NA		6.65		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	2/4/2015	125	NS	NA	4/13/2015	***137***	NS	NA	NS	NA	NS	NA	7/22/2015	104	NS	NA	NS	NA	11/16/2015	107	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		***6.50***		NA		6.82		NA		NA		NA		***6.61***		NA		NA		6.81		NA

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	NS	NA	2/3/2015	***2.89***	NS	NA	4/15/2015	***2.81***	NS	NA	NS	NA	NS	NA	7/27/2015	***2.69***	NS	NA	NS	NA	11/9/2015	***2.68***	NS	NA
	Sulfate (mg/L)	1938.9		NA		1810		NA		1790		NA		NA		NA		***1990***		NA		NA		***2000***		NA
	Field pH (S.U.)	6.25-8.5		NA		6.27		NA		6.40		NA		NA		NA		6.43		NA		NA		6.30		NA
	TDS (mg/L)	3198.77		NA		***3240***		NA		***3350***		NA		NA		NA		3190		NA		NA		3000		NA
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	2/2/2015	***6.45***	NS	NA	4/14/2015	6.79	NS	NA	NS	NA	NS	NA	7/27/2015	6.78	NS	NA	NS	NA	11/10/2015	***6.70***	NS	NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		***2.91***		NA		***3.58***		NA		NA		NA		2.82		NA		NA		2.23		NA
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/10/2015	6.53	NS	NA	4/30/2015	6.80	NS	NA	NS	NA	NS	NA	7/22/2015	6.53	NS	NA	NS	NA	11/18/2015	6.77	NS	NA
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	2/12/2015	***3.31***	NS	NA		1.79	NS	NA	NS	NA	NS	NA	7/29/2015	1.88	NS	NA	NS	NA	11/18/2015	***3.75***	NS	NA
	Fluoride (mg/L)	0.36		NA		***0.397***		NA		0.293		NA		NA		NA		***0.388***		NA		NA		***0.372***		NA
	Sulfate (mg/L)	2903		NA		2620		NA		2840		NA		NA		NA		2880		NA		NA		2790		NA
	Thallium (ug/L)	1		NA		***1.27***		NA		0.796		NA		NA		NA		0.85		NA		NA		***1.37***		NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.21***		NA	5/28/2015 6/24/2015	***5.39, 5.98***		NA		NA		NA		***5.49***		NA		NA		***5.48***		NA
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	2/9/2015	3.15	NS	NA	4/20/2015	***6.27***	NS	NA	NS	NA	NS	NA	7/21/2015	***7.35***	NS	NA	NS	NA	11/10/2015	5.60	NS	NA
	Chloride (mg/L)	38		NA		***44.2***		NA		***47.6***		NA		NA		NA		***43.7***		NA		NA		***42.9***		NA
	Sulfate (mg/L)	462		NA		402		NA		429		NA		NA		NA		425		NA		NA		430		NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.82		NA		7.09		NA		NA		NA		6.84		NA		NA		***6.48***		NA
	TDS (mg/L)	1075		NA		996		NA		1040		NA		NA		NA		1010		NA		NA		1000		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		<1.0		NA		<1.0		NA		NA		NA		<1.0		NA		NA		<1.0		NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	2/9/2015	***130***	NS	NA	4/21/2015	***125***	NS	NA	NS	NA	NS	NA	7/21/2015	***113***	NS	NA	NS	NA	11/10/2015	***116***	NS	NA
	Cadmium (ug/L)	5.2		NA		4.83		NA		4.59		NA		NA		NA		4.97		NA		NA		4.73		NA
	Uranium (ug/L)	4.9		NA		4.48		NA		***6.13***		NA		NA		NA		4.87		NA		NA		4.84		NA
	Vanadium (ug/L)	30		NA		<15.0		NA		<15.0		NA		NA		NA		<15.0		NA		NA		<15.0		NA
	Field pH (S.U.)	6.1 - 8.5		NA		***5.86***		NA	4/21/2015 4/27/2015	***6.08,*** 6.17		NA		NA		NA		***5.91***		NA		NA		6.22		NA
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	2/10/2015	***4430***	NS	NA	4/30/2015	4190	NS	NA	NS	NA	NS	NA	7/22/2015	4310	NS	NA	NS	NA	11/16/2015	4110	NS	NA
	Sulfate (mg/L)	2946		NA		NA		NA		***2960***		NA		NA		NA		NA		NA		NA		2740		NA
	Field pH (S.U.)	6.46 - 8.5		NA		***6.42***		NA		***6.36***		NA		NA		NA		***6.30***		NA		NA		***6.37***		NA
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	2/9/2015	2.19	NS	NA	4/8/2015	1.81	NS	NA	NS	NA	NS	NA	7/23/2015	1.89	NS	NA	NS	NA	11/3/2015	2.19	NS	NA
	Chloride (mg/L)	35.39		NA	3/17/2015	36.8		NA		***37.8***		NA		NA		NA		***37.3***		NA		NA		34.1		NA
	Sulfate (mg/L)	2556.70		NA	NS	NA		NA		2150		NA		NA		NA		NA		NA		NA		NA		NA
	Field pH (S.U.)	6.4 - 8.5		NA	2/9/2015	***6.29***		NA		***6.37***		NA		NA		NA		***6.26***		NA		NA		6.41		NA

Notes:

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

NS = Not Required and Not Sampled

NR = Required and Not Reported

NA = Not Applicable

Exceedances are shown in yellow

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

Reported from the quarterly chloroform sample

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

			Q1 2016 Results						Q2 2016 Results						Q3 2016						Q4 2016						
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	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	July 2016 Monthly Sample Date	July 2016 Monthly Result	Q3 2016 Sample Date	Q3 2016 Result	September 2016 Monthly Sample Date	September 2016 Monthly Result	October 2016 Monthly Sample Date	October 2016 Monthly Result	Q4 2016 Sample Date	Q4 2016 Result	December 2016 Monthly Sample Date	December 2016 Monthly Result	Sample Frequency
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***	7/13/2016	***140***	8/16/2016	***158***	9/14/2016	***169***	10/5/2016	***160***	11/7/2016	***203***	12/6/2016	***202***	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***	7/13/2016	***6.20***	8/17/2016	6.71	9/14/2016	***6.43***	10/5/2016	6.69	11/2/2016	6.59	12/6/2016	***6.38***	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***	7/12/2016	***6.23***	8/17/2016	6.57	9/13/2016	***6.21***	10/4/2016	6.66	11/2/2016	6.65	12/5/2016	6.70	Quarterly
	Chloride (mg/L)	35		29.6		31.6		30.9		31.5		30.8		31.2		29.6		32.2		32.0		32.3		32.7		NS	Quarterly
	Cadmium (ug/L)	1.5		1.37		***1.51***		1.42		1.39		1.43		1.43		1.44		1.37		1.41		1.41		1.33		1.41	Quarterly
	Uranium (ug/L)	6.5		***6.54***		6.16		6.22		6.03		6.30		5.99		***6.64***		6.33		6.48		6.36		6.48		***6.70***	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***	7/14/2016	***1.63***	8/18/2016	***2.70***	9/15/2016	***1.67***	10/6/2016	***1.11***	11/9/2016	***2.73***	12/6/2016	***1.80***	Quarterly
	Uranium (ug/L)	41.8		29.3		30.4		***67.7***		***53.9***		39.7		***52.7***		***45.4***		34.2		31.7		32.2		30.2		34.9	Quarterly
	Chloroform (ug/L)	70		***2370***		***3530***		***2280***		***2060***		***1720***		***1860***		***3300***		***2950***		***3950***		***1660***		***2440***		***2970***	Quarterly
	Chloride (mg/L)	58.31		***63.5***		***69.1***		***76.8***		***67.4***		***68.1***		***81.6***		***68.3***		***78.6***		***75.6***		***71.1***		***67.9***		***73.7***	Quarterly
	Field pH (S.U.)	6.74 - 8.5		***6.27***		***5.98***		***6.35***		***6.50***		***6.19***		***6.29***		***6.20***		***6.65***		***6.40***		***6.68***		***5.90***		***6.23***	Quarterly
	Methylene Chloride (ug/L)	5		4.73		***8.68***		3.93		***5.62***		3.63		4.12		***8.99***		***6.08***		***11.9***		3.49		3.40		***5.08***	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***	7/13/2016	***16.1***	8/18/2016	***18.0***	9/14/2016	***17***	10/5/2016	***17.2***	11/3/2016	***18.0***	12/6/2016	***18.2***	Quarterly
	Chloride (mg/L)	128		***143***		***145***		***142***		***144***		***139***		***142***		***137***		***150***		***146***		***148***		***143***		***158***	Quarterly
	Uranium (ug/L)	8.32		***8.34***		7.76		7.82		7.55		8.18		7.66		8.10		8.23		8.22		7.64		7.92		***8.63***	Quarterly
	Field pH (S.U.)	6.5 - 8.5		***6.45***		6.94		6.51		6.84		***6.30***		***6.28***		***6.23***		6.86		6.60		6.87		6.94		***6.34***	Quarterly
	Fluoride (mg/L)	0.51		NA		0.360		<10.00		0.359		0.346		0.36		0.36		0.399		0.368		0.376		0.375		0.385	Quarterly
	Selenium (ug/L)	34		***41.7***		***42.5***		***43.2***		***41.0***		***42.5***		***41.8***		***42.7***		***43.1***		***43.0***		***42.8***		***43.4***		***42.1***	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***	7/12/2016	***17.4***	8/16/2016	***19.7***	9/13/2016	***18.6***	10/4/2016	***18.8***	11/1/2016	***19.8***	12/5/2016	***18.5***	Quarterly
	TDS (mg/L)	1320		***1560***		***1490***		***1580***		***1710***		***1550***		***1580***		***1610***		***1710***		***1570***		***1670***		***1690***		***1670***	Quarterly
	Chloride (mg/L)	143		***228***		***246***		***228***		***254***		***243***		***252***		***241***		***272***		***254***		***260***		***267***		***274***	Quarterly
	Selenium (ug/L)	71		***85.1***		***81.0***		***85.7***		***81.6***		***84.6***		***83.3***		***85.6***		***85.4***		***85.5***		***88.2***		***89.0***		***87.1***	Quarterly
	Field pH (S.U.)	6.5 - 8.5		7.04		7.21		6.83		6.93		***6.48***		7.01		***6.49***		6.92		***6.35***		6.99		6.92		6.79	Quarterly
	Uranium (ug/L)	9.1		NS		8.41		NS		NS		9.05		NS		NS		***9.41***		NS		NS		***9.56***		***10.3***	Quarterly
	Sulfate (mg/L)	532		***675***		***631***		***654***		***715***		***699***		***748***		***712***		***766***		***703***		***720***		***752***		***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***	7/12/2016	***210***	8/16/2016	***204***	9/13/2016	198	10/4/2016	196	11/9/2016	***224***	12/5/2016	189	Quarterly
	Thallium (ug/l)	0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		NS	Quarterly
	Gross Alpha minus Rn & U (pCi/L)	3.75		***6.95***		2.42		***3.88***		3.65		3.22		***5.39***		3.64		2.56		3.68		2.65		3.33		2.80	Quarterly
	Field pH (S.U.)	6.5 - 8.5		***6.35***		6.70		6.53		6.51		***6.22***		***6.20***		***6.28***		6.65		***6.21***		6.73		***6.30***		6.50	Quarterly
	Selenium (ug/L)	12.5		8.62		***14.4***		***20.2***		9.2		***12.9***		6.18		8.60		***16.80***		***18.50***		***14.0***		10.50		***21.90***	Quarterly
	Uranium (ug/L)	7.5		***21.1***		***20.8***		***21.8***		***19.9***		***21.2***		***19.4***		***21.5***		***22.2***		***22.0***		***21.0***		***22.0***		***24.0***	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	NS	NA	8/24/2016	21.5	NS	NA	NS	NA	11/8/2016	***23.7***	NS	NA	Semi-Annually
	Field pH (S.U.)	6.77 - 8.5		NA		7.06		NA		NA		***6.36***		NA		NA		7.21		NA		NA		***6.54***		NA	Semi-Annually
	Sulfate (mg/L)	838		NA		812		NA		NA		825		NA		NA		***866***		NA		NA		720		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	NS	NA	9/22/2016	5.06	NS	NA	NS	NA	11/8/2016	***56.3***	NS	NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		***6.21***		NA		NA		***6.15***		NA		NA		***6.40***		NA		NA		***6.40***		NA	Semi-Annually
	Beryllium (ug/L)	2		NA		0.694		NA		NA		0.625		NA		NA		1.01		NA		NA		1.47		NA	Semi-Annually
	Cadmium (ug/L)	4.67		NA		3.71		NA		NA		***4.71***		NA		NA		2.72		NA		NA		***9.79***		NA	Semi-Annually
	Zinc (ug/L)	173.19		NA		***4210***		NA		NA		***2580***		NA		NA		***2070***		NA		NA		***1310***		NA	Semi-Annually
	Thallium (ug/l)	1.6		NA		1.46		NA		NA		1.54		NA		NA		1.60		NA		NA		1.55		NA	Semi-Annually
	Sulfate (mg/L)	3663		NA		3230		NA		NA		3350		NA		NA		3010		NA		NA		3080		NA	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		<0.100		NA		NA		<0.100		NA		NA		0.108		NA		NA		0.399		NA	Semi-Annually
	Tetrahydrofuran (ug/L)	23		NA		11.6		NA		NA		***36.1***		NA		NA		***41.3***		NA		NA		12.9		NA	Semi-Annually
	Nickel (ug/L)	100		NA		76.9		NA		NA		83.6		NA		NA		***113***		NA		NA		100		NA	Semi-Annually
	Manganese (ug/L)	4233		NA		2820		NA		NA		***4560***		NA		NA		***4510***		NA		NA		3260		NA	Semi-Annually
	Fluoride (mg/L)	0.68		NA		***1.33***		NA		NA		***1.13***		NA		NA		***0.827***		NA		NA		***1.37***		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	NS	NA	9/22/2016	6.79	NS	NA	NS	NA	11/8/2016	***6.35***	NS	NA	Semi-Annually
	Sulfate (mg/L)	3640		NA		3580		NA		NA		3580		NA		NA		3390		NA		NA		3440		NA	Semi-Annually
	Selenium (ug/L)	89		NA		***91.5***		NA		NA		***103***		NA		NA		75.7		NA		NA		***142***		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	NS	NA	8/19/2016	0.688	NS	NA	NS	NA	11/9/2016	0.661	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	NS	NA	8/19/2016	***27.7***	NS	NA	NS	NA	11/8/2016	***29.3***	NS	NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		***6.36***		NA		NA		***6.31***		NA		NA		6.84		NA		NA		***6.43***		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	NS	NA	8/18/2016	110	NS	NA	NS	NA	11/3/2016	112	NS	NA	Semi-Annually
	Field pH (S.U.)	6.62 - 8.5		NA		***6.30***		NA		NA		***6.02***		NA		NA		6.71		NA		NA		6.68		NA	Semi-Annually

			Q1 2016 Results						Q2 2016 Results						Q3 2016						Q4 2016						
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	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	July 2016 Monthly Sample Date	July 2016 Monthly Result	Q3 2016 Sample Date	Q3 2016 Result	September 2016 Monthly Sample Date	September 2016 Monthly Result	October 2016 Monthly Sample Date	October 2016 Monthly Result	Q4 2016 Sample Date	Q4 2016 Result	December 2016 Monthly Sample Date	December 2016 Monthly Result	Sample Frequency
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	NS	NA	8/23/2016	***2.58***	NS	NA	NS	NA	11/2/2016	***2.73***	NS	NA	Semi-Annually
	Sulfate (mg/L)	1938.9		NA		1890		NA		NA		1890		NA		NA		***1960***		NA		NA		1780		NA	Semi-Annually
	Field pH (S.U.)	6.25-8.5		NA		***6.10***		NA		NA		***5.93***		NA		NA		6.64		NA		NA		6.55		NA	Semi-Annually
	TDS (mg/L)	3198.77		NA		3130		NA		NA		3190		NA		NA		3180		NA		NA		3140		NA	Semi-Annually
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	NS	NA	8/23/2016	7.07	NS	NA	NS	NA	11/7/2016	***6.47***	NS	NA	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		2.44		NA		NA		2.63		NA		NA		2.62		NA		NA		2.68		NA	Semi-Annually
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	NS	NA	NS	NA	NS	NA	5/18/2016	6.59	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/16/2016	***6.26***	NS	NA	Semi-Annually
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	NS	NA	9/22/2016	***3.97***	NS	NA	NS	NA	11/2/2016	***3.67***	NS	NA	Semi-Annually
	Fluoride (mg/L)	0.36		NA		0.117		NA		NA		***0.446***		NA		NA		0.135		NA		NA		0.345		NA	Semi-Annually
	Sulfate (mg/L)	2903		NA		2750		NA		NA		2760		NA		NA		2460		NA		NA		2490		NA	Semi-Annually
	Thallium (ug/L)	1		NA		***2.04***		NA		NA		***2.10***		NA		NA		***1.57***		NA		NA		***1.46***		NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		***5.95***		NA		NA		***4.83***		NA		NA		***6.00***		NA		NA		***5.48***		NA	Semi-Annually
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	NS	NA	8/24/2016	***6.46***	NS	NA	NS	NA	11/1/2016	***6.89***	NS	NA	Semi-Annually
	Chloride (mg/L)	38		NA		***47.3***		NA		NA		***43.1***		NA		NA		***42.3***		NA		NA		***43.2***		NA	Semi-Annually
	Sulfate (mg/L)	462		NA		439		NA		NA		418		NA		NA		383		NA		NA		394		NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		6.59		NA		NA		6.54		NA		NA		7.36		NA		NA		6.93		NA	Semi-Annually
	TDS (mg/L)	1075		NA		1050		NA		NA		1020		NA		NA		960		NA		NA		908		NA	Semi-Annually
	Gross Alpha minus Rn & U (pCi/L)	2		NA		<1.0		NA		NA		<1.0		NA		NA		<1.0		NA		NA		<1.0		NA	Semi-Annually
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	2/2/2016	***130***	NS	NA	NS	NA	4/20/2016	***121***	NS	NA	NS	NA	9/1/2016	***127***	NS	NA	NS	NA	11/1/2016	***126***	NS	NA	Semi-Annually
	Cadmium (ug/L)	5.2		NA		***5.26***		NA		NA		4.90		NA		NA		5.14		NA		NA		4.84		NA	Semi-Annually
	Uranium (ug/L)	4.9		NA		4.61		NA		NA		3.95		NA		NA		4.71		NA		NA		4.09		NA	Semi-Annually
	Vanadium (ug/L)	30		NA		<15.0		NA		NA		<15.0		NA		NA		<15.0		NA		NA		<15.0		NA	Semi-Annually
	Field pH (S.U.)	6.1 - 8.5		NA		***5.46***		NA		NA		***5.73***		NA		NA		6.56		NA		NA		6.21		NA	Semi-Annually
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	2/10/2016	***4410***	NS	NA	NS	NA	4/27/2016	4100	NS	NA	NS	NA	9/1/2016	***4410***	NS	NA	NS	NA	11/8/2016	4090	NS	NA	Semi-Annually
	Sulfate (mg/L)	2946		NA		2710		NA		NA		2730		NA		NA		2750		NA		NA		2290		NA	Semi-Annually
	Field pH (S.U.)	6.46 - 8.5		NA		6.47		NA		NA		***6.03***		NA		NA		6.78		NA		NA		***6.35***		NA	Semi-Annually
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	NS	NA	8/17/2016	2.56	NS	NA	NS	NA	10/31/2016	1.07	NS	NA	Semi-Annually
	Chloride (mg/L)	35.39		NA		***38.2***		NA		NA		***36.3***		NA		NA		***38.3***		NA		NA		***39.1***		NA	Semi-Annually
	Sulfate (mg/L)	2556.70		NA		NA		NA		NA		2220		NA		NA		NA		NA		NA		***2590***		NA	Semi-Annually
	Field pH (S.U.)	6.4 - 8.5		NA		***5.99***		NA		NA		***6.06***		NA		NA		***6.29***		NA		NA		***6.38***		NA	Semi-Annually

Notes:

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

NS = Not Required and Not Sampled

NR = Required and Not Reported

NA = Not Applicable

Exceedances are shown in yellow

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

*Pursuant to agreements with DWMRC, EFRI abandoned MW-03 on November 30, 2016. MW-03 will be dropped from this report after this quarter.

Pursuant to the DRC letter of November 8, 2016, these constituents will no longer be monitored on an accelerated schedule. These constituents will be dropped from this report after this quarter.

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Tab A

Site Plan and Perched Well Locations White Mesa Site

CORRAL CANYON
WESTWATER
COTTONWOOD
RUIN SPRING
CORRAL SPRINGS
ENTRANCE SPRING
WHITE MESA
Mill Site
wildlife pond
wildlife pond
wildlife pond
Cell 1
Cell 2
Cell 3
Cell 4B
Cell 4A
abandoned
TWN-11
TWN-12
TWN-19
TWN-16
TWN-15
TWN-17
TWN-14
TWN-10
TWN-09
TWN-13
TWN-06
TWN-05
TWN-08
TWN-07
TWN-18
TWN-03
TWN-02
TWN-04
TWN-01
PIEZ-01
PIEZ-02
PIEZ-3A
PIEZ-04
PIEZ-05
MW-01
MW-18
MW-19
MW-27
MW-02
MW-24
MW-28
MW-29
MW-30
MW-31
MW-32
MW-23
MW-12
MW-05
MW-35
MW-36
MW-33
MW-34
MW-37
MW-15
MW-14
MW-25
MW-17
MW-3A
MW-21
MW-20
MW-22
DR-05
DR-06
DR-07
DR-08
DR-09
DR-10
DR-11
DR-12
DR-13
DR-14
DR-15
DR-17
DR-19
DR-20
DR-21
DR-22
DR-23
DR-24
TW4-25
TW4-21
TW4-22
TW4-19
TW4-24
TW4-39
TW4-05
TW4-37
TW4-20
TW4-09
TW4-38
TW4-12
MW-26
TW4-10
TW4-03
TW4-28
TW4-32
TW4-16
TW4-11
TW4-13
TW4-02
MW-04
TW4-07
TW4-08
TW4-36
TW4-01
TW4-04
TW4-14
TW4-06
TW4-23
TW4-33
TW4-31
TW4-26
TW4-29
TW4-30
TW4-35
TW4-34
TW4-18
1 mile

EXPLANATION

- **TW4-19** ⊕ perched chloroform or nitrate pumping well
- **TW4-38** ✦ temporary perched monitoring well installed October, 2016
- **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

HYDRO GEO CHEM, INC.

WHITE MESA SITE PLAN SHOWING LOCATIONS OF PERCHED WELLS AND PIEZOMETERS

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/feb17/Uwelloc1216.srf	A-1

Tab B

Field Data Worksheets Quarterly Sampling

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

See instruction

Description of Sampling Event: 4TH Quarter Ground Water 2016

Location (well name): MW-01

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-01_11082016

Date and Time for Purging: 11/8/2016 and Sampling (if different): N/A

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

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

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

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm Well Depth(0.01ft): 118.00

Depth to Water Before Purging: 64.48 Casing Volume (V) 4" Well: 0 (.653h)
3" Well: ~~19.54~~ 19.64 (.367h)

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

Time	1017	Gal. Purged	39.49		
Conductance	1899	pH	6.50		
Temp. °C	15.44				
Redox Potential Eh (mV)	407				
Turbidity (NTU)	1.7				

Time	1018	Gal. Purged	39.71		
Conductance	1902	pH	6.52		
Temp. °C	15.41				
Redox Potential Eh (mV)	404				
Turbidity (NTU)	1.6				

Time	1019	Gal. Purged	39.92		
Conductance	1896	pH	6.52		
Temp. °C	15.39				
Redox Potential Eh (mV)	401				
Turbidity (NTU)	1.6				

Time	1020	Gal. Purged	40.14		
Conductance	1897	pH	6.54		
Temp. °C	15.37				
Redox Potential Eh (mV)	399				
Turbidity (NTU)	1.7				

Volume of Water Purged [40.14] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [181.03]

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

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

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth [98.35] Sample Time [1020]

See instruction

Comment

Arrived on site at 0712. Tanner and Garrin present for purge and sampling event.
Purge began at 0715. Purged well for a total of 185 minutes. Purge ended
and samples collected at 1020. water was clear
Left site at 1039
Deen Henderson split sampled.

[MW-01 11-08-2016] Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW-02

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-02_11082016

Date and Time for Purging: 11/8/2016 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 µMHOS/ cm

Well Depth(0.01ft): 128.8

Depth to Water Before Purging: 109.81

Casing Volume (V) 4" Well: 12.40 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1132	Gal. Purged	25.38
Conductance	3748	pH	6.56
Temp. °C	15.88		
Redox Potential Eh (mV)	410		
Turbidity (NTU)	0		

Time	1133	Gal. Purged	25.60
Conductance	3736	pH	6.56
Temp. °C	15.89		
Redox Potential Eh (mV)	409		
Turbidity (NTU)	0		

Time	1134	Gal. Purged	25.82
Conductance	3698	pH	6.58
Temp. °C	15.90		
Redox Potential Eh (mV)	408		
Turbidity (NTU)	0		

Time	1135	Gal. Purged	26.04
Conductance	3698	pH	6.58
Temp. °C	15.80		
Redox Potential Eh (mV)	407		
Turbidity (NTU)	0		

Volume of Water Purged: 26.04 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 114.29

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☒	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☒	☒		☐	☒
General Inorganics								

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

Final Depth: [ ] Sample Time: 1135

See instruction

Comment

Arrived on site at 0930. Tanner and Garrin present for purge and sampling event. Purge began at 0935. Purged well for a total of 120 minutes. Purge ended and samples collected at 1135. Water was clear
Left site at 1057

MW-02 11-08-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW-03

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-03_11082016

Date and Time for Purging: 11/8/2016 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-01

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 89.77

Depth to Water Before Purging: 83.19

Casing Volume (V) 4" Well: - (.653h)
3" Well: 2.41 (.367h)

Weather Cond.: Sunny

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

Time	0847	Gal. Purged	4.57
Conductance	5672	pH	6.40
Temp. °C	16.85		
Redox Potential Eh (mV)	455		
Turbidity (NTU)	5.0		

Time	0848	Gal. Purged	4.78
Conductance	5670	pH	6.41
Temp. °C	16.87		
Redox Potential Eh (mV)	453		
Turbidity (NTU)	5.1		

Time	0849	Gal. Purged	4.99
Conductance	5681	pH	6.41
Temp. °C	16.87		
Redox Potential Eh (mV)	452		
Turbidity (NTU)	5.1		

Time	0850	Gal. Purged	5.2
Conductance	5673	pH	6.40
Temp. °C	16.90		
Redox Potential Eh (mV)	450		
Turbidity (NTU)	5.2		

Volume of Water Purged: 5.2 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 23.21

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HN03	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 86.89 Sample Time: 0850

See instruction

Comment

Arrived on site at 0824. Tanner and Garrin present for purge and sampling event
Purge began at 0825. Purged well for a total of 25 minutes Purge ended and samples were collected at 0850. water was clear
Left site at 0924

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW-03A

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-03A_11082016

Date and Time for Purging: 11/7/2016 and Sampling (if different): 11/8/2016

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-11

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 95.00

Depth to Water Before Purging: 84.56

Casing Volume (V) 4" Well: 6.81 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1430	Gal. Purged	12.48
Conductance	5728	pH	6.23
Temp. °C	18.97		
Redox Potential Eh (mV)	471		
Turbidity (NTU)	0.3		

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

Time	0805	Gal. Purged	-
Conductance	5747	pH	6.40
Temp. °C	16.24		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0820	Gal. Purged	
Conductance	5765	pH	6.35
Temp. °C	16.00		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 12.48 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 65.55

Number of casing volumes evacuated (if other than two): 1.83

If well evacuated to dryness, number of gallons evacuated: 12 48

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 92.50 Sample Time: 0805

See instruction

Comment

Arrived on site at 1328. Tanner and Garrin present for purge.
Purge began at 1330. Purged well for a total of 60 minutes. Purged well dry!
Purge ended at 1430. Water was clear. Left site at 1431
Arrived on site at 0801 Tanner, Garrin, Deen Henderson all present to collect samples.
Depth to water was 87.42 samples collected at 0805 Left site at 0820

MW-03A 11-07-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW-05

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-05_11092016

Date and Time for Purging: ~~8/~~ 11/9/2016 and Sampling (if different): N/A

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

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

Sampling Event: Quarterly GW Prev. Well Sampled in Sampling Event: MW-23

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm Well Depth(0.01ft): 138.50

Depth to Water Before Purging: 106.25 Casing Volume (V) 4" Well: 21.05 (.653h) 3" Well: 0 (.367h)

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

Time	1057	Gal. Purged	42.74
Conductance	2843	pH	6.70
Temp. °C	15.40		
Redox Potential Eh (mV)	489		
Turbidity (NTU)	0		

Time	1058	Gal. Purged	42.96
Conductance	2846	pH	6.73
Temp. °C	15.15		
Redox Potential Eh (mV)	485		
Turbidity (NTU)	0		

Time	1059	Gal. Purged	43.18
Conductance	2839	pH	6.77
Temp. °C	15.20		
Redox Potential Eh (mV)	483		
Turbidity (NTU)	0		

Time	1.00	Gal. Purged	43.40
Conductance	2846	pH	6.81
Temp. °C	15.15		
Redox Potential Eh (mV)	480		
Turbidity (NTU)	0		

Volume of Water Purged: 43.4 gallon(s)

Pumping Rate Calculation

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

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

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 123.21 Sample Time: 1100

See instruction

Comment

Arrived on site at 0736. Tanner and Garrin present for purge and sampling event
Purge began at 0740. Purged well for a total of 200 minutes. Purge ended and samples collected at 1100. water was clear
Left site at 1109

MW-05 11-09-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Ground Water 2016

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_11072016

Date and Time for Purging: 11/7/2016 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-19

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 85.96

Casing Volume (V) 4" Well: 28.75 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 9°

Time	1312	Gal. Purged	57.93
Conductance	2981	pH	6.42
Temp. °C	15.36		
Redox Potential Eh (mV)	468		
Turbidity (NTU)	4.7		

Time	1313	Gal. Purged	58.15
Conductance	2975	pH	6.54
Temp. °C	15.20		
Redox Potential Eh (mV)	461		
Turbidity (NTU)	5.1		

Time	1314	Gal. Purged	58.37
Conductance	2972	pH	6.61
Temp. °C	15.19		
Redox Potential Eh (mV)	461		
Turbidity (NTU)	5.2		

Time	1315	Gal. Purged	58.59
Conductance	2985	pH	6.63
Temp. °C	15.20		
Redox Potential Eh (mV)	457		
Turbidity (NTU)	5.2		

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

Volume of Water Purged: 58.59 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 265.05

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 86.97 Sample Time: 1315

See instruction

Comment

Arrived on site at 0840. Tanner and Garrin present for purge and sampling event. Purge began at 0845 Purged well for a total of 270 minutes. Purge ended and samples were collected at 1315 Water was clear
Left site at ~~1330~~ 1326

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capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW-12

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-12_11082016

Date and Time for Purging: 11/8/2016 and Sampling (if different): N/A

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

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

Sampling Event: ~~1000~~ 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 µMHOS/ cm Well Depth(0.01ft): 130.40

Depth to Water Before Purging: 108.28 Casing Volume (V) 4" Well: 14.44 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny Ext'l Amb. Temp. °C (prior sampling event): 18°

Time	1422	Gal. Purged	29.72
Conductance	3917	pH	6.48
Temp. °C	19.34		
Redox Potential Eh (mV)	408		
Turbidity (NTU)	3.2		

Time	1423	Gal. Purged	29.94
Conductance	3923	pH	6.45
Temp. °C	19.40		
Redox Potential Eh (mV)	410		
Turbidity (NTU)	3.4		

Time	1424	Gal. Purged	30.16
Conductance	3868	pH	6.44
Temp. °C	19.35		
Redox Potential Eh (mV)	411		
Turbidity (NTU)	3.3		

Time	1425	Gal. Purged	30.38
Conductance	3874	pH	6.43
Temp. °C	19.34		
Redox Potential Eh (mV)	412		
Turbidity (NTU)	3.5		

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

Volume of Water Purged [30.38] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [133.12]

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

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

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☑	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth [123.05] Sample Time [1425]

See instruction

Comment

Arrived on site at 1203. Tanner and Garrin present for purge and sampling event. Purge began at 1205. Purged well for a total of 140 minutes. Purge ended and Samples were collected at 1425. water was clear
Left site at 1433

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capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

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

See instruction

Description of Sampling Event: 4TH Quarter Ground Water 2016

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday TH

Field Sample ID: MW-14_11022016

Date and Time for Purging: 11/2/2016 and Sampling (if different): N/A

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

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

Sampling Event: Quarterly GW Prev. Well Sampled in Sampling Event: MW-25

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

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

Depth to Water Before Purging: 102.85 Casing Volume (V) 4" Well: 16.86 (.653h) 3" Well: 0 (.367h)

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

Time	1437	Gal. Purged	34.06		
Conductance	3895	pH	6.71		
Temp. °C	15.50				
Redox Potential Eh (mV)	502				
Turbidity (NTU)	7.0				

Time	1438	Gal. Purged	34.28		
Conductance	3932	pH	6.63		
Temp. °C	15.24				
Redox Potential Eh (mV)	505				
Turbidity (NTU)	7.6				

Time	1439	Gal. Purged	34.50		
Conductance	3914	pH	6.62		
Temp. °C	15.20				
Redox Potential Eh (mV)	507				
Turbidity (NTU)	7.8				

Time	1440	Gal. Purged	34.72		
Conductance	3912	pH	6.59		
Temp. °C	15.15				
Redox Potential Eh (mV)	508				
Turbidity (NTU)	7.9				

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Volume of Water Purged: 34.72 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 155.45

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 103.89 Sample Time: 1440

See instruction

Comment

Arrived on site at 1156 Tanner and Garrin present for purge and sampling event. Purge began at 1200 Purged well for a total of 160 minutes Purge ended and samples collected at 1440 Water was clear. Left site at 1451

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW-15

Sampler Name and initials: Tanner Holliday ATH

Field Sample ID: MW-15_11032016

Date and Time for Purging: 11/3/2016 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-30

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 137.00

Depth to Water Before Purging: 106.12

Casing Volume (V) 4" Well: 20.16 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 8°

Time	1152	Gal. Purged	40.57
Conductance	4290	pH	6.78
Temp. °C	16.03		
Redox Potential Eh (mV)	507		
Turbidity (NTU)	6.5		

Time	1153	Gal. Purged	40.79
Conductance	4250	pH	6.77
Temp. °C	15.81		
Redox Potential Eh (mV)	507		
Turbidity (NTU)	6.8		

Time	1154	Gal. Purged	41.01
Conductance	4230	pH	6.77
Temp. °C	15.80		
Redox Potential Eh (mV)	508		
Turbidity (NTU)	7.0		

Time	1155	Gal. Purged	41.23
Conductance	4251	pH	6.68
Temp. °C	15.90		
Redox Potential Eh (mV)	510		
Turbidity (NTU)	7.2		

Volume of Water Purged: 41.23 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 185.84

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

If well evacuated to dryness, number of gallons evacuated: 0

Name of Certified Analytical Laboratory if Other Than Energy Labs: ANAL GEL

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☑	☐	3x40 ml	☐	☑	HCL	☑	☐
Nutrients	☑	☐	100 ml	☐	☑	H2SO4	☑	☐
Heavy Metals	☑	☐	250 ml	☑	☐	HNO3	☑	☐
All Other Non Radiologics	☑	☐	250 ml	☐	☑	No Preserv.	☐	☑
Gross Alpha	☑	☐	1,000 ml	☑	☐	HNO3	☑	☐
Other (specify)	☑	☐	Sample volume	☐	☑		☐	☑
General Inorganics								

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

Final Depth: 108.90 Sample Time: 1155

See instruction

Comment

Arrived on site at 0841. Tanner and Garrin present for purge and sampling event. Purge began at 0845. Purged well for a total of 190 minutes. Purge ended and Samples collected at 1155. Water was clear
Left site at 1204

MW-15 11-03-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW-17

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-17_11162016

Date and Time for Purging: 11/16/2016 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-22

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 112.00

Depth to Water Before Purging: 71.61

Casing Volume (V) 4" Well: 26.37 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 9°

Time	1222	Gal. Purged	53.59		
Conductance	3802	pH	6.54		
Temp. °C	14.62				
Redox Potential Eh (mV)	459				
Turbidity (NTU)	0				

Time	1223	Gal. Purged	53.81		
Conductance	3803	pH	6.53		
Temp. °C	14.57				
Redox Potential Eh (mV)	459				
Turbidity (NTU)	0				

Time	1224	Gal. Purged	54.03		
Conductance	3803	pH	6.53		
Temp. °C	14.56				
Redox Potential Eh (mV)	459				
Turbidity (NTU)	0				

Time	1225	Gal. Purged	54.25		
Conductance	3802	pH	6.53		
Temp. °C	14.56				
Redox Potential Eh (mV)	459				
Turbidity (NTU)	0				

Volume of Water Purged: 54.25 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 243.08

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☑	☐	3x40 ml	☐	☑	HCL	☑	☐
Nutrients	☑	☐	100 ml	☐	☑	H2SO4	☑	☐
Heavy Metals	☑	☐	250 ml	☑	☐	HNO3	☐	☐
All Other Non Radiologics	☑	☐	250 ml	☐	☑	No Preserv.	☐	☑
Gross Alpha	☑	☐	1,000 ml	☑	☐	HNO3	☑	☐
Other (specify)	☑	☐	Sample volume	☐	☑		☐	☑
General Inorganics								

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

Final Depth: 84.82 Sample Time: 1225

See instruction

Comment

Arrived on site at 0810. Tanner present for purge and sampling event
Purge began at 0815. Purged well for a total of 250 minutes
Purge ended and samples were collected at 1225. Water was clear
Left site at 1238

MW-17 11-16-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW-17

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: ~~TZ~~ MW-17_12132016

Date and Time for Purging: ~~12/17~~ 12/13/2016 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: Quarterly GW — Prev. Well Sampled in Sampling Event: N/A

pH Buffer 7.0: 7.0 — pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm — Well Depth(0.01ft): 112.00

Depth to Water Before Purging: 71.73 — Casing Volume (V) 4" Well: 26.29 (.653h); 3" Well: 0 (.367h)

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

Time	1107	Gal. Purged	53.59
Conductance	3945	pH	6.58
Temp. °C	14.48		
Redox Potential Eh (mV)	470		
Turbidity (NTU)	3.0		

Time	1108	Gal. Purged	53.81
Conductance	3940	pH	6.56
Temp. °C	14.48		
Redox Potential Eh (mV)	469		
Turbidity (NTU)	3.2		

Time	1109	Gal. Purged	54.03
Conductance	3947	pH	6.55
Temp. °C	14.46		
Redox Potential Eh (mV)	467		
Turbidity (NTU)	3.3		

Time	1110	Gal. Purged	54.25
Conductance	3942	pH	6.55
Temp. °C	14.47		
Redox Potential Eh (mV)	465		
Turbidity (NTU)	34		

Volume of Water Purged [54.25] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [242.36]

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

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

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

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

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

Final Depth [78.75] Sample Time [1110]

See instruction

Comment

Arrived on site at 0655. Tanner present for purge and sampling event. Purge began at 0700 Purged well for a total of 250 minutes. Purge ended and samples were collected at 1110. water was clear Left site at 1121

[MW-17 12-13-2016] Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Ground Water 2016

Location (well name): MW-18

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-18_11022016

Date and Time for Purging: 11/2/2016 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 µMHOS/ cm

Well Depth(0.01ft): 134.00

Depth to Water Before Purging: 72.29

Casing Volume (V) 4" Well: 40.29 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

Ext'l Amb. Temp. °C (prior sampling event): 7°

Time	1347	Gal. Purged	80.71
Conductance	2755	pH	6.64
Temp. °C	15.17		
Redox Potential Eh (mV)	510		
Turbidity (NTU)	6.2		

Time	1348	Gal. Purged	80.93
Conductance	3318	pH	6.63
Temp. °C	15.07		
Redox Potential Eh (mV)	514		
Turbidity (NTU)	7.0		

Time	1349	Gal. Purged	81.15
Conductance	3361	pH	6.59
Temp. °C	14.98		
Redox Potential Eh (mV)	516		
Turbidity (NTU)	7.1		

Time	350	Gal. Purged	81.37
Conductance	3322	pH	6.55
Temp. °C	14.95		
Redox Potential Eh (mV)	516		
Turbidity (NTU)	7.4		

Volume of Water Purged: 81.37 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 371.39

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 73.22 Sample Time: 1350

See instruction

Comment

Arrived on site at 0730. Tanner and Garrin present for purge and sampling event
Purge began at 0735. Purged well for a total of 375 minutes.
Purge ended and samples collected at 1350. Water was clear.
Left site at 1400

MW-18 11-02-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Ground Water 2016

Location (well name): MW-19

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-19_11072016

Date and Time for Purging: 11/7/2016 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: ~~MW-15~~ MW-37 MW-37

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): ~~62.61~~ 149.00

Depth to Water Before Purging: 62.61

Casing Volume (V) 4" Well: 56.41 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 8°

Time	1437	Gal. Purged	116.52		
Conductance	1388 (1388)	pH	6.52 (6.52)		
Temp. °C	15.90	15.90			
Redox Potential Eh (mV)	456	456			
Turbidity (NTU)	1.0	1.0			

Time	1438	Gal. Purged	116.74		
Conductance	1386 (1386)	pH	6.50 (6.50)		
Temp. °C	15.81	15.81			
Redox Potential Eh (mV)	456	456			
Turbidity (NTU)	2.0	2.0			

Time	1439	Gal. Purged	116.96		
Conductance	1381 (1381)	pH	6.49 (6.49)		
Temp. °C	15.83	15.83			
Redox Potential Eh (mV)	457	457			
Turbidity (NTU)	2.0	2.0			

Time	1440	Gal. Purged	117.18		
Conductance	1380 (1380)	pH	6.47 (6.47)		
Temp. °C	15.79 (15.79)				
Redox Potential Eh (mV)	457	457			
Turbidity (NTU)	2.1	2.1			

Volume of Water Purged: 117.18 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 519.93

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 71.51 (7151)

Sample Time: 1440

See instruction

Comment:

Arrived on site at 0555 Tanner and Garrin present for purge and sampling event. Purge began at 0600. Purged well for a total of 520 Minutes Purge ended and samples collected at 1440 Water was clear
Left site at 1455

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW-20

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-20_11162016

Date and Time for Purging: 11/03/2016 and Sampling (if different): 11/16/2016

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-15

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 91.00

Depth to Water Before Purging: 84.44

Casing Volume (V) 4" Well: 4.28 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1401	Gal. Purged	5
Conductance	6527	pH	7.42
Temp. °C	15.10		
Redox Potential Eh (mV)	474		
Turbidity (NTU)	35		

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

Time	1139	Gal. Purged	0
Conductance	5785	pH	6.60
Temp. °C	15.49		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	1145	Gal. Purged	0
Conductance	5829	pH	6.63
Temp. °C	15.44		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged [7] gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two) [1.63]

If well evacuated to dryness, number of gallons evacuated [7]

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth [90.89] Sample Time [1140]

See instruction

Comment

[Arrived on site at 1354 Tanner and Garrin present to bail well Bailing began at 1356. Baled 5 Gallons into a bucket and took 1 set of parameters. Baled a total of 7 Gallons Baled well dry. Left site at 1406 water was a little murky.
Arrived on site at 1135. Tanner and Garrin present to collect samples. Deptn to water was 89.60 samples baled at 1140. Left site at 1150]

[MW-20 11-03-2016] Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW-22_11 (22)

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-22_11162016

Date and Time for Purging: 11/16/2016 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-24

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 114.00 (114)

Depth to Water Before Purging: 66.52 (66.52)

Casing Volume (V) 4" Well: 31.00 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 9°

Time	1247	Gal. Purged	64.44
Conductance	7699	pH	4.50
Temp. °C	14.77		
Redox Potential Eh (mV)	550		
Turbidity (NTU)	1.9		

Time	1248	Gal. Purged	64.66
Conductance	7691	pH	4.50
Temp. °C	14.77		
Redox Potential Eh (mV)	550		
Turbidity (NTU)	2.0		

Time	1249	Gal. Purged	64.88
Conductance	7684	pH	4.51
Temp. °C	14.77		
Redox Potential Eh (mV)	550		
Turbidity (NTU)	2.0		

Time	1250	Gal. Purged	65.1
Conductance	7680	pH	4.51
Temp. °C	14.78		
Redox Potential Eh (mV)	551		
Turbidity (NTU)	2.0		

0750

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Volume of Water Purged: 65.10 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 285.75

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 96.75 Sample Time: 1250

See instruction

Comment

Arrived on site at 0745 Tanner present for purge and sampling event.
Purge began at 0750. Purged well for a total of 300 minutes.
Purge ended and samples were collected at 1250. Water was clear
Left site at 1301

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW-23

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-23_11162016

Date and Time for Purging: 11/8/2016 and Sampling (if different): 11/16/2016

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-12

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 132.00

Depth to Water Before Purging: 114.02

Casing Volume (V) 4" Well: 11.74 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1535	Gal. Purged	23.87
Conductance	3847	pH	6.37
Temp. °C	17.61		
Redox Potential Eh (mV)	416		
Turbidity (NTU)	7.8		

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

Time	1359	Gal. Purged	0
Conductance	3951	pH	6.23
Temp. °C	15.01		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	1410	Gal. Purged	0
Conductance	3955	pH	6.26
Temp. °C	15.05		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 23.87 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 108.21

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

If well evacuated to dryness, number of gallons evacuated: 23.87

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☐	☐	3x40 ml	☐	☑	HCL	☑	☐
Nutrients	☑	☐	100 ml	☐	☑	H2SO4	☑	☐
Heavy Metals	☑	☐	250 ml	☑	☐	HNO3	☑	☐
All Other Non Radiologics	☑	☐	250 ml	☐	☑	No Preserv.	☐	☑
Gross Alpha	☑	☐	1,000 ml	☑	☐	HNO3	☑	☐
Other (specify)	☑	☐	Sample volume	☐	☑		☐	☑
General Inorganics								

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

Final Depth: 127.12 Sample Time: 1400

See instruction

Comment

Arrived on site at 1342. Tanner and Garrin present for purge
Purge began at 1345 Purged well for a total of 110 minutes. Purged well dry! water was clear. Left site at 1537
Arrived on site at 1356. Tanner present to collect samples. Depth to water was 123.80 Samples were collected at 1400, Left site at 1412

MW-23 11-08-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Ground Water 2016

Location (well name): MW-24

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-24_11102016

Date and Time for Purging: 11/9/2016 and Sampling (if different): 11/10/2016

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-36

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

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

Depth to Water Before Purging: 112.78 Casing Volume (V) 4" Well: 4.71 (.653h)
3" Well: 0 (.367h)

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

Time	1325	Gal. Purged	11.52		
Conductance	4299	pH	5.29		
Temp. °C	16.78				
Redox Potential Eh (mV)	551				
Turbidity (NTU)	51				

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

Time	1029	Gal. Purged	0		
Conductance	4355	pH	5.51		
Temp. °C	16.00				
Redox Potential Eh (mV)					
Turbidity (NTU)					

Before

Time	1045	Gal. Purged	0		
Conductance	4380	pH	5.48		
Temp. °C	16.11				
Redox Potential Eh (mV)					
Turbidity (NTU)					

After

Volume of Water Purged: 11.52 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 99.11

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

If well evacuated to dryness, number of gallons evacuated: 11.52

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 117.29 Sample Time: 1030

See instruction

Comment

Arrived on site at .222 Tanner and Garrin present for purge. Purge began at 1225 Purged well for a total of 60 minutes Purged well dry. Flow rate decreased until well ran dry. Purge ended at 1325. Water was clear. Left site at 1327
Arrived on site at 1026 Tanner present to collect samples. Depth to water was 112.83 Samples collected at 1030 Left site at 1046

MW-24 11-09-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Ground Water 2016

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_11022016

Date and Time for Purging: 11/2/2016 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 µMHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 77.41

Casing Volume (V) 4" Well: 24.54 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

Ext'l Amb. Temp. °C (prior sampling event): 7°

Time	1132	Gal. Purged	49.25
Conductance	3176	pH	6.84
Temp. °C	15.30		
Redox Potential Eh (mV)	513		
Turbidity (NTU)	19.0		

Time	1133	Gal. Purged	49.47
Conductance	3190	pH	6.70
Temp. °C	15.19		
Redox Potential Eh (mV)	515		
Turbidity (NTU)	18.0		

Time	1134	Gal. Purged	49.69
Conductance	3181	pH	6.68
Temp. °C	15.30		
Redox Potential Eh (mV)	515		
Turbidity (NTU)	17.0		

Time	1135	Gal. Purged	49.91
Conductance	3185	pH	6.65
Temp. °C	15.28		
Redox Potential Eh (mV)	515		
Turbidity (NTU)	17.0		

Volume of Water Purged: 49.91 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 226.23

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 79.32 Sample Time: 1135

See instruction

Comment

Arrived on site at 0741 Tanner and Garrin present for purge and sampling event.
Purge began at 0745. Purged well for a total of 230 minutes
Purge ended and samples collected at 1135. water was mostly clear.
Left site at 1144.

MW-25 11-02-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Ground Water 2016

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW 26_11092016

Date and Time for Purging: 11/9/2016 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-24

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 63.20

Casing Volume (V) 4" Well: 37.95 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1414	Gal. Purged	0
Conductance	3447	pH	5.90
Temp. °C	15.96		
Redox Potential Eh (mV)	530		
Turbidity (NTU)	1.8		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 7.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 10.84

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 83.91 Sample Time: 1415

See instruction

Comment

Arrived on site at 1412 Tanner and Garrin present to collect samples
Samples collected at 1415 water was clear
Left site at 1420

MW-26 11-09-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4Th Quarter Ground Water 2016

Location (well name): MW-27

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-27_11012016

Date and Time for Purging: 11/1/2016 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 µMHOS/ cm

Well Depth(0.01ft): 95.00

Depth to Water Before Purging: 54.38

Casing Volume (V) 4" Well: 26.52 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1127	Gal. Purged	52.51
Conductance	1396	pH	6.97
Temp. °C	15.04		
Redox Potential Eh (mV)	504		
Turbidity (NTU)	7.0		

Time	1128	Gal. Purged	52.73
Conductance	1396	pH	6.96
Temp. °C	15.02		
Redox Potential Eh (mV)	504		
Turbidity (NTU)	7.3		

Time	1129	Gal. Purged	52.94
Conductance	1395	pH	6.94
Temp. °C	14.99		
Redox Potential Eh (mV)	504		
Turbidity (NTU)	7.4		

Time	1130	Gal. Purged	53.16
Conductance	1396	pH	6.93
Temp. °C	15.00		
Redox Potential Eh (mV)	505		
Turbidity (NTU)	7.4		

Volume of Water Purged: 53.16 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 244.46

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☑	☐	3x40 ml	☐	☑	HCL	☑	☐
Nutrients	☑	☐	100 ml	☐	☑	H2SO4	☑	☐
Heavy Metals	☑	☐	250 ml	☑	☐	HNO3	☑	☐
All Other Non Radiologics	☑	☐	250 ml	☐	☑	No Preserv.	☐	☑
Gross Alpha	☑	☐	1,000 ml	☑	☐	HNO3	☑	☐
Other (specify)	☑	☐	Sample volume	☐	☑		☐	☑
General Inorganics								

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

Final Depth: 56.00 Sample Time: 1130

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 245 minutes.
Purge ended and samples collected at 1130. Water was clear
Left site at 1140

MW-27 11-01-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW 28

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-28_11012016

Date and Time for Purging: 11/1/2016 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-31

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 74 90

Casing Volume (V) 4" Well: 22.92 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly cloudy, windy

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

Time	1532	Gal. Purged	46.00
Conductance	3990	pH	6.59
Temp. °C	14.98		
Redox Potential Eh (mV)	520		
Turbidity (NTU)	8.2		

Time	1533	Gal. Purged	46.22
Conductance	3986	pH	6.30
Temp. °C	14.99		
Redox Potential Eh (mV)	527		
Turbidity (NTU)	8.4		

Time	1534	Gal. Purged	46.43
Conductance	3980	pH	6.28
Temp. °C	15.00		
Redox Potential Eh (mV)	532		
Turbidity (NTU)	8.5		

Time	1535	Gal. Purged	46.65
Conductance	3969	pH	6.21
Temp. °C	14.92		
Redox Potential Eh (mV)	535		
Turbidity (NTU)	8.6		

Volume of Water Purged: 46.65 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 211.24

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

If well evacuated to dryness, number of gallons evacuated: 0

Name of Certified Analytical Laboratory if Other Than Energy Labs: IWAL GEL

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 78.83 Sample Time: 1535

See instruction

Comment

Arrived on site at 1155. Tanner and Garrin present for purge and sampling event. Purge began at 1200. Purged well for a total of 215 minutes. Purge ended and samples were collected at 1535. water was mostly clear. Left site at 1545.

MW-28 11-01-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW-29

Sampler Name and initials: Tanner Hoiliday/TH

Field Sample ID: MW-29-11082016

Date and Time for Purging: 11/8/2016 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 µMHOS/ cm Well Depth(0.01ft): 127.00

Depth to Water Before Purging: 100.75 Casing Volume (V) 4" Well: 17.14 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny Ext'l Amb. Temp. °C (prior sampling event): 15°

Time	1327	Gal. Purged	34.06		
Conductance	4592	pH	6.45		
Temp. °C	15.75				
Redox Potential Eh (mV)	417				
Turbidity (NTU)	23				

Time	1328	Gal. Purged	34.28		
Conductance	4601	pH	6.39		
Temp. °C	15.71				
Redox Potential Eh (mV)	420				
Turbidity (NTU)	23				

Time	1329	Gal. Purged	34.50		
Conductance	4573	pH	6.37		
Temp. °C	15.62				
Redox Potential Eh (mV)	420				
Turbidity (NTU)	24				

Time	1330	Gal. Purged	34.72		
Conductance	4560	pH	6.35		
Temp. °C	15.59				
Redox Potential Eh (mV)	420				
Turbidity (NTU)	25				

Volume of Water Purged: 34.72 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 157.98

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 103.21 Sample Time: 1330

See instruction

Comment

Arrived on site at 1047. Tanner and Garrin present for purge and sampling event. Purge began at 1050. Purged well for a total of 160 minutes. Purge ended and samples collected at 1330. Water was mostly clear Left site at 1340

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_11032016

Date and Time for Purging: 11/3/2016 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 Chloroform Ground Water

Prev. Well Sampled in Sampling Event: MW-14

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.45

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

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 7°

Time	1212	Gal. Purged	48.17
Conductance	2088	pH	7.03
Temp. °C	15.06		
Redox Potential Eh (mV)	480		
Turbidity (NTU)	6.5		

Time	1213	Gal. Purged	48.39
Conductance	2093	pH	6.98
Temp. °C	15.03		
Redox Potential Eh (mV)	482		
Turbidity (NTU)	7.0		

Time	1214	Gal. Purged	48.60
Conductance	2082	pH	6.96
Temp. °C	15.07		
Redox Potential Eh (mV)	483		
Turbidity (NTU)	7.0		

Time	1215	Gal. Purged	48.82
Conductance	2083	pH	6.94
Temp. °C	15.03		
Redox Potential Eh (mV)	485		
Turbidity (NTU)	7.3		

Volume of Water Purged: 48.82 gallon(s)

Pumping Rate Calculation

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

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

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 78.00

Sample Time: ~~1200~~ 1215

See instruction

Comment

Arrived on site at 0825. Tanner and Garrin present for purge and sampling event. Purge began at 0830. Purged well for a total of 225 minutes. Purge ended and Samples were collected at 1215. Water was clear
Left site at 1223

MW-30 11-03-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW-31 (MW-31)

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_11012016

Date and Time for Purging: 11/1/2016 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-27 (MW-27)

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 68.17 68.17

Casing Volume (V) 4" Well: 40.37 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1347	Gal. Purged	80.71		
Conductance	2444	pH	6.97		
Temp. °C	15.14				
Redox Potential Eh (mV)	499				
Turbidity (NTU)	18.1				

Time	1348	Gal. Purged	80.93		
Conductance	2433	pH	6.94		
Temp. °C	15.10				
Redox Potential Eh (mV)	499				
Turbidity (NTU)	18.3				

Time	1349	Gal. Purged	81.15		
Conductance	2411	pH	6.93		
Temp. °C	15.11				
Redox Potential Eh (mV)	498				
Turbidity (NTU)	19				

Time	1350	Gal. Purged	81.37		
Conductance	2417	pH	6.92		
Temp. °C	15.09				
Redox Potential Eh (mV)	498				
Turbidity (NTU)	19				

Volume of Water Purged: 81.37 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 1217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 372.11

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 71.68 Sample Time: 1350

See instruction

Comment: 0735

Arrived on site at 0731. Tanner and Garrin present for purge and sampling event
Purge began at 0735 Purged well for a total of 375 minutes.
Purge ended and samples were collected at 1350 water was clear.
Left site at 1400

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

See instruction

Description of Sampling Event: 4th Quarter Groundwater 2016

Location (well name): MW-32_10312016

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: ~~10/31/2016~~ MW-32_10312016 MW-32_10312016

Date and Time for Purging: 10/31/2016 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 µMHOS/ cm Well Depth(0.01ft): 132.50

Depth to Water Before Purging: 77.70 Casing Volume (V) 4" Well: 35.78 (.653h)
3" Well: 0 (.367h)

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

Time	1327	Gal. Purged	70.95
Conductance	3816	pH	6.51
Temp. °C	14.86		
Redox Potential Eh (mV)	535		
Turbidity (NTU)	15.4		

Time	1328	Gal. Purged	71.17
Conductance	3843	pH	6.45
Temp. °C	14.88		
Redox Potential Eh (mV)	531		
Turbidity (NTU)	15.5		

Time	1329	Gal. Purged	71.39
Conductance	3814	pH	6.40
Temp. °C	14.82		
Redox Potential Eh (mV)	528		
Turbidity (NTU)	15		

Time	1330	Gal. Purged	71.61
Conductance	3817	pH	6.38
Temp. °C	14.88		
Redox Potential Eh (mV)	522		
Turbidity (NTU)	15.3		

Volume of Water Purged: 71.61 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 329.81

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

If well evacuated to dryness, number of gallons evacuated: 0

Name of Certified Analytical Laboratory if Other Than Energy Labs: ANAL GEL

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 81.13 Sample Time: 1330

See instruction

Comment

Arrived on site at 0755. Tanner and Garrin present for purge and sampling event. Purge began at 0800. Purged well for a total of 330 minutes. Purge ended and samples collected at 1330. water was mostly clear.
Left site at 1345

MW-32 10-31-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Ground Water 2016

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_11092016

Date and Time for Purging: 11/9/2016 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 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.45

Casing Volume (V) 4" Well: 7.86 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1012	Gal. Purged	15.62
Conductance	2780	pH	6.17
Temp. °C	16.30		
Redox Potential Eh (mV)	518		
Turbidity (NTU)	0		

Time	1013	Gal. Purged	15.84
Conductance	2409	pH	6.25
Temp. °C	16.29		
Redox Potential Eh (mV)	511		
Turbidity (NTU)	0		

Time	1014	Gal. Purged	16.05
Conductance	2423	pH	6.29
Temp. °C	16.20		
Redox Potential Eh (mV)	510		
Turbidity (NTU)	0		

Time	1015	Gal. Purged	16.27
Conductance	2403	pH	6.30
Temp. °C	16.15		
Redox Potential Eh (mV)	508		
Turbidity (NTU)	0		

Volume of Water Purged: 16.27 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 72.52

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☑	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☑	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☑	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 113.75 Sample Time: 1015

See instruction

Comment

Arrived on site at 0856. Tanner and Garrin present for purge and sampling event. Purge began at 0900. Purged well for a total of 75 minutes. Purge ended and samples were collected at 1015. water was clear. Left site at 1026

MW-35 11-09-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Ground Water 2016

Location (well name): MW-36

Sampler Name and initials: Tanner-Holliday/TH

Field Sample ID: MW-36_11092016

Date and Time for Purging: 11/9/2016 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: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-35

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 121.60

Depth to Water Before Purging: 110.50

Casing Volume (V) 4" Well: 7.24 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1157	Gal. Purged	16.70
Conductance	4809	pH	6.28
Temp. °C	16.10		
Redox Potential Eh (mV)	519		
Turbidity (NTU)	0		

Time	1158	Gal. Purged	16.92
Conductance	4762	pH	6.29
Temp. °C	16.01		
Redox Potential Eh (mV)	511		
Turbidity (NTU)	0		

Time	1159	Gal. Purged	17.14
Conductance	4759	pH	6.30
Temp. °C	16.03		
Redox Potential Eh (mV)	509		
Turbidity (NTU)	0		

Time	1200	Gal. Purged	17.36
Conductance	4776	pH	6.32
Temp. °C	16.02		
Redox Potential Eh (mV)	506		
Turbidity (NTU)	0		

Volume of Water Purged: 17.36 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 66.80

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 112.10 Sample Time: 1200

See instruction

Comment

Arrived on site at 1037. Tanner and Garrin present for purge and sampling event
Purge began at 1040. Purged well for a total of 80 minutes. Purge ended and
Samples collected at 1200. Water was clear.
Left site at 1215

MW-36 11-09-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW-37

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-37_11162016

Date and Time for Purging: 11/3/2016 and Sampling (if different): 11/16/2016

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

Well Pump (if other than Bennet): N/A

Purging Method Used: [X] 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 µMHOS/ cm

Well Depth(0.01ft): 121.80

Depth to Water Before Purging: 106.90

Casing Volume (V) 4" Well: 9.72 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly cloudy

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

Time	1420	Gal. Purged	.5		
Conductance	4403	pH	6.98		
Temp. °C	14.53				
Redox Potential Eh (mV)	482				
Turbidity (NTU)	26				

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

Time	1040	Gal. Purged	0		
Conductance	4301	pH	5.98		
Temp. °C	15.50				
Redox Potential Eh (mV)					
Turbidity (NTU)					

Before

Time	1044	Gal. Purged	0		
Conductance	4329	pH	6.03		
Temp. °C	15.47				
Redox Potential Eh (mV)					
Turbidity (NTU)					

After

Volume of Water Purged: 14 gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two): 1.44

If well evacuated to dryness, number of gallons evacuated: 14

Name of Certified Analytical Laboratory if Other Than Energy Labs: NWAL GEL

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☒	☐	250 ml	☐	☒	No Preserv.	☐	☒
Gross Alpha	☒	☐	1,000 ml	☒	☐	HNO3	☒	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 121.61 Sample Time: 1040

See instruction

Comment

Arrived on site at 1412. Tanner and Garrin present to bail well. Baling began at 1413. Baled 5 Gallons into a bucket and took a set of parameters, bailed a total of 14 Gallons. Baled well dry. Water was mostly clear. Left site at 1437

Arrived on site at 1035, Tanner present to collect samples. Depth to water was 115.05

Samples bailed at 1040 Left site at 1048

MW-37 11-03-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarterly Ground Water 2016

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_11092016

Date and Time for Purging: 11/9/2016 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-35

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm Well Depth(0.01ft): 121.60

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

Weather Cond.: Sunny Ext'l Amb. Temp. °C (prior sampling event): 15°

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

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

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

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

Volume of Water Purged: 17.36 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 66.80

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☑	☐	3x40 ml	☐	☑	HCL	☑	☐
Nutrients	☑	☐	100 ml	☐	☑	H2SO4	☑	☐
Heavy Metals	☑	☐	250 ml	☑	☐	HNO3	☑	☐
All Other Non Radiologics	☑	☐	250 ml	☐	☑	No Preserv.	☐	☑
Gross Alpha	☑	☐	1,000 ml	☑	☐	HNO3	☑	☐
Other (specify)	☑	☐	Sample volume	☐	☑		☐	☒
General Inorganics								

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

Final Depth: 112.10

Sample Time: 1200

See instruction

Comment

Duplicate of MW-36

MW-65 11-09-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Ground Water 2016

Location (well name): MW-70

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-70_11162016

Date and Time for Purging: 11/16/2016 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-22

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 112.00

Depth to Water Before Purging: 71.61

Casing Volume (V) 4" Well: 26.37 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 9°

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

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

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

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

Volume of Water Purged: 54.25 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .1217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 243.08

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☑	☐	3x40 ml	☐	☑	HCL	☑	☐
Nutrients	☑	☐	100 ml	☐	☑	H2SO4	☑	☐
Heavy Metals	☑	☐	250 ml	☑	☐	HNO3	☑	☐
All Other Non Radiologics	☑	☐	250 ml	☐	☑	No Preserv.	☐	☑
Gross Alpha	☑	☐	1,000 ml	☑	☐	HNO3	☑	☐
Other (specify)	☑	☐	Sample volume	☐	☑		☐	☑
General Inorganics								

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

Final Depth: 84.82 Sample Time: 1225

See instruction

Comment

Duplicate of MW-17

MW-70 11-16-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2016

Location (well name): MW-70

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-70_12132016

Date and Time for Purging: 12/13/2016 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: Quarterly GW

Prev. Well Sampled in Sampling Event: N/A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 112.00

Depth to Water Before Purging: 71.73

Casing Volume (V) 4" Well: 26.29 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

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

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

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

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

Volume of Water Purged: 54.25 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 242.36

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

If well evacuated to dryness, number of gallons evacuated: 0

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

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

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

Final Depth: 78.75

Sample Time: 1110

See instruction

Comment

Duplicate of MW-17

MW-70 12-13-2016 Do not touch this cell (SheetName)

Tab C

Field Data Worksheets Accelerated Monitoring

Tab C1

Field Data Worksheets Accelerated Monitoring

October 2016

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

See instruction

Description of Sampling Event: October Ground Water 2016

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_10052016

Date and Time for Purging: 10/5/2016 and Sampling (if different): N/A

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

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

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

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

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

Depth to Water Before Purging: 85.67 Casing Volume (V) 4" Well: 28.94 (.653h)
3" Well: 0 (.367h)

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

Time	1157	Gal. Purged	57.93		
Conductance	2792	pH	7.37		
Temp. °C	17.50				
Redox Potential Eh (mV)	484				
Turbidity (NTU)	2.9				

Time	1158	Gal. Purged	56.5 58.15		
Conductance	2772	pH	7.37		
Temp. °C	17.45				
Redox Potential Eh (mV)	483				
Turbidity (NTU)	>0		3.0		

Time	1159	Gal. Purged	58.37		
Conductance	2780	pH	7.36		
Temp. °C	17.29				
Redox Potential Eh (mV)	479				
Turbidity (NTU)	3.0				

Time	1200	Gal. Purged	58.59		
Conductance	2790	pH	7.35		
Temp. °C	17.27				
Redox Potential Eh (mV)	478				
Turbidity (NTU)	3.1				

Volume of Water Purged: 58.59 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 266.79

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

If well evacuated to dryness, number of gallons evacuated: 0

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

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

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

Final Depth: 87.02 Sample Time: 1200

See instruction

Comment

Arrived on site at 0726. Tanner and Garrin present for purge and sampling event. Purge began at 0730. Purged well for a total of 270 minutes. Purge ended and samples collected at 1200. water was clear
Left site at 1203

MW-11 10-05-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: October Ground Water 2016

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-14_10052016

Date and Time for Purging: 10/5/2016 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 µMHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging: 102.65

Casing Volume (V) 4" Well: 17.01 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1427	Gal. Purged	34.06
Conductance	3312	pH	6.75
Temp. °C	~~23.47~~ 16.47		
Redox Potential Eh (mV)	506		
Turbidity (NTU)	9.0		

Time	1428	Gal. Purged	34.28
Conductance	3387	pH	6.75
Temp. °C	~~23.48~~ 16.45		
Redox Potential Eh (mV)	508		
Turbidity (NTU)	9.1		

Time	1429	Gal. Purged	34.50
Conductance	3400	pH	6.70
Temp. °C	16.43		
Redox Potential Eh (mV)	510		
Turbidity (NTU)	9.2		

Time	1430	Gal. Purged	34.72
Conductance	3487	pH	6.69
Temp. °C	16.40		
Redox Potential Eh (mV)	511		
Turbidity (NTU)	9.2		

Volume of Water Purged [34.72] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [156.78]

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

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

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

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

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

Final Depth [103.82] Sample Time [1430]

See instruction

Comment

Arrived on site at 1145. Tanner and Garrin present for purge. Purge began at 1150. Purged well for a total of 160 minutes. Purge ended at 1430. Water was clear Left site at 1433

MW-14 10-05-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: October Ground Water 2016

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_10042016

Date and Time for Purging: 10/4/2016 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: 100 µMHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 77.14

Casing Volume (V) 4" Well: 24.72 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1212	Gal. Purged	51.42
Conductance	3206	pH	6.73
Temp. °C	14.97		
Redox Potential Eh (mV)	541		
Turbidity (NTU)	35		

Time	1213	Gal. Purged	51.64
Conductance	3215	pH	6.70
Temp. °C	14.95		
Redox Potential Eh (mV)	541		
Turbidity (NTU)	33		

Time	1214	Gal. Purged	51.86
Conductance	3213	pH	6.67
Temp. °C	14.93		
Redox Potential Eh (mV)	541		
Turbidity (NTU)	33		

Time	1215	Gal. Purged	52.08 / 52.08
Conductance	3204	pH	6.66
Temp. °C	14.95		
Redox Potential Eh (mV)	541		
Turbidity (NTU)	33		

Volume of Water Purged [52.08] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [227.85]

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

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

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

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

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

Final Depth [79.11] Sample Time [1215]

See instruction

Comment

Arrived on site at 0811. Tanner and Garrin present for purge and sampling event
Purge began at 0815. Purged well for a total of 240 minutes.
Purge ended and samples were collected at 1215. water was mostly clear
Left site at 1220

MW-25 10-04-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: October Ground Water 2016

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_10062016

Date and Time for Purging: 10/6/2016 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 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 64.13

Casing Volume (V) 4" Well: 37.35 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

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

Time	0744	Gal. Purged	0
Conductance	3531	pH	6.68
Temp. °C	13.60		
Redox Potential Eh (mV)	526		
Turbidity (NTU)	07		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 9.33

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

If well evacuated to dryness, number of gallons evacuated: 0

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

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

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

Final Depth: 88.46 Sample Time: 0745

See instruction

Comment

Arrived on site at 0740 Tanner and Garrin present to collect samples.
Samples collected at 0745 water was clear
Left site at 0749

MW-26 10-06-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: October Ground Water 2016

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_10052016

Date and Time for Purging: 10/5/2016 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 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 74.97

Casing Volume (V) 4" Well: 5: 22.87 (.653h) 22.87

3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1047	Gal. Purged	46.00
Conductance	2129	pH	6.95
Temp. °C	14.90		
Redox Potential Eh (mV)	522		
Turbidity (NTU)	7.0		

Time	1048	Gal. Purged	46.22
Conductance	2111	pH	6.90
Temp. °C	14.89		
Redox Potential Eh (mV)	523		
Turbidity (NTU)	6.9		

Time	1049	Gal. Purged	46.43
Conductance	2104	pH	6.88
Temp. °C	14.89		
Redox Potential Eh (mV)	524		
Turbidity (NTU)	7.0		

Time	1050	Gal. Purged	46.65
Conductance	2095	pH	6.87
Temp. °C	14.87		
Redox Potential Eh (mV)	524		
Turbidity (NTU)	7.1		

Volume of Water Purged: 46.65 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 210.82

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								
Fluoride								

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

Final Depth: 76.90 Sample Time: 1050

See instruction

Comment

Arrived on site at 0710, Tanner and Garrin present for purge and sampling event. Purge began at 0715, Purged well for a total of 215 minutes. Purge ended and samples collected at 1050, water was clear
Left site at 1055

MW-30 10-05-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: October Ground Water 2016

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_10042016

Date and Time for Purging: 10/4/2016 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 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 68.15

Casing Volume (V) 4" Well: 40.38 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1412	Gal. Purged	80.71
Conductance	2430	pH	7.05
Temp. °C	15.20		
Redox Potential Eh (mV)	498		
Turbidity (NTU)	8.4		

Time	1413	Gal. Purged	80.93
Conductance	2420	pH	7.01
Temp. °C	15.18		
Redox Potential Eh (mV)	498		
Turbidity (NTU)	8.5		

Time	1414	Gal. Purged	81.15
Conductance	2423	pH	7.01
Temp. °C	15.14		
Redox Potential Eh (mV)	497		
Turbidity (NTU)	8.5		

Time	1415	Gal. Purged	81.37
Conductance	2420	pH	6.99
Temp. °C	15.12		
Redox Potential Eh (mV)	497		
Turbidity (NTU)	8.7		

Volume of Water Purged: 81.37 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 372.24

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☑	☐	100 ml	☐	☒	H2SO4	☑	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☑
TDS								
Sulfate								
Chloride								

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

Final Depth: 70.08

Sample Time: 1415

See instruction

Comment

Arrived on site at 0756. Tanner and Garrin present for purge and sampling event. Purge began at 0800. Purged well for a total of 375 minutes. Purge ended and samples were collected at 1415. Water was clear
Left site at 1421

MW-31 10-04-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: October Ground Water 2016

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_10042016

Date and Time for Purging: 10/4/2016 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 µMHOS/ cm Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.00 Casing Volume (V) 4" Well: 8.16 (.653h)
3" Well: 0 (.367h)

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

Time	1347	Gal. Purged	16.70
Conductance	4276	pH	6.87
Temp. °C	15.27		
Redox Potential Eh (mV)	531		
Turbidity (NTU)	0		

Time	1348	Gal. Purged	16.92
Conductance	4267	pH	6.79
Temp. °C	15.30		
Redox Potential Eh (mV)	533		
Turbidity (NTU)	0		

Time	1349	Gal. Purged	17.14
Conductance	4237	pH	6.78
Temp. °C	15.15		
Redox Potential Eh (mV)	536		
Turbidity (NTU)	0		

Time	1350	Gal. Purged	17.36
Conductance	4212	pH	6.73
Temp. °C	15.17		
Redox Potential Eh (mV)	537		
Turbidity (NTU)	0		

Volume of Water Purged [17.36] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [75.23]

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

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

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

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

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

Final Depth [112.93] Sample Time [1350]

See instruction

Comment

Arrived on site at 1226. Tanner and Garrin present for purge and sampling event. Purge began at 1230. Purged well for a total of 80 minutes. Purge ended and samples were collected at 1350. Water was clear. Left site at 1400.

[MW-35 10-04-2016] Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: October Ground Water 2016 2016

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_10042016

Date and Time for Purging: 10/4/2016 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 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.00

Casing Volume (V) 4" Well: 8.16 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

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

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

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

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

Volume of Water Purged: 17.36 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 75.23

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

If well evacuated to dryness, number of gallons evacuated: 0

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

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

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

Final Depth: 112.93 Sample Time: 1350

See instruction

Comment

Duplicate of MW-35

MW-65 10-04-2016 Do not touch this cell (SheetName)

Tab C2

Field Data Worksheets Accelerated Monitoring

December 2016

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

See instruction

Description of Sampling Event: December Ground Water 2016

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_12062016

Date and Time for Purging: 12/6/2016 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-30

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 85.95

Casing Volume (V) 4" Well: 28.76 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1132	Gal. Purged	57.93
Conductance	2973	pH	6.61
Temp. °C	14.09		
Redox Potential Eh (mV)	469		
Turbidity (NTU)	0		

Time	1133	Gal. Purged	58.15
Conductance	2964	pH	6.66
Temp. °C	14.08		
Redox Potential Eh (mV)	466		
Turbidity (NTU)	0		

Time	1134	Gal. Purged	58.37
Conductance	2960	pH	6.68
Temp. °C	14.10		
Redox Potential Eh (mV)	464		
Turbidity (NTU)	0		

Time	1135	Gal. Purged	58.59
Conductance	2972	pH	6.71
Temp. °C	14.10		
Redox Potential Eh (mV)	462		
Turbidity (NTU)	0		

Volume of Water Purged: 58.59 gallon(s)

Pumping Rate Calculation

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

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

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

If well evacuated to dryness, number of gallons evacuated: 0

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

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

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

Final Depth: 85.99 Sample Time: 1135

See instruction

Comment

Arrived on site at 0701. Tanner present for purge and sampling event.
Purge began at 0705. Purged well for a total of 270 minutes
Purge ended and sample was collected at 1135.
water was clear. Left site at 1140

MW-11 12-06-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: December Ground Water 2016

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-14-12062016

Date and Time for Purging: 12/6/2016 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 µMHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging: 102.45

Casing Volume (V) 4" Well: 17.14 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1437	Gal. Purged	34.06
Conductance	3898	pH	6.40
Temp. °C	14.29		
Redox Potential Eh (mV)	363		
Turbidity (NTU)	0		

Time	1438	Gal. Purged	34.28
Conductance	3896	pH	6.40
Temp. °C	14.30		
Redox Potential Eh (mV)	362		
Turbidity (NTU)	0		

Time	1439	Gal. Purged	34.50
Conductance	3908	pH	6.40
Temp. °C	14.31		
Redox Potential Eh (mV)	363		
Turbidity (NTU)	0		

Time	1440	Gal. Purged	34.72
Conductance	3900	pH	6.38
Temp. °C	14.29		
Redox Potential Eh (mV)	362		
Turbidity (NTU)	0		

Volume of Water Purged: 34.72 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 1217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 157.98

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

If well evacuated to dryness, number of gallons evacuated: 0

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

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

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

Final Depth: 103.61 Sample Time: 1440

See instruction

Comment

Arrived on site at 1156. Tanner present for purge. Purge began at 1200. Purged well for a total of 160 minutes. Purge ended at 1440. Water was clear. Left site at 1443

MW-14 12-06-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: December Ground Water 2016

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_12052016

Date and Time for Purging: 12/5/2016 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 µMHOS/ cm

Well Depth(0.01ft): 110.00, 115.00 115.00

Depth to Water Before Purging: 77.25

Casing Volume (V) 4" Well: ~~24.38~~ (.653h) 24.65
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1147	Gal. Purged	51.42
Conductance	3198	pH	6.75
Temp. °C	14.99		
Redox Potential Eh (mV)	530		
Turbidity (NTU)	16		

Time	1148	Gal. Purged	51.64
Conductance	3188	pH	6.73
Temp. °C	14.97		
Redox Potential Eh (mV)	529		
Turbidity (NTU)	17		

Time	1149	Gal. Purged	51.86
Conductance	3191	pH	6.71
Temp. °C	14.95		
Redox Potential Eh (mV)	529		
Turbidity (NTU)	18		

Time	1150	Gal. Purged	52.08
Conductance	3196	pH	6.70
Temp. °C	14.96		
Redox Potential Eh (mV)	528		
Turbidity (NTU)	18		

Volume of Water Purged: 52.08 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 227.19

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

If well evacuated to dryness, number of gallons evacuated: 0

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

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

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

Final Depth: 79.20 Sample Time: 1150

See instruction

Comment

Arrived on site at 0746. Tanner and Garrin present for purge and sampling event. Purge began at 0750 Purged well for a total of 240 minutes. Purge ended and sample collected at 1150. water was clear
Left site at 1153

MW-25 12-05-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: Decomber Ground Water 2016

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday

Field Sample ID: MW-26_12062016

Date and Time for Purging: 12/6/2016 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 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 64.17

Casing Volume (V) 4" Well: 37.32 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1359	Gal. Purged	0
Conductance	3446	pH	~~6.11~~ 6.25 6.25
Temp. °C	14.40		
Redox Potential Eh (mV)	486		
Turbidity (NTU)	5.0		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 6.8

Time to evacuate two casing volumes (2V)
T = 2V/Q = 10.97

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☒	☐	3x40 ml	☐	☑	HCL	☐	☐
Nutrients	☒	☐	100 ml	☐	☑	H2SO4	☑	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☐	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☑
Chloride								

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

Final Depth: 89.32 Sample Time: 1400

See instruction

Comment

Arrived on site at 1356. Tanner present to collect samples.
Samples collected at 1400. water was clear
Left site at 1406

MW-26 12-06-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: December Grand Water 2016

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: MW-30_12062016

Date and Time for Purging: 12/6/2016 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 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 74.88

Casing Volume (V) 4" Well: 22.93 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1032	Gal. Purged	46.00
Conductance	2075	pH	6.23
Temp. °C	14.43		
Redox Potential Eh (mV)	493		
Turbidity (NTU)	0		

Time	1033	Gal. Purged	46.22
Conductance	2073	pH	6.25
Temp. °C	14.45		
Redox Potential Eh (mV)	489		
Turbidity (NTU)	0		

Time	1034	Gal. Purged	46.43
Conductance	2075	pH	6.30
Temp. °C	14.42		
Redox Potential Eh (mV)	489		
Turbidity (NTU)	0		

Time	1035	Gal. Purged	46.65
Conductance	2075	pH	6.34
Temp. °C	14.39		
Redox Potential Eh (mV)	487		
Turbidity (NTU)	0		

Volume of Water Purged: 4665 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 211.36

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								
Fluoride								

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

Final Depth: 77.45 Sample Time: 1035

See instruction

Comment

Arrived on site at 0656. Tanner present for purge and sampling event. Purge began at 0700. Purged well for a total of 215 minutes Purge ended and samples were collected at 1035. Water was clear. Left site at 1045

MW-30 12-06-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: December Ground Water 2016

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_12052016

Date and Time for Purging: 12/5/2016 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 µMHOS/ cm Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 68.12 Casing Volume (V) 4" Well: 40.40 (.653h) 3" Well: 0 (.367h)

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

Time	1332	Gal. Purged	80.72
Conductance	2412	pH	6.80
Temp. °C	14.70		
Redox Potential Eh (mV)	464		
Turbidity (NTU)	10.0		

Time	1333	Gal. Purged	80.94
Conductance	2413	pH	6.80
Temp. °C	14.61		
Redox Potential Eh (mV)	463		
Turbidity (NTU)	10.1		

Time	1344	Gal. Purged	81.15
Conductance	2413	pH	6.80
Temp. °C	14.70		
Redox Potential Eh (mV)	462		
Turbidity (NTU)	10.5		

Time	1345	Gal. Purged	81.37
Conductance	2408	pH	6.79
Temp. °C	14.62		
Redox Potential Eh (mV)	462		
Turbidity (NTU)	10.7		10.7

Volume of Water Purged: 81.37 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 372.42

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
Heavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☒	☐	Sample volume	☐	☒		☐	☒
TDS								
Sulfate								
Chloride								

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

Final Depth: 71.45 Sample Time: 1345

See instruction

Comment

Arrived on site at 0725. Tanner and Garrin present for purge and sampling event. Purge began at 0730. Purged well for a total of 375 minutes. Purge ended at and samples collected at 1345. Water was clear Left site at 1350

MW-31 12-05-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: December Ground Water 2016

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_12052016

Date and Time for Purging: 12/5/2016 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: ~~Θ~~ Monthly GW

Prev. Well Sampled in Sampling Event: MW-25

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.07

Casing Volume (V) 4" Well: 8.11 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1357	Gal. Purged	15.62
Conductance	4146	pH	6.57
Temp. °C	14.21		
Redox Potential Eh (mV)	464		
Turbidity (NTU)	3.2		

Time	1358	Gal. Purged	15.84
Conductance	4136	pH	6.53
Temp. °C	14.20		
Redox Potential Eh (mV)	472		
Turbidity (NTU)	3.3		

Time	1359	Gal. Purged	16.05
Conductance	4139	pH	6.51
Temp. °C	14.15		
Redox Potential Eh (mV)	474		
Turbidity (NTU)	3.3		

Time	1400	Gal. Purged	16.27
Conductance	4143	pH	6.50
Temp. °C	14.17		
Redox Potential Eh (mV)	475		
Turbidity (NTU)	3.3		

Volume of Water Purged: 16.27 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 74.80

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

If well evacuated to dryness, number of gallons evacuated: 0

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

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

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

Final Depth: 112.87 Sample Time: 1400

See instruction

Comment

Arrived on site at 1241. Tanner and Garrin present for purge and sampling event. Purge began at 1245. Purged well for a total of 75 minutes. Purge ended and samples were collected at 1400. Water was clear Left site at 1406

MW-35 12-05-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: December Ground Water 2016

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_12062016

Date and Time for Purging: 12/6/2016 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 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 74.88

Casing Volume (V) 4" Well: 22.93 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

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

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

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

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

Volume of Water Purged: 46.65 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 1217

Time to evacuate two casing volumes (2V)
T = 2V/Q = 211.36

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

If well evacuated to dryness, number of gallons evacuated: 0

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
VOCs	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
Nutrients	☑	☐	100 ml	☐	☑	H2SO4	☑	☐
Heavy Metals	☑	☐	250 ml	☑	☐	HNO3	☑	☐
All Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
Gross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
Other (specify)	☑	☐	Sample volume	☐	☑		☐	☑
Chloride								
Fluoride								

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

Final Depth: 77.45 Sample Time: 1035

See instruction

Comment

Duplicate of MW-30

MW-65 12-06-2016 Do not touch this cell (SheetName)

Tab D

Quarterly Depth to Water

NAME: Garrin Palmer

12/21/2016

Time	Well	Depth to Water (ft)
916	MW-1	64.46
1359	MW-2	109.95
NA	MW-3	Abandoned
725	MW-3A	84.62
1417	MW-5	106.22
1447	MW-11	86.05
1413	MW-12	108.35
1432	MW-14	103.02
1435	MW-15	106.18
731	MW-17	71.95
855	MW-18	72.15
841	MW-19	62.73
1146	MW-20	89.19
1056	MW-22	66.80
1411	MW-23	114.58
1349	MW-24	112.86
1445	MW-25	77.80
1217	MW-26	64.19
1502	MW-27	54.99
1351	MW-28	75.34
1356	MW-29	100.70
1459	MW-30	75.44
1450	MW-31	68.60
1453	MW-32	78.15
1417	MW-33	DRY
1440	MW-34	107.85
1419	MW-35	112.35
1416	MW-36	110.61
1437	MW-37	107.84

Time	Well	Depth to Water (ft)
1228	MW-4	81.68
1231	TW4-1	85.43
1225	TW4-2	84.32
700	TW4-3	58.00
1247	TW4-4	74.28
656	TW4-5	65.93
707	TW4-6	73.40
705	TW4-7	76.98
703	TW4-8	81.50
658	TW4-9	63.71
654	TW4-10	63.30
1221	TW4-11	93.01
957	TW4-12	46.96
1002	TW4-13	53.00
1006	TW4-14	79.35
1217	TW4-15	64.19
1455	TW4-16	64.31
1453	TW4-17	78.15
1507	TW4-18	66.94
1236	TW4-19	63.98
1213	TW4-20	64.60
1140	TW4-21	68.90
1205	TW4-22	63.89
1009	TW4-23	70.51
1201	TW4-24	64.50
1143	TW4-25	67.18
1011	TW4-26	67.72
736	TW4-27	79.50
959	TW4-28	40.87
744	TW4-29	74.55
739	TW4-30	75.64
738	TW4-31	78.77
1000	TW4-32	52.09
734	TW4-33	73.34
743	TW4-34	72.60
741	TW4-35	74.25
1004	TW4-36	56.55
1209	TW4-37	63.50
1014	TW4-38	53.40
1254	TW4-39	63.17

Time	Well	Depth to Water (ft)
844	PIEZ-1	65.14
839	PIEZ-2	40.45
836	PIEZ-3	50.31
710	PIEZ-4	60.34
713	PIEZ-5	60.00
1506	TWN-1	63.54
1147	TWN-2	33.77
832	TWN-3	40.30
834	TWN-4	56.45
NA	TWN-5	Abandoned
853	TWN-6	78.91
918	TWN-7	84.80
NA	TWN-8	Abandoned
NA	TWN-9	Abandoned
NA	TWN-10	Abandoned
NA	TWN-11	Abandoned
NA	TWN-12	Abandoned
NA	TWN-13	Abandoned
850	TWN-14	61.10
NA	TWN-15	Abandoned
848	TWN-16	47.70
NA	TWN-17	Abandoned
830	TWN-18	60.85
1153	TWN-19	53.29

Time	Well	Depth to Water (ft)
NA	DR-1	Abandoned
NA	DR-2	Abandoned
1131	DR-5	83.20
1134	DR-6	94.20
1424	DR-7	92.24
1141	DR-8	51.30
1139	DR-9	86.65
1136	DR-10	78.51
719	DR-11	98.25
722	DR-12	91.17
728	DR-13	69.99
1123	DR-14	76.40
1126	DR-15	92.98
NA	DR-16	Abandoned
1120	DR-17	64.98
NA	DR-18	Abandoned
1109	DR-19	63.05
1107	DR-20	55.87
1101	DR-21	101.10
1112	DR-22	DRY
1103	DR-23	70.60
1116	DR-24	44.25
NA	DR-25	Abandoned

Tab E

Laboratory Analytical Reports – Quarterly Sampling

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-001
Client Sample ID: MW-01_11082016
Collection Date: 11/8/2016 1020h
Received Date: 11/11/2016 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/14/2016 1200h	11/18/2016 1752h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/14/2016 1200h	11/18/2016 1807h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/14/2016 1200h	11/18/2016 1752h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/14/2016 1200h	11/18/2016 1114h	E200.7	10.0	**182**	2
Chromium	mg/L	11/14/2016 1200h	11/18/2016 1752h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/14/2016 1200h	11/18/2016 1752h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/14/2016 1200h	11/28/2016 1645h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/14/2016 1200h	11/18/2016 1807h	E200.8	0.0300	**0.214**	
Lead	mg/L	11/14/2016 1200h	11/18/2016 1807h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/14/2016 1200h	11/18/2016 1114h	E200.7	10.0	**65.3**	
Manganese	mg/L	11/14/2016 1200h	11/28/2016 1645h	E200.8	0.0100	**0.0518**	
Mercury	mg/L	11/17/2016 1530h	11/18/2016 1019h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/14/2016 1200h	11/18/2016 1752h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/14/2016 1200h	11/18/2016 1752h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/14/2016 1200h	11/18/2016 1410h	E200.7	1.00	**6.94**	
Selenium	mg/L	11/14/2016 1200h	11/18/2016 1752h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/14/2016 1200h	11/18/2016 1752h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/14/2016 1200h	11/18/2016 1114h	E200.7	10.0	**158**	2
Thallium	mg/L	11/14/2016 1200h	11/18/2016 1807h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/14/2016 1200h	11/29/2016 1316h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/14/2016 1200h	11/18/2016 1848h	E200.8	0.000300	**0.000443**	
Vanadium	mg/L	11/14/2016 1200h	11/18/2016 1410h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/14/2016 1200h	11/28/2016 1645h	E200.8	0.0100	< 0.0100	

² - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.
The sample was filtered in the field prior to analysis.

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-001
Client Sample ID: MW-01_11082016
Collection Date: 11/8/2016 1020h
Received Date: 11/11/2016 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/17/2016 1350h	11/17/2016 1533h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	**238**	
Carbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/21/2016 1722h	E300.0	10.0	**23.7**	
Fluoride	mg/L		11/21/2016 1558h	E300.0	0.100	**0.293**	
Ion Balance	%		11/22/2016 1443h	Calc.	-100	**2.50**	
Nitrate/Nitrite (as N)	mg/L		11/17/2016 1742h	E353.2	0.100	< 0.100	1
Sulfate	mg/L		11/21/2016 1310h	E300.0	100	**720**	
Total Anions, Measured	meq/L		11/22/2016 1443h	Calc.		**20.4**	
Total Cations, Measured	meq/L		11/22/2016 1443h	Calc.		**21.5**	
Total Dissolved Solids	mg/L		11/11/2016 1620h	SM2540C	20.0	**1,400**	
Total Dissolved Solids Ratio, Measured/Calculated			11/22/2016 1443h	Calc.		**1.08**	
Total Dissolved Solids, Calculated	mg/L		11/22/2016 1443h	Calc.		**1,300**	

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

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American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-001A
Client Sample ID: MW-01_11082016
Collection Date: 11/8/2016 1020h
Received Date: 11/11/2016 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 11/14/2016 1149h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	**1.72**	
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	51.8	50.00	104	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	52.5	50.00	105	77-129	

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

Certificate of Analysis

Report Date: December 12, 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_11082016	Project:	DNMI00100
Sample ID:	410417001	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	08-NOV-16 10:20		
Receive Date:	11-NOV-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	U	1.00	+/-0.184	0.654	1.00	pCi/L			AXM6	12/09/16	1408	1619896	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"			85.7	(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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-002
Client Sample ID: MW-02_11082016
Collection Date: 11/8/2016 1135h
Received Date: 11/11/2016 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/14/2016 1200h	11/18/2016 1717h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/14/2016 1200h	11/18/2016 1810h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/14/2016 1200h	11/18/2016 1717h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/14/2016 1200h	11/18/2016 1145h	E200.7	20.0	**315**	
Chromium	mg/L	11/14/2016 1200h	11/18/2016 1717h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/14/2016 1200h	11/18/2016 1717h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/14/2016 1200h	11/28/2016 1655h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/14/2016 1200h	11/18/2016 1810h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/14/2016 1200h	11/18/2016 1810h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/14/2016 1200h	11/18/2016 1145h	E200.7	20.0	**90.6**	
Manganese	mg/L	11/14/2016 1200h	11/18/2016 1717h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	11/17/2016 1530h	11/18/2016 1024h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/14/2016 1200h	11/18/2016 1717h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/14/2016 1200h	11/18/2016 1717h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/14/2016 1200h	11/18/2016 1416h	E200.7	1.00	**10.6**	
Selenium	mg/L	11/14/2016 1200h	11/18/2016 1717h	E200.8	0.00500	**0.0121**	
Silver	mg/L	11/14/2016 1200h	11/18/2016 1717h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/14/2016 1200h	11/18/2016 1145h	E200.7	20.0	**476**	
Thallium	mg/L	11/14/2016 1200h	11/18/2016 1810h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/14/2016 1200h	11/29/2016 1325h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/14/2016 1200h	11/18/2016 1851h	E200.8	0.000300	**0.0108**	
Vanadium	mg/L	11/14/2016 1200h	11/18/2016 1416h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/14/2016 1200h	11/18/2016 1717h	E200.8	0.0100	**0.0129**	

The sample was filtered in the field prior to analysis.

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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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: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-002
Client Sample ID: MW-02_11082016
Collection Date: 11/8/2016 1135h
Received Date: 11/11/2016 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/17/2016 1220h	11/17/2016 1521h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	**297**	
Carbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/21/2016 1615h	E300.0	1.00	**6.98**	
Fluoride	mg/L		11/21/2016 1615h	E300.0	0.100	**0.246**	
Ion Balance	%		11/22/2016 1443h	Calc.	-100	**2.78**	
Nitrate/Nitrite (as N)	mg/L		11/17/2016 1746h	E353.2	0.100	< 0.100	
Sulfate	mg/L		11/21/2016 1327h	E300.0	1,000	**1,710**	
Total Anions, Measured	meq/L		11/22/2016 1443h	Calc.		**41.8**	
Total Cations, Measured	meq/L		11/22/2016 1443h	Calc.		**44.1**	
Total Dissolved Solids	mg/L		11/11/2016 1620h	SM2540C	20.0	**3,040**	
Total Dissolved Solids Ratio, Measured/Calculated			11/22/2016 1443h	Calc.		**1.09**	
Total Dissolved Solids, Calculated	mg/L		11/22/2016 1443h	Calc.		**2,790**	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-002A
Client Sample ID: MW-02_11082016
Collection Date: 11/8/2016 1135h
Received Date: 11/11/2016 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 11/14/2016 1209h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.2	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.0	50.00	100	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.4	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	52.9	50.00	106	77-129	

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

Certificate of Analysis

Report Date: December 12, 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_11082016	Project:	DNMI00100
Sample ID:	410417002	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	08-NOV-16 11:35		
Receive Date:	11-NOV-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	U	1.00	+/-0.261	0.652	1.00	pCi/L			AXM6	12/09/16	1408	1619896	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			103	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Salt Lake City, UT 84119

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-003
Client Sample ID: MW-03_11082016
Collection Date: 11/8/2016 850h
Received Date: 11/11/2016 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/14/2016 1200h	11/18/2016 1720h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/14/2016 1200h	11/18/2016 1814h	E200.8	0.000500	**0.00147**	
Cadmium	mg/L	11/14/2016 1200h	11/18/2016 1720h	E200.8	0.000500	**0.00979**	
Calcium	mg/L	11/14/2016 1200h	11/18/2016 1147h	E200.7	50.0	**435**	
Chromium	mg/L	11/14/2016 1200h	11/18/2016 1720h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/14/2016 1200h	11/18/2016 1720h	E200.8	0.0100	**0.0140**	
Copper	mg/L	11/14/2016 1200h	11/28/2016 1658h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/14/2016 1200h	11/18/2016 1814h	E200.8	0.0300	**0.104**	
Lead	mg/L	11/14/2016 1200h	11/18/2016 1814h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/14/2016 1200h	11/18/2016 1147h	E200.7	50.0	**257**	
Manganese	mg/L	11/14/2016 1200h	11/28/2016 1729h	E200.8	0.0100	**3.26**	
Mercury	mg/L	11/17/2016 1530h	11/18/2016 1026h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/14/2016 1200h	11/18/2016 1720h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/14/2016 1200h	11/18/2016 1720h	E200.8	0.0200	**0.100**	
Potassium	mg/L	11/14/2016 1200h	11/18/2016 1419h	E200.7	1.00	**26.9**	
Selenium	mg/L	11/14/2016 1200h	11/18/2016 1720h	E200.8	0.00500	**0.0563**	
Silver	mg/L	11/14/2016 1200h	11/18/2016 1720h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/14/2016 1200h	11/18/2016 1147h	E200.7	50.0	**704**	
Thallium	mg/L	11/14/2016 1200h	11/18/2016 1814h	E200.8	0.000500	**0.00155**	
Tin	mg/L	11/14/2016 1200h	11/29/2016 1328h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/14/2016 1200h	11/18/2016 1854h	E200.8	0.000300	**0.0122**	
Vanadium	mg/L	11/14/2016 1200h	11/18/2016 1419h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/14/2016 1200h	11/18/2016 1720h	E200.8	0.0100	**1.31**	

The sample was filtered in the field prior to analysis.

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ANALYTICAL LABORATORIES

3440 South 700 West
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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: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-003
Client Sample ID: MW-03_11082016
Collection Date: 11/8/2016 850h
Received Date: 11/11/2016 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/17/2016 1220h	11/17/2016 1527h	E350.1	0.0500	**0.0514**	
Bicarbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	**163**	
Carbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/21/2016 1739h	E300.0	10.0	**69.8**	
Fluoride	mg/L		11/21/2016 1632h	E300.0	0.100	**1.37**	
Ion Balance	%		11/22/2016 1443h	Calc.	-100	**3.36**	
Nitrate/Nitrite (as N)	mg/L		11/17/2016 1747h	E353.2	0.100	**0.399**	
Sulfate	mg/L		11/21/2016 2135h	E300.0	1,000	**3,080**	
Total Anions, Measured	meq/L		11/22/2016 1443h	Calc.		**69.3**	
Total Cations, Measured	meq/L		11/22/2016 1443h	Calc.		**74.1**	
Total Dissolved Solids	mg/L		11/11/2016 1620h	SM2540C	20.0	**5,140**	
Total Dissolved Solids Ratio, Measured/Calculated			11/22/2016 1443h	Calc.		**1.10**	
Total Dissolved Solids, Calculated	mg/L		11/22/2016 1443h	Calc.		**4,670**	

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Laboratory Director

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-003A
Client Sample ID: MW-03_11082016
Collection Date: 11/8/2016 850h
Received Date: 11/11/2016 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 11/14/2016 1229h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	**12.9**	
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	51.2	50.00	102	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.7	50.00	95.4	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.2	50.00	98.3	80-124	
Surr: Toluene-d8	2037-26-5	48.1	50.00	96.2	77-129	

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

Certificate of Analysis

Report Date: December 12, 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_11082016	Project:	DNMI00100
Sample ID:	410417003	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	08-NOV-16 08:50		
Receive Date:	11-NOV-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	U	1.00	+/-0.218	0.835	1.00	pCi/L			AXM6	12/09/16	1408	1619896	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"			84.2	(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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-004
Client Sample ID: MW-03A_11082016
Collection Date: 11/8/2016 805h
Received Date: 11/11/2016 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/14/2016 1200h	11/18/2016 1723h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/14/2016 1200h	11/18/2016 1817h	E200.8	0.000500	**0.00104**	
Cadmium	mg/L	11/14/2016 1200h	11/18/2016 1723h	E200.8	0.000500	**0.00220**	
Calcium	mg/L	11/14/2016 1200h	11/18/2016 1149h	E200.7	50.0	**438**	
Chromium	mg/L	11/14/2016 1200h	11/18/2016 1723h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/14/2016 1200h	11/18/2016 1723h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/14/2016 1200h	11/28/2016 1701h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/14/2016 1200h	11/18/2016 1817h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/14/2016 1200h	11/18/2016 1817h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/14/2016 1200h	11/18/2016 1149h	E200.7	50.0	**304**	
Manganese	mg/L	11/14/2016 1200h	11/18/2016 1723h	E200.8	0.0100	**0.0675**	
Mercury	mg/L	11/17/2016 1530h	11/18/2016 1032h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/14/2016 1200h	11/18/2016 1723h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/14/2016 1200h	11/18/2016 1723h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/14/2016 1200h	11/18/2016 1526h	E200.7	2.00	**27.8**	
Selenium	mg/L	11/14/2016 1200h	11/18/2016 1723h	E200.8	0.00500	**0.142**	
Silver	mg/L	11/14/2016 1200h	11/18/2016 1723h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/14/2016 1200h	11/18/2016 1149h	E200.7	50.0	**669**	
Thallium	mg/L	11/14/2016 1200h	11/18/2016 1817h	E200.8	0.000500	**0.000667**	
Tin	mg/L	11/14/2016 1200h	11/29/2016 1331h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/14/2016 1200h	11/18/2016 1858h	E200.8	0.000300	**0.0161**	
Vanadium	mg/L	11/14/2016 1200h	11/18/2016 1421h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/14/2016 1200h	11/18/2016 1723h	E200.8	0.0100	**0.0572**	

The sample was filtered in the field prior to analysis.

American West ANALYTICAL LABORATORIES
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-004
Client Sample ID: MW-03A_11082016
Collection Date: 11/8/2016 805h
Received Date: 11/11/2016 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/17/2016 1220h	11/17/2016 1528h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	**243**	
Carbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/21/2016 1756h	E300.0	10.0	**67.4**	
Fluoride	mg/L		11/21/2016 1649h	E300.0	0.100	**1.35**	
Ion Balance	%		11/22/2016 1443h	Calc.	-100	**-1.10**	
Nitrate/Nitrite (as N)	mg/L		11/17/2016 1750h	E353.2	0.100	**1.30**	
Sulfate	mg/L		11/21/2016 1830h	E300.0	1,000	**3,440**	
Total Anions, Measured	meq/L		11/22/2016 1443h	Calc.		**78.4**	
Total Cations, Measured	meq/L		11/22/2016 1443h	Calc.		**76.7**	
Total Dissolved Solids	mg/L		11/11/2016 1620h	SM2540C	20.0	**5,630**	
Total Dissolved Solids Ratio, Measured/Calculated			11/22/2016 1443h	Calc.		**1.11**	
Total Dissolved Solids, Calculated	mg/L		11/22/2016 1443h	Calc.		**5,090**	

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e-mail: awal@awal-labs.com
web: www.awal-labs.com

Kyle F. Gross
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Jose Rocha
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American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-004A
Client Sample ID: MW-03A_11082016
Collection Date: 11/8/2016 805h
Received Date: 11/11/2016 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 11/14/2016 1348h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.2	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.5	50.00	95.0	80-152	
Surr: Dibromofluoromethane	1868-53-7	48.1	50.00	96.1	80-124	
Surr: Toluene-d8	2037-26-5	51.2	50.00	102	77-129	

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

Certificate of Analysis

Report Date: December 12, 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_11082016	Project:	DNMI00100
Sample ID:	410417004	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	08-NOV-16 08:05		
Receive Date:	11-NOV-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	U	1.00	+/-0.309	0.940	1.00	pCi/L			AXM6	12/09/16	1408	1619896	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"			61.8	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-005
Client Sample ID: MW-05_11092016
Collection Date: 11/9/2016 1100h
Received Date: 11/11/2016 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/14/2016 1200h	11/18/2016 1736h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/14/2016 1200h	11/18/2016 1820h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/14/2016 1200h	11/18/2016 1736h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/14/2016 1200h	11/18/2016 1151h	E200.7	20.0	**127**	
Chromium	mg/L	11/14/2016 1200h	11/18/2016 1736h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/14/2016 1200h	11/18/2016 1736h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/14/2016 1200h	11/28/2016 1704h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/14/2016 1200h	11/18/2016 1820h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/14/2016 1200h	11/18/2016 1820h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/14/2016 1200h	11/18/2016 1151h	E200.7	20.0	**36.4**	
Manganese	mg/L	11/14/2016 1200h	11/28/2016 1704h	E200.8	0.0100	**0.145**	
Mercury	mg/L	11/17/2016 1530h	11/18/2016 1034h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/14/2016 1200h	11/18/2016 1736h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/14/2016 1200h	11/18/2016 1736h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/14/2016 1200h	11/18/2016 1423h	E200.7	1.00	**7.47**	
Selenium	mg/L	11/14/2016 1200h	11/18/2016 1736h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/14/2016 1200h	11/18/2016 1736h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/14/2016 1200h	11/18/2016 1151h	E200.7	20.0	**433**	
Thallium	mg/L	11/14/2016 1200h	11/18/2016 1820h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/14/2016 1200h	11/29/2016 1334h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/14/2016 1200h	11/18/2016 1901h	E200.8	0.000300	**0.000661**	
Vanadium	mg/L	11/14/2016 1200h	11/18/2016 1423h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/14/2016 1200h	11/28/2016 1704h	E200.8	0.0100	< 0.0100	

The sample was filtered in the field prior to analysis.

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-005
Client Sample ID: MW-05_11092016
Collection Date: 11/9/2016 1100h
Received Date: 11/11/2016 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/17/2016 1220h	11/17/2016 1528h	E350.1	0.0500	**0.313**	
Bicarbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	**308**	
Carbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/21/2016 1813h	E300.0	10.0	**56.4**	
Fluoride	mg/L		11/21/2016 1706h	E300.0	0.100	**0.982**	
Ion Balance	%		11/22/2016 1443h	Calc.	-100	**-6.19**	
Nitrate/Nitrite (as N)	mg/L		11/17/2016 1752h	E353.2	0.100	**0.241**	
Sulfate	mg/L		11/21/2016 1417h	E300.0	100	**1,170**	
Total Anions, Measured	meq/L		11/22/2016 1443h	Calc.		**32.1**	
Total Cations, Measured	meq/L		11/22/2016 1443h	Calc.		**28.4**	
Total Dissolved Solids	mg/L		11/11/2016 1620h	SM2540C	20.0	**1,990**	
Total Dissolved Solids Ratio, Measured/Calculated			11/22/2016 1443h	Calc.		**0.988**	
Total Dissolved Solids, Calculated	mg/L		11/22/2016 1443h	Calc.		**2,020**	

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3440 South 700 West
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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-005A
Client Sample ID: MW-05_11092016
Collection Date: 11/9/2016 1100h
Received Date: 11/11/2016 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 11/14/2016 1407h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	48.9	50.00	97.9	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	46.7	50.00	93.5	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.1	50.00	90.2	80-124	
Surr: Toluene-d8	2037-26-5	49.1	50.00	98.3	77-129	

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

Certificate of Analysis

Report Date: December 12, 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_11092016	Project:	DNMI00100
Sample ID:	410417005	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	09-NOV-16 11:00		
Receive Date:	11-NOV-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	U	1.00	+/-0.169	0.608	1.00	pCi/L			AXM6	12/09/16	1408	1619896	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"			104	(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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-006
Client Sample ID: MW-11_11072016
Collection Date: 11/7/2016 1315h
Received Date: 11/11/2016 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/14/2016 1200h	11/18/2016 1739h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/14/2016 1200h	11/18/2016 1823h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/14/2016 1200h	11/18/2016 1739h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/14/2016 1200h	11/18/2016 1359h	E200.7	5.00	**92.7**	
Chromium	mg/L	11/14/2016 1200h	11/18/2016 1739h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/14/2016 1200h	11/18/2016 1739h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/14/2016 1200h	11/28/2016 1707h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/14/2016 1200h	11/18/2016 1823h	E200.8	0.0300	**0.0459**	
Lead	mg/L	11/14/2016 1200h	11/18/2016 1823h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/14/2016 1200h	11/18/2016 1359h	E200.7	5.00	**29.2**	
Manganese	mg/L	11/14/2016 1200h	11/28/2016 1707h	E200.8	0.0100	**0.203**	
Mercury	mg/L	11/17/2016 1530h	11/18/2016 1035h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/14/2016 1200h	11/18/2016 1739h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/14/2016 1200h	11/18/2016 1739h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/14/2016 1200h	11/18/2016 1425h	E200.7	1.00	**7.13**	
Selenium	mg/L	11/14/2016 1200h	11/18/2016 1739h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/14/2016 1200h	11/18/2016 1739h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/14/2016 1200h	11/18/2016 1153h	E200.7	50.0	**537**	
Thallium	mg/L	11/14/2016 1200h	11/18/2016 1823h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/14/2016 1200h	11/29/2016 1338h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/14/2016 1200h	11/18/2016 1904h	E200.8	0.000300	**0.00108**	
Vanadium	mg/L	11/14/2016 1200h	11/18/2016 1425h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/14/2016 1200h	11/28/2016 1707h	E200.8	0.0100	< 0.0100	

The sample was filtered in the field prior to analysis.

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-006
Client Sample ID: MW-11_11072016
Collection Date: 11/7/2016 1315h
Received Date: 11/11/2016 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/17/2016 1220h	11/17/2016 1529h	E350.1	0.0500	**0.654**	
Bicarbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	**308**	
Carbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/21/2016 2028h	E300.0	10.0	**35.1**	
Fluoride	mg/L		11/21/2016 1920h	E300.0	0.100	**0.448**	
Ion Balance	%		11/22/2016 1443h	Calc.	-100	**-5.40**	
Nitrate/Nitrite (as N)	mg/L		11/17/2016 1753h	E353.2	0.100	< 0.100	
Sulfate	mg/L		11/21/2016 1434h	E300.0	100	**1,290**	
Total Anions, Measured	meq/L		11/22/2016 1443h	Calc.		**34.1**	
Total Cations, Measured	meq/L		11/22/2016 1443h	Calc.		**30.6**	
Total Dissolved Solids	mg/L		11/11/2016 1620h	SM2540C	20.0	**2,100**	
Total Dissolved Solids Ratio, Measured/Calculated			11/22/2016 1443h	Calc.		**0.963**	
Total Dissolved Solids, Calculated	mg/L		11/22/2016 1443h	Calc.		**2,180**	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-006A
Client Sample ID: MW-11_11072016
Collection Date: 11/7/2016 1315h
Received Date: 11/11/2016 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 11/14/2016 1427h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	**1.41**	
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	52.5	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.4	50.00	94.8	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.5	50.00	98.9	80-124	
Surr: Toluene-d8	2037-26-5	51.8	50.00	104	77-129	

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Certificate of Analysis

Report Date: December 12, 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_11072016	Project:	DNMI00100
Sample ID:	410417006	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	07-NOV-16 13:15		
Receive Date:	11-NOV-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	U	1.00	+/-0.175	0.640	1.00	pCi/L			AXM6	12/09/16	1408	1619896	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			103	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-007
Client Sample ID: MW-12_11082016
Collection Date: 11/8/2016 1425h
Received Date: 11/11/2016 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/14/2016 1200h	11/18/2016 1742h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/14/2016 1200h	11/18/2016 1826h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/14/2016 1200h	11/18/2016 1742h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/14/2016 1200h	11/18/2016 1155h	E200.7	20.0	**482**	
Chromium	mg/L	11/14/2016 1200h	11/18/2016 1742h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/14/2016 1200h	11/18/2016 1742h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/14/2016 1200h	11/28/2016 1720h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/14/2016 1200h	11/18/2016 1826h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/14/2016 1200h	11/18/2016 1826h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/14/2016 1200h	11/18/2016 1155h	E200.7	20.0	**205**	
Manganese	mg/L	11/14/2016 1200h	11/28/2016 1720h	E200.8	0.0100	**0.0209**	
Mercury	mg/L	11/17/2016 1530h	11/18/2016 1037h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/14/2016 1200h	11/18/2016 1742h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/14/2016 1200h	11/18/2016 1742h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/14/2016 1200h	11/18/2016 1427h	E200.7	1.00	**13.8**	
Selenium	mg/L	11/14/2016 1200h	11/18/2016 1742h	E200.8	0.00500	**0.0293**	
Silver	mg/L	11/14/2016 1200h	11/18/2016 1742h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/14/2016 1200h	11/18/2016 1155h	E200.7	20.0	**287**	
Thallium	mg/L	11/14/2016 1200h	11/18/2016 1826h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/14/2016 1200h	11/28/2016 1720h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/14/2016 1200h	11/18/2016 1907h	E200.8	0.000300	**0.0226**	
Vanadium	mg/L	11/14/2016 1200h	11/18/2016 1427h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/14/2016 1200h	11/28/2016 1720h	E200.8	0.0100	< 0.0100	

The sample was filtered in the field prior to analysis.

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American West
ANALYTICAL LABORATORIES

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 ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-007
Client Sample ID: MW-12_11082016
Collection Date: 11/8/2016 1425h
Received Date: 11/11/2016 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/17/2016 1220h	11/17/2016 1530h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	**326**	
Carbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/21/2016 2045h	E300.0	10.0	**71.5**	
Fluoride	mg/L		11/21/2016 1937h	E300.0	0.100	**0.121**	
Ion Balance	%		11/22/2016 1443h	Calc.	-100	**-4.55**	
Nitrate/Nitrite (as N)	mg/L		11/17/2016 1754h	E353.2	0.100	**0.148**	
Sulfate	mg/L		11/21/2016 1451h	E300.0	1,000	**2,420**	
Total Anions, Measured	meq/L		11/22/2016 1443h	Calc.		**59.0**	
Total Cations, Measured	meq/L		11/22/2016 1443h	Calc.		**53.8**	
Total Dissolved Solids	mg/L		11/11/2016 1620h	SM2540C	20.0	**3,740**	
Total Dissolved Solids Ratio, Measured/Calculated			11/22/2016 1443h	Calc.		**1.02**	
Total Dissolved Solids, Calculated	mg/L		11/22/2016 1443h	Calc.		**3,680**	

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

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-007A
Client Sample ID: MW-12_11082016
Collection Date: 11/8/2016 1425h
Received Date: 11/11/2016 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 11/14/2016 1447h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.5	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.4	50.00	94.9	80-152	
Surr: Dibromofluoromethane	1868-53-7	48.0	50.00	96.0	80-124	
Surr: Toluene-d8	2037-26-5	51.1	50.00	102	77-129	

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

Certificate of Analysis

Report Date: December 12, 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_11082016	Project:	DNMI00100
Sample ID:	410417007	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	08-NOV-16 14:25		
Receive Date:	11-NOV-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	U	1.00	+/-0.188	0.733	1.00	pCi/L			AXM6	12/09/16	1417	1619896	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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-001
Client Sample ID: MW-14_11022016
Collection Date: 11/2/2016 1440h
Received Date: 11/4/2016 1025h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/7/2016 1318h	11/15/2016 1107h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/7/2016 1318h	11/15/2016 1312h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/7/2016 1318h	11/15/2016 1107h	E200.8	0.000500	**0.00136**	
Calcium	mg/L	11/7/2016 1318h	11/15/2016 1408h	E200.7	50.0	**475**	2
Chromium	mg/L	11/7/2016 1318h	11/15/2016 1107h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/7/2016 1318h	11/15/2016 1107h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/7/2016 1318h	11/15/2016 1107h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/7/2016 1318h	11/15/2016 1312h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/7/2016 1318h	11/15/2016 1312h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/7/2016 1318h	11/15/2016 1408h	E200.7	50.0	**145**	2
Manganese	mg/L	11/7/2016 1318h	11/15/2016 1107h	E200.8	0.0100	**1.98**	2
Mercury	mg/L	11/11/2016 1530h	11/14/2016 735h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/7/2016 1318h	11/15/2016 1107h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/7/2016 1318h	11/15/2016 1107h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/7/2016 1318h	11/15/2016 1526h	E200.7	2.00	**12.3**	
Selenium	mg/L	11/7/2016 1318h	11/15/2016 1107h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/7/2016 1318h	11/15/2016 1107h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/7/2016 1318h	11/15/2016 1408h	E200.7	50.0	**322**	2
Thallium	mg/L	11/7/2016 1318h	11/15/2016 1312h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/7/2016 1318h	11/15/2016 1107h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/7/2016 1318h	11/18/2016 1602h	E200.8	0.000300	**0.0604**	
Vanadium	mg/L	11/7/2016 1318h	11/15/2016 1547h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/7/2016 1318h	11/15/2016 1107h	E200.8	0.0100	**0.0138**	

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

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

American West
ANALYTICAL LABORATORIES

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Salt Lake City, UT 84119

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-001
Client Sample ID: MW-14_11022016
Collection Date: 11/2/2016 1440h
Received Date: 11/4/2016 1025h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/10/2016 910h	11/10/2016 1157h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	**369**	
Carbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/12/2016 013h	E300.0	10.0	**21.1**	
Fluoride	mg/L		11/11/2016 2051h	E300.0	0.100	**0.137**	
Ion Balance	%		11/16/2016 1247h	Calc.	-100	**-3.11**	
Nitrate/Nitrite (as N)	mg/L		11/7/2016 1230h	E353.2	0.100	< 0.100	
Sulfate	mg/L		11/11/2016 1819h	E300.0	1,000	**2,170**	
Total Anions, Measured	meq/L		11/16/2016 1247h	Calc.		**53.2**	
Total Cations, Measured	meq/L		11/16/2016 1247h	Calc.		**50.0**	
Total Dissolved Solids	mg/L		11/4/2016 1714h	SM2540C	20.0	**3,540**	
Total Dissolved Solids Ratio, Measured/Calculated			11/16/2016 1247h	Calc.		**1.05**	
Total Dissolved Solids, Calculated	mg/L		11/16/2016 1247h	Calc.		**3,370**	

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

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-001A
Client Sample ID: MW-14_11022016
Collection Date: 11/2/2016 1440h
Received Date: 11/4/2016 1025h

Test Code: 8260-W-DEN100

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

Analyzed: 11/7/2016 1206h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.9	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.9	50.00	97.8	80-152	
Surr: Dibromofluoromethane	1868-53-7	58.7	50.00	117	80-124	
Surr: Toluene-d8	2037-26-5	50.4	50.00	101	77-129	

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

Certificate of Analysis

Report Date: December 8, 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_11022016	Project:	DNMI00100
Sample ID:	410075001	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	02-NOV-16 14:40		
Receive Date:	08-NOV-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	U	1.00	+/-0.199	0.592	1.00	pCi/L			AXM6	12/08/16	0647	1619783	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			98.2	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

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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: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-002
Client Sample ID: MW-15_11032016
Collection Date: 11/3/2016 1155h
Received Date: 11/4/2016 1025h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/7/2016 1318h	11/15/2016 1122h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/7/2016 1318h	11/15/2016 1315h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/7/2016 1318h	11/15/2016 1122h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/7/2016 1318h	11/15/2016 1451h	E200.7	50.0	**428**	
Chromium	mg/L	11/7/2016 1318h	11/15/2016 1122h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/7/2016 1318h	11/15/2016 1122h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/7/2016 1318h	11/15/2016 1122h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/7/2016 1318h	11/15/2016 1315h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/7/2016 1318h	11/15/2016 1315h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/7/2016 1318h	11/15/2016 1532h	E200.7	10.0	**165**	
Manganese	mg/L	11/7/2016 1318h	11/15/2016 1122h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	11/11/2016 1530h	11/14/2016 741h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/7/2016 1318h	11/15/2016 1122h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/7/2016 1318h	11/15/2016 1122h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/7/2016 1318h	11/15/2016 1555h	E200.7	1.00	**11.2**	
Selenium	mg/L	11/7/2016 1318h	11/15/2016 1122h	E200.8	0.00500	**0.112**	
Silver	mg/L	11/7/2016 1318h	11/15/2016 1122h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/7/2016 1318h	11/15/2016 1451h	E200.7	50.0	**469**	
Thallium	mg/L	11/7/2016 1318h	11/15/2016 1315h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/7/2016 1318h	11/15/2016 1122h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/7/2016 1318h	11/18/2016 1606h	E200.8	0.000300	**0.0443**	
Vanadium	mg/L	11/7/2016 1318h	11/15/2016 1555h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/7/2016 1318h	11/15/2016 1122h	E200.8	0.0100	< 0.0100	

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American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-002
Client Sample ID: MW-15_11032016
Collection Date: 11/3/2016 1155h
Received Date: 11/4/2016 1025h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/10/2016 910h	11/10/2016 1159h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	**346**	
Carbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/12/2016 030h	E300.0	10.0	**41.2**	
Fluoride	mg/L		11/11/2016 2108h	E300.0	0.100	**0.184**	
Ion Balance	%		11/16/2016 1247h	Calc.	-100	**-1.98**	
Nitrate/Nitrite (as N)	mg/L		11/7/2016 1237h	E353.2	0.100	**0.196**	
Sulfate	mg/L		11/11/2016 1836h	E300.0	1,000	**2,390**	
Total Anions, Measured	meq/L		11/16/2016 1247h	Calc.		**57.8**	
Total Cations, Measured	meq/L		11/16/2016 1247h	Calc.		**55.6**	
Total Dissolved Solids	mg/L		11/4/2016 1714h	SM2540C	20.0	**3,670**	
Total Dissolved Solids Ratio, Measured/Calculated			11/16/2016 1247h	Calc.		**0.990**	
Total Dissolved Solids, Calculated	mg/L		11/16/2016 1247h	Calc.		**3,710**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-002A
Client Sample ID: MW-15_11032016
Collection Date: 11/3/2016 1155h
Received Date: 11/4/2016 1025h

Test Code: 8260-W-DEN100

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

Analyzed: 11/7/2016 1226h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.3	50.00	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.6	50.00	97.3	80-152	
Surr: Dibromofluoromethane	1868-53-7	57.0	50.00	114	80-124	
Surr: Toluene-d8	2037-26-5	50.4	50.00	101	77-129	

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3440 South 700 West
Salt Lake City, UT 84119
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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: December 8, 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_11032016	Project:	DNMI00100
Sample ID:	410075002	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	03-NOV-16 11:55		
Receive Date:	08-NOV-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	U	1.00	+/-0.144	0.591	1.00	pCi/L			AXM6	12/08/16	0648	1619783	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"			96.7	(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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

American West
ANALYTICAL LABORATORIES

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 ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1612294-001
Client Sample ID: MW-17_12132016
Collection Date: 12/13/2016 1110h
Received Date: 12/14/2016 1230h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/14/2016 1346h	12/14/2016 1955h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/14/2016 1346h	12/14/2016 2026h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/14/2016 1346h	12/14/2016 1955h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	12/14/2016 1346h	12/15/2016 1016h	E200.7	20.0	**302**	2
Chromium	mg/L	12/14/2016 1346h	12/14/2016 1955h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/14/2016 1346h	12/14/2016 1955h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/14/2016 1346h	12/14/2016 1955h	E200.8	0.0100	< 0.0100	
Iron	mg/L	12/14/2016 1346h	12/14/2016 2026h	E200.8	0.0300	< 0.0300	
Lead	mg/L	12/14/2016 1346h	12/14/2016 2026h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/14/2016 1346h	12/15/2016 1016h	E200.7	20.0	**146**	2
Manganese	mg/L	12/14/2016 1346h	12/14/2016 1955h	E200.8	0.0100	**0.0477**	
Mercury	mg/L	12/14/2016 1400h	12/15/2016 917h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/14/2016 1346h	12/14/2016 1955h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/14/2016 1346h	12/14/2016 1955h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/14/2016 1346h	12/15/2016 1135h	E200.7	1.00	**11.0**	
Selenium	mg/L	12/14/2016 1346h	12/14/2016 1955h	E200.8	0.00500	**0.0101**	
Silver	mg/L	12/14/2016 1346h	12/14/2016 1955h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/14/2016 1346h	12/15/2016 1016h	E200.7	20.0	**512**	2
Thallium	mg/L	12/14/2016 1346h	12/14/2016 2026h	E200.8	0.000500	< 0.000500	
Tin	mg/L	12/14/2016 1346h	12/14/2016 1955h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/14/2016 1346h	12/14/2016 2045h	E200.8	0.000300	**0.0199**	
Vanadium	mg/L	12/14/2016 1346h	12/15/2016 1135h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/14/2016 1346h	12/14/2016 1955h	E200.8	0.0100	< 0.0100	

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

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-001
Client Sample ID: MW-17_11162016
Collection Date: 11/16/2016 1225h
Received Date: 11/18/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/23/2016 1410h	11/23/2016 1718h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/23/2016 711h	SM2320B	1.00	**338**	
Carbonate (as CaCO3)	mg/L		11/23/2016 711h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/1/2016 1848h	E300.0	10.0	**36.5**	
Fluoride	mg/L		12/2/2016 117h	E300.0	0.100	**0.220**	
Ion Balance	%		12/15/2016 1605h	Calc.	-100	**3.32**	
Nitrate/Nitrite (as N)	mg/L		11/21/2016 1754h	E353.2	0.100	**1.30**	
Sulfate	mg/L		12/1/2016 1526h	E300.0	1,000	**1,860**	
Total Anions, Measured	meq/L		12/15/2016 1605h	Calc.		**46.5**	
Total Cations, Measured	meq/L		12/15/2016 1605h	Calc.		**49.7**	
Total Dissolved Solids	mg/L		11/18/2016 1300h	SM2540C	20.0	**2,990**	@
Total Dissolved Solids Ratio, Measured/Calculated			12/15/2016 1605h	Calc.		**0.974**	
Total Dissolved Solids, Calculated	mg/L		12/15/2016 1605h	Calc.		**3,070**	

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

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3440 South 700 West
Salt Lake City, UT 84119
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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-001A
Client Sample ID: MW-17_11162016
Collection Date: 11/16/2016 1225h
Received Date: 11/18/2016 1030h

Test Code: 8260-W-DEN100

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

Analyzed: 11/21/2016 1125h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	60.6	50.00	121	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	54.9	50.00	110	80-152	
Surr: Dibromofluoromethane	1868-53-7	54.1	50.00	108	75-114	
Surr: Toluene-d8	2037-26-5	52.3	50.00	105	77-129	

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

Certificate of Analysis

Report Date: December 8, 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_11162016	Project:	DNMI00100
Sample ID:	411094001	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	16-NOV-16 12:25		
Receive Date:	21-NOV-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	U	1.00	+/-0.231	0.622	1.00	pCi/L			AXM6	12/08/16	0656	1619783	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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-003
Client Sample ID: MW-18_11022016
Collection Date: 11/2/2016 1350h
Received Date: 11/4/2016 1025h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/7/2016 1318h	11/16/2016 1026h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/7/2016 1318h	11/15/2016 1319h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/7/2016 1318h	11/16/2016 1026h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/7/2016 1318h	11/15/2016 1453h	E200.7	50.0	**543**	
Chromium	mg/L	11/7/2016 1318h	11/16/2016 1026h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/7/2016 1318h	11/16/2016 1026h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/7/2016 1318h	11/16/2016 1026h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/7/2016 1318h	11/15/2016 1319h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/7/2016 1318h	11/15/2016 1319h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/7/2016 1318h	11/15/2016 1534h	E200.7	10.0	**129**	
Manganese	mg/L	11/7/2016 1318h	11/16/2016 1026h	E200.8	0.0100	**0.0616**	
Mercury	mg/L	11/11/2016 1530h	11/14/2016 743h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/7/2016 1318h	11/16/2016 1026h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/7/2016 1318h	11/16/2016 1026h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/7/2016 1318h	11/15/2016 1557h	E200.7	1.00	**9.30**	
Selenium	mg/L	11/7/2016 1318h	11/16/2016 1026h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/7/2016 1318h	11/16/2016 1026h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/7/2016 1318h	11/15/2016 1534h	E200.7	10.0	**188**	
Thallium	mg/L	11/7/2016 1318h	11/15/2016 1319h	E200.8	0.000500	**0.00273**	
Tin	mg/L	11/7/2016 1318h	11/16/2016 1026h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/7/2016 1318h	11/18/2016 1609h	E200.8	0.000300	**0.0324**	
Vanadium	mg/L	11/7/2016 1318h	11/15/2016 1557h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/7/2016 1318h	11/16/2016 1026h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-003
Client Sample ID: MW-18_11022016
Collection Date: 11/2/2016 1350h
Received Date: 11/4/2016 1025h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/10/2016 910h	11/10/2016 1207h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	**376**	
Carbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/12/2016 047h	E300.0	10.0	**51.6**	
Fluoride	mg/L		11/11/2016 2125h	E300.0	0.100	**0.211**	
Ion Balance	%		11/16/2016 1247h	Calc.	-100	**-0.0368**	
Nitrate/Nitrite (as N)	mg/L		11/7/2016 1238h	E353.2	0.100	< 0.100	
Sulfate	mg/L		11/11/2016 1853h	E300.0	1,000	**1,780**	
Total Anions, Measured	meq/L		11/16/2016 1247h	Calc.		**46.1**	
Total Cations, Measured	meq/L		11/16/2016 1247h	Calc.		**46.1**	
Total Dissolved Solids	mg/L		11/4/2016 1714h	SM2540C	20.0	**3,140**	
Total Dissolved Solids Ratio, Measured/Calculated			11/16/2016 1247h	Calc.		**1.07**	
Total Dissolved Solids, Calculated	mg/L		11/16/2016 1247h	Calc.		**2,930**	

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
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Jose Rocha
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American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
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Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-003A
Client Sample ID: MW-18_11022016
Collection Date: 11/2/2016 1350h
Received Date: 11/4/2016 1025h

Test Code: 8260-W-DEN100

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

Analyzed: 11/7/2016 1424h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.4	50.00	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.4	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	57.2	50.00	114	80-124	
Surr: Toluene-d8	2037-26-5	50.8	50.00	102	77-129	

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

Certificate of Analysis

Report Date: December 8, 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_11022016	Project:	DNMI00100
Sample ID:	410075003	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	02-NOV-16 13:50		
Receive Date:	08-NOV-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	U	1.00	+/-0.116	0.482	1.00	pCi/L			AXM6	12/08/16	0655	1619783	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"			93.4	(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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-008
Client Sample ID: MW-19_11072016
Collection Date: 11/7/2016 1440h
Received Date: 11/11/2016 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/14/2016 1200h	11/18/2016 1745h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/14/2016 1200h	11/18/2016 1829h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/14/2016 1200h	11/18/2016 1745h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/14/2016 1200h	11/18/2016 1157h	E200.7	10.0	**129**	
Chromium	mg/L	11/14/2016 1200h	11/18/2016 1745h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/14/2016 1200h	11/18/2016 1745h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/14/2016 1200h	11/28/2016 1723h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/14/2016 1200h	11/18/2016 1829h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/14/2016 1200h	11/18/2016 1829h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/14/2016 1200h	11/18/2016 1157h	E200.7	10.0	**47.8**	
Manganese	mg/L	11/14/2016 1200h	11/28/2016 1723h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	11/17/2016 1530h	11/18/2016 1039h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/14/2016 1200h	11/18/2016 1745h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/14/2016 1200h	11/18/2016 1745h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/14/2016 1200h	11/18/2016 1429h	E200.7	1.00	**4.45**	
Selenium	mg/L	11/14/2016 1200h	11/18/2016 1745h	E200.8	0.00500	**0.0137**	
Silver	mg/L	11/14/2016 1200h	11/18/2016 1745h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/14/2016 1200h	11/18/2016 1157h	E200.7	10.0	**93.7**	
Thallium	mg/L	11/14/2016 1200h	11/18/2016 1829h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/14/2016 1200h	11/28/2016 1723h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/14/2016 1200h	11/18/2016 1910h	E200.8	0.000300	**0.00599**	
Vanadium	mg/L	11/14/2016 1200h	11/18/2016 1429h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/14/2016 1200h	11/28/2016 1723h	E200.8	0.0100	< 0.0100	

The sample was filtered in the field prior to analysis.

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Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-008
Client Sample ID: MW-19_11072016
Collection Date: 11/7/2016 1440h
Received Date: 11/11/2016 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/17/2016 1220h	11/17/2016 1531h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	**184**	
Carbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/21/2016 2101h	E300.0	10.0	**32.0**	
Fluoride	mg/L		11/21/2016 1954h	E300.0	0.100	**1.01**	
Ion Balance	%		11/22/2016 1443h	Calc.	-100	**-5.13**	
Nitrate/Nitrite (as N)	mg/L		11/17/2016 1755h	E353.2	0.100	**2.68**	
Sulfate	mg/L		11/21/2016 1508h	E300.0	100	**551**	
Total Anions, Measured	meq/L		11/22/2016 1443h	Calc.		**16.1**	
Total Cations, Measured	meq/L		11/22/2016 1443h	Calc.		**14.5**	
Total Dissolved Solids	mg/L		11/11/2016 1620h	SM2540C	20.0	**984**	
Total Dissolved Solids Ratio, Measured/Calculated			11/22/2016 1443h	Calc.		**1.01**	
Total Dissolved Solids, Calculated	mg/L		11/22/2016 1443h	Calc.		**971**	

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Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-008A
Client Sample ID: MW-19_11072016
Collection Date: 11/7/2016 1440h
Received Date: 11/11/2016 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 11/14/2016 1506h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.3	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.9	50.00	95.8	80-152	
Surr: Dibromofluoromethane	1868-53-7	47.6	50.00	95.1	80-124	
Surr: Toluene-d8	2037-26-5	51.1	50.00	102	77-129	

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GEL LABORATORIES LLC
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Certificate of Analysis

Report Date: December 12, 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_11072016	Project:	DNMI00100
Sample ID:	410417008	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	07-NOV-16 14:40		
Receive Date:	11-NOV-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	U	1.00	+/-0.284	0.810	1.00	pCi/L			AXM6	12/09/16	1417	1619896	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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-002
Client Sample ID: MW-20_11162016
Collection Date: 11/16/2016 1140h
Received Date: 11/18/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/18/2016 1401h	11/29/2016 1800h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/18/2016 1401h	11/29/2016 1838h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/18/2016 1401h	11/29/2016 1800h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/18/2016 1401h	12/6/2016 1858h	E200.7	50.0	**320**	
Chromium	mg/L	11/18/2016 1401h	11/29/2016 1800h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/18/2016 1401h	11/29/2016 1800h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/18/2016 1401h	11/29/2016 1800h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/18/2016 1401h	11/29/2016 1838h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/18/2016 1401h	11/29/2016 1838h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/18/2016 1401h	12/6/2016 1359h	E200.7	1.00	**14.6**	
Manganese	mg/L	11/18/2016 1401h	11/29/2016 1800h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	11/29/2016 1600h	11/30/2016 751h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/18/2016 1401h	11/29/2016 1800h	E200.8	0.0100	**0.0212**	
Nickel	mg/L	11/18/2016 1401h	11/29/2016 1800h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/18/2016 1401h	12/6/2016 1515h	E200.7	2.00	**27.5**	
Selenium	mg/L	11/18/2016 1401h	11/29/2016 1800h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/18/2016 1401h	11/29/2016 1800h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/18/2016 1401h	12/6/2016 1841h	E200.7	200	**1,130**	
Thallium	mg/L	11/18/2016 1401h	11/29/2016 1838h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/18/2016 1401h	11/29/2016 1800h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/18/2016 1401h	11/29/2016 1909h	E200.8	0.000300	**0.00117**	
Vanadium	mg/L	11/18/2016 1401h	12/6/2016 1359h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/18/2016 1401h	11/29/2016 1800h	E200.8	0.0100	< 0.0100	

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Jose Rocha
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-002
Client Sample ID: MW-20_11162016
Collection Date: 11/16/2016 1140h
Received Date: 11/18/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/23/2016 1410h	11/23/2016 1719h	E350.1	0.0500	**0.170**	
Bicarbonate (as CaCO3)	mg/L		11/23/2016 711h	SM2320B	1.00	**93.1**	
Carbonate (as CaCO3)	mg/L		11/23/2016 711h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/1/2016 1905h	E300.0	10.0	**66.6**	
Fluoride	mg/L		12/2/2016 134h	E300.0	0.100	**0.221**	
Ion Balance	%		12/6/2016 1902h	Calc.	-100	**-6.05**	
Nitrate/Nitrite (as N)	mg/L		11/21/2016 1758h	E353.2	0.100	**10.8**	
Sulfate	mg/L		12/1/2016 1633h	E300.0	1,000	**3,440**	
Total Anions, Measured	meq/L		12/6/2016 1902h	Calc.		**75.6**	
Total Cations, Measured	meq/L		12/6/2016 1902h	Calc.		**66.9**	
Total Dissolved Solids	mg/L		11/18/2016 1300h	SM2540C	20.0	**4,910**	
Total Dissolved Solids Ratio, Measured/Calculated			12/6/2016 1902h	Calc.		**0.970**	
Total Dissolved Solids, Calculated	mg/L		12/6/2016 1902h	Calc.		**5,060**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-002A
Client Sample ID: MW-20_11162016
Collection Date: 11/16/2016 1140h
Received Date: 11/18/2016 1030h

Test Code: 8260-W-DEN100

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

Analyzed: 11/21/2016 1145h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	60.2	50.00	120	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.9	50.00	108	80-152	
Surr: Dibromofluoromethane	1868-53-7	54.2	50.00	108	75-114	
Surr: Toluene-d8	2037-26-5	50.5	50.00	101	77-129	

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Certificate of Analysis

Report Date: December 8, 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_11162016	Project:	DNMI00100
Sample ID:	411094002	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	16-NOV-16 11:40		
Receive Date:	21-NOV-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	U	1.00	+/-0.128	0.555	1.00	pCi/L			AXM6	12/08/16	0659	1619783	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"			95.6	(25%-125%)

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-003
Client Sample ID: MW-22_11162016
Collection Date: 11/16/2016 1250h
Received Date: 11/18/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/18/2016 1401h	11/29/2016 1803h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/18/2016 1401h	11/29/2016 1841h	E200.8	0.000500	**0.0133**	
Cadmium	mg/L	11/18/2016 1401h	11/29/2016 1803h	E200.8	0.000500	**0.168**	
Calcium	mg/L	11/18/2016 1401h	12/6/2016 1843h	E200.7	100	**424**	
Chromium	mg/L	11/18/2016 1401h	11/29/2016 1803h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/18/2016 1401h	11/29/2016 1803h	E200.8	0.0100	**0.492**	
Copper	mg/L	11/18/2016 1401h	11/29/2016 1803h	E200.8	0.0100	**0.0916**	
Iron	mg/L	11/18/2016 1401h	11/29/2016 1841h	E200.8	0.0300	**0.0841**	
Lead	mg/L	11/18/2016 1401h	11/29/2016 1841h	E200.8	0.00100	**0.00393**	
Magnesium	mg/L	11/18/2016 1401h	12/6/2016 1402h	E200.7	100	**1,150**	
Manganese	mg/L	11/18/2016 1401h	11/30/2016 957h	E200.8	0.100	**47.7**	
Mercury	mg/L	11/29/2016 1600h	11/30/2016 752h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/18/2016 1401h	11/29/2016 1803h	E200.8	0.0100	**0.297**	
Nickel	mg/L	11/18/2016 1401h	11/29/2016 1803h	E200.8	0.0200	**0.285**	
Potassium	mg/L	11/18/2016 1401h	12/6/2016 1517h	E200.7	2.00	**23.8**	
Selenium	mg/L	11/18/2016 1401h	11/29/2016 1803h	E200.8	0.00500	**0.0129**	
Silver	mg/L	11/18/2016 1401h	11/29/2016 1803h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/18/2016 1401h	12/6/2016 1843h	E200.7	100	**282**	
Thallium	mg/L	11/18/2016 1401h	11/29/2016 1841h	E200.8	0.000500	**0.00153**	
Tin	mg/L	11/18/2016 1401h	11/29/2016 1803h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/18/2016 1401h	11/29/2016 1912h	E200.8	0.000300	**0.0225**	
Vanadium	mg/L	11/18/2016 1401h	12/6/2016 1600h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/18/2016 1401h	11/29/2016 1803h	E200.8	0.0100	**1.34**	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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3440 South 700 West
Salt Lake City, UT 84119

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Toll Free: (888) 263-8686
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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-003
Client Sample ID: MW-22_11162016
Collection Date: 11/16/2016 1250h
Received Date: 11/18/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/23/2016 1410h	11/23/2016 1719h	E350.1	0.0500	**0.903**	
Bicarbonate (as CaCO3)	mg/L		11/23/2016 711h	SM2320B	1.00	**16.1**	
Carbonate (as CaCO3)	mg/L		11/23/2016 711h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/1/2016 1616h	E300.0	10.0	**59.5**	
Fluoride	mg/L		12/2/2016 152h	E300.0	0.100	**3.15**	
Ion Balance	%		12/6/2016 1902h	Calc.	-100	**-1.07**	
Nitrate/Nitrite (as N)	mg/L		11/21/2016 1759h	E353.2	0.100	**2.69**	
Sulfate	mg/L		12/1/2016 1650h	E300.0	1,000	**6,220**	
Total Anions, Measured	meq/L		12/6/2016 1902h	Calc.		**131**	
Total Cations, Measured	meq/L		12/6/2016 1902h	Calc.		**129**	
Total Dissolved Solids	mg/L		11/18/2016 1300h	SM2540C	100	**8,320**	
Total Dissolved Solids Ratio, Measured/Calculated			12/6/2016 1902h	Calc.		**1.02**	
Total Dissolved Solids, Calculated	mg/L		12/6/2016 1902h	Calc.		**8,170**	

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Salt Lake City, UT 84119

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Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-003A
Client Sample ID: MW-22_11162016
Collection Date: 11/16/2016 1250h
Received Date: 11/18/2016 1030h

Test Code: 8260-W-DEN100

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

Analyzed: 11/21/2016 1205h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	59.8	50.00	120	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.4	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	54.2	50.00	108	75-114	
Surr: Toluene-d8	2037-26-5	52.0	50.00	104	77-129	

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

Certificate of Analysis

Report Date: December 8, 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_11162016	Project:	DNMI00100
Sample ID:	411094003	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	16-NOV-16 12:50		
Receive Date:	21-NOV-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		2.81	+/-0.381	0.530	1.00	pCi/L			AXM6	12/08/16	0659	1619783	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"			82	(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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-004
Client Sample ID: MW-23_11162016
Collection Date: 11/16/2016 1400h
Received Date: 11/18/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/18/2016 1401h	11/29/2016 1806h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/18/2016 1401h	11/29/2016 1844h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/18/2016 1401h	11/29/2016 1806h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/18/2016 1401h	12/6/2016 1845h	E200.7	50.0	**442**	
Chromium	mg/L	11/18/2016 1401h	11/29/2016 1806h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/18/2016 1401h	11/29/2016 1806h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/18/2016 1401h	11/29/2016 1806h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/18/2016 1401h	11/29/2016 1844h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/18/2016 1401h	11/29/2016 1844h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/18/2016 1401h	12/6/2016 1405h	E200.7	10.0	**151**	
Manganese	mg/L	11/18/2016 1401h	11/29/2016 1806h	E200.8	0.0100	**0.0107**	
Mercury	mg/L	11/29/2016 1600h	11/30/2016 758h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/18/2016 1401h	11/29/2016 1806h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/18/2016 1401h	11/29/2016 1806h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/18/2016 1401h	12/6/2016 1528h	E200.7	1.00	**11.5**	
Selenium	mg/L	11/18/2016 1401h	11/29/2016 1806h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/18/2016 1401h	11/29/2016 1806h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/18/2016 1401h	12/6/2016 1845h	E200.7	50.0	**392**	
Thallium	mg/L	11/18/2016 1401h	11/29/2016 1844h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/18/2016 1401h	11/29/2016 1806h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/18/2016 1401h	11/29/2016 1915h	E200.8	0.000300	**0.00998**	
Vanadium	mg/L	11/18/2016 1401h	12/6/2016 1528h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/18/2016 1401h	11/29/2016 1806h	E200.8	0.0100	< 0.0100	

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

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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: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-004
Client Sample ID: MW-23_11162016
Collection Date: 11/16/2016 1400h
Received Date: 11/18/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/23/2016 1410h	11/23/2016 1720h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/23/2016 711h	SM2320B	1.00	**261**	
Carbonate (as CaCO3)	mg/L		11/23/2016 711h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/2/2016 209h	E300.0	1.00	**6.91**	
Fluoride	mg/L		12/2/2016 209h	E300.0	0.100	**0.240**	
Ion Balance	%		12/6/2016 1902h	Calc.	-100	**1.15**	
Nitrate/Nitrite (as N)	mg/L		11/21/2016 1800h	E353.2	0.100	**0.191**	
Sulfate	mg/L		12/1/2016 1707h	E300.0	1,000	**2,170**	
Total Anions, Measured	meq/L		12/6/2016 1902h	Calc.		**50.7**	
Total Cations, Measured	meq/L		12/6/2016 1902h	Calc.		**51.9**	
Total Dissolved Solids	mg/L		11/18/2016 1300h	SM2540C	20.0	**3,330**	
Total Dissolved Solids Ratio, Measured/Calculated			12/6/2016 1902h	Calc.		**0.999**	
Total Dissolved Solids, Calculated	mg/L		12/6/2016 1902h	Calc.		**3,340**	

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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

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-004A
Client Sample ID: MW-23_11162016
Collection Date: 11/16/2016 1400h
Received Date: 11/18/2016 1030h
Test Code: 8260-W-DEN100

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

Analyzed: 11/21/2016 1224h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	61.2	50.00	122	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.2	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	55.3	50.00	111	75-114	
Surr: Toluene-d8	2037-26-5	50.4	50.00	101	77-129	

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

Certificate of Analysis

Report Date: December 8, 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_11162016	Project:	DNMI00100
Sample ID:	411094004	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	16-NOV-16 14:00		
Receive Date:	21-NOV-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	U	1.00	+/-0.219	0.517	1.00	pCi/L			AXM6	12/08/16	0659	1619783	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"			98.9	(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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-009
Client Sample ID: MW-24_11102016
Collection Date: 11/10/2016 1030h
Received Date: 11/11/2016 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/14/2016 1200h	11/18/2016 1749h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/14/2016 1200h	11/18/2016 1832h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/14/2016 1200h	11/18/2016 1749h	E200.8	0.000500	**0.00367**	
Calcium	mg/L	11/14/2016 1200h	11/18/2016 1159h	E200.7	20.0	**472**	
Chromium	mg/L	11/14/2016 1200h	11/18/2016 1749h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/14/2016 1200h	11/18/2016 1749h	E200.8	0.0100	**0.0616**	
Copper	mg/L	11/14/2016 1200h	11/28/2016 1726h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/14/2016 1200h	11/18/2016 1832h	E200.8	0.0300	**0.193**	
Lead	mg/L	11/14/2016 1200h	11/18/2016 1832h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/14/2016 1200h	11/18/2016 1159h	E200.7	20.0	**166**	
Manganese	mg/L	11/14/2016 1200h	11/28/2016 1732h	E200.8	0.0100	**4.50**	
Mercury	mg/L	11/17/2016 1530h	11/18/2016 1041h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/14/2016 1200h	11/18/2016 1749h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/14/2016 1200h	11/18/2016 1749h	E200.8	0.0200	**0.0334**	
Potassium	mg/L	11/14/2016 1200h	11/18/2016 1438h	E200.7	1.00	**12.4**	
Selenium	mg/L	11/14/2016 1200h	11/18/2016 1749h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/14/2016 1200h	11/18/2016 1749h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/14/2016 1200h	11/18/2016 1159h	E200.7	20.0	**446**	
Thallium	mg/L	11/14/2016 1200h	11/18/2016 1832h	E200.8	0.000500	**0.00146**	
Tin	mg/L	11/14/2016 1200h	11/28/2016 1726h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/14/2016 1200h	11/18/2016 1913h	E200.8	0.000300	**0.00333**	
Vanadium	mg/L	11/14/2016 1200h	11/18/2016 1438h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/14/2016 1200h	11/28/2016 1726h	E200.8	0.0100	**0.0718**	

The sample was filtered in the field prior to analysis.

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-009
Client Sample ID: MW-24_11102016
Collection Date: 11/10/2016 1030h
Received Date: 11/11/2016 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/17/2016 1350h	11/17/2016 1537h	E350.1	0.0500	**0.0580**	
Bicarbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	**34.0**	
Carbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/21/2016 2118h	E300.0	10.0	**49.5**	
Fluoride	mg/L		11/21/2016 2011h	E300.0	0.100	**0.345**	
Ion Balance	%		11/22/2016 1443h	Calc.	-100	**2.76**	
Nitrate/Nitrite (as N)	mg/L		11/17/2016 1756h	E353.2	0.100	**0.289**	
Sulfate	mg/L		11/21/2016 2152h	E300.0	1,000	**2,490**	
Total Anions, Measured	meq/L		11/22/2016 1443h	Calc.		**53.9**	
Total Cations, Measured	meq/L		11/22/2016 1443h	Calc.		**57.0**	
Total Dissolved Solids	mg/L		11/11/2016 1620h	SM2540C	20.0	**4,050**	
Total Dissolved Solids Ratio, Measured/Calculated			11/22/2016 1443h	Calc.		**1.11**	
Total Dissolved Solids, Calculated	mg/L		11/22/2016 1443h	Calc.		**3,660**	

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3440 South 700 West
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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-009A
Client Sample ID: MW-24_11102016
Collection Date: 11/10/2016 1030h
Received Date: 11/11/2016 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 11/14/2016 1526h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.8	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.6	50.00	99.3	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.0	50.00	97.9	80-124	
Surr: Toluene-d8	2037-26-5	51.9	50.00	104	77-129	

3440 South 700 West
Salt Lake City, UT 84119

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

Certificate of Analysis

Report Date: December 12, 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_11102016	Project:	DNMI00100
Sample ID:	410417009	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	10-NOV-16 10:30		
Receive Date:	11-NOV-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	U	1.00	+/-0.234	0.771	1.00	pCi/L			AXM6	12/09/16	1417	1619896	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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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Fax: (801) 263-8687
e-mail: awal@awal-labs.com

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-004
Client Sample ID: MW-25_11022016
Collection Date: 11/2/2016 1135h
Received Date: 11/4/2016 1025h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/7/2016 1318h	11/16/2016 1029h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/7/2016 1318h	11/15/2016 1322h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/7/2016 1318h	11/16/2016 1029h	E200.8	0.000500	**0.00133**	
Calcium	mg/L	11/7/2016 1318h	11/15/2016 1455h	E200.7	20.0	**342**	
Chromium	mg/L	11/7/2016 1318h	11/16/2016 1029h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/7/2016 1318h	11/16/2016 1029h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/7/2016 1318h	11/16/2016 1029h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/7/2016 1318h	11/15/2016 1322h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/7/2016 1318h	11/15/2016 1322h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/7/2016 1318h	11/15/2016 1455h	E200.7	20.0	**116**	
Manganese	mg/L	11/7/2016 1318h	11/16/2016 1029h	E200.8	0.0100	**1.48**	
Mercury	mg/L	11/11/2016 1530h	11/14/2016 748h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/7/2016 1318h	11/16/2016 1029h	E200.8	0.0100	**0.0141**	
Nickel	mg/L	11/7/2016 1318h	11/16/2016 1029h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/7/2016 1318h	11/15/2016 1559h	E200.7	1.00	**10.5**	
Selenium	mg/L	11/7/2016 1318h	11/16/2016 1029h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/7/2016 1318h	11/16/2016 1029h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/7/2016 1318h	11/15/2016 1455h	E200.7	20.0	**293**	
Thallium	mg/L	11/7/2016 1318h	11/15/2016 1322h	E200.8	0.000500	**0.000901**	
Tin	mg/L	11/7/2016 1318h	11/16/2016 1029h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/7/2016 1318h	11/18/2016 1612h	E200.8	0.000300	**0.00648**	
Vanadium	mg/L	11/7/2016 1318h	11/15/2016 1559h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/7/2016 1318h	11/16/2016 1029h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-004
Client Sample ID: MW-25_11022016
Collection Date: 11/2/2016 1135h
Received Date: 11/4/2016 1025h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/10/2016 910h	11/10/2016 1208h	E350.1	0.0500	**0.429**	
Bicarbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	**333**	
Carbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/12/2016 104h	E300.0	10.0	**32.7**	
Fluoride	mg/L		11/11/2016 2142h	E300.0	0.100	**0.329**	
Ion Balance	%		11/16/2016 1247h	Calc.	-100	**5.80**	
Nitrate/Nitrite (as N)	mg/L		11/7/2016 1239h	E353.2	0.100	< 0.100	
Sulfate	mg/L		11/11/2016 1910h	E300.0	1,000	**1,330**	
Total Anions, Measured	meq/L		11/16/2016 1247h	Calc.		**35.3**	
Total Cations, Measured	meq/L		11/16/2016 1247h	Calc.		**39.6**	
Total Dissolved Solids	mg/L		11/4/2016 1714h	SM2540C	20.0	**2,650**	
Total Dissolved Solids Ratio, Measured/Calculated			11/16/2016 1247h	Calc.		**1.14**	
Total Dissolved Solids, Calculated	mg/L		11/16/2016 1247h	Calc.		**2,330**	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686
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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-004A
Client Sample ID: MW-25_11022016
Collection Date: 11/2/2016 1135h
Received Date: 11/4/2016 1025h

Test Code: 8260-W-DEN100

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

Analyzed: 11/7/2016 1444h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.6	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.0	50.00	98.0	80-152	
Surr: Dibromofluoromethane	1868-53-7	55.3	50.00	111	80-124	
Surr: Toluene-d8	2037-26-5	49.8	50.00	99.6	77-129	

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

Certificate of Analysis

Report Date: December 8, 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_11022016	Project:	DNMI00100
Sample ID:	410075004	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	02-NOV-16 11:35		
Receive Date:	08-NOV-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	U	1.00	+/-0.158	0.425	1.00	pCi/L			AXM6	12/08/16	0655	1619783	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			98.2	(25%-125%)

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

American West
ANALYTICAL LABORATORIES

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Salt Lake City, UT 84119

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-010
Client Sample ID: MW-26_11092016
Collection Date: 11/9/2016 1415h
Received Date: 11/11/2016 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/15/2016 1158h	11/18/2016 1932h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/15/2016 1158h	11/18/2016 2013h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/15/2016 1158h	11/18/2016 1932h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/15/2016 1158h	11/18/2016 1214h	E200.7	20.0	**452**	2
Chromium	mg/L	11/15/2016 1158h	11/18/2016 1932h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/15/2016 1158h	11/18/2016 1932h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/15/2016 1158h	11/28/2016 1751h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/15/2016 1158h	11/18/2016 1932h	E200.8	0.100	**0.770**	
Lead	mg/L	11/15/2016 1158h	11/18/2016 2013h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/15/2016 1158h	11/18/2016 1214h	E200.7	20.0	**154**	2
Manganese	mg/L	11/15/2016 1158h	11/18/2016 1932h	E200.8	0.0100	**0.720**	
Mercury	mg/L	11/17/2016 1530h	11/18/2016 1043h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/15/2016 1158h	11/18/2016 1932h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/15/2016 1158h	11/18/2016 1932h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/15/2016 1158h	11/18/2016 1441h	E200.7	1.00	**11.0**	
Selenium	mg/L	11/15/2016 1158h	11/18/2016 1932h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/15/2016 1158h	11/18/2016 1932h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/15/2016 1158h	11/18/2016 1214h	E200.7	20.0	**191**	2
Thallium	mg/L	11/15/2016 1158h	11/18/2016 2013h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/15/2016 1158h	11/28/2016 1751h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/15/2016 1158h	11/18/2016 2041h	E200.8	0.000300	**0.0302**	
Vanadium	mg/L	11/15/2016 1158h	11/18/2016 1441h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/15/2016 1158h	11/18/2016 1932h	E200.8	0.0100	< 0.0100	

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

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-010
Client Sample ID: MW-26_11092016
Collection Date: 11/9/2016 1415h
Received Date: 11/11/2016 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/17/2016 1350h	11/17/2016 1538h	E350.1	0.0500	**0.0841**	
Bicarbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	**331**	
Carbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/22/2016 007h	E300.0	10.0	**67.9**	
Fluoride	mg/L		11/21/2016 2243h	E300.0	0.100	**0.224**	
Ion Balance	%		11/22/2016 1443h	Calc.	-100	**2.86**	
Nitrate/Nitrite (as N)	mg/L		11/17/2016 1758h	E353.2	0.100	**2.73**	
Sulfate	mg/L		11/22/2016 114h	E300.0	1,000	**1,580**	
Total Anions, Measured	meq/L		11/22/2016 1443h	Calc.		**41.4**	
Total Cations, Measured	meq/L		11/22/2016 1443h	Calc.		**43.8**	
Total Dissolved Solids	mg/L		11/11/2016 1620h	SM2540C	20.0	**3,020**	
Total Dissolved Solids Ratio, Measured/Calculated			11/22/2016 1443h	Calc.		**1.14**	
Total Dissolved Solids, Calculated	mg/L		11/22/2016 1443h	Calc.		**2,650**	

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American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-010A
Client Sample ID: MW-26_11092016
Collection Date: 11/9/2016 1415h
Received Date: 11/11/2016 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 11/17/2016 818h
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	**2,440**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	5,640	5,000	113	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	5,280	5,000	106	80-152	
Surr: Dibromofluoromethane	1868-53-7	5,240	5,000	105	80-124	
Surr: Toluene-d8	2037-26-5	5,120	5,000	102	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 11/14/2016 1546h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloromethane	74-87-3	1.00	**2.19**	
Methylene chloride	75-09-2	1.00	**3.40**	
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	49.4	50.00	98.7	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.0	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	48.2	50.00	96.4	80-124	
Surr: Toluene-d8	2037-26-5	50.0	50.00	100	77-129	

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

Certificate of Analysis

Report Date: December 12, 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_11092016	Project:	DNMI00100
Sample ID:	410417010	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	09-NOV-16 14:15		
Receive Date:	11-NOV-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	U	1.00	+/-0.296	0.888	1.00	pCi/L			AXM6	12/09/16	1417	1619896	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			83.8	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

American West
ANALYTICAL LABORATORIES

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Salt Lake City, UT 84119

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-005
Client Sample ID: MW-27_11012016
Collection Date: 11/1/2016 1130h
Received Date: 11/4/2016 1025h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/7/2016 1318h	11/16/2016 1032h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/7/2016 1318h	11/15/2016 1325h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/7/2016 1318h	11/16/2016 1032h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/7/2016 1318h	11/15/2016 1457h	E200.7	10.0	**145**	
Chromium	mg/L	11/7/2016 1318h	11/16/2016 1032h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/7/2016 1318h	11/16/2016 1032h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/7/2016 1318h	11/16/2016 1032h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/7/2016 1318h	11/15/2016 1325h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/7/2016 1318h	11/15/2016 1325h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/7/2016 1318h	11/15/2016 1457h	E200.7	10.0	**63.6**	
Manganese	mg/L	11/7/2016 1318h	11/16/2016 1032h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	11/11/2016 1530h	11/14/2016 750h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/7/2016 1318h	11/16/2016 1032h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/7/2016 1318h	11/16/2016 1032h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/7/2016 1318h	11/15/2016 1601h	E200.7	1.00	**4.25**	
Selenium	mg/L	11/7/2016 1318h	11/16/2016 1032h	E200.8	0.00500	**0.0132**	
Silver	mg/L	11/7/2016 1318h	11/16/2016 1032h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/7/2016 1318h	11/15/2016 1457h	E200.7	10.0	**71.9**	
Thallium	mg/L	11/7/2016 1318h	11/15/2016 1325h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/7/2016 1318h	11/16/2016 1032h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/7/2016 1318h	11/18/2016 1615h	E200.8	0.000300	**0.0207**	
Vanadium	mg/L	11/7/2016 1318h	11/15/2016 1601h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/7/2016 1318h	11/16/2016 1032h	E200.8	0.0100	< 0.0100	

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ANALYTICAL LABORATORIES

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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: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-005
Client Sample ID: MW-27_11012016
Collection Date: 11/1/2016 1130h
Received Date: 11/4/2016 1025h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/10/2016 910h	11/10/2016 1209h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	**333**	
Carbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/12/2016 121h	E300.0	10.0	**43.2**	
Fluoride	mg/L		11/11/2016 2158h	E300.0	0.100	**0.703**	
Ion Balance	%		11/16/2016 1247h	Calc.	-100	**-1.58**	
Nitrate/Nitrite (as N)	mg/L		11/7/2016 1240h	E353.2	0.100	**6.89**	
Sulfate	mg/L		11/11/2016 2323h	E300.0	100	**394**	
Total Anions, Measured	meq/L		11/16/2016 1247h	Calc.		**16.2**	
Total Cations, Measured	meq/L		11/16/2016 1247h	Calc.		**15.7**	
Total Dissolved Solids	mg/L		11/4/2016 1714h	SM2540C	20.0	**908**	
Total Dissolved Solids Ratio, Measured/Calculated			11/16/2016 1247h	Calc.		**0.978**	
Total Dissolved Solids, Calculated	mg/L		11/16/2016 1247h	Calc.		**928**	

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-005A
Client Sample ID: MW-27_11012016
Collection Date: 11/1/2016 1130h
Received Date: 11/4/2016 1025h

Test Code: 8260-W-DEN100

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

Analyzed: 11/7/2016 1539h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.3	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.3	50.00	96.7	80-152	
Surr: Dibromofluoromethane	1868-53-7	59.5	50.00	119	80-124	
Surr: Toluene-d8	2037-26-5	50.8	50.00	102	77-129	

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Certificate of Analysis

Report Date: December 8, 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_11012016	Project:	DNMI00100
Sample ID:	410075005	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	01-NOV-16 11:30		
Receive Date:	08-NOV-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	U	1.00	+/-0.217	0.656	1.00	pCi/L			AXM6	12/08/16	0655	1619783	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"			93	(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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-006
Client Sample ID: MW-28_11012016
Collection Date: 11/1/2016 1535h
Received Date: 11/4/2016 1025h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/7/2016 1318h	11/15/2016 1257h	E200.8	0.00500	**0.0101**	
Beryllium	mg/L	11/7/2016 1318h	11/15/2016 1328h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/7/2016 1318h	11/15/2016 1257h	E200.8	0.000500	**0.00484**	
Calcium	mg/L	11/7/2016 1318h	11/15/2016 1459h	E200.7	50.0	**487**	
Chromium	mg/L	11/7/2016 1318h	11/15/2016 1257h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/7/2016 1318h	11/15/2016 1257h	E200.8	0.0100	**0.0318**	
Copper	mg/L	11/7/2016 1318h	11/15/2016 1257h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/7/2016 1318h	11/15/2016 1328h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/7/2016 1318h	11/15/2016 1328h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/7/2016 1318h	11/15/2016 1536h	E200.7	10.0	**168**	
Manganese	mg/L	11/7/2016 1318h	11/15/2016 1257h	E200.8	0.0100	**1.59**	
Mercury	mg/L	11/11/2016 1530h	11/14/2016 752h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/7/2016 1318h	11/15/2016 1257h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/7/2016 1318h	11/15/2016 1257h	E200.8	0.0200	**0.0227**	
Potassium	mg/L	11/7/2016 1318h	11/15/2016 1603h	E200.7	1.00	**12.8**	
Selenium	mg/L	11/7/2016 1318h	11/15/2016 1257h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/7/2016 1318h	11/15/2016 1257h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/7/2016 1318h	11/15/2016 1459h	E200.7	50.0	**296**	
Thallium	mg/L	11/7/2016 1318h	11/15/2016 1328h	E200.8	0.000500	**0.000850**	
Tin	mg/L	11/7/2016 1318h	11/15/2016 1257h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/7/2016 1318h	11/18/2016 1618h	E200.8	0.000300	**0.00409**	
Vanadium	mg/L	11/7/2016 1318h	11/15/2016 1603h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/7/2016 1318h	11/15/2016 1257h	E200.8	0.0100	**0.0554**	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
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Kyle F. Gross
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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-006
Client Sample ID: MW-28_11012016
Collection Date: 11/1/2016 1535h
Received Date: 11/4/2016 1025h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/10/2016 910h	11/10/2016 1210h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	**125**	
Carbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/12/2016 154h	E300.0	100	**126**	
Fluoride	mg/L		11/11/2016 2215h	E300.0	0.100	**0.593**	
Ion Balance	%		11/16/2016 1247h	Calc.	-100	**-2.19**	
Nitrate/Nitrite (as N)	mg/L		11/7/2016 1241h	E353.2	0.100	**0.883**	
Sulfate	mg/L		11/11/2016 1927h	E300.0	1,000	**2,280**	
Total Anions, Measured	meq/L		11/16/2016 1247h	Calc.		**53.6**	
Total Cations, Measured	meq/L		11/16/2016 1247h	Calc.		**51.3**	
Total Dissolved Solids	mg/L		11/4/2016 1714h	SM2540C	20.0	**3,660**	
Total Dissolved Solids Ratio, Measured/Calculated			11/16/2016 1247h	Calc.		**1.06**	
Total Dissolved Solids, Calculated	mg/L		11/16/2016 1247h	Calc.		**3,450**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-006A
Client Sample ID: MW-28_11012016
Collection Date: 11/1/2016 1535h
Received Date: 11/4/2016 1025h

Test Code: 8260-W-DEN100

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

Analyzed: 11/7/2016 1559h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.8	50.00	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.4	50.00	94.9	80-152	
Surr: Dibromofluoromethane	1868-53-7	60.8	50.00	122	80-124	
Surr: Toluene-d8	2037-26-5	51.9	50.00	104	77-129	

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

Certificate of Analysis

Report Date: December 8, 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_11012016	Project:	DNMI00100
Sample ID:	410075006	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	01-NOV-16 15:35		
Receive Date:	08-NOV-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	U	1.00	+/-0.217	0.558	1.00	pCi/L			AXM6	12/08/16	0655	1619783	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			97.1	(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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-011
Client Sample ID: MW-29_11082016
Collection Date: 11/8/2016 1330h
Received Date: 11/11/2016 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/15/2016 1158h	11/18/2016 1948h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/15/2016 1158h	11/18/2016 2016h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/15/2016 1158h	11/18/2016 1948h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/15/2016 1158h	11/18/2016 1224h	E200.7	20.0	**476**	
Chromium	mg/L	11/15/2016 1158h	11/18/2016 1948h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/15/2016 1158h	11/18/2016 1948h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/15/2016 1158h	11/28/2016 1800h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/15/2016 1158h	11/18/2016 1948h	E200.8	0.100	**1.28**	
Lead	mg/L	11/15/2016 1158h	11/18/2016 2016h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/15/2016 1158h	11/18/2016 1224h	E200.7	20.0	**212**	
Manganese	mg/L	11/15/2016 1158h	11/28/2016 1813h	E200.8	0.0100	**5.04**	
Mercury	mg/L	11/17/2016 1530h	11/18/2016 1048h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/15/2016 1158h	11/18/2016 1948h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/15/2016 1158h	11/18/2016 1948h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/15/2016 1158h	11/18/2016 1447h	E200.7	1.00	**17.8**	
Selenium	mg/L	11/15/2016 1158h	11/18/2016 1948h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/15/2016 1158h	11/18/2016 1948h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/15/2016 1158h	11/18/2016 1224h	E200.7	20.0	**445**	
Thallium	mg/L	11/15/2016 1158h	11/18/2016 2016h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/15/2016 1158h	11/28/2016 1800h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/15/2016 1158h	11/18/2016 2044h	E200.8	0.000300	**0.0137**	
Vanadium	mg/L	11/15/2016 1158h	11/18/2016 1447h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/15/2016 1158h	11/18/2016 1948h	E200.8	0.0100	< 0.0100	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686
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Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
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Laboratory Director
Jose Rocha
QA Officer

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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: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-011
Client Sample ID: MW-29_11082016
Collection Date: 11/8/2016 1330h
Received Date: 11/11/2016 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/17/2016 1350h	11/17/2016 1538h	E350.1	0.0500	**0.546**	
Bicarbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	**304**	
Carbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/22/2016 024h	E300.0	10.0	**38.3**	
Fluoride	mg/L		11/21/2016 2259h	E300.0	0.100	**0.656**	
Ion Balance	%		11/22/2016 1443h	Calc.	-100	**5.35**	
Nitrate/Nitrite (as N)	mg/L		11/17/2016 1759h	E353.2	0.100	< 0.100	
Sulfate	mg/L		11/22/2016 312h	E300.0	1,000	**2,290**	
Total Anions, Measured	meq/L		11/22/2016 1443h	Calc.		**54.8**	
Total Cations, Measured	meq/L		11/22/2016 1443h	Calc.		**61.0**	
Total Dissolved Solids	mg/L		11/11/2016 1620h	SM2540C	20.0	**4,090**	
Total Dissolved Solids Ratio, Measured/Calculated			11/22/2016 1443h	Calc.		**1.12**	
Total Dissolved Solids, Calculated	mg/L		11/22/2016 1443h	Calc.		**3,660**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-011A
Client Sample ID: MW-29_11082016
Collection Date: 11/8/2016 1330h
Received Date: 11/11/2016 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 11/14/2016 1605h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.0	50.00	99.9	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.1	50.00	96.2	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.7	50.00	91.4	80-124	
Surr: Toluene-d8	2037-26-5	49.6	50.00	99.1	77-129	

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Certificate of Analysis

Report Date: December 12, 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_11082016	Project:	DNMI00100
Sample ID:	410417011	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	08-NOV-16 13:30		
Receive Date:	11-NOV-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	U	1.00	+/-0.263	0.794	1.00	pCi/L			AXM6	12/09/16	1419	1619896	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"			105	(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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-007
Client Sample ID: MW-30_11032016
Collection Date: 11/3/2016 1215h
Received Date: 11/4/2016 1025h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/7/2016 1318h	11/16/2016 1035h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/7/2016 1318h	11/15/2016 1331h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/7/2016 1318h	11/16/2016 1035h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/7/2016 1318h	11/15/2016 1501h	E200.7	20.0	**261**	
Chromium	mg/L	11/7/2016 1318h	11/16/2016 1035h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/7/2016 1318h	11/16/2016 1035h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/7/2016 1318h	11/16/2016 1035h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/7/2016 1318h	11/15/2016 1331h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/7/2016 1318h	11/15/2016 1331h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/7/2016 1318h	11/15/2016 1538h	E200.7	5.00	**71.8**	
Manganese	mg/L	11/7/2016 1318h	11/16/2016 1035h	E200.8	0.0100	**0.0135**	
Mercury	mg/L	11/11/2016 1530h	11/14/2016 754h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/7/2016 1318h	11/16/2016 1035h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/7/2016 1318h	11/16/2016 1035h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/7/2016 1318h	11/15/2016 1606h	E200.7	1.00	**7.02**	
Selenium	mg/L	11/7/2016 1318h	11/16/2016 1035h	E200.8	0.00500	**0.0434**	
Silver	mg/L	11/7/2016 1318h	11/16/2016 1035h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/7/2016 1318h	11/15/2016 1538h	E200.7	5.00	**99.7**	
Thallium	mg/L	11/7/2016 1318h	11/15/2016 1331h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/7/2016 1318h	11/16/2016 1035h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/7/2016 1318h	11/18/2016 1621h	E200.8	0.000300	**0.00792**	
Vanadium	mg/L	11/7/2016 1318h	11/15/2016 1606h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/7/2016 1318h	11/16/2016 1035h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-007
Client Sample ID: MW-30_11032016
Collection Date: 11/3/2016 1215h
Received Date: 11/4/2016 1025h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/10/2016 910h	11/10/2016 1210h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	**154**	
Carbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/11/2016 1729h	E300.0	100	**143**	
Fluoride	mg/L		11/11/2016 2232h	E300.0	0.100	**0.375**	
Ion Balance	%		11/16/2016 1247h	Calc.	-100	**2.44**	
Nitrate/Nitrite (as N)	mg/L		11/7/2016 1242h	E353.2	0.100	**18.0**	
Sulfate	mg/L		11/11/2016 1729h	E300.0	100	**716**	
Total Anions, Measured	meq/L		11/16/2016 1247h	Calc.		**22.3**	
Total Cations, Measured	meq/L		11/16/2016 1247h	Calc.		**23.4**	
Total Dissolved Solids	mg/L		11/4/2016 1714h	SM2540C	20.0	**1,490**	
Total Dissolved Solids Ratio, Measured/Calculated			11/16/2016 1247h	Calc.		**1.06**	
Total Dissolved Solids, Calculated	mg/L		11/16/2016 1247h	Calc.		**1,410**	

3440 South 700 West
Salt Lake City, UT 84119

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-007A
Client Sample ID: MW-30_11032016
Collection Date: 11/3/2016 1215h
Received Date: 11/4/2016 1025h

Test Code: 8260-W-DEN100

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

Analyzed: 11/7/2016 1619h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.3	50.00	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.2	50.00	100	80-152	
Surr: Dibromofluoromethane	1868-53-7	60.4	50.00	121	80-124	
Surr: Toluene-d8	2037-26-5	52.0	50.00	104	77-129	

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Certificate of Analysis

Report Date: December 8, 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_11032016	Project:	DNMI00100
Sample ID:	410075007	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	03-NOV-16 12:15		
Receive Date:	08-NOV-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	U	1.00	+/-0.163	0.613	1.00	pCi/L			AXM6	12/08/16	0655	1619783	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"			97.1	(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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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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: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-008
Client Sample ID: MW-31_11012016
Collection Date: 11/1/2016 1350h
Received Date: 11/4/2016 1025h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/7/2016 1318h	11/16/2016 1038h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/7/2016 1318h	11/15/2016 1334h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/7/2016 1318h	11/16/2016 1038h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/7/2016 1318h	11/15/2016 1503h	E200.7	20.0	**244**	
Chromium	mg/L	11/7/2016 1318h	11/16/2016 1038h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/7/2016 1318h	11/16/2016 1038h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/7/2016 1318h	11/16/2016 1038h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/7/2016 1318h	11/15/2016 1334h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/7/2016 1318h	11/15/2016 1334h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/7/2016 1318h	11/15/2016 1503h	E200.7	20.0	**108**	
Manganese	mg/L	11/7/2016 1318h	11/16/2016 1038h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	11/11/2016 1530h	11/14/2016 755h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/7/2016 1318h	11/16/2016 1038h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/7/2016 1318h	11/16/2016 1038h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/7/2016 1318h	11/15/2016 1608h	E200.7	1.00	**7.13**	
Selenium	mg/L	11/7/2016 1318h	11/16/2016 1038h	E200.8	0.00500	**0.0890**	
Silver	mg/L	11/7/2016 1318h	11/16/2016 1038h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/7/2016 1318h	11/15/2016 1503h	E200.7	20.0	**104**	
Thallium	mg/L	11/7/2016 1318h	11/15/2016 1334h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/7/2016 1318h	11/16/2016 1038h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/7/2016 1318h	11/18/2016 1624h	E200.8	0.000300	**0.00956**	
Vanadium	mg/L	11/7/2016 1318h	11/15/2016 1608h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/7/2016 1318h	11/16/2016 1038h	E200.8	0.0100	< 0.0100	

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American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-008
Client Sample ID: MW-31_11012016
Collection Date: 11/1/2016 1350h
Received Date: 11/4/2016 1025h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/10/2016 910h	11/10/2016 1211h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	**156**	
Carbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/11/2016 2001h	E300.0	100	**267**	
Fluoride	mg/L		11/11/2016 2249h	E300.0	0.100	**0.740**	
Ion Balance	%		11/16/2016 1247h	Calc.	-100	**-1.62**	
Nitrate/Nitrite (as N)	mg/L		11/7/2016 1243h	E353.2	0.100	**19.8**	
Sulfate	mg/L		11/11/2016 2001h	E300.0	100	**752**	
Total Anions, Measured	meq/L		11/16/2016 1247h	Calc.		**26.6**	
Total Cations, Measured	meq/L		11/16/2016 1247h	Calc.		**25.8**	
Total Dissolved Solids	mg/L		11/4/2016 1714h	SM2540C	20.0	**1,690**	
Total Dissolved Solids Ratio, Measured/Calculated			11/16/2016 1247h	Calc.		**1.06**	
Total Dissolved Solids, Calculated	mg/L		11/16/2016 1247h	Calc.		**1,600**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-008A
Client Sample ID: MW-31_11012016
Collection Date: 11/1/2016 1350h
Received Date: 11/4/2016 1025h

Test Code: 8260-W-DEN100

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

Analyzed: 11/7/2016 1638h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.7	50.00	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.6	50.00	99.2	80-152	
Surr: Dibromofluoromethane	1868-53-7	59.3	50.00	119	80-124	
Surr: Toluene-d8	2037-26-5	51.7	50.00	103	77-129	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: December 8, 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_11012016	Project:	DNMI00100
Sample ID:	410075008	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	01-NOV-16 13:50		
Receive Date:	08-NOV-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	U	1.00	+/-0.202	0.550	1.00	pCi/L			AXM6	12/08/16	0655	1619783	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			96	(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 he greater of either the adjusted MDL or the CRDL.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-009
Client Sample ID: MW-32_10312016
Collection Date: 10/31/2016 1330h
Received Date: 11/4/2016 1025h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/7/2016 1318h	11/16/2016 1045h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/7/2016 1318h	11/15/2016 1337h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/7/2016 1318h	11/16/2016 1045h	E200.8	0.000500	**0.00155**	
Calcium	mg/L	11/7/2016 1318h	11/15/2016 1505h	E200.7	50.0	**490**	
Chromium	mg/L	11/7/2016 1318h	11/16/2016 1045h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/7/2016 1318h	11/16/2016 1045h	E200.8	0.0100	**0.0379**	
Copper	mg/L	11/7/2016 1318h	11/16/2016 1045h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/7/2016 1318h	11/15/2016 1337h	E200.8	0.0300	**4.96**	
Lead	mg/L	11/7/2016 1318h	11/15/2016 1337h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/7/2016 1318h	11/15/2016 1505h	E200.7	50.0	**206**	
Manganese	mg/L	11/7/2016 1318h	11/16/2016 1049h	E200.8	0.0100	**4.83**	
Mercury	mg/L	11/11/2016 1530h	11/14/2016 757h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/7/2016 1318h	11/16/2016 1045h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/7/2016 1318h	11/16/2016 1045h	E200.8	0.0200	**0.0445**	
Potassium	mg/L	11/7/2016 1318h	11/15/2016 1620h	E200.7	1.00	**15.4**	
Selenium	mg/L	11/7/2016 1318h	11/16/2016 1045h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/7/2016 1318h	11/16/2016 1045h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/7/2016 1318h	11/15/2016 1505h	E200.7	50.0	**228**	
Thallium	mg/L	11/7/2016 1318h	11/15/2016 1337h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/7/2016 1318h	11/16/2016 1045h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/7/2016 1318h	11/18/2016 1628h	E200.8	0.000300	**0.00174**	
Vanadium	mg/L	11/7/2016 1318h	11/15/2016 1620h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/7/2016 1318h	11/16/2016 1045h	E200.8	0.0100	**0.0727**	

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e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
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Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-009
Client Sample ID: MW-32_10312016
Collection Date: 10/31/2016 1330h
Received Date: 11/4/2016 1025h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/10/2016 910h	11/10/2016 1212h	E350.1	0.0500	**0.575**	
Bicarbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	**383**	
Carbonate (as CaCO3)	mg/L		11/7/2016 1100h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/12/2016 138h	E300.0	10.0	**39.1**	
Fluoride	mg/L		11/11/2016 2306h	E300.0	0.100	**0.182**	
Ion Balance	%		11/16/2016 1247h	Calc.	-100	**-9.29**	
Nitrate/Nitrite (as N)	mg/L		11/7/2016 1244h	E353.2	0.100	< 0.100	
Sulfate	mg/L		11/11/2016 1944h	E300.0	1,000	**2,590**	
Total Anions, Measured	meq/L		11/16/2016 1247h	Calc.		**62.7**	
Total Cations, Measured	meq/L		11/16/2016 1247h	Calc.		**52.0**	
Total Dissolved Solids	mg/L		11/4/2016 1714h	SM2540C	20.0	**3,420**	
Total Dissolved Solids Ratio, Measured/Calculated			11/16/2016 1247h	Calc.		**0.898**	
Total Dissolved Solids, Calculated	mg/L		11/16/2016 1247h	Calc.		**3,800**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-009A
Client Sample ID: MW-32_10312016
Collection Date: 10/31/2016 1330h
Received Date: 11/4/2016 1025h

Test Code: 8260-W-DEN100

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

Analyzed: 11/7/2016 1658h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.0	50.00	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.5	50.00	99.0	80-152	
Surr: Dibromofluoromethane	1868-53-7	58.1	50.00	116	80-124	
Surr: Toluene-d8	2037-26-5	52.2	50.00	104	77-129	

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

Certificate of Analysis

Report Date: December 8, 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_10312016	Project:	DNMI00100
Sample ID:	410075009	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	31-OCT-16 13:30		
Receive Date:	08-NOV-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		1.07	+/-0.247	0.584	1.00	pCi/L			AXM6	12/08/16	0655	1619783	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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

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ANALYTICAL LABORATORIES

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web: www.awal-labs.com

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Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-012
Client Sample ID: MW-35_11092016
Collection Date: 11/9/2016 1015h
Received Date: 11/11/2016 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/15/2016 1158h	11/18/2016 1951h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/15/2016 1158h	11/18/2016 2019h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/15/2016 1158h	11/18/2016 1951h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/15/2016 1158h	11/18/2016 1226h	E200.7	50.0	**519**	
Chromium	mg/L	11/15/2016 1158h	11/18/2016 1951h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/15/2016 1158h	11/18/2016 1951h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/15/2016 1158h	11/28/2016 1803h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/15/2016 1158h	11/18/2016 2019h	E200.8	0.0300	**0.0886**	
Lead	mg/L	11/15/2016 1158h	11/18/2016 2019h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/15/2016 1158h	11/18/2016 1226h	E200.7	50.0	**155**	
Manganese	mg/L	11/15/2016 1158h	11/18/2016 1951h	E200.8	0.0100	**0.224**	
Mercury	mg/L	11/17/2016 1530h	11/18/2016 1050h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/15/2016 1158h	11/18/2016 1951h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/15/2016 1158h	11/18/2016 1951h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/15/2016 1158h	11/18/2016 1449h	E200.7	1.00	**11.8**	
Selenium	mg/L	11/15/2016 1158h	11/18/2016 1951h	E200.8	0.00500	**0.0105**	
Silver	mg/L	11/15/2016 1158h	11/18/2016 1951h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/15/2016 1158h	11/18/2016 1226h	E200.7	50.0	**365**	
Thallium	mg/L	11/15/2016 1158h	11/18/2016 2019h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/15/2016 1158h	11/28/2016 1803h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/15/2016 1158h	11/18/2016 2047h	E200.8	0.000300	**0.0220**	
Vanadium	mg/L	11/15/2016 1158h	11/18/2016 1449h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/15/2016 1158h	11/18/2016 1951h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-012
Client Sample ID: MW-35_11092016
Collection Date: 11/9/2016 1015h
Received Date: 11/11/2016 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/17/2016 1350h	11/17/2016 1539h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	**326**	
Carbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/22/2016 041h	E300.0	10.0	**64.1**	
Fluoride	mg/L		11/21/2016 2316h	E300.0	0.100	**0.287**	
Ion Balance	%		11/22/2016 1443h	Calc.	-100	**5.41**	
Nitrate/Nitrite (as N)	mg/L		11/17/2016 1800h	E353.2	0.100	< 0.100	
Sulfate	mg/L		11/22/2016 329h	E300.0	1,000	**1,960**	
Total Anions, Measured	meq/L		11/22/2016 1443h	Calc.		**49.2**	
Total Cations, Measured	meq/L		11/22/2016 1443h	Calc.		**54.8**	
Total Dissolved Solids	mg/L		11/11/2016 1620h	SM2540C	20.0	**3,500**	
Total Dissolved Solids Ratio, Measured/Calculated			11/22/2016 1443h	Calc.		**1.07**	
Total Dissolved Solids, Calculated	mg/L		11/22/2016 1443h	Calc.		**3,270**	

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

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Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-012A
Client Sample ID: MW-35_11092016
Collection Date: 11/9/2016 1015h
Received Date: 11/11/2016 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 11/14/2016 1625h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.4	50.00	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.3	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	45.4	50.00	90.8	80-124	
Surr: Toluene-d8	2037-26-5	50.9	50.00	102	77-129	

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

Certificate of Analysis

Report Date: December 12, 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_11092016	Project:	DNMI00100
Sample ID:	410417012	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	09-NOV-16 10:15		
Receive Date:	11-NOV-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		3.33	+/-0.460	0.784	1.00	pCi/L			AXM6	12/09/16	1419	1619896	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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

American West
ANALYTICAL LABORATORIES

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 ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-013
Client Sample ID: MW-36_11092016
Collection Date: 11/9/2016 1200h
Received Date: 11/11/2016 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/15/2016 1158h	11/18/2016 1954h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/15/2016 1158h	11/18/2016 2022h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/15/2016 1158h	11/18/2016 1954h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/15/2016 1158h	11/18/2016 1228h	E200.7	50.0	**414**	
Chromium	mg/L	11/15/2016 1158h	11/18/2016 1954h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/15/2016 1158h	11/18/2016 1954h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/15/2016 1158h	11/28/2016 1807h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/15/2016 1158h	11/18/2016 2022h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/15/2016 1158h	11/18/2016 2022h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/15/2016 1158h	11/18/2016 1228h	E200.7	50.0	**130**	
Manganese	mg/L	11/15/2016 1158h	11/18/2016 1954h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	11/17/2016 1530h	11/18/2016 1052h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/15/2016 1158h	11/18/2016 1954h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/15/2016 1158h	11/18/2016 1954h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/15/2016 1158h	11/18/2016 1452h	E200.7	1.00	**10.1**	
Selenium	mg/L	11/15/2016 1158h	11/18/2016 1954h	E200.8	0.00500	**0.247**	
Silver	mg/L	11/15/2016 1158h	11/18/2016 1954h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/15/2016 1158h	11/18/2016 1228h	E200.7	50.0	**628**	
Thallium	mg/L	11/15/2016 1158h	11/18/2016 2022h	E200.8	0.000500	**0.000683**	
Tin	mg/L	11/15/2016 1158h	11/28/2016 1807h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/15/2016 1158h	11/18/2016 2050h	E200.8	0.000300	**0.0234**	
Vanadium	mg/L	11/15/2016 1158h	11/18/2016 1452h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/15/2016 1158h	11/18/2016 1954h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-013
Client Sample ID: MW-36_11092016
Collection Date: 11/9/2016 1200h
Received Date: 11/11/2016 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/17/2016 1350h	11/17/2016 1540h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	**281**	
Carbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/22/2016 057h	E300.0	10.0	**57.1**	
Fluoride	mg/L		11/21/2016 2333h	E300.0	0.100	**0.252**	
Ion Balance	%		11/22/2016 1443h	Calc.	-100	**3.02**	
Nitrate/Nitrite (as N)	mg/L		11/17/2016 1801h	E353.2	0.100	**0.216**	
Sulfate	mg/L		11/22/2016 346h	E300.0	1,000	**2,320**	
Total Anions, Measured	meq/L		11/22/2016 1443h	Calc.		**55.5**	
Total Cations, Measured	meq/L		11/22/2016 1443h	Calc.		**58.9**	
Total Dissolved Solids	mg/L		11/11/2016 1620h	SM2540C	20.0	**4,380**	
Total Dissolved Solids Ratio, Measured/Calculated			11/22/2016 1443h	Calc.		**1.18**	
Total Dissolved Solids, Calculated	mg/L		11/22/2016 1443h	Calc.		**3,720**	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
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web: www.awal-labs.com

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-013A
Client Sample ID: MW-36_11092016
Collection Date: 11/9/2016 1200h
Received Date: 11/11/2016 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 11/14/2016 1645h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.2	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.9	50.00	97.8	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.0	50.00	97.9	80-124	
Surr: Toluene-d8	2037-26-5	53.5	50.00	107	77-129	

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

Certificate of Analysis

Report Date: December 12, 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_11092016	Project:	DNMI00100
Sample ID:	410417013	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	09-NOV-16 12:00		
Receive Date:	11-NOV-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	U	1.00	+/-0.210	0.896	1.00	pCi/L			AXM6	12/09/16	1422	1619896	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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-005
Client Sample ID: MW-37_11162016
Collection Date: 11/16/2016 1040h
Received Date: 11/18/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/18/2016 1401h	11/29/2016 1819h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/18/2016 1401h	11/29/2016 1847h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/18/2016 1401h	11/29/2016 1819h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/18/2016 1401h	12/6/2016 1854h	E200.7	100	**470**	
Chromium	mg/L	11/18/2016 1401h	11/29/2016 1819h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/18/2016 1401h	11/29/2016 1819h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/18/2016 1401h	11/29/2016 1819h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/18/2016 1401h	11/29/2016 1847h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/18/2016 1401h	11/29/2016 1847h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/18/2016 1401h	12/6/2016 1407h	E200.7	10.0	**134**	
Manganese	mg/L	11/18/2016 1401h	11/29/2016 1819h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	11/29/2016 1600h	11/30/2016 800h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/18/2016 1401h	11/29/2016 1819h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/18/2016 1401h	11/29/2016 1819h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/18/2016 1401h	12/6/2016 1531h	E200.7	1.00	**17.8**	
Selenium	mg/L	11/18/2016 1401h	11/29/2016 1819h	E200.8	0.00500	**0.00539**	
Silver	mg/L	11/18/2016 1401h	11/29/2016 1819h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/18/2016 1401h	12/6/2016 1854h	E200.7	100	**528**	
Thallium	mg/L	11/18/2016 1401h	11/29/2016 1847h	E200.8	0.000500	**0.000623**	
Tin	mg/L	11/18/2016 1401h	11/29/2016 1819h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/18/2016 1401h	11/29/2016 1918h	E200.8	0.000300	**0.0136**	
Vanadium	mg/L	11/18/2016 1401h	12/6/2016 1531h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/18/2016 1401h	11/29/2016 1819h	E200.8	0.0100	**0.0281**	

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3440 South 700 West
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-005
Client Sample ID: MW-37_11162016
Collection Date: 11/16/2016 1040h
Received Date: 11/18/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/23/2016 1410h	11/23/2016 1721h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/23/2016 711h	SM2320B	1.00	**184**	
Carbonate (as CaCO3)	mg/L		11/23/2016 711h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/1/2016 1922h	E300.0	10.0	**49.5**	
Fluoride	mg/L		12/2/2016 226h	E300.0	0.100	**0.218**	
Ion Balance	%		12/6/2016 1902h	Calc.	-100	**-1.25**	
Nitrate/Nitrite (as N)	mg/L		11/21/2016 1801h	E353.2	0.100	**0.231**	
Sulfate	mg/L		12/1/2016 1724h	E300.0	1,000	**2,600**	
Total Anions, Measured	meq/L		12/6/2016 1902h	Calc.		**59.3**	
Total Cations, Measured	meq/L		12/6/2016 1902h	Calc.		**57.9**	
Total Dissolved Solids	mg/L		11/18/2016 1300h	SM2540C	20.0	**3,730**	
Total Dissolved Solids Ratio, Measured/Calculated			12/6/2016 1902h	Calc.		**0.954**	
Total Dissolved Solids, Calculated	mg/L		12/6/2016 1902h	Calc.		**3,910**	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-005A
Client Sample ID: MW-37_11162016
Collection Date: 11/16/2016 1040h
Received Date: 11/18/2016 1030h

Test Code: 8260-W-DEN100

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

Analyzed: 11/21/2016 1244h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.9	50.00	118	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.4	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	53.7	50.00	107	75-114	
Surr: Toluene-d8	2037-26-5	51.4	50.00	103	77-129	

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

Certificate of Analysis

Report Date: December 8, 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_11162016	Project:	DNMI00100
Sample ID:	411094005	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	16-NOV-16 10:40		
Receive Date:	21-NOV-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		1.31	+/-0.256	0.492	1.00	pCi/L			AXM6	12/08/16	0659	1619783	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"			97.1	(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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-014
Client Sample ID: MW-65_11092016
Collection Date: 11/9/2016 1200h
Received Date: 11/11/2016 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/15/2016 1158h	11/18/2016 2006h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/15/2016 1158h	11/18/2016 2025h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/15/2016 1158h	11/18/2016 2006h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/15/2016 1158h	11/18/2016 1302h	E200.7	50.0	**413**	
Chromium	mg/L	11/15/2016 1158h	11/18/2016 2006h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/15/2016 1158h	11/18/2016 2006h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/15/2016 1158h	11/28/2016 1810h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/15/2016 1158h	11/18/2016 2025h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/15/2016 1158h	11/18/2016 2025h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/15/2016 1158h	11/18/2016 1237h	E200.7	10.0	**134**	
Manganese	mg/L	11/15/2016 1158h	11/18/2016 2006h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	11/17/2016 1530h	11/18/2016 1054h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/15/2016 1158h	11/18/2016 2006h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/15/2016 1158h	11/18/2016 2006h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/15/2016 1158h	11/18/2016 1454h	E200.7	1.00	**9.99**	
Selenium	mg/L	11/15/2016 1158h	11/18/2016 2006h	E200.8	0.00500	**0.247**	
Silver	mg/L	11/15/2016 1158h	11/18/2016 2006h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/15/2016 1158h	11/18/2016 1302h	E200.7	50.0	**641**	
Thallium	mg/L	11/15/2016 1158h	11/18/2016 2025h	E200.8	0.000500	**0.000675**	
Tin	mg/L	11/15/2016 1158h	11/28/2016 1810h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/15/2016 1158h	11/18/2016 2054h	E200.8	0.000300	**0.0233**	
Vanadium	mg/L	11/15/2016 1158h	11/18/2016 1454h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/15/2016 1158h	11/18/2016 2006h	E200.8	0.0100	< 0.0100	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-014
Client Sample ID: MW-65_11092016
Collection Date: 11/9/2016 1200h
Received Date: 11/11/2016 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/17/2016 1350h	11/17/2016 1541h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	**285**	
Carbonate (as CaCO3)	mg/L		11/14/2016 1006h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/22/2016 205h	E300.0	10.0	**56.0**	
Fluoride	mg/L		11/21/2016 2350h	E300.0	0.100	**0.247**	
Ion Balance	%		11/22/2016 1443h	Calc.	-100	**4.80**	
Nitrate/Nitrite (as N)	mg/L		11/17/2016 1805h	E353.2	0.100	**0.206**	
Sulfate	mg/L		11/22/2016 222h	E300.0	1,000	**2,260**	
Total Anions, Measured	meq/L		11/22/2016 1443h	Calc.		**54.3**	
Total Cations, Measured	meq/L		11/22/2016 1443h	Calc.		**59.8**	
Total Dissolved Solids	mg/L		11/11/2016 1620h	SM2540C	20.0	**4,270**	
Total Dissolved Solids Ratio, Measured/Calculated			11/22/2016 1443h	Calc.		**1.16**	
Total Dissolved Solids, Calculated	mg/L		11/22/2016 1443h	Calc.		**3,680**	

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
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American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-014A
Client Sample ID: MW-65_11092016
Collection Date: 11/9/2016 1200h
Received Date: 11/11/2016 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 11/14/2016 1705h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.7	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.6	50.00	99.3	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.6	50.00	99.1	80-124	
Surr: Toluene-d8	2037-26-5	51.8	50.00	104	77-129	

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Certificate of Analysis

Report Date: December 12, 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_11092016	Project:	DNMI00100
Sample ID:	410417014	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	09-NOV-16 12:00		
Receive Date:	11-NOV-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	U	1.00	+/-0.197	0.605	1.00	pCi/L			AXM6	12/09/16	1442	1619896	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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1612294-002
Client Sample ID: MW-70_12132016
Collection Date: 12/13/2016 1110h
Received Date: 12/14/2016 1230h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/14/2016 1346h	12/14/2016 2011h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/14/2016 1346h	12/14/2016 2029h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/14/2016 1346h	12/14/2016 2011h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	12/14/2016 1346h	12/15/2016 1029h	E200.7	20.0	**299**	
Chromium	mg/L	12/14/2016 1346h	12/14/2016 2011h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/14/2016 1346h	12/14/2016 2011h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/14/2016 1346h	12/14/2016 2011h	E200.8	0.0100	< 0.0100	
Iron	mg/L	12/14/2016 1346h	12/14/2016 2029h	E200.8	0.0300	< 0.0300	
Lead	mg/L	12/14/2016 1346h	12/14/2016 2029h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/14/2016 1346h	12/15/2016 1029h	E200.7	20.0	**147**	
Manganese	mg/L	12/14/2016 1346h	12/14/2016 2011h	E200.8	0.0100	**0.0497**	
Mercury	mg/L	12/14/2016 1400h	12/15/2016 926h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/14/2016 1346h	12/14/2016 2011h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/14/2016 1346h	12/14/2016 2011h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/14/2016 1346h	12/15/2016 1142h	E200.7	1.00	**11.0**	
Selenium	mg/L	12/14/2016 1346h	12/14/2016 2011h	E200.8	0.00500	**0.0104**	
Silver	mg/L	12/14/2016 1346h	12/14/2016 2011h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/14/2016 1346h	12/15/2016 1029h	E200.7	20.0	**519**	
Thallium	mg/L	12/14/2016 1346h	12/14/2016 2029h	E200.8	0.000500	< 0.000500	
Tin	mg/L	12/14/2016 1346h	12/14/2016 2011h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/14/2016 1346h	12/14/2016 2048h	E200.8	0.000300	**0.0198**	
Vanadium	mg/L	12/14/2016 1346h	12/15/2016 1142h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/14/2016 1346h	12/14/2016 2011h	E200.8	0.0100	< 0.0100	

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3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-006
Client Sample ID: MW-70_11162016
Collection Date: 11/16/2016 1225h
Received Date: 11/18/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/23/2016 1410h	11/23/2016 1722h	E350.1	0.0500	**0.178**	1
Bicarbonate (as CaCO3)	mg/L		11/23/2016 711h	SM2320B	1.00	**340**	
Carbonate (as CaCO3)	mg/L		11/23/2016 711h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/1/2016 1938h	E300.0	10.0	**35.1**	
Fluoride	mg/L		12/2/2016 244h	E300.0	0.100	**0.195**	
Ion Balance	%		12/15/2016 1605h	Calc.	-100	**-0.252**	
Nitrate/Nitrite (as N)	mg/L		11/21/2016 1805h	E353.2	0.100	**1.25**	
Sulfate	mg/L		12/1/2016 1741h	E300.0	1,000	**2,030**	
Total Anions, Measured	meq/L		12/15/2016 1605h	Calc.		**50.2**	
Total Cations, Measured	meq/L		12/15/2016 1605h	Calc.		**49.9**	
Total Dissolved Solids	mg/L		11/18/2016 1300h	SM2540C	20.0	**3,090**	
Total Dissolved Solids Ratio, Measured/Calculated			12/15/2016 1605h	Calc.		**0.951**	
Total Dissolved Solids, Calculated	mg/L		12/15/2016 1605h	Calc.		**3,250**	

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

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686
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Salt Lake City, UT 84119

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Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-006A
Client Sample ID: MW-70_11162016
Collection Date: 11/16/2016 1225h
Received Date: 11/18/2016 1030h

Test Code: 8260-W-DEN100

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

Analyzed: 11/21/2016 1304h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	62.2	50.00	124	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.9	50.00	99.8	80-152	
Surr: Dibromofluoromethane	1868-53-7	56.1	50.00	112	75-114	
Surr: Toluene-d8	2037-26-5	51.0	50.00	102	77-129	

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

Certificate of Analysis

Report Date: December 8, 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_11162016	Project:	DNMI00100
Sample ID:	411094006	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	16-NOV-16 12:25		
Receive Date:	21-NOV-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	U	1.00	+/-0.197	0.597	1.00	pCi/L			AXM6	12/08/16	0659	1619783	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			94.5	(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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611110-010A
Client Sample ID: Trip Blank
Collection Date: 10/31/2016
Received Date: 11/4/2016 1025h

Test Code: 8260-W-DEN100

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

Analyzed: 11/7/2016 1107h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.7	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.8	50.00	99.5	80-152	
Surr: Dibromofluoromethane	1868-53-7	57.1	50.00	114	80-124	
Surr: Toluene-d8	2037-26-5	51.0	50.00	102	77-129	

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American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611263-015A
Client Sample ID: Trip Blank
Collection Date: 11/7/2016
Received Date: 11/11/2016 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 11/14/2016 1130h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.7	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.6	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	52.3	50.00	105	80-124	
Surr: Toluene-d8	2037-26-5	51.0	50.00	102	77-129	

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Sample ID: 1611393-007A
Client Sample ID: Trip Blank
Collection Date: 11/16/2016
Received Date: 11/18/2016 1030h

Test Code: 8260-W-DEN100

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

Analyzed: 11/21/2016 1106h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	60.7	50.00	121	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	54.3	50.00	109	80-152	
Surr: Dibromofluoromethane	1868-53-7	55.4	50.00	111	75-114	
Surr: Toluene-d8	2037-26-5	52.7	50.00	105	77-129	

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American West
ANALYTICAL LABORATORIES

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: 4th Quarter Groundwater 2016

Dear Garrin Palmer: Lab Set ID: 1611110

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

American West Analytical Laboratories received sample(s) on 11/4/2016 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.

Thank You,

Approved by: Kyle F. Gross Digitally signed by Kyle F. Gross Date: 2016.11.29 14:07:58 -07'00'

Laboratory Director or designee

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Set ID: 1611110
Date Received: 11/4/2016 1025h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1611110-001A	MW-14_11022016	11/2/2016 1440h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611110-001B	MW-14_11022016	11/2/2016 1440h	Aqueous	Anions, E300.0
1611110-001B	MW-14_11022016	11/2/2016 1440h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611110-001C	MW-14_11022016	11/2/2016 1440h	Aqueous	Total Dissolved Solids, A2540C
1611110-001D	MW-14_11022016	11/2/2016 1440h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611110-001D	MW-14_11022016	11/2/2016 1440h	Aqueous	Ammonia, Aqueous
1611110-001E	MW-14_11022016	11/2/2016 1440h	Aqueous	Ion Balance
1611110-001E	MW-14_11022016	11/2/2016 1440h	Aqueous	ICP Metals, Dissolved
1611110-001E	MW-14_11022016	11/2/2016 1440h	Aqueous	ICPMS Metals, Dissolved
1611110-001E	MW-14_11022016	11/2/2016 1440h	Aqueous	Mercury, Drinking Water Dissolved
1611110-002A	MW-15_11032016	11/3/2016 1155h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611110-002B	MW-15_11032016	11/3/2016 1155h	Aqueous	Anions, E300.0
1611110-002B	MW-15_11032016	11/3/2016 1155h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611110-002C	MW-15_11032016	11/3/2016 1155h	Aqueous	Total Dissolved Solids, A2540C
1611110-002D	MW-15_11032016	11/3/2016 1155h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611110-002D	MW-15_11032016	11/3/2016 1155h	Aqueous	Ammonia, Aqueous
1611110-002E	MW-15_11032016	11/3/2016 1155h	Aqueous	Ion Balance
1611110-002E	MW-15_11032016	11/3/2016 1155h	Aqueous	ICP Metals, Dissolved
1611110-002E	MW-15_11032016	11/3/2016 1155h	Aqueous	ICPMS Metals, Dissolved
1611110-002E	MW-15_11032016	11/3/2016 1155h	Aqueous	Mercury, Drinking Water Dissolved
1611110-003A	MW-18_11022016	11/2/2016 1350h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611110-003B	MW-18_11022016	11/2/2016 1350h	Aqueous	Anions, E300.0
1611110-003B	MW-18_11022016	11/2/2016 1350h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611110-003C	MW-18_11022016	11/2/2016 1350h	Aqueous	Total Dissolved Solids, A2540C
1611110-003D	MW-18_11022016	11/2/2016 1350h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611110-003D	MW-18_11022016	11/2/2016 1350h	Aqueous	Ammonia, Aqueous
1611110-003E	MW-18_11022016	11/2/2016 1350h	Aqueous	Ion Balance
1611110-003E	MW-18_11022016	11/2/2016 1350h	Aqueous	ICP Metals, Dissolved
1611110-003E	MW-18_11022016	11/2/2016 1350h	Aqueous	ICPMS Metals, Dissolved

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Set ID: 1611110
Date Received: 11/4/2016 1025h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1611110-003E	MW-18_11022016	11/2/2016 1350h	Aqueous	Mercury, Drinking Water Dissolved
1611110-004A	MW-25_11022016	11/2/2016 1135h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611110-004B	MW-25_11022016	11/2/2016 1135h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611110-004B	MW-25_11022016	11/2/2016 1135h	Aqueous	Anions, E300.0
1611110-004C	MW-25_11022016	11/2/2016 1135h	Aqueous	Total Dissolved Solids, A2540C
1611110-004D	MW-25_11022016	11/2/2016 1135h	Aqueous	Ammonia, Aqueous
1611110-004D	MW-25_11022016	11/2/2016 1135h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611110-004E	MW-25_11022016	11/2/2016 1135h	Aqueous	Ion Balance
1611110-004E	MW-25_11022016	11/2/2016 1135h	Aqueous	ICP Metals, Dissolved
1611110-004E	MW-25_11022016	11/2/2016 1135h	Aqueous	ICPMS Metals, Dissolved
1611110-004E	MW-25_11022016	11/2/2016 1135h	Aqueous	Mercury, Drinking Water Dissolved
1611110-005A	MW-27_11012016	11/1/2016 1130h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611110-005B	MW-27_11012016	11/1/2016 1130h	Aqueous	Anions, E300.0
1611110-005B	MW-27_11012016	11/1/2016 1130h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611110-005C	MW-27_11012016	11/1/2016 1130h	Aqueous	Total Dissolved Solids, A2540C
1611110-005D	MW-27_11012016	11/1/2016 1130h	Aqueous	Ammonia, Aqueous
1611110-005D	MW-27_11012016	11/1/2016 1130h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611110-005E	MW-27_11012016	11/1/2016 1130h	Aqueous	Ion Balance
1611110-005E	MW-27_11012016	11/1/2016 1130h	Aqueous	ICP Metals, Dissolved
1611110-005E	MW-27_11012016	11/1/2016 1130h	Aqueous	ICPMS Metals, Dissolved
1611110-005E	MW-27_11012016	11/1/2016 1130h	Aqueous	Mercury, Drinking Water Dissolved
1611110-006A	MW-28_11012016	11/1/2016 1535h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611110-006B	MW-28_11012016	11/1/2016 1535h	Aqueous	Anions, E300.0
1611110-006B	MW-28_11012016	11/1/2016 1535h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611110-006C	MW-28_11012016	11/1/2016 1535h	Aqueous	Total Dissolved Solids, A2540C
1611110-006D	MW-28_11012016	11/1/2016 1535h	Aqueous	Ammonia, Aqueous
1611110-006D	MW-28_11012016	11/1/2016 1535h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611110-006E	MW-28_11012016	11/1/2016 1535h	Aqueous	Mercury, Drinking Water Dissolved
1611110-006E	MW-28_11012016	11/1/2016 1535h	Aqueous	ICPMS Metals, Dissolved
1611110-006E	MW-28_11012016	11/1/2016 1535h	Aqueous	Ion Balance

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Set ID: 1611110
Date Received: 11/4/2016 1025h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1611110-006E	MW-28_11012016	11/1/2016 1535h	Aqueous	ICP Metals, Dissolved
1611110-007A	MW-30_11032016	11/3/2016 1215h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611110-007B	MW-30_11032016	11/3/2016 1215h	Aqueous	Anions, E300.0
1611110-007B	MW-30_11032016	11/3/2016 1215h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611110-007C	MW-30_11032016	11/3/2016 1215h	Aqueous	Total Dissolved Solids, A2540C
1611110-007D	MW-30_11032016	11/3/2016 1215h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611110-007D	MW-30_11032016	11/3/2016 1215h	Aqueous	Ammonia, Aqueous
1611110-007E	MW-30_11032016	11/3/2016 1215h	Aqueous	ICP Metals, Dissolved
1611110-007E	MW-30_11032016	11/3/2016 1215h	Aqueous	ICPMS Metals, Dissolved
1611110-007E	MW-30_11032016	11/3/2016 1215h	Aqueous	Mercury, Drinking Water Dissolved
1611110-007E	MW-30_11032016	11/3/2016 1215h	Aqueous	Ion Balance
1611110-008A	MW-31_11012016	11/1/2016 1350h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611110-008B	MW-31_11012016	11/1/2016 1350h	Aqueous	Anions, E300.0
1611110-008B	MW-31_11012016	11/1/2016 1350h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611110-008C	MW-31_11012016	11/1/2016 1350h	Aqueous	Total Dissolved Solids, A2540C
1611110-008D	MW-31_11012016	11/1/2016 1350h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611110-008D	MW-31_11012016	11/1/2016 1350h	Aqueous	Ammonia, Aqueous
1611110-008E	MW-31_11012016	11/1/2016 1350h	Aqueous	ICPMS Metals, Dissolved
1611110-008E	MW-31_11012016	11/1/2016 1350h	Aqueous	Mercury, Drinking Water Dissolved
1611110-008E	MW-31_11012016	11/1/2016 1350h	Aqueous	ICP Metals, Dissolved
1611110-008E	MW-31_11012016	11/1/2016 1350h	Aqueous	Ion Balance
1611110-009A	MW-32_10312016	10/31/2016 1330h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611110-009B	MW-32_10312016	10/31/2016 1330h	Aqueous	Anions, E300.0
1611110-009B	MW-32_10312016	10/31/2016 1330h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611110-009C	MW-32_10312016	10/31/2016 1330h	Aqueous	Total Dissolved Solids, A2540C
1611110-009D	MW-32_10312016	10/31/2016 1330h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611110-009D	MW-32_10312016	10/31/2016 1330h	Aqueous	Ammonia, Aqueous
1611110-009E	MW-32_10312016	10/31/2016 1330h	Aqueous	Ion Balance
1611110-009E	MW-32_10312016	10/31/2016 1330h	Aqueous	ICP Metals, Dissolved
1611110-009E	MW-32_10312016	10/31/2016 1330h	Aqueous	ICPMS Metals, Dissolved
1611110-009E	MW-32_10312016	10/31/2016 1330h	Aqueous	Mercury, Drinking Water Dissolved

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Set ID: 1611110
Date Received: 11/4/2016 1025h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1611110-010A	Trip Blank	10/31/2016	Aqueous	VOA by GC/MS Method 8260C/5030C

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Groundwater 2016
Lab Set ID:	1611110

Sample Receipt Information:

Date of Receipt:	11/7/2016
Date(s) of Collection:	10/31-11/3/2016
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
1611110-001E	Calcium	MS/MSD	High analyte concentration
1611110-001E	Magnesium	MS	High analyte concentration
1611110-001E	Sodium	MS/MSD	High analyte concentration
1611110-001E	Manganese	MS/MSD	Sample matrix interference

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.

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

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Groundwater 2016
Lab Set ID:	1611110

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

Sample Receipt Information:

Date of Receipt:	11/7/2016
Date(s) of Collection:	10/31-11/3/2016
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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American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611110
Project: 4th 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-45872	Date Analyzed:	11/15/2016 1406h											
Test Code: 200.7-DIS	Date Prepared:	11/07/2016 1318h											
Calcium	9.89	mg/L	E200.7	0.0579	1.00	10.00	0	98.9	85 - 115				
Magnesium	10.4	mg/L	E200.7	0.0495	1.00	10.00	0	104	85 - 115				
Potassium	10.0	mg/L	E200.7	0.121	1.00	10.00	0	100	85 - 115				
Sodium	10.0	mg/L	E200.7	0.0125	1.00	10.00	0	100	85 - 115				
Vanadium	0.194	mg/L	E200.7	0.000750	0.00500	0.2000	0	96.9	85 - 115				
Lab Sample ID: LCS-45873	Date Analyzed:	11/15/2016 1104h											
Test Code: 200.8-DIS	Date Prepared:	11/07/2016 1318h											
Arsenic	0.201	mg/L	E200.8	0.000540	0.00200	0.2000	0	101	85 - 115				
Beryllium	0.206	mg/L	E200.8	0.000177	0.00200	0.2000	0	103	85 - 115				
Cadmium	0.200	mg/L	E200.8	0.0000666	0.000500	0.2000	0	100	85 - 115				
Chromium	0.200	mg/L	E200.8	0.000998	0.00200	0.2000	0	100	85 - 115				
Cobalt	0.195	mg/L	E200.8	0.0000990	0.00400	0.2000	0	97.6	85 - 115				
Copper	0.197	mg/L	E200.8	0.000862	0.00200	0.2000	0	98.5	85 - 115				
Iron	0.986	mg/L	E200.8	0.0274	0.100	1.000	0	98.6	85 - 115				
Lead	0.201	mg/L	E200.8	0.000125	0.00200	0.2000	0	101	85 - 115				
Manganese	0.199	mg/L	E200.8	0.000560	0.00200	0.2000	0	99.7	85 - 115				
Molybdenum	0.202	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	99.2	85 - 115				
Selenium	0.203	mg/L	E200.8	0.000310	0.00200	0.2000	0	102	85 - 115				
Silver	0.182	mg/L	E200.8	0.000132	0.00200	0.2000	0	90.9	85 - 115				
Thallium	0.200	mg/L	E200.8	0.0000500	0.00200	0.2000	0	99.8	85 - 115				
Tin	1.01	mg/L	E200.8	0.000372	0.00200	1.000	0	101	85 - 115				
Uranium	0.212	mg/L	E200.8	0.0000710	0.00200	0.2000	0	106	85 - 115				
Zinc	1.01	mg/L	E200.8	0.00452	0.00500	1.000	0	101	85 - 115				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611110
Project: 4th 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-45995**	Date Analyzed:	11/14/2016 730h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	11/11/2016 1530h											
Mercury		0.00336	mg/L	E245.1	0.00000559	0.000150	0.003330	0	101	85 - 115				

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611110
Project: 4th 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-45872	Date Analyzed:	11/15/2016 1404h											
Test Code: 200.7-DIS	Date Prepared:	11/07/2016 1318h											
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-45873	Date Analyzed:	11/15/2016 1101h											
Test Code: 200.8-DIS	Date Prepared:	11/07/2016 1318h											
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-45873	Date Analyzed:	11/15/2016 1309h											
Test Code: 200.8-DIS	Date Prepared:	11/07/2016 1318h											
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: 1611110
Project: 4th 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-45873**	Date Analyzed:	11/18/2016 1559h											
Test Code:	200.8-DIS	Date Prepared:	11/07/2016 1318h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								
Lab Sample ID:	**MB-45995**	Date Analyzed:	11/14/2016 728h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	11/11/2016 1530h											
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: 1611110
Project: 4th 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:	**1611110-001EMS**	Date Analyzed:	11/15/2016 1422h											
Test Code:	200.7-DIS	Date Prepared:	11/07/2016 1318h											
Calcium		473	mg/L	E200.7	2.90	50.0	10.00	475	-15.3	70 - 130				2
Magnesium		152	mg/L	E200.7	2.48	50.0	10.00	145	63.6	70 - 130				2
Sodium		322	mg/L	E200.7	0.625	50.0	10.00	322	7.38	70 - 130				2
Lab Sample ID:	**1611110-001EMS**	Date Analyzed:	11/15/2016 1528h											
Test Code:	200.7-DIS	Date Prepared:	11/07/2016 1318h											
Potassium		23.0	mg/L	E200.7	0.242	2.00	10.00	12.3	107	70 - 130				
Lab Sample ID:	**1611110-001EMS**	Date Analyzed:	11/15/2016 1550h											
Test Code:	200.7-DIS	Date Prepared:	11/07/2016 1318h											
Vanadium		0.194	mg/L	E200.7	0.000750	0.00500	0.2000	0	97.0	70 - 130				
Lab Sample ID:	**1611110-001EMS**	Date Analyzed:	11/15/2016 1116h											
Test Code:	200.8-DIS	Date Prepared:	11/07/2016 1318h											
Arsenic		0.212	mg/L	E200.8	0.000540	0.00200	0.2000	0	106	75 - 125				
Beryllium		0.199	mg/L	E200.8	0.000177	0.00200	0.2000	0	99.6	75 - 125				
Cadmium		0.199	mg/L	E200.8	0.0000666	0.000500	0.2000	0.00136	98.6	75 - 125				
Chromium		0.200	mg/L	E200.8	0.000998	0.00200	0.2000	0	100	75 - 125				
Cobalt		0.199	mg/L	E200.8	0.0000990	0.00400	0.2000	0.00293	97.9	75 - 125				
Copper		0.194	mg/L	E200.8	0.000862	0.00200	0.2000	0	96.8	75 - 125				
Iron		1.00	mg/L	E200.8	0.0274	0.100	1.000	0	100	75 - 125				
Lead		0.196	mg/L	E200.8	0.000125	0.00200	0.2000	0	97.8	75 - 125				
Molybdenum		0.216	mg/L	E200.8	0.000202	0.00200	0.2000	0.00424	106	75 - 125				
Nickel		0.203	mg/L	E200.8	0.000522	0.00200	0.2000	0.00386	99.7	75 - 125				
Selenium		0.205	mg/L	E200.8	0.000310	0.00200	0.2000	0.00036	102	75 - 125				
Silver		0.158	mg/L	E200.8	0.000132	0.00200	0.2000	0	79.0	75 - 125				
Thallium		0.196	mg/L	E200.8	0.0000500	0.00200	0.2000	0.000393	97.7	75 - 125				
Tin		1.06	mg/L	E200.8	0.000372	0.00200	1.000	0.00111	106	75 - 125				

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Kyle F. Gross
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611110
Project: 4th 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:	**1611110-001EMS**	Date Analyzed:	11/15/2016 1116h											
Test Code:	200.8-DIS	Date Prepared:	11/07/2016 1318h											
Uranium		0.275	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0604	107	75 - 125				
Zinc		1.01	mg/L	E200.8	0.00452	0.00500	1.000	0.0138	99.8	75 - 125				
Lab Sample ID:	**1611110-001EMS**	Date Analyzed:	11/16/2016 1020h											
Test Code:	200.8-DIS	Date Prepared:	11/07/2016 1318h											
Manganese		2.28	mg/L	E200.8	0.00280	0.0100	0.2000	1.98	150	75 - 125				2
Lab Sample ID:	**1611110-001EMS**	Date Analyzed:	11/14/2016 737h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	11/11/2016 1530h											
Mercury		0.00332	mg/L	E245.1	0.00000559	0.000150	0.003330	0	99.8	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: 1611110
Project: 4th 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:	**1611110-001EMSD**	Date Analyzed:	11/15/2016 1424h											
Test Code:	200.7-DIS	Date Prepared:	11/07/2016 1318h											
Calcium		474	mg/L	E200.7	2.90	50.0	10.00	475	-2.57	70 - 130	473	0.269	20	2
Magnesium		153	mg/L	E200.7	2.48	50.0	10.00	145	76.5	70 - 130	152	0.848	20	
Sodium		325	mg/L	E200.7	0.625	50.0	10.00	322	35.0	70 - 130	322	0.853	20	2
Lab Sample ID:	**1611110-001EMSD**	Date Analyzed:	11/15/2016 1530h											
Test Code:	200.7-DIS	Date Prepared:	11/07/2016 1318h											
Potassium		23.0	mg/L	E200.7	0.242	2.00	10.00	12.3	107	70 - 130	23	0.147	20	
Lab Sample ID:	**1611110-001EMSD**	Date Analyzed:	11/15/2016 1553h											
Test Code:	200.7-DIS	Date Prepared:	11/07/2016 1318h											
Vanadium		0.193	mg/L	E200.7	0.000750	0.00500	0.2000	0	96.4	70 - 130	0.194	0.576	20	
Lab Sample ID:	**1611110-001EMSD**	Date Analyzed:	11/15/2016 1119h											
Test Code:	200.8-DIS	Date Prepared:	11/07/2016 1318h											
Arsenic		0.209	mg/L	E200.8	0.000540	0.00200	0.2000	0	105	75 - 125	0.212	1.51	20	
Beryllium		0.197	mg/L	E200.8	0.000177	0.00200	0.2000	0	98.5	75 - 125	0.199	1.04	20	
Cadmium		0.196	mg/L	E200.8	0.0000666	0.000500	0.2000	0.00136	97.3	75 - 125	0.199	1.26	20	
Chromium		0.198	mg/L	E200.8	0.000998	0.00200	0.2000	0	99.1	75 - 125	0.2	0.928	20	
Cobalt		0.196	mg/L	E200.8	0.0000990	0.00400	0.2000	0.00293	96.6	75 - 125	0.199	1.30	20	
Copper		0.193	mg/L	E200.8	0.000862	0.00200	0.2000	0	96.3	75 - 125	0.194	0.481	20	
Iron		0.983	mg/L	E200.8	0.0274	0.100	1.000	0	98.3	75 - 125	1	1.74	20	
Lead		0.192	mg/L	E200.8	0.000125	0.00200	0.2000	0	96.1	75 - 125	0.196	1.75	20	
Molybdenum		0.212	mg/L	E200.8	0.000202	0.00200	0.2000	0.00424	104	75 - 125	0.216	1.64	20	
Nickel		0.201	mg/L	E200.8	0.000522	0.00200	0.2000	0.00386	98.7	75 - 125	0.203	1.08	20	
Selenium		0.204	mg/L	E200.8	0.000310	0.00200	0.2000	0.00036	102	75 - 125	0.205	0.544	20	
Silver		0.152	mg/L	E200.8	0.000132	0.00200	0.2000	0	75.9	75 - 125	0.158	4.09	20	
Thallium		0.192	mg/L	E200.8	0.0000500	0.00200	0.2000	0.000393	96.0	75 - 125	0.196	1.76	20	
Tin		1.05	mg/L	E200.8	0.000372	0.00200	1.000	0.00111	104	75 - 125	1.06	1.51	20	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611110
Project: 4th 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:	**1611110-001EMSD**	Date Analyzed:	11/15/2016 1119h											
Test Code:	200.8-DIS	Date Prepared:	11/07/2016 1318h											
Uranium		0.271	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0604	105	75 - 125	0.275	1.61	20	
Zinc		1.00	mg/L	E200.8	0.00452	0.00500	1.000	0.0138	98.6	75 - 125	1.01	1.24	20	
Lab Sample ID:	**1611110-001EMSD**	Date Analyzed:	11/16/2016 1023h											
Test Code:	200.8-DIS	Date Prepared:	11/07/2016 1318h											
Manganese		2.27	mg/L	E200.8	0.00280	0.0100	0.2000	1.98	142	75 - 125	2.28	0.704	20	2
Lab Sample ID:	**1611110-001EMSD**	Date Analyzed:	11/14/2016 739h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	11/11/2016 1530h											
Mercury		0.00336	mg/L	E245.1	0.00000559	0.000150	0.003330	0	101	85 - 115	0.00332	0.998	20	

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

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Salt Lake City, UT 84119
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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611110
Project: 4th 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: 1611110-009CDUP Date Analyzed: 11/04/2016 1714h Test Code: TDS-W-2540C													
Total Dissolved Solids	3,470	mg/L	SM2540C	17.5	20.0					3420	1.51	5	
Lab Sample ID: 1611110-008CDUP Date Analyzed: 11/04/2016 1714h Test Code: TDS-W-2540C													
Total Dissolved Solids	1,710	mg/L	SM2540C	17.5	20.0					1690	0.941	5	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611110
Project: 4th 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-R95809 Date Analyzed: 11/11/2016 945h													
Test Code: 300.0-W													
Chloride	5.38	mg/L	E300.0	0.00516	0.100	5.000	0	108	90 - 110				
Fluoride	5.26	mg/L	E300.0	0.0139	0.100	5.000	0	105	90 - 110				
Sulfate	4.73	mg/L	E300.0	0.0201	0.750	5.000	0	94.6	90 - 110				
Lab Sample ID: LCS-R95571 Date Analyzed: 11/07/2016 1100h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	50,100	mg/L	SM2320B	0.504	1.00	50,000	0	100	90 - 110				
Lab Sample ID: LCS-45944 Date Analyzed: 11/10/2016 1145h													
Test Code: NH3-W-350.1 Date Prepared: 11/10/2016 910h													
Ammonia (as N)	10.4	mg/L	E350.1	0.0185	0.0500	10.00	0	104	90 - 110				
Lab Sample ID: LCS-R95577 Date Analyzed: 11/07/2016 1221h													
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-R95586 Date Analyzed: 11/04/2016 1714h													
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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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611110
Project: 4th 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-R95809 Date Analyzed: 11/11/2016 928h													
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-R95571 Date Analyzed: 11/07/2016 1100h													
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-45944 Date Analyzed: 11/10/2016 1145h													
Test Code: NH3-W-350.1 Date Prepared: 11/10/2016 910h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-R95577 Date Analyzed: 11/07/2016 1216h													
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-R95586 Date Analyzed: 11/04/2016 1714h													
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: 1611110
Project: 4th 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: 1611110-007BMS Date Analyzed: 11/11/2016 1746h													
Test Code: 300.0-W													
Chloride	1,230	mg/L	E300.0	1.03	20.0	1,000	143	109	90 - 110				
Fluoride	1,080	mg/L	E300.0	2.78	20.0	1,000	0	108	90 - 110				
Sulfate	1,740	mg/L	E300.0	4.02	150	1,000	716	103	90 - 110				
Lab Sample ID: 1611110-001BMS Date Analyzed: 11/07/2016 1100h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	417	mg/L	SM2320B	0.504	1.00	50.00	369	96.8	80 - 120				
Lab Sample ID: 1611110-001DMS Date Analyzed: 11/10/2016 1158h													
Test Code: NH3-W-350.1 Date Prepared: 11/10/2016 910h													
Ammonia (as N)	11.5	mg/L	E350.1	0.0206	0.0556	11.11	0.0421	103	90 - 110				
Lab Sample ID: 1611110-002DMS Date Analyzed: 11/10/2016 1200h													
Test Code: NH3-W-350.1 Date Prepared: 11/10/2016 910h													
Ammonia (as N)	11.6	mg/L	E350.1	0.0206	0.0556	11.11	0	105	90 - 110				
Lab Sample ID: 1611111-001BMS Date Analyzed: 11/07/2016 1224h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	10.5	mg/L	E353.2	0.0833	0.100	10.00	0	105	90 - 110				
Lab Sample ID: 1611110-001DMS Date Analyzed: 11/07/2016 1236h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.0	mg/L	E353.2	0.0833	0.100	10.00	0	110	90 - 110				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611110
Project: 4th 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: 1611110-007BMSD Date Analyzed: 11/11/2016 1803h													
Test Code: 300.0-W													
Chloride	1,210	mg/L	E300.0	1.03	20.0	1,000	143	107	90 - 110	1230	2.02	20	
Fluoride	1,050	mg/L	E300.0	2.78	20.0	1,000	0	105	90 - 110	1080	2.88	20	
Sulfate	1,730	mg/L	E300.0	4.02	150	1,000	716	102	90 - 110	1740	0.509	20	
Lab Sample ID: 1611110-001BMSD Date Analyzed: 11/07/2016 1100h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	419	mg/L	SM2320B	0.504	1.00	50.00	369	100	80 - 120	417	0.431	10	
Lab Sample ID: 1611110-001DMSD Date Analyzed: 11/10/2016 1159h													
Test Code: NH3-W-350.1 Date Prepared: 11/10/2016 910h													
Ammonia (as N)	11.5	mg/L	E350.1	0.0206	0.0556	11.11	0.0421	103	90 - 110	11.5	0.386	10	
Lab Sample ID: 1611110-002DMSD Date Analyzed: 11/10/2016 1207h													
Test Code: NH3-W-350.1 Date Prepared: 11/10/2016 910h													
Ammonia (as N)	11.0	mg/L	E350.1	0.0206	0.0556	11.11	0	99.2	90 - 110	11.6	5.41	10	
Lab Sample ID: 1611111-001BMSD Date Analyzed: 11/07/2016 1225h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	10.4	mg/L	E353.2	0.0833	0.100	10.00	0	104	90 - 110	10.5	1.06	10	
Lab Sample ID: 1611110-001DMSD Date Analyzed: 11/07/2016 1236h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	10.3	mg/L	E353.2	0.0833	0.100	10.00	0	103	90 - 110	11	6.20	10	

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611110
Project: 4th 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 110716A Date Analyzed: 11/07/2016 1008h													
Test Code: 8260-W-DEN100													
Benzene	20.5	µg/L	SW8260C	0.270	1.00	20.00	0	103	82 - 132				
Chloroform	21.7	µg/L	SW8260C	0.153	1.00	20.00	0	109	85 - 124				
Methylene chloride	19.9	µg/L	SW8260C	0.172	1.00	20.00	0	99.4	71 - 135				
Naphthalene	16.6	µg/L	SW8260C	0.587	1.00	20.00	0	83.2	63 - 129				
Tetrahydrofuran	19.6	µg/L	SW8260C	0.516	1.00	20.00	0	98.1	59 - 120				
Toluene	20.0	µg/L	SW8260C	0.183	1.00	20.00	0	99.8	78 - 130				
Xylenes, Total	60.6	µg/L	SW8260C	0.857	1.00	60.00	0	101	70 - 138				
Surr: 1,2-Dichloroethane-d4	51.1	µg/L	SW8260C			50.00		102	80 - 122				
Surr: 4-Bromofluorobenzene	48.0	µg/L	SW8260C			50.00		96.1	85 - 121				
Surr: Dibromofluoromethane	57.3	µg/L	SW8260C			50.00		115	80 - 116				
Surr: Toluene-d8	50.7	µg/L	SW8260C			50.00		101	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611110
Project: 4th 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 110716A Date Analyzed: 11/07/2016 1047h													
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	52.4	µg/L	SW8260C			50.00		105	80 - 122				
Surr: 4-Bromofluorobenzene	49.8	µg/L	SW8260C			50.00		99.5	85 - 121				
Surr: Dibromofluoromethane	57.7	µg/L	SW8260C			50.00		115	80 - 116				
Surr: Toluene-d8	51.9	µg/L	SW8260C			50.00		104	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611110
Project: 4th 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: 1611110-001AMS Date Analyzed: 11/07/2016 1344h													
Test Code: 8260-W-DEN100													
Benzene	19.6	µg/L	SW8260C	0.270	1.00	20.00	0	98.0	66 - 145				
Chloroform	20.8	µg/L	SW8260C	0.153	1.00	20.00	0	104	50 - 146				
Methylene chloride	19.6	µg/L	SW8260C	0.172	1.00	20.00	0	97.9	30 - 192				
Naphthalene	15.3	µg/L	SW8260C	0.587	1.00	20.00	0	76.4	41 - 131				
Tetrahydrofuran	19.4	µg/L	SW8260C	0.516	1.00	20.00	0	96.9	43 - 146				
Toluene	18.6	µg/L	SW8260C	0.183	1.00	20.00	0	93.2	18 - 192				
Xylenes, Total	56.4	µg/L	SW8260C	0.857	1.00	60.00	0	94.0	42 - 167				
Surr: 1,2-Dichloroethane-d4	49.3	µg/L	SW8260C			50.00		98.7	72 - 151				
Surr: 4-Bromofluorobenzene	45.4	µg/L	SW8260C			50.00		90.8	80 - 152				
Surr: Dibromofluoromethane	52.8	µg/L	SW8260C			50.00		106	80 - 124				
Surr: Toluene-d8	45.7	µg/L	SW8260C			50.00		91.5	77 - 129				
Lab Sample ID: 1611111-001CMS Date Analyzed: 11/07/2016 1305h													
Test Code: 8260-W-DEN100													
Benzene	20.8	µg/L	SW8260C	0.270	1.00	20.00	0	104	66 - 145				
Chloroform	22.8	µg/L	SW8260C	0.153	1.00	20.00	0	114	50 - 146				
Methylene chloride	20.6	µg/L	SW8260C	0.172	1.00	20.00	0	103	30 - 192				
Naphthalene	15.4	µg/L	SW8260C	0.587	1.00	20.00	0	77.0	41 - 131				
Tetrahydrofuran	16.7	µg/L	SW8260C	0.516	1.00	20.00	0	83.6	43 - 146				
Toluene	19.8	µg/L	SW8260C	0.183	1.00	20.00	0	98.9	18 - 192				
Xylenes, Total	58.7	µg/L	SW8260C	0.857	1.00	60.00	0	97.8	42 - 167				
Surr: 1,2-Dichloroethane-d4	52.8	µg/L	SW8260C			50.00		106	72 - 151				
Surr: 4-Bromofluorobenzene	45.8	µg/L	SW8260C			50.00		91.6	80 - 152				
Surr: Dibromofluoromethane	56.5	µg/L	SW8260C			50.00		113	80 - 124				
Surr: Toluene-d8	49.2	µg/L	SW8260C			50.00		98.4	77 - 129				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611110
Project: 4th 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: 1611110-001AMSD Date Analyzed: 11/07/2016 1404h													
Test Code: 8260-W-DEN100													
Benzene	21.3	µg/L	SW8260C	0.270	1.00	20.00	0	106	66 - 145	19.6	8.31	25	
Chloroform	23.2	µg/L	SW8260C	0.153	1.00	20.00	0	116	50 - 146	20.8	10.8	25	
Methylene chloride	21.2	µg/L	SW8260C	0.172	1.00	20.00	0	106	30 - 192	19.6	8.09	25	
Naphthalene	17.0	µg/L	SW8260C	0.587	1.00	20.00	0	85.0	41 - 131	15.3	10.7	25	
Tetrahydrofuran	23.4	µg/L	SW8260C	0.516	1.00	20.00	0	117	43 - 146	19.4	18.9	25	
Toluene	20.3	µg/L	SW8260C	0.183	1.00	20.00	0	102	18 - 192	18.6	8.53	25	
Xylenes, Total	60.8	µg/L	SW8260C	0.857	1.00	60.00	0	101	42 - 167	56.4	7.46	25	
Surr: 1,2-Dichloroethane-d4	52.5	µg/L	SW8260C			50.00		105	72 - 151				
Surr: 4-Bromofluorobenzene	48.3	µg/L	SW8260C			50.00		96.7	80 - 152				
Surr: Dibromofluoromethane	55.5	µg/L	SW8260C			50.00		111	80 - 124				
Surr: Toluene-d8	48.9	µg/L	SW8260C			50.00		97.7	77 - 129				
Lab Sample ID: 1611111-001CMSD Date Analyzed: 11/07/2016 1325h													
Test Code: 8260-W-DEN100													
Benzene	20.6	µg/L	SW8260C	0.270	1.00	20.00	0	103	66 - 145	20.8	0.676	25	
Chloroform	22.5	µg/L	SW8260C	0.153	1.00	20.00	0	112	50 - 146	22.8	1.10	25	
Methylene chloride	20.9	µg/L	SW8260C	0.172	1.00	20.00	0	104	30 - 192	20.6	1.16	25	
Naphthalene	16.2	µg/L	SW8260C	0.587	1.00	20.00	0	81.0	41 - 131	15.4	5.00	25	
Tetrahydrofuran	17.3	µg/L	SW8260C	0.516	1.00	20.00	0	86.4	43 - 146	16.7	3.30	25	
Toluene	19.7	µg/L	SW8260C	0.183	1.00	20.00	0	98.6	18 - 192	19.8	0.355	25	
Xylenes, Total	57.6	µg/L	SW8260C	0.857	1.00	60.00	0	96.0	42 - 167	58.7	1.88	25	
Surr: 1,2-Dichloroethane-d4	52.8	µg/L	SW8260C			50.00		106	72 - 151				
Surr: 4-Bromofluorobenzene	47.8	µg/L	SW8260C			50.00		95.7	80 - 152				
Surr: Dibromofluoromethane	56.4	µg/L	SW8260C			50.00		113	80 - 124				
Surr: Toluene-d8	49.0	µg/L	SW8260C			50.00		98.0	77 - 129				

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

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Rpt Emailed: UL Denison

WORK ORDER Summary

Work Order: **1611110**

Client: Energy Fuels Resources, Inc. Due Date: 11/18/2016

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **4th 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	
1611110-001A	**MW-14_11022016**	11/2/2016 1440h	11/4/2016 1025h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611110-001B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1611110-001C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1611110-001D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611110-001E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611110-002A	**MW-15_11032016**	11/3/2016 1155h	11/4/2016 1025h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611110-002B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				

WORK ORDER Summary

Work Order: **1611110**

Client: Energy Fuels Resources, Inc. Due Date: 11/18/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611110-002C	**MW-15_11032016**	11/3/2016 1155h	11/4/2016 1025h	**TDS-W-2540C**	Aqueous	☑	ww - tds	1
				1 SEL Analytes: TDS				
1611110-002D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611110-002E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611110-003A	**MW-18_11022016**	11/2/2016 1350h	11/4/2016 1025h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611110-003B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1611110-003C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1611110-003D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611110-003E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_ _ _ _ HOK_ _ _ _ HOK_ _ _ _ COC Emailed_ _ _ _ _ _

WORK ORDER Summary

Work Order: **1611110**

Client: Energy Fuels Resources, Inc. Due Date: 11/18/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611110-003E	**MW-18_11022016**	11/2/2016 1350h	11/4/2016 1025h	**HG-DW-DIS-245.1**	Aqueous	☑	df-met	1
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611110-004A	**MW-25_11022016**	11/2/2016 1135h	11/4/2016 1025h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611110-004B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1611110-004C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1611110-004D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611110-004E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611110-005A	**MW-27_11012016**	11/1/2016 1130h	11/4/2016 1025h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611110-005B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1611110-005C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				

WORK ORDER Summary

Work Order: **1611110**

Client: Energy Fuels Resources, Inc. Due Date: 11/18/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611110-005D	**MW-27_11012016**	11/1/2016 1130h	11/4/2016 1025h	**NH3-W-350.1**	Aqueous	☑	df - no2/no3 & nh3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611110-005E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611110-006A	**MW-28_11012016**	11/1/2016 1535h	11/4/2016 1025h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611110-006B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1611110-006C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1611110-006D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611110-006E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				

WORK ORDER Summary

Work Order: **1611110**

Client: Energy Fuels Resources, Inc. Due Date: 11/18/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611110-006E	**MW-28_11012016**	11/1/2016 1535h	11/4/2016 1025h	**HG-DW-DIS-PR**	Aqueous	☑	df-met	1
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611110-007A	**MW-30_11032016**	11/3/2016 1215h	11/4/2016 1025h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611110-007B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1611110-007C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1611110-007D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611110-007E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611110-008A	**MW-31_11012016**	11/1/2016 1350h	11/4/2016 1025h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611110-008B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1611110-008C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1611110-008D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				

WORK ORDER Summary

Work Order: **1611110**

Client: Energy Fuels Resources, Inc. Due Date: 11/18/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611110-008D	**MW-31_11012016**	11/1/2016 1350h	11/4/2016 1025h	**NH3-W-PR**	Aqueous	☑	df - no2/no3 & nh3	1
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611110-008E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611110-009A	**MW-32_10312016**	10/31/2016 1330h	11/4/2016 1025h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611110-009B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1611110-009C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1611110-009D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611110-009E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	

WORK ORDER Summary

Work Order: **1611110**

Client: Energy Fuels Resources, Inc. Due Date: 11/18/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611110-009E	**MW-32_10312016**	10/31/2016 1330h	11/4/2016 1025h	**IONBALANCE**	Aqueous	☑	df-met	1
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611110-010A	**Trip Blank**	10/31/2016	11/4/2016 1025h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				

American West Analytical Laboratories

463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

16111O
AWAL Lab Sample Set #
Page 1 of 1

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Garrin Palmer**
Phone #: **(435) 678-2221** Cell #:
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: **4th Quarter Groundwater 2016**
Project #:
PO #:
Sampler Name: **TANNER HOLLIDAY**

X Include EDD:
LOCUS UPLOAD EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	Known Hazards & Sample Comments
1	MW-14_11022016	11/2/2016	1440			x	x	x	x	x	x	x	x	x	x	
2	MW-15_11032016	11/3/2016	1155			x	x	x	x	x	x	x	x	x	x	
3	MW-18_11022016	11/2/2016	1350			x	x	x	x	x	x	x	x	x	x	
4	MW-25_11022016	11/2/2016	1135			x	x	x	x	x	x	x	x	x	x	
5	MW-27_11012016	11/1/2016	1130			x	x	x	x	x	x	x	x	x	x	
6	MW-28_11012016	11/1/2016	1535			x	x	x	x	x	x	x	x	x	x	
7	MW-30_11032016	11/3/2016	1215			x	x	x	x	x	x	x	x	x	x	
8	MW-31_11012016	11/1/2016	1350			x	x	x	x	x	x	x	x	x	x	
9	MW-32_10312016	10/31/2016	1330			x	x	x	x	x	x	x	x	x	x	
10	TRIP BLANK	10/31/2016		3	W	x	x	x	x	x	x	x	x	x	X	11/7/16 only VOCs
11	TEMP BLANK	11/3/2016		1	W											
12																

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 2.5 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature	Tanner Holliday	Date: 11/3/2016	Received by: Signature		Date:
Print Name:	TANNER HOLLIDAY	Time: 1245	Print Name:		Time:
Relinquished by: Signature		Date:	Received by: Signature	Elena Hayes	Date: 11/4/16
Print Name:		Time:	Print Name:	Elena Hayes	Time: 1025
Relinquished by: Signature		Date:	Received by: Signature		Date:
Print Name:		Time:	Print Name:		Time:
Relinquished by: Signature		Date:	Received by: Signature		Date:
Print Name:		Time:	Print Name:		Time:

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 1611110

pH Lot #: 5003

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7	8	9									
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes									
NO_2 & NO_3	pH <2 H_2SO_4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes									
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH >9 NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > due to the sample matrix interference

Table 1 AWAL – Quarterly Sampling Programs

Groundwater						
Analyte/ Group	Matrix	Approximate Number of Samples per Quarter*				Approximate Number of Samples Annually
		Q1	Q2	Q3	Q4	
Nitrate	Groundwater	18	37	18	37	110
Ammonia	Groundwater	11	29	11	29	80
VOCs	Groundwater	16	32	16	32	96
Fluoride	Groundwater	12	29	12	29	82
TDS	Groundwater	15	30	15	30	90
Chloride	Groundwater	14	37	14	37	102
Sulfate	Groundwater	15	31	15	31	92
Carb/Bicarb	Groundwater	11	29	11	29	80
Chloroform						
Chloride	Groundwater	32				128
Nitrate	Groundwater	32				128
VOCs	Groundwater	35				140
Nitrate						
Chloride	Groundwater	24				96
Nitrate	Groundwater	24				96

* Sample numbers are approximate and may change slightly based on the number of wells and specific constituents in accelerated monitoring.

Table 2 AWAL – Annual Sampling Programs

Tailings		
Analyte Group	Matrix	Approximate Number of Samples Annually
Nitrate	Tailings Wastewater	8
Ammonia	Tailings Wastewater	8
VOCs	Tailings Wastewater	9
Fluoride	Tailings Wastewater	8
TDS	Tailings Wastewater	8
Chloride	Tailings Wastewater	8
Sulfate	Tailings Wastewater	8
Carb/Bicarb	Tailings Wastewater	8
SVOCs	Tailings Wastewater	8
Seeps and Springs		
Nitrate	Surface Water	4 – 6*
Ammonia	Surface Water	4 – 6*
VOCs	Surface Water	4 – 6*
Fluoride	Surface Water	4 – 6*
TDS	Surface Water	4 – 6*
Chloride	Surface Water	4 – 6*
Sulfate	Surface Water	4 – 6*
Carb/Bicarb	Surface Water	4 – 6*

* Number of samples depends on the number of flowing surface water bodies.

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-NH3 G or E350.1	0.05 mg/L	28 days	H_2SO_4 to pH<2	≤ 6°C
Nitrate & Nitrite (as N)	E353.1 or E353.2	0.1 mg/L	28 days	H_2SO_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 CO3	A2320 B	1 mg/L	14 days	None	≤ 6°C
Bicarbonate as HCO3	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

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
4-Bromophenylphenyl ether	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
4-Chloro-3-methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
4-Chlorophenyl phenyl ether	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
4-Nitrophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Acenaphthene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Acenaphthylene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Anthracene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Azobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Benz(a)anthracene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Benzidine	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Benzo(a)pyrene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Benzo(b)fluoranthene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Benzo(g,h,i)perylene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Benzo(k)fluoranthene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Bis(2-hloroethoxy)methane	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Bis(2-chloroethyl) ether	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Bis(2-chloroisopropyl) ether	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Bis(2-ethylhexyl) phthalate	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Butyl benzyl phthalate	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Chrysene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Dibenz(a,h)anthracene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Diethyl phthalate	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Dimethyl phthalate	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Di-n-butyl phthalate	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Di-n-octyl phthalate	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Fluoranthene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Fluorene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Hexachlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Hexachlorobutadiene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Hexachlorocyclopentadiene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Hexachloroethane	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Indeno(1,2,3-cd)pyrene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Isophorone	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Naphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Nitrobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
N-Nitrosodimethylamine	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
N-Nitrosodi-n-propylamine	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
N-Nitrosodiphenylamine	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Pentachlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Phenanthrene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Phenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
Pyrene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C

Library Search for **4-Chlorophenol** added 9/4/13 per Kathy Weinel -RW

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
Pyridine	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C

Holding time for SVOCs is 7 days to extraction and 40 days for analysis of the extract.

Table 4 Fee Schedule

Analyte/ Group	Cost per Sample
Nitrate	
Ammonia	
VOCs (GW program)	
VOCs (Chloroform Program)	
Fluoride	
TDS	
Chloride	
Sulfate	
Carb/Bicarb	
SVOCs	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: 4th Quarter Groundwater 2016

Dear Garrin Palmer: Lab Set ID: 1611263

American West Analytical Laboratories received sample(s) on 11/11/2016 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.

Thank You,

Approved by: Kyle F. Gross Digitally signed by Kyle F. Gross Date: 2016.11.30 15:40:10 -07'00'

Laboratory Director or designee

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Set ID: 1611263
Date Received: 11/11/2016 1035h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1611263-001A	MW-01_11082016	11/8/2016 1020h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611263-001B	MW-01_11082016	11/8/2016 1020h	Aqueous	Anions, E300.0
1611263-001B	MW-01_11082016	11/8/2016 1020h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611263-001C	MW-01_11082016	11/8/2016 1020h	Aqueous	Total Dissolved Solids, A2540C
1611263-001D	MW-01_11082016	11/8/2016 1020h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611263-001D	MW-01_11082016	11/8/2016 1020h	Aqueous	Ammonia, Aqueous
1611263-001E	MW-01_11082016	11/8/2016 1020h	Aqueous	ICPMS Metals, Dissolved
1611263-001E	MW-01_11082016	11/8/2016 1020h	Aqueous	Mercury, Drinking Water Dissolved
1611263-001E	MW-01_11082016	11/8/2016 1020h	Aqueous	ICP Metals, Dissolved
1611263-001E	MW-01_11082016	11/8/2016 1020h	Aqueous	Ion Balance
1611263-002A	MW-02_11082016	11/8/2016 1135h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611263-002B	MW-02_11082016	11/8/2016 1135h	Aqueous	Anions, E300.0
1611263-002B	MW-02_11082016	11/8/2016 1135h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611263-002C	MW-02_11082016	11/8/2016 1135h	Aqueous	Total Dissolved Solids, A2540C
1611263-002D	MW-02_11082016	11/8/2016 1135h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611263-002D	MW-02_11082016	11/8/2016 1135h	Aqueous	Ammonia, Aqueous
1611263-002E	MW-02_11082016	11/8/2016 1135h	Aqueous	Ion Balance
1611263-002E	MW-02_11082016	11/8/2016 1135h	Aqueous	Mercury, Drinking Water Dissolved
1611263-002E	MW-02_11082016	11/8/2016 1135h	Aqueous	ICP Metals, Dissolved
1611263-002E	MW-02_11082016	11/8/2016 1135h	Aqueous	ICPMS Metals, Dissolved
1611263-003A	MW-03_11082016	11/8/2016 850h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611263-003B	MW-03_11082016	11/8/2016 850h	Aqueous	Anions, E300.0
1611263-003B	MW-03_11082016	11/8/2016 850h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611263-003C	MW-03_11082016	11/8/2016 850h	Aqueous	Total Dissolved Solids, A2540C
1611263-003D	MW-03_11082016	11/8/2016 850h	Aqueous	Ammonia, Aqueous
1611263-003D	MW-03_11082016	11/8/2016 850h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611263-003E	MW-03_11082016	11/8/2016 850h	Aqueous	Mercury, Drinking Water Dissolved
1611263-003E	MW-03_11082016	11/8/2016 850h	Aqueous	ICPMS Metals, Dissolved
1611263-003E	MW-03_11082016	11/8/2016 850h	Aqueous	Ion Balance

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American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Set ID: 1611263
Date Received: 11/11/2016 1035h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1611263-003E	MW-03_11082016	11/8/2016	850h	Aqueous	ICP Metals, Dissolved
1611263-004A	MW-03A_11082016	11/8/2016	805h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611263-004B	MW-03A_11082016	11/8/2016	805h	Aqueous	Anions, E300.0
1611263-004B	MW-03A_11082016	11/8/2016	805h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611263-004C	MW-03A_11082016	11/8/2016	805h	Aqueous	Total Dissolved Solids, A2540C
1611263-004D	MW-03A_11082016	11/8/2016	805h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611263-004D	MW-03A_11082016	11/8/2016	805h	Aqueous	Ammonia, Aqueous
1611263-004E	MW-03A_11082016	11/8/2016	805h	Aqueous	Ion Balance
1611263-004E	MW-03A_11082016	11/8/2016	805h	Aqueous	ICP Metals, Dissolved
1611263-004E	MW-03A_11082016	11/8/2016	805h	Aqueous	ICPMS Metals, Dissolved
1611263-004E	MW-03A_11082016	11/8/2016	805h	Aqueous	Mercury, Drinking Water Dissolved
1611263-005A	MW-05_11092016	11/9/2016	1100h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611263-005B	MW-05_11092016	11/9/2016	1100h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611263-005B	MW-05_11092016	11/9/2016	1100h	Aqueous	Anions, E300.0
1611263-005C	MW-05_11092016	11/9/2016	1100h	Aqueous	Total Dissolved Solids, A2540C
1611263-005D	MW-05_11092016	11/9/2016	1100h	Aqueous	Ammonia, Aqueous
1611263-005D	MW-05_11092016	11/9/2016	1100h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611263-005E	MW-05_11092016	11/9/2016	1100h	Aqueous	Ion Balance
1611263-005E	MW-05_11092016	11/9/2016	1100h	Aqueous	ICP Metals, Dissolved
1611263-005E	MW-05_11092016	11/9/2016	1100h	Aqueous	ICPMS Metals, Dissolved
1611263-005E	MW-05_11092016	11/9/2016	1100h	Aqueous	Mercury, Drinking Water Dissolved
1611263-006A	MW-11_11072016	11/7/2016	1315h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611263-006B	MW-11_11072016	11/7/2016	1315h	Aqueous	Anions, E300.0
1611263-006B	MW-11_11072016	11/7/2016	1315h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611263-006C	MW-11_11072016	11/7/2016	1315h	Aqueous	Total Dissolved Solids, A2540C
1611263-006D	MW-11_11072016	11/7/2016	1315h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611263-006D	MW-11_11072016	11/7/2016	1315h	Aqueous	Ammonia, Aqueous
1611263-006E	MW-11_11072016	11/7/2016	1315h	Aqueous	Ion Balance
1611263-006E	MW-11_11072016	11/7/2016	1315h	Aqueous	ICP Metals, Dissolved
1611263-006E	MW-11_11072016	11/7/2016	1315h	Aqueous	ICPMS Metals, Dissolved
1611263-006E	MW-11_11072016	11/7/2016	1315h	Aqueous	Mercury, Drinking Water Dissolved

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American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Set ID: 1611263
Date Received: 11/11/2016 1035h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1611263-007A	MW-12_11082016	11/8/2016 1425h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611263-007B	MW-12_11082016	11/8/2016 1425h	Aqueous	Anions, E300.0
1611263-007B	MW-12_11082016	11/8/2016 1425h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611263-007C	MW-12_11082016	11/8/2016 1425h	Aqueous	Total Dissolved Solids, A2540C
1611263-007D	MW-12_11082016	11/8/2016 1425h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611263-007D	MW-12_11082016	11/8/2016 1425h	Aqueous	Ammonia, Aqueous
1611263-007E	MW-12_11082016	11/8/2016 1425h	Aqueous	Mercury, Drinking Water Dissolved
1611263-007E	MW-12_11082016	11/8/2016 1425h	Aqueous	Ion Balance
1611263-007E	MW-12_11082016	11/8/2016 1425h	Aqueous	ICP Metals, Dissolved
1611263-007E	MW-12_11082016	11/8/2016 1425h	Aqueous	ICPMS Metals, Dissolved
1611263-008A	MW-19_11072016	11/7/2016 1440h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611263-008B	MW-19_11072016	11/7/2016 1440h	Aqueous	Anions, E300.0
1611263-008B	MW-19_11072016	11/7/2016 1440h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611263-008C	MW-19_11072016	11/7/2016 1440h	Aqueous	Total Dissolved Solids, A2540C
1611263-008D	MW-19_11072016	11/7/2016 1440h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611263-008D	MW-19_11072016	11/7/2016 1440h	Aqueous	Ammonia, Aqueous
1611263-008E	MW-19_11072016	11/7/2016 1440h	Aqueous	ICPMS Metals, Dissolved
1611263-008E	MW-19_11072016	11/7/2016 1440h	Aqueous	Mercury, Drinking Water Dissolved
1611263-008E	MW-19_11072016	11/7/2016 1440h	Aqueous	ICP Metals, Dissolved
1611263-008E	MW-19_11072016	11/7/2016 1440h	Aqueous	Ion Balance
1611263-009A	MW-24_11102016	11/10/2016 1030h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611263-009B	MW-24_11102016	11/10/2016 1030h	Aqueous	Anions, E300.0
1611263-009B	MW-24_11102016	11/10/2016 1030h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611263-009C	MW-24_11102016	11/10/2016 1030h	Aqueous	Total Dissolved Solids, A2540C
1611263-009D	MW-24_11102016	11/10/2016 1030h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611263-009D	MW-24_11102016	11/10/2016 1030h	Aqueous	Ammonia, Aqueous
1611263-009E	MW-24_11102016	11/10/2016 1030h	Aqueous	Ion Balance
1611263-009E	MW-24_11102016	11/10/2016 1030h	Aqueous	Mercury, Drinking Water Dissolved
1611263-009E	MW-24_11102016	11/10/2016 1030h	Aqueous	ICP Metals, Dissolved
1611263-009E	MW-24_11102016	11/10/2016 1030h	Aqueous	ICPMS Metals, Dissolved

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ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Set ID: 1611263
Date Received: 11/11/2016 1035h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1611263-010A	MW-26_11092016	11/9/2016	1415h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611263-010B	MW-26_11092016	11/9/2016	1415h	Aqueous	Anions, E300.0
1611263-010B	MW-26_11092016	11/9/2016	1415h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611263-010C	MW-26_11092016	11/9/2016	1415h	Aqueous	Total Dissolved Solids, A2540C
1611263-010D	MW-26_11092016	11/9/2016	1415h	Aqueous	Ammonia, Aqueous
1611263-010D	MW-26_11092016	11/9/2016	1415h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611263-010E	MW-26_11092016	11/9/2016	1415h	Aqueous	Mercury, Drinking Water Dissolved
1611263-010E	MW-26_11092016	11/9/2016	1415h	Aqueous	ICPMS Metals, Dissolved
1611263-010E	MW-26_11092016	11/9/2016	1415h	Aqueous	Ion Balance
1611263-010E	MW-26_11092016	11/9/2016	1415h	Aqueous	ICP Metals, Dissolved
1611263-011A	MW-29_11082016	11/8/2016	1330h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611263-011B	MW-29_11082016	11/8/2016	1330h	Aqueous	Anions, E300.0
1611263-011B	MW-29_11082016	11/8/2016	1330h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611263-011C	MW-29_11082016	11/8/2016	1330h	Aqueous	Total Dissolved Solids, A2540C
1611263-011D	MW-29_11082016	11/8/2016	1330h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611263-011D	MW-29_11082016	11/8/2016	1330h	Aqueous	Ammonia, Aqueous
1611263-011E	MW-29_11082016	11/8/2016	1330h	Aqueous	Ion Balance
1611263-011E	MW-29_11082016	11/8/2016	1330h	Aqueous	ICP Metals, Dissolved
1611263-011E	MW-29_11082016	11/8/2016	1330h	Aqueous	ICPMS Metals, Dissolved
1611263-011E	MW-29_11082016	11/8/2016	1330h	Aqueous	Mercury, Drinking Water Dissolved
1611263-012A	MW-35_11092016	11/9/2016	1015h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611263-012B	MW-35_11092016	11/9/2016	1015h	Aqueous	Anions, E300.0
1611263-012B	MW-35_11092016	11/9/2016	1015h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611263-012C	MW-35_11092016	11/9/2016	1015h	Aqueous	Total Dissolved Solids, A2540C
1611263-012D	MW-35_11092016	11/9/2016	1015h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611263-012D	MW-35_11092016	11/9/2016	1015h	Aqueous	Ammonia, Aqueous
1611263-012E	MW-35_11092016	11/9/2016	1015h	Aqueous	Ion Balance
1611263-012E	MW-35_11092016	11/9/2016	1015h	Aqueous	ICP Metals, Dissolved
1611263-012E	MW-35_11092016	11/9/2016	1015h	Aqueous	ICPMS Metals, Dissolved
1611263-012E	MW-35_11092016	11/9/2016	1015h	Aqueous	Mercury, Drinking Water Dissolved

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3440 South 700 West
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Phone: (801) 263-8686
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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Set ID: 1611263
Date Received: 11/11/2016 1035h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1611263-013A	MW-36_11092016	11/9/2016	1200h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611263-013B	MW-36_11092016	11/9/2016	1200h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611263-013B	MW-36_11092016	11/9/2016	1200h	Aqueous	Anions, E300.0
1611263-013C	MW-36_11092016	11/9/2016	1200h	Aqueous	Total Dissolved Solids, A2540C
1611263-013D	MW-36_11092016	11/9/2016	1200h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611263-013D	MW-36_11092016	11/9/2016	1200h	Aqueous	Ammonia, Aqueous
1611263-013E	MW-36_11092016	11/9/2016	1200h	Aqueous	Ion Balance
1611263-013E	MW-36_11092016	11/9/2016	1200h	Aqueous	ICP Metals, Dissolved
1611263-013E	MW-36_11092016	11/9/2016	1200h	Aqueous	ICPMS Metals, Dissolved
1611263-013E	MW-36_11092016	11/9/2016	1200h	Aqueous	Mercury, Drinking Water Dissolved
1611263-014A	MW-65_11092016	11/9/2016	1200h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611263-014B	MW-65_11092016	11/9/2016	1200h	Aqueous	Anions, E300.0
1611263-014B	MW-65_11092016	11/9/2016	1200h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611263-014C	MW-65_11092016	11/9/2016	1200h	Aqueous	Total Dissolved Solids, A2540C
1611263-014D	MW-65_11092016	11/9/2016	1200h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611263-014D	MW-65_11092016	11/9/2016	1200h	Aqueous	Ammonia, Aqueous
1611263-014E	MW-65_11092016	11/9/2016	1200h	Aqueous	Ion Balance
1611263-014E	MW-65_11092016	11/9/2016	1200h	Aqueous	ICP Metals, Dissolved
1611263-014E	MW-65_11092016	11/9/2016	1200h	Aqueous	ICPMS Metals, Dissolved
1611263-014E	MW-65_11092016	11/9/2016	1200h	Aqueous	Mercury, Drinking Water Dissolved
1611263-015A	Trip Blank	11/7/2016		Aqueous	VOA by GC/MS Method 8260C/5030C

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Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Groundwater 2016
Lab Set ID:	1611263

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

Sample Receipt Information:

Date of Receipt:	11/11/2016
Date(s) of Collection:	11/7-11/10/2016
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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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:	4th Quarter Groundwater 2016
Lab Set ID:	1611263

Sample Receipt Information:

Date of Receipt:	11/11/2016
Date(s) of Collection:	11/7-11/10/2016
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(s)	QC	Explanation
1611262-001B	Nitrate-Nitrite	MS	Sample matrix interference
1611263-001D	Nitrate-Nitrite	MS/MSD	Sample matrix interference
1611263-001E	Calcium, Sodium	MS/MSD	High analyte concentration
1611263-010E	Calcium, Sodium	MS/MSD	High analyte concentration
1611263-010E	Magnesium	MS	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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3440 South 700 West
Salt Lake City, UT 84119
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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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-46011	Date Analyzed:	11/18/2016 1123h											
Test Code: 200.7-DIS	Date Prepared:	11/14/2016 1200h											
Calcium	9.85	mg/L	E200.7	0.0579	1.00	10.00	0	98.5	85 - 115				
Magnesium	10.2	mg/L	E200.7	0.0495	1.00	10.00	0	102	85 - 115				
Potassium	9.97	mg/L	E200.7	0.121	1.00	10.00	0	99.7	85 - 115				
Sodium	9.71	mg/L	E200.7	0.0125	1.00	10.00	0	97.1	85 - 115				
Vanadium	0.184	mg/L	E200.7	0.000750	0.00500	0.2000	0	91.8	85 - 115				
Lab Sample ID: LCS-46034	Date Analyzed:	11/18/2016 1212h											
Test Code: 200.7-DIS	Date Prepared:	11/15/2016 1158h											
Calcium	9.65	mg/L	E200.7	0.0579	1.00	10.00	0	96.5	85 - 115				
Magnesium	9.94	mg/L	E200.7	0.0495	1.00	10.00	0	99.4	85 - 115				
Potassium	9.73	mg/L	E200.7	0.121	1.00	10.00	0	97.3	85 - 115				
Sodium	9.53	mg/L	E200.7	0.0125	1.00	10.00	0	95.3	85 - 115				
Vanadium	0.182	mg/L	E200.7	0.000750	0.00500	0.2000	0	91.0	85 - 115				
Lab Sample ID: LCS-46013	Date Analyzed:	11/18/2016 1643h											
Test Code: 200.8-DIS	Date Prepared:	11/14/2016 1200h											
Arsenic	0.205	mg/L	E200.8	0.000540	0.00200	0.2000	0	103	85 - 115				
Beryllium	0.200	mg/L	E200.8	0.000177	0.00200	0.2000	0	100	85 - 115				
Cadmium	0.203	mg/L	E200.8	0.0000666	0.000500	0.2000	0	101	85 - 115				
Chromium	0.208	mg/L	E200.8	0.000998	0.00200	0.2000	0	104	85 - 115				
Cobalt	0.204	mg/L	E200.8	0.0000990	0.00400	0.2000	0	102	85 - 115				
Iron	1.03	mg/L	E200.8	0.0274	0.100	1.000	0	103	85 - 115				
Lead	0.200	mg/L	E200.8	0.000125	0.00200	0.2000	0	100	85 - 115				
Manganese	0.211	mg/L	E200.8	0.000560	0.00200	0.2000	0	106	85 - 115				
Molybdenum	0.207	mg/L	E200.8	0.000202	0.00200	0.2000	0	104	85 - 115				
Nickel	0.208	mg/L	E200.8	0.000522	0.00200	0.2000	0	104	85 - 115				
Selenium	0.206	mg/L	E200.8	0.000310	0.00200	0.2000	0	103	85 - 115				
Silver	0.200	mg/L	E200.8	0.000132	0.00200	0.2000	0	99.8	85 - 115				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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-46013**	Date Analyzed:	11/18/2016 1643h											
Test Code:	200.8-DIS	Date Prepared:	11/14/2016 1200h											
Thallium		0.201	mg/L	E200.8	0.0000500	0.00200	0.2000	0	100	85 - 115				
Uranium		0.209	mg/L	E200.8	0.0000710	0.00200	0.2000	0	105	85 - 115				
Zinc		1.01	mg/L	E200.8	0.00452	0.00500	1.000	0	101	85 - 115				
Lab Sample ID:	**LCS-46013**	Date Analyzed:	11/28/2016 1642h											
Test Code:	200.8-DIS	Date Prepared:	11/14/2016 1200h											
Copper		0.197	mg/L	E200.8	0.000862	0.00200	0.2000	0	98.6	85 - 115				
Lab Sample ID:	**LCS-46035**	Date Analyzed:	11/18/2016 1929h											
Test Code:	200.8-DIS	Date Prepared:	11/15/2016 1158h											
Arsenic		0.203	mg/L	E200.8	0.000540	0.00200	0.2000	0	101	85 - 115				
Beryllium		0.199	mg/L	E200.8	0.000177	0.00200	0.2000	0	99.6	85 - 115				
Cadmium		0.200	mg/L	E200.8	0.0000666	0.000500	0.2000	0	100	85 - 115				
Chromium		0.198	mg/L	E200.8	0.000998	0.00200	0.2000	0	98.8	85 - 115				
Cobalt		0.198	mg/L	E200.8	0.0000990	0.00400	0.2000	0	99.1	85 - 115				
Iron		0.997	mg/L	E200.8	0.0274	0.100	1.000	0	99.7	85 - 115				
Lead		0.197	mg/L	E200.8	0.000125	0.00200	0.2000	0	98.6	85 - 115				
Manganese		0.206	mg/L	E200.8	0.000560	0.00200	0.2000	0	103	85 - 115				
Molybdenum		0.204	mg/L	E200.8	0.000202	0.00200	0.2000	0	102	85 - 115				
Nickel		0.197	mg/L	E200.8	0.000522	0.00200	0.2000	0	98.7	85 - 115				
Selenium		0.209	mg/L	E200.8	0.000310	0.00200	0.2000	0	105	85 - 115				
Silver		0.195	mg/L	E200.8	0.000132	0.00200	0.2000	0	97.7	85 - 115				
Thallium		0.198	mg/L	E200.8	0.0000500	0.00200	0.2000	0	98.9	85 - 115				
Uranium		0.206	mg/L	E200.8	0.0000710	0.00200	0.2000	0	103	85 - 115				
Zinc		1.00	mg/L	E200.8	0.00452	0.00500	1.000	0	100	85 - 115				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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-46035**	Date Analyzed:	11/28/2016 1748h											
Test Code:	200.8-DIS	Date Prepared:	11/15/2016 1158h											
Copper		0.199	mg/L	E200.8	0.000862	0.00200	0.2000	0	99.7	85 - 115				
Tin		0.990	mg/L	E200.8	0.000372	0.00200	1.000	0	99.0	85 - 115				
Lab Sample ID:	**LCS-46013**	Date Analyzed:	11/29/2016 1313h											
Test Code:	200.8-DIS	Date Prepared:	11/14/2016 1200h											
Tin		1.02	mg/L	E200.8	0.000372	0.00200	1.000	0	102	85 - 115				
Lab Sample ID:	**LCS-46100**	Date Analyzed:	11/18/2016 1014h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	11/17/2016 1530h											
Mercury		0.00347	mg/L	E245.1	0.00000559	0.000150	0.003330	0	104	85 - 115				

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3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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-46011	Date Analyzed:	11/18/2016 1121h											
Test Code: 200.7-DIS	Date Prepared:	11/14/2016 1200h											
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-46034	Date Analyzed:	11/18/2016 1209h											
Test Code: 200.7-DIS	Date Prepared:	11/15/2016 1158h											
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-46013	Date Analyzed:	11/18/2016 1640h											
Test Code: 200.8-DIS	Date Prepared:	11/14/2016 1200h											
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								
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								
Zinc	< 0.00500	mg/L	E200.8	0.00452	0.00500								

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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-46013**	Date Analyzed:	11/18/2016 1804h											
Test Code:	200.8-DIS	Date Prepared:	11/14/2016 1200h											
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								
Lab Sample ID:	**MB-46013**	Date Analyzed:	11/18/2016 1845h											
Test Code:	200.8-DIS	Date Prepared:	11/14/2016 1200h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								
Lab Sample ID:	**MB-46013**	Date Analyzed:	11/28/2016 1639h											
Test Code:	200.8-DIS	Date Prepared:	11/14/2016 1200h											
Copper		< 0.00200	mg/L	E200.8	0.000862	0.00200								
Lab Sample ID:	**MB-46035**	Date Analyzed:	11/18/2016 1926h											
Test Code:	200.8-DIS	Date Prepared:	11/15/2016 1158h											
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								
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								
Zinc		< 0.00500	mg/L	E200.8	0.00452	0.00500								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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-46035**	Date Analyzed:	11/18/2016 2010h											
Test Code:	200.8-DIS	Date Prepared:	11/15/2016 1158h											
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								
Lab Sample ID:	**MB-46035**	Date Analyzed:	11/18/2016 2038h											
Test Code:	200.8-DIS	Date Prepared:	11/15/2016 1158h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								
Lab Sample ID:	**MB-46035**	Date Analyzed:	11/28/2016 1745h											
Test Code:	200.8-DIS	Date Prepared:	11/15/2016 1158h											
Copper		< 0.00200	mg/L	E200.8	0.000862	0.00200								
Tin		< 0.00200	mg/L	E200.8	0.000372	0.00200								
Lab Sample ID:	**MB-46013**	Date Analyzed:	11/29/2016 1309h											
Test Code:	200.8-DIS	Date Prepared:	11/14/2016 1200h											
Tin		< 0.00200	mg/L	E200.8	0.000372	0.00200								
Lab Sample ID:	**MB-46100**	Date Analyzed:	11/18/2016 1012h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	11/17/2016 1530h											
Mercury		< 0.000150	mg/L	E245.1	0.00000559	0.000150								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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:	**1611263-001EMS**	Date Analyzed:	11/18/2016 1129h											
Test Code:	200.7-DIS	Date Prepared:	11/14/2016 1200h											
Calcium		188	mg/L	E200.7	0.579	10.0	10.00	182	56.5	70 - 130				2
Magnesium		74.5	mg/L	E200.7	0.495	10.0	10.00	65.3	92.4	70 - 130				
Sodium		162	mg/L	E200.7	0.125	10.0	10.00	158	47.3	70 - 130				2
Lab Sample ID:	**1611263-001EMS**	Date Analyzed:	11/18/2016 1412h											
Test Code:	200.7-DIS	Date Prepared:	11/14/2016 1200h											
Potassium		17.2	mg/L	E200.7	0.121	1.00	10.00	6.94	103	70 - 130				
Vanadium		0.183	mg/L	E200.7	0.000750	0.00500	0.2000	0	91.6	70 - 130				
Lab Sample ID:	**1611263-010EMS**	Date Analyzed:	11/18/2016 1220h											
Test Code:	200.7-DIS	Date Prepared:	11/15/2016 1158h											
Calcium		456	mg/L	E200.7	1.16	20.0	10.00	452	40.0	70 - 130				2
Magnesium		160	mg/L	E200.7	0.990	20.0	10.00	154	60.0	70 - 130				2
Sodium		197	mg/L	E200.7	0.250	20.0	10.00	191	60.0	70 - 130				2
Lab Sample ID:	**1611263-010EMS**	Date Analyzed:	11/18/2016 1443h											
Test Code:	200.7-DIS	Date Prepared:	11/15/2016 1158h											
Potassium		21.7	mg/L	E200.7	0.121	1.00	10.00	11	107	70 - 130				
Vanadium		0.178	mg/L	E200.7	0.000750	0.00500	0.2000	0	89.0	70 - 130				
Lab Sample ID:	**1611263-001EMS**	Date Analyzed:	11/18/2016 1711h											
Test Code:	200.8-DIS	Date Prepared:	11/14/2016 1200h											
Arsenic		0.213	mg/L	E200.8	0.000540	0.00200	0.2000	0	106	75 - 125				
Beryllium		0.196	mg/L	E200.8	0.000177	0.00200	0.2000	0	98.2	75 - 125				
Cadmium		0.199	mg/L	E200.8	0.0000666	0.000500	0.2000	0	99.6	75 - 125				
Chromium		0.201	mg/L	E200.8	0.000998	0.00200	0.2000	0	100	75 - 125				
Cobalt		0.200	mg/L	E200.8	0.0000990	0.00400	0.2000	0	100	75 - 125				
Iron		1.22	mg/L	E200.8	0.0274	0.100	1.000	0.215	100	75 - 125				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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:	**1611263-001EMS**	Date Analyzed:	11/18/2016 1711h											
Test Code:	200.8-DIS	Date Prepared:	11/14/2016 1200h											
Lead		0.195	mg/L	E200.8	0.000125	0.00200	0.2000	0	97.3	75 - 125				
Molybdenum		0.213	mg/L	E200.8	0.000202	0.00200	0.2000	0.00097	106	75 - 125				
Nickel		0.200	mg/L	E200.8	0.000522	0.00200	0.2000	0	100	75 - 125				
Selenium		0.209	mg/L	E200.8	0.000310	0.00200	0.2000	0	104	75 - 125				
Silver		0.190	mg/L	E200.8	0.000132	0.00200	0.2000	0	95.0	75 - 125				
Thallium		0.195	mg/L	E200.8	0.0000500	0.00200	0.2000	0	97.5	75 - 125				
Uranium		0.209	mg/L	E200.8	0.0000710	0.00200	0.2000	0.00044	104	75 - 125				
Lab Sample ID:	**1611263-001EMS**	Date Analyzed:	11/28/2016 1649h											
Test Code:	200.8-DIS	Date Prepared:	11/14/2016 1200h											
Copper		0.191	mg/L	E200.8	0.000862	0.00200	0.2000	0	95.4	75 - 125				
Manganese		0.245	mg/L	E200.8	0.000560	0.00200	0.2000	0.0518	96.4	75 - 125				
Zinc		0.979	mg/L	E200.8	0.00452	0.00500	1.000	0	97.9	75 - 125				
Lab Sample ID:	**1611263-010EMS**	Date Analyzed:	11/18/2016 1941h											
Test Code:	200.8-DIS	Date Prepared:	11/15/2016 1158h											
Arsenic		0.209	mg/L	E200.8	0.000540	0.00200	0.2000	0	104	75 - 125				
Beryllium		0.186	mg/L	E200.8	0.000177	0.00200	0.2000	0	93.2	75 - 125				
Cadmium		0.192	mg/L	E200.8	0.0000666	0.000500	0.2000	0.000227	96.1	75 - 125				
Chromium		0.191	mg/L	E200.8	0.000998	0.00200	0.2000	0	95.7	75 - 125				
Cobalt		0.189	mg/L	E200.8	0.0000990	0.00400	0.2000	0.000502	94.1	75 - 125				
Iron		1.74	mg/L	E200.8	0.0274	0.100	1.000	0.77	96.8	75 - 125				
Lead		0.186	mg/L	E200.8	0.000125	0.00200	0.2000	0	92.8	75 - 125				
Manganese		0.917	mg/L	E200.8	0.000560	0.00200	0.2000	0.72	98.7	75 - 125				
Molybdenum		0.210	mg/L	E200.8	0.000202	0.00200	0.2000	0.00197	104	75 - 125				
Nickel		0.191	mg/L	E200.8	0.000522	0.00200	0.2000	0.00288	94.2	75 - 125				
Selenium		0.205	mg/L	E200.8	0.000310	0.00200	0.2000	0.00461	100	75 - 125				
Silver		0.186	mg/L	E200.8	0.000132	0.00200	0.2000	0	93.1	75 - 125				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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:	**1611263-010EMS**	Date Analyzed:	11/18/2016 1941h											
Test Code:	200.8-DIS	Date Prepared:	11/15/2016 1158h											
Thallium		0.188	mg/L	E200.8	0.0000500	0.00200	0.2000	0.000148	93.7	75 - 125				
Uranium		0.231	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0302	100	75 - 125				
Zinc		0.935	mg/L	E200.8	0.00452	0.00500	1.000	0	93.5	75 - 125				
Lab Sample ID:	**1611263-010EMS**	Date Analyzed:	11/28/2016 1754h											
Test Code:	200.8-DIS	Date Prepared:	11/15/2016 1158h											
Copper		0.187	mg/L	E200.8	0.000862	0.00200	0.2000	0	93.3	75 - 125				
Tin		1.00	mg/L	E200.8	0.000372	0.00200	1.000	0.000701	99.9	75 - 125				
Lab Sample ID:	**1611263-001EMS**	Date Analyzed:	11/29/2016 1319h											
Test Code:	200.8-DIS	Date Prepared:	11/14/2016 1200h											
Tin		1.06	mg/L	E200.8	0.000372	0.00200	1.000	0.000619	106	75 - 125				
Lab Sample ID:	**1611263-001EMS**	Date Analyzed:	11/18/2016 1021h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	11/17/2016 1530h											
Mercury		0.00364	mg/L	E245.1	0.00000559	0.000150	0.003330	0	109	85 - 115				

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

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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:	**1611263-001EMSD**	Date Analyzed:	11/18/2016 1131h											
Test Code:	200.7-DIS	Date Prepared:	11/14/2016 1200h											
Calcium		189	mg/L	E200.7	0.579	10.0	10.00	182	68.3	70 - 130	188	0.624	20	2
Magnesium		74.2	mg/L	E200.7	0.495	10.0	10.00	65.3	88.7	70 - 130	74.5	0.502	20	
Sodium		163	mg/L	E200.7	0.125	10.0	10.00	158	57.4	70 - 130	162	0.618	20	2
Lab Sample ID:	**1611263-001EMSD**	Date Analyzed:	11/18/2016 1414h											
Test Code:	200.7-DIS	Date Prepared:	11/14/2016 1200h											
Potassium		17.4	mg/L	E200.7	0.121	1.00	10.00	6.94	105	70 - 130	17.2	1.17	20	
Vanadium		0.182	mg/L	E200.7	0.000750	0.00500	0.2000	0	91.2	70 - 130	0.183	0.491	20	
Lab Sample ID:	**1611263-010EMSD**	Date Analyzed:	11/18/2016 1222h											
Test Code:	200.7-DIS	Date Prepared:	11/15/2016 1158h											
Calcium		455	mg/L	E200.7	1.16	20.0	10.00	452	30.0	70 - 130	456	0.220	20	2
Magnesium		161	mg/L	E200.7	0.990	20.0	10.00	154	70.0	70 - 130	160	0.623	20	
Sodium		197	mg/L	E200.7	0.250	20.0	10.00	191	60.0	70 - 130	197	0	20	2
Lab Sample ID:	**1611263-010EMSD**	Date Analyzed:	11/18/2016 1445h											
Test Code:	200.7-DIS	Date Prepared:	11/15/2016 1158h											
Potassium		22.0	mg/L	E200.7	0.121	1.00	10.00	11	110	70 - 130	21.7	1.37	20	
Vanadium		0.183	mg/L	E200.7	0.000750	0.00500	0.2000	0	91.5	70 - 130	0.178	2.77	20	
Lab Sample ID:	**1611263-001EMSD**	Date Analyzed:	11/18/2016 1714h											
Test Code:	200.8-DIS	Date Prepared:	11/14/2016 1200h											
Arsenic		0.215	mg/L	E200.8	0.000540	0.00200	0.2000	0	108	75 - 125	0.213	1.06	20	
Beryllium		0.197	mg/L	E200.8	0.000177	0.00200	0.2000	0	98.5	75 - 125	0.196	0.213	20	
Cadmium		0.201	mg/L	E200.8	0.0000666	0.000500	0.2000	0	100	75 - 125	0.199	0.740	20	
Chromium		0.200	mg/L	E200.8	0.000998	0.00200	0.2000	0	99.9	75 - 125	0.201	0.589	20	
Cobalt		0.198	mg/L	E200.8	0.0000990	0.00400	0.2000	0	99.0	75 - 125	0.2	1.03	20	
Iron		1.21	mg/L	E200.8	0.0274	0.100	1.000	0.215	100	75 - 125	1.22	0.416	20	

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3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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:	**1611263-001EMSD**	Date Analyzed:	11/18/2016 1714h											
Test Code:	200.8-DIS	Date Prepared:	11/14/2016 1200h											
Lead		0.193	mg/L	E200.8	0.000125	0.00200	0.2000	0	96.6	75 - 125	0.195	0.655	20	
Molybdenum		0.213	mg/L	E200.8	0.000202	0.00200	0.2000	0.00097	106	75 - 125	0.213	0.240	20	
Nickel		0.198	mg/L	E200.8	0.000522	0.00200	0.2000	0	99.1	75 - 125	0.2	0.881	20	
Selenium		0.208	mg/L	E200.8	0.000310	0.00200	0.2000	0	104	75 - 125	0.209	0.239	20	
Silver		0.189	mg/L	E200.8	0.000132	0.00200	0.2000	0	94.4	75 - 125	0.19	0.684	20	
Thallium		0.195	mg/L	E200.8	0.0000500	0.00200	0.2000	0	97.7	75 - 125	0.195	0.137	20	
Uranium		0.208	mg/L	E200.8	0.0000710	0.00200	0.2000	0.00044	104	75 - 125	0.209	0.540	20	
Lab Sample ID:	**1611263-001EMSD**	Date Analyzed:	11/28/2016 1652h											
Test Code:	200.8-DIS	Date Prepared:	11/14/2016 1200h											
Copper		0.193	mg/L	E200.8	0.000862	0.00200	0.2000	0	96.3	75 - 125	0.191	0.895	20	
Manganese		0.245	mg/L	E200.8	0.000560	0.00200	0.2000	0.0518	96.7	75 - 125	0.245	0.264	20	
Zinc		0.986	mg/L	E200.8	0.00452	0.00500	1.000	0	98.6	75 - 125	0.979	0.739	20	
Lab Sample ID:	**1611263-010EMSD**	Date Analyzed:	11/18/2016 1945h											
Test Code:	200.8-DIS	Date Prepared:	11/15/2016 1158h											
Arsenic		0.214	mg/L	E200.8	0.000540	0.00200	0.2000	0	107	75 - 125	0.209	2.43	20	
Beryllium		0.193	mg/L	E200.8	0.000177	0.00200	0.2000	0	96.6	75 - 125	0.186	3.55	20	
Cadmium		0.197	mg/L	E200.8	0.0000666	0.000500	0.2000	0.000227	98.5	75 - 125	0.192	2.51	20	
Chromium		0.197	mg/L	E200.8	0.000998	0.00200	0.2000	0	98.6	75 - 125	0.191	3.04	20	
Cobalt		0.194	mg/L	E200.8	0.0000990	0.00400	0.2000	0.000502	96.9	75 - 125	0.189	2.93	20	
Iron		1.76	mg/L	E200.8	0.0274	0.100	1.000	0.77	99.4	75 - 125	1.74	1.47	20	
Lead		0.190	mg/L	E200.8	0.000125	0.00200	0.2000	0	95.2	75 - 125	0.186	2.55	20	
Manganese		0.921	mg/L	E200.8	0.000560	0.00200	0.2000	0.72	101	75 - 125	0.917	0.438	20	
Molybdenum		0.215	mg/L	E200.8	0.000202	0.00200	0.2000	0.00197	107	75 - 125	0.21	2.34	20	
Nickel		0.197	mg/L	E200.8	0.000522	0.00200	0.2000	0.00288	97.3	75 - 125	0.191	3.24	20	
Selenium		0.211	mg/L	E200.8	0.000310	0.00200	0.2000	0.00461	103	75 - 125	0.205	2.60	20	
Silver		0.190	mg/L	E200.8	0.000132	0.00200	0.2000	0	95.1	75 - 125	0.186	2.16	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: 1611263
Project: 4th 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:	**1611263-010EMSD**	Date Analyzed:	11/18/2016 1945h											
Test Code:	200.8-DIS	Date Prepared:	11/15/2016 1158h											
Thallium		0.194	mg/L	E200.8	0.0000500	0.00200	0.2000	0.000148	96.9	75 - 125	0.188	3.32	20	
Uranium		0.237	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0302	104	75 - 125	0.231	2.62	20	
Zinc		0.960	mg/L	E200.8	0.00452	0.00500	1.000	0	96.0	75 - 125	0.935	2.62	20	
Lab Sample ID:	**1611263-010EMSD**	Date Analyzed:	11/28/2016 1757h											
Test Code:	200.8-DIS	Date Prepared:	11/15/2016 1158h											
Copper		0.193	mg/L	E200.8	0.000862	0.00200	0.2000	0	96.3	75 - 125	0.187	3.20	20	
Tin		1.03	mg/L	E200.8	0.000372	0.00200	1.000	0.000701	103	75 - 125	1	2.55	20	
Lab Sample ID:	**1611263-001EMSD**	Date Analyzed:	11/29/2016 1322h											
Test Code:	200.8-DIS	Date Prepared:	11/14/2016 1200h											
Tin		1.07	mg/L	E200.8	0.000372	0.00200	1.000	0.000619	107	75 - 125	1.06	1.14	20	
Lab Sample ID:	**1611263-001EMSD**	Date Analyzed:	11/18/2016 1023h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	11/17/2016 1530h											
Mercury		0.00342	mg/L	E245.1	0.00000559	0.000150	0.003330	0	103	85 - 115	0.00364	6.13	20	

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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: 1611263-001CDUP Date Analyzed: 11/11/2016 1620h Test Code: TDS-W-2540C													
Total Dissolved Solids	1,440	mg/L	SM2540C	17.5	20.0					1400	2.81	5	
Lab Sample ID: 1611263-011CDUP Date Analyzed: 11/11/2016 1620h Test Code: TDS-W-2540C													
Total Dissolved Solids	4,180	mg/L	SM2540C	17.5	20.0					4090	2.32	5	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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-R96062 Date Analyzed: 11/21/2016 1124h													
Test Code: 300.0-W													
Chloride	5.34	mg/L	E300.0	0.00516	0.100	5.000	0	107	90 - 110				
Fluoride	5.11	mg/L	E300.0	0.0139	0.100	5.000	0	102	90 - 110				
Sulfate	5.30	mg/L	E300.0	0.0201	0.750	5.000	0	106	90 - 110				
Lab Sample ID: LCS-R95798 Date Analyzed: 11/14/2016 1006h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	51,000	mg/L	SM2320B	0.504	1.00	50,000	0	102	90 - 110				
Lab Sample ID: LCS-46088 Date Analyzed: 11/17/2016 1459h													
Test Code: NH3-W-350.1 Date Prepared: 11/17/2016 1220h													
Ammonia (as N)	10.6	mg/L	E350.1	0.0185	0.0500	10.00	0	106	90 - 110				
Lab Sample ID: LCS-46091 Date Analyzed: 11/17/2016 1532h													
Test Code: NH3-W-350.1 Date Prepared: 11/17/2016 1350h													
Ammonia (as N)	10.7	mg/L	E350.1	0.0185	0.0500	10.00	0	107	90 - 110				
Lab Sample ID: LCS-R95979 Date Analyzed: 11/17/2016 1731h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.999	mg/L	E353.2	0.00833	0.0100	1.000	0	99.9	90 - 110				
Lab Sample ID: LCS-R95816 Date Analyzed: 11/11/2016 1620h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	198	mg/L	SM2540C	8.77	10.0	205.0	0	96.6	80 - 120				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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-R96062 Date Analyzed: 11/21/2016 1108h													
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-R95798 Date Analyzed: 11/14/2016 1006h													
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-46088 Date Analyzed: 11/17/2016 1459h													
Test Code: NH3-W-350.1 Date Prepared: 11/17/2016 1220h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-46091 Date Analyzed: 11/17/2016 1531h													
Test Code: NH3-W-350.1 Date Prepared: 11/17/2016 1350h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-R95979 Date Analyzed: 11/17/2016 1730h													
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-R95816 Date Analyzed: 11/11/2016 1620h													
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: 1611263
Project: 4th 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: 1611263-002BMS Date Analyzed: 11/21/2016 1344h													
Test Code: 300.0-W													
Chloride	10,800	mg/L	E300.0	10.3	200	10,000	6.98	108	90 - 110				
Fluoride	10,600	mg/L	E300.0	27.8	200	10,000	0	106	90 - 110				
Sulfate	12,100	mg/L	E300.0	40.2	1,500	10,000	1710	104	90 - 110				
Lab Sample ID: 1611263-014BMS Date Analyzed: 11/22/2016 238h													
Test Code: 300.0-W													
Chloride	9,910	mg/L	E300.0	10.3	200	10,000	56	98.6	90 - 110				
Fluoride	9,720	mg/L	E300.0	27.8	200	10,000	0	97.2	90 - 110				
Sulfate	11,900	mg/L	E300.0	40.2	1,500	10,000	2260	96.2	90 - 110				
Lab Sample ID: 1611263-001BMS Date Analyzed: 11/14/2016 1006h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	287	mg/L	SM2320B	0.504	1.00	50.00	238	98.4	80 - 120				
Lab Sample ID: 1611263-011BMS Date Analyzed: 11/14/2016 1006h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	353	mg/L	SM2320B	0.504	1.00	50.00	304	96.6	80 - 120				
Lab Sample ID: 1611257-001JMS Date Analyzed: 11/17/2016 1517h													
Test Code: NH3-W-350.1 Date Prepared: 11/17/2016 1220h													
Ammonia (as N)	13.4	mg/L	E350.1	0.0206	0.0556	11.11	1.66	105	90 - 110				
Lab Sample ID: 1611263-001DMS Date Analyzed: 11/17/2016 1534h													
Test Code: NH3-W-350.1 Date Prepared: 11/17/2016 1350h													
Ammonia (as N)	11.8	mg/L	E350.1	0.0206	0.0556	11.11	0	106	90 - 110				
Lab Sample ID: 1611262-001BMS Date Analyzed: 11/17/2016 1736h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.1	mg/L	E353.2	0.0833	0.100	10.00	0	111	90 - 110				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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: 1611263-001DMS Date Analyzed: 11/17/2016 1743h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.5	mg/L	E353.2	0.0833	0.100	10.00	0.0847	114	90 - 110				'

' - 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: 1611263
Project: 4th 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: 1611263-002BMSD Date Analyzed: 11/21/2016 1401h													
Test Code: 300.0-W													
Chloride	10,800	mg/L	E300.0	10.3	200	10,000	6.98	108	90 - 110	10800	0.162	20	
Fluoride	10,600	mg/L	E300.0	27.8	200	10,000	0	106	90 - 110	10600	0.708	20	
Sulfate	12,000	mg/L	E300.0	40.2	1,500	10,000	1710	103	90 - 110	12100	0.968	20	
Lab Sample ID: 1611263-014BMSD Date Analyzed: 11/22/2016 255h													
Test Code: 300.0-W													
Chloride	9,770	mg/L	E300.0	10.3	200	10,000	56	97.2	90 - 110	9910	1.42	20	
Fluoride	9,670	mg/L	E300.0	27.8	200	10,000	0	96.7	90 - 110	9720	0.527	20	
Sulfate	11,800	mg/L	E300.0	40.2	1,500	10,000	2260	95.2	90 - 110	11900	0.850	20	
Lab Sample ID: 1611263-001BMSD Date Analyzed: 11/14/2016 1006h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	287	mg/L	SM2320B	0.504	1.00	50.00	238	98.4	80 - 120	287	0	10	
Lab Sample ID: 1611263-011BMSD Date Analyzed: 11/14/2016 1006h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	354	mg/L	SM2320B	0.504	1.00	50.00	304	98.4	80 - 120	353	0.255	10	
Lab Sample ID: 1611257-001JMSD Date Analyzed: 11/17/2016 1517h													
Test Code: NH3-W-350.1 Date Prepared: 11/17/2016 1220h													
Ammonia (as N)	12.9	mg/L	E350.1	0.0206	0.0556	11.11	1.66	101	90 - 110	13.4	3.81	10	
Lab Sample ID: 1611263-001DMSD Date Analyzed: 11/17/2016 1536h													
Test Code: NH3-W-350.1 Date Prepared: 11/17/2016 1350h													
Ammonia (as N)	10.9	mg/L	E350.1	0.0206	0.0556	11.11	0	98.0	90 - 110	11.8	7.80	10	
Lab Sample ID: 1611262-001BMSD Date Analyzed: 11/17/2016 1737h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	10.6	mg/L	E353.2	0.0833	0.100	10.00	0	106	90 - 110	11.1	4.33	10	

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American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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: 1611263-001DMSD Date Analyzed: 11/17/2016 1744h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	12.2	mg/L	E353.2	0.0833	0.100	10.00	0.0847	121	90 - 110	11.5	5.24	10	1

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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-2 111416A Date Analyzed: 11/14/2016 1031h													
Test Code: 8260-W-DEN100													
Benzene	19.5	µg/L	SW8260C	0.270	1.00	20.00	0	97.7	82 - 132				
Chloroform	21.5	µg/L	SW8260C	0.153	1.00	20.00	0	108	85 - 124				
Methylene chloride	18.4	µg/L	SW8260C	0.172	1.00	20.00	0	91.9	71 - 135				
Naphthalene	17.9	µg/L	SW8260C	0.587	1.00	20.00	0	89.4	63 - 129				
Tetrahydrofuran	13.5	µg/L	SW8260C	0.516	1.00	20.00	0	67.6	59 - 120				
Toluene	20.9	µg/L	SW8260C	0.183	1.00	20.00	0	104	78 - 130				
Xylenes, Total	64.0	µg/L	SW8260C	0.857	1.00	60.00	0	107	70 - 138				
Surr: 1,2-Dichloroethane-d4	53.0	µg/L	SW8260C			50.00		106	80 - 122				
Surr: 4-Bromofluorobenzene	51.0	µg/L	SW8260C			50.00		102	85 - 121				
Surr: Dibromofluoromethane	55.8	µg/L	SW8260C			50.00		112	80 - 116				
Surr: Toluene-d8	53.0	µg/L	SW8260C			50.00		106	81 - 123				
Lab Sample ID: LCS VOC-2 111716A Date Analyzed: 11/17/2016 719h													
Test Code: 8260-W-DEN100													
Chloroform	21.8	µg/L	SW8260C	0.153	1.00	20.00	0	109	85 - 124				
Surr: 1,2-Dichloroethane-d4	59.0	µg/L	SW8260C			50.00		118	80 - 122				
Surr: 4-Bromofluorobenzene	50.9	µg/L	SW8260C			50.00		102	85 - 121				
Surr: Dibromofluoromethane	55.2	µg/L	SW8260C			50.00		110	80 - 116				
Surr: Toluene-d8	50.8	µg/L	SW8260C			50.00		102	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: 1611263
Project: 4th 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-2 111416A Date Analyzed: 11/14/2016 1110h													
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	51.2	µg/L	SW8260C			50.00		102	80 - 122				
Surr: 4-Bromofluorobenzene	50.9	µg/L	SW8260C			50.00		102	85 - 121				
Surr: Dibromofluoromethane	51.6	µg/L	SW8260C			50.00		103	80 - 116				
Surr: Toluene-d8	50.8	µg/L	SW8260C			50.00		102	81 - 123				
Lab Sample ID: MB VOC-2 111716A Date Analyzed: 11/17/2016 758h													
Test Code: 8260-W-DEN100													
Chloroform	< 1.00	µg/L	SW8260C	0.153	1.00								
Surr: 1,2-Dichloroethane-d4	55.7	µg/L	SW8260C			50.00		111	80 - 122				
Surr: 4-Bromofluorobenzene	47.9	µg/L	SW8260C			50.00		95.7	85 - 121				
Surr: Dibromofluoromethane	54.1	µg/L	SW8260C			50.00		108	80 - 116				
Surr: Toluene-d8	49.2	µg/L	SW8260C			50.00		98.5	81 - 123				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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: 1611263-001AMS Date Analyzed: 11/14/2016 1308h													
Test Code: 8260-W-DEN100													
Benzene	20.1	µg/L	SW8260C	0.270	1.00	20.00	0	101	66 - 145				
Chloroform	20.0	µg/L	SW8260C	0.153	1.00	20.00	0	99.8	50 - 146				
Methylene chloride	19.1	µg/L	SW8260C	0.172	1.00	20.00	0	95.4	30 - 192				
Naphthalene	17.2	µg/L	SW8260C	0.587	1.00	20.00	0	85.9	41 - 131				
Tetrahydrofuran	17.6	µg/L	SW8260C	0.516	1.00	20.00	1.72	79.3	43 - 146				
Toluene	20.7	µg/L	SW8260C	0.183	1.00	20.00	0	104	18 - 192				
Xylenes, Total	61.0	µg/L	SW8260C	0.857	1.00	60.00	0	102	42 - 167				
Surr: 1,2-Dichloroethane-d4	52.1	µg/L	SW8260C			50.00		104	72 - 151				
Surr: 4-Bromofluorobenzene	48.4	µg/L	SW8260C			50.00		96.8	80 - 152				
Surr: Dibromofluoromethane	51.6	µg/L	SW8260C			50.00		103	80 - 124				
Surr: Toluene-d8	51.9	µg/L	SW8260C			50.00		104	77 - 129				
Lab Sample ID: 1611263-010AMS Date Analyzed: 11/17/2016 837h													
Test Code: 8260-W-DEN100													
Chloroform	4,230	µg/L	SW8260C	15.3	100	2,000	2440	89.6	50 - 146				
Surr: 1,2-Dichloroethane-d4	5,400	µg/L	SW8260C			5,000		108	72 - 151				
Surr: 4-Bromofluorobenzene	5,040	µg/L	SW8260C			5,000		101	80 - 152				
Surr: Dibromofluoromethane	5,170	µg/L	SW8260C			5,000		103	80 - 124				
Surr: Toluene-d8	4,680	µg/L	SW8260C			5,000		93.5	77 - 129				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611263
Project: 4th 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: 1611263-001AMSD Date Analyzed: 11/14/2016 1328h													
Test Code: 8260-W-DEN100													
Benzene	19.6	µg/L	SW8260C	0.270	1.00	20.00	0	97.9	66 - 145	20.1	2.77	25	
Chloroform	19.5	µg/L	SW8260C	0.153	1.00	20.00	0	97.6	50 - 146	20	2.23	25	
Methylene chloride	18.8	µg/L	SW8260C	0.172	1.00	20.00	0	94.2	30 - 192	19.1	1.32	25	
Naphthalene	17.7	µg/L	SW8260C	0.587	1.00	20.00	0	88.5	41 - 131	17.2	2.98	25	
Tetrahydrofuran	16.6	µg/L	SW8260C	0.516	1.00	20.00	1.72	74.6	43 - 146	17.6	5.49	25	
Toluene	20.0	µg/L	SW8260C	0.183	1.00	20.00	0	99.8	18 - 192	20.7	3.69	25	
Xylenes, Total	58.6	µg/L	SW8260C	0.857	1.00	60.00	0	97.7	42 - 167	61	3.98	25	
Surr: 1,2-Dichloroethane-d4	52.8	µg/L	SW8260C			50.00		106	72 - 151				
Surr: 4-Bromofluorobenzene	49.6	µg/L	SW8260C			50.00		99.1	80 - 152				
Surr: Dibromofluoromethane	51.3	µg/L	SW8260C			50.00		103	80 - 124				
Surr: Toluene-d8	50.7	µg/L	SW8260C			50.00		101	77 - 129				
Lab Sample ID: 1611263-010AMSD Date Analyzed: 11/17/2016 857h													
Test Code: 8260-W-DEN100													
Chloroform	4,280	µg/L	SW8260C	15.3	100	2,000	2440	92.0	50 - 146	4230	1.15	25	
Surr: 1,2-Dichloroethane-d4	5,600	µg/L	SW8260C			5,000		112	72 - 151				
Surr: 4-Bromofluorobenzene	4,840	µg/L	SW8260C			5,000		96.8	80 - 152				
Surr: Dibromofluoromethane	5,470	µg/L	SW8260C			5,000		109	80 - 124				
Surr: Toluene-d8	4,930	µg/L	SW8260C			5,000		98.6	77 - 129				

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UL
Denison

WORK ORDER Summary

Work Order: **1611263**

Client: Energy Fuels Resources, Inc. Due Date: 11/29/2016

Client ID: DEN100 **Contact:** Garrin Palmer

Project: 4th 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	
1611263-001A	**MW-01_11082016**	11/8/2016 1020h	11/11/2016 1035h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611263-001B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1611263-001C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1611263-001D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611263-001E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611263-002A	**MW-02_11082016**	11/8/2016 1135h	11/11/2016 1035h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611263-002B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				

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WORK ORDER Summary

Work Order: **1611263**

Client: Energy Fuels Resources, Inc. Due Date: 11/29/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611263-002C	**MW-02_11082016**	11/8/2016 1135h	11/11/2016 1035h	**TDS-W-2540C**	Aqueous		ww - tds	1
				1 SEL Analytes: TDS				
1611263-002D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611263-002E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611263-003A	**MW-03_11082016**	11/8/2016 0850h	11/11/2016 1035h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611263-003B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1611263-003C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1611263-003D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611263-003E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	

WORK ORDER Summary

Work Order: **1611263**

Client: Energy Fuels Resources, Inc. Due Date: 11/29/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611263-003E	**MW-03_11082016**	11/8/2016 0850h	11/11/2016 1035h	**HG-DW-DIS-245.1**	Aqueous		df-met	1
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611263-004A	**MW-03A_11082016**	11/8/2016 0805h	11/11/2016 1035h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611263-004B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1611263-004C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1611263-004D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611263-004E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611263-005A	**MW-05_11092016**	11/9/2016 1100h	11/11/2016 1035h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611263-005B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1611263-005C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				

WORK ORDER Summary

Work Order: **1611263**

Client: Energy Fuels Resources, Inc. Due Date: 11/29/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611263-005D	**MW-05_11092016**	11/9/2016 1100h	11/11/2016 1035h	**NH3-W-350.1**	Aqueous		df - no2/no3 & nh3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611263-005E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611263-006A	**MW-11_11072016**	11/7/2016 1315h	11/11/2016 1035h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611263-006B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1611263-006C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1611263-006D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611263-006E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				

WORK ORDER Summary

Work Order: **1611263**

Client: Energy Fuels Resources, Inc. Due Date: 11/29/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611263-006E	**MW-11_11072016**	11/7/2016 1315h	11/11/2016 1035h	**HG-DW-DIS-PR**	Aqueous		df-met	1
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611263-007A	**MW-12_11082016**	11/8/2016 1425h	11/11/2016 1035h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611263-007B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1611263-007C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1611263-007D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611263-007E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611263-008A	**MW-19_11072016**	11/7/2016 1440h	11/11/2016 1035h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611263-008B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1611263-008C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1611263-008D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				

WORK ORDER Summary

Work Order: **1611263**

Client: Energy Fuels Resources, Inc. Due Date: 11/29/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611263-008D	**MW-19_11072016**	11/7/2016 1440h	11/11/2016 1035h	**NH3-W-PR**	Aqueous		df - no2/no3 & nh3	1
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611263-008E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611263-009A	**MW-24_11102016**	11/10/2016 1030h	11/11/2016 1035h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611263-009B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1611263-009C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1611263-009D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611263-009E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	

WORK ORDER Summary

Work Order: **1611263**

Client: Energy Fuels Resources, Inc. Due Date: 11/29/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611263-009E	**MW-24_11102016**	11/10/2016 1030h	11/11/2016 1035h	**IONBALANCE**	Aqueous		df-met	1
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611263-010A	**MW-26_11092016**	11/9/2016 1415h	11/11/2016 1035h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611263-010B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1611263-010C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1611263-010D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611263-010E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611263-011A	**MW-29_11082016**	11/8/2016 1330h	11/11/2016 1035h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611263-011B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1611263-011C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1611263-011D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	

WORK ORDER Summary

Work Order: **1611263**

Client: Energy Fuels Resources, Inc. Due Date: 11/29/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611263-011D	**MW-29_11082016**	11/8/2016 1330h	11/11/2016 1035h	**NO2/NO3-W-353.2**	Aqueous		df - no2/no3 & nh3	1
				1 SEL Analytes: NO3NO2N				
1611263-011E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611263-012A	**MW-35_11092016**	11/9/2016 1015h	11/11/2016 1035h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611263-012B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1611263-012C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1611263-012D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611263-012E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				

WORK ORDER Summary

Work Order: **1611263**

Client: Energy Fuels Resources, Inc. Due Date: 11/29/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611263-013A	**MW-36_11092016**	11/9/2016 1200h	11/11/2016 1035h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611263-013B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1611263-013C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1611263-013D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611263-013E				**200.7-DIS**			df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611263-014A	**MW-65_11092016**	11/9/2016 1200h	11/11/2016 1035h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611263-014B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1611263-014C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1611263-014D				**NH3-W-350.1**			df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3 & nh3	
				NO2/NO3-W-353.2			df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				

WORK ORDER Summary

Work Order: **1611263**

Client: Energy Fuels Resources, Inc. Due Date: 11/29/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611263-014E	**MW-65_11092016**	11/9/2016 1200h	11/11/2016 1035h	**200.7-DIS**	Aqueous		df-met	1
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611263-015A	**Trip Blank**	11/7/2016	11/11/2016 1035h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1611263
AWAL Lab Sample Set #
Page 1 of 2

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Garrin Palmer**
Phone #: **(435) 678-2221** Cell #:
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: **4th Quarter Groundwater 2016**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	Known Hazards & Sample Comments
1	MW-01_11082016	11/8/2016	1020	7	w	x	x	x	x	x	x	x	x	x	x	
2	MW-02_11082016	11/8/2016	1135	7	w	x	x	x	x	x	x	x	x	x	x	
3	MW-03_11082016	11/8/2016	850	7	w	x	x	x	x	x	x	x	x	x	x	
4	MW-03A_11082016	11/8/2016	805	7	w	x	x	x	x	x	x	x	x	x	x	
5	MW-05_11092016	11/9/2016	1100	7	w	x	x	x	x	x	x	x	x	x	x	
6	MW-11_11072016	11/7/2016	1315	7	w	x	x	x	x	x	x	x	x	x	x	
7	MW-12_11082016	11/8/2016	1425	7	w	x	x	x	x	x	x	x	x	x	x	
8	MW-19_11072016	11/7/2016	1440	7	w	x	x	x	x	x	x	x	x	x	x	
9	MW-24_11102016	11/10/2016	1030	7	w	x	x	x	x	x	x	x	x	x	x	
0	MW-26_11092016	11/9/2016	1415	7	w	x	x	x	x	x	x	x	x	x	x	
1	MW-29_11082016	11/8/2016	1330	7	w	x	x	x	x	x	x	x	x	x	x	
2	MW-35_11092016	11/9/2016	1015	7	w	x	x	x	x	x	x	x	x	x	x	

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 2.6 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature: Tanner Holliday	Date: 11/10/2016	Received by: Signature	Date:
Print Name: Tanner Holliday	Time: 1245	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Elmer Hayes	Date: 11/11/16
Print Name:	Time:	Print Name: Elmer Hayes	Time: 1033
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.

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.

16112G3
AWAL Lab Sample Set #
Page 2 of 2

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Garrin Palmer**
Phone #: **(435) 678-2221** Cell #:
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: **4th Quarter Groundwater 2016**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

X Include EDD: **LOCUS UPLOAD EXCEL**
X Field Filtered For: **Dissolved Metals**

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	Known Hazards & Sample Comments
3	MW-36_11092016	11/9/2016	1200	7	w	x	x	x	x	x	x	x	x	x	x	
4	MW-65_11092016	11/9/2016	1200	7	w	x	x	x	x	x	x	x	x	x	x	
5	TRIP BLANK	11/7/2016		3	W										x	
4	TEMP BLANK	11/10/2016		1	W											
5																
6																
7																
8																
9																
10																
11																
12																

Laboratory Use Only

Samples Were:
1 Shipped or hand delivered (UPS)
2 Ambient or Chilled
3 Temperature 2.6 °C
4 Received Broken/Leaking (Improperly Sealed) Y (N)
5 Properly Preserved (Y) N
Checked at bench Y N
6 Received Within Holding Times (Y) N

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	Date:	Received by: Signature	Date:
Print Name: Tanner Holliday	Time: 1245	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date: 11/11/16
Print Name:	Time:	Print Name: Elena Hayes	Time: 1035
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 1611263

pH Lot #: 5005

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7	8	9	10	11	12	13	14				
Ammonia	pH <2 H_2SO_4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes				
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes				
NO_2 & NO_3	pH <2 H_2SO_4	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes				
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH >9 NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > due to the sample matrix interference

American West
ANALYTICAL LABORATORIES

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: 4th Quarter Groundwater 2016

Dear Garrin Palmer: Lab Set ID: 1611393

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

American West Analytical Laboratories received sample(s) on 11/18/2016 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.

Thank You,

Approved by: Kyle F. Gross Digitally signed by Kyle F. Gross Date: 2016.12.16 13:25:58 -07'00'

Laboratory Director or designee

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Set ID: 1611393
Date Received: 11/18/2016 1030h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1611393-001A	MW-17_11162016	11/16/2016 1225h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611393-001B	MW-17_11162016	11/16/2016 1225h	Aqueous	Anions, E300.0
1611393-001B	MW-17_11162016	11/16/2016 1225h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611393-001C	MW-17_11162016	11/16/2016 1225h	Aqueous	Total Dissolved Solids, A2540C
1611393-001D	MW-17_11162016	11/16/2016 1225h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611393-001D	MW-17_11162016	11/16/2016 1225h	Aqueous	Ammonia, Aqueous
1611393-001E	MW-17_11162016	11/16/2016 1225h	Aqueous	Ion Balance
1611393-002A	MW-20_11162016	11/16/2016 1140h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611393-002B	MW-20_11162016	11/16/2016 1140h	Aqueous	Anions, E300.0
1611393-002B	MW-20_11162016	11/16/2016 1140h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611393-002C	MW-20_11162016	11/16/2016 1140h	Aqueous	Total Dissolved Solids, A2540C
1611393-002D	MW-20_11162016	11/16/2016 1140h	Aqueous	Ammonia, Aqueous
1611393-002D	MW-20_11162016	11/16/2016 1140h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611393-002E	MW-20_11162016	11/16/2016 1140h	Aqueous	Mercury, Drinking Water Dissolved
1611393-002E	MW-20_11162016	11/16/2016 1140h	Aqueous	ICPMS Metals, Dissolved
1611393-002E	MW-20_11162016	11/16/2016 1140h	Aqueous	Ion Balance
1611393-002E	MW-20_11162016	11/16/2016 1140h	Aqueous	ICP Metals, Dissolved
1611393-003A	MW-22_11162016	11/16/2016 1250h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611393-003B	MW-22_11162016	11/16/2016 1250h	Aqueous	Anions, E300.0
1611393-003B	MW-22_11162016	11/16/2016 1250h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611393-003C	MW-22_11162016	11/16/2016 1250h	Aqueous	Total Dissolved Solids, A2540C
1611393-003D	MW-22_11162016	11/16/2016 1250h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611393-003D	MW-22_11162016	11/16/2016 1250h	Aqueous	Ammonia, Aqueous
1611393-003E	MW-22_11162016	11/16/2016 1250h	Aqueous	Mercury, Drinking Water Dissolved
1611393-003E	MW-22_11162016	11/16/2016 1250h	Aqueous	Ion Balance
1611393-003E	MW-22_11162016	11/16/2016 1250h	Aqueous	ICP Metals, Dissolved
1611393-003E	MW-22_11162016	11/16/2016 1250h	Aqueous	ICPMS Metals, Dissolved
1611393-004A	MW-23_11162016	11/16/2016 1400h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611393-004B	MW-23_11162016	11/16/2016 1400h	Aqueous	Anions, E300.0

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ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Set ID: 1611393
Date Received: 11/18/2016 1030h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1611393-004B	MW-23_11162016	11/16/2016 1400h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611393-004C	MW-23_11162016	11/16/2016 1400h	Aqueous	Total Dissolved Solids, A2540C
1611393-004D	MW-23_11162016	11/16/2016 1400h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611393-004D	MW-23_11162016	11/16/2016 1400h	Aqueous	Ammonia, Aqueous
1611393-004E	MW-23_11162016	11/16/2016 1400h	Aqueous	Ion Balance
1611393-004E	MW-23_11162016	11/16/2016 1400h	Aqueous	ICP Metals, Dissolved
1611393-004E	MW-23_11162016	11/16/2016 1400h	Aqueous	ICPMS Metals, Dissolved
1611393-004E	MW-23_11162016	11/16/2016 1400h	Aqueous	Mercury, Drinking Water Dissolved
1611393-005A	MW-37_11162016	11/16/2016 1040h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611393-005B	MW-37_11162016	11/16/2016 1040h	Aqueous	Anions, E300.0
1611393-005B	MW-37_11162016	11/16/2016 1040h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611393-005C	MW-37_11162016	11/16/2016 1040h	Aqueous	Total Dissolved Solids, A2540C
1611393-005D	MW-37_11162016	11/16/2016 1040h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611393-005D	MW-37_11162016	11/16/2016 1040h	Aqueous	Ammonia, Aqueous
1611393-005E	MW-37_11162016	11/16/2016 1040h	Aqueous	Ion Balance
1611393-005E	MW-37_11162016	11/16/2016 1040h	Aqueous	ICP Metals, Dissolved
1611393-005E	MW-37_11162016	11/16/2016 1040h	Aqueous	ICPMS Metals, Dissolved
1611393-005E	MW-37_11162016	11/16/2016 1040h	Aqueous	Mercury, Drinking Water Dissolved
1611393-006A	MW-70_11162016	11/16/2016 1225h	Aqueous	VOA by GC/MS Method 8260C/5030C
1611393-006B	MW-70_11162016	11/16/2016 1225h	Aqueous	Anions, E300.0
1611393-006B	MW-70_11162016	11/16/2016 1225h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1611393-006C	MW-70_11162016	11/16/2016 1225h	Aqueous	Total Dissolved Solids, A2540C
1611393-006D	MW-70_11162016	11/16/2016 1225h	Aqueous	Nitrite/Nitrate (as N), E353.2
1611393-006D	MW-70_11162016	11/16/2016 1225h	Aqueous	Ammonia, Aqueous
1611393-006E	MW-70_11162016	11/16/2016 1225h	Aqueous	Ion Balance
1611393-007A	Trip Blank	11/16/2016	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:	4th Quarter Groundwater 2016
Lab Set ID:	1611393

Sample Receipt Information:

Date of Receipt:	11/18/2016
Date of Collection:	11/16/2016
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. The Ion Balance and related calculations for 1611393-001 and 1611393-006 used analytical results for method E200.7 from 1612294-001 and 16122294, respectively.

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(s)	QC	Explanation
1611393-001E	Calcium, Sodium	MS	High analyte concentration
1611393-001E	Magnesium	MS/MSD	High analyte concentration
1611393-006D	Ammonia	MS/MSD	Sample matrix interference.

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits, with the following exception: the RPD for Total Dissolved Solids on sample 1611393-001C was outside of the control limits due to suspected sample non-homogeneity or matrix interference.

Corrective Action: None required.

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Groundwater 2016
Lab Set ID:	1611393

Sample Receipt Information:

Date of Receipt:	11/18/2016
Date of Collection:	11/16/2016
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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Salt Lake City, UT 84119
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611393
Project: 4th 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-46112	Date Analyzed:	12/06/2016 1337h											
Test Code: 200.7-DIS	Date Prepared:	11/18/2016 1401h											
Magnesium	10.4	mg/L	E200.7	0.0495	1.00	10.00	0	104	85 - 115				
Potassium	10.2	mg/L	E200.7	0.121	1.00	10.00	0	102	85 - 115				
Vanadium	0.195	mg/L	E200.7	0.000750	0.00500	0.2000	0	97.7	85 - 115				
Lab Sample ID: LCS-46112	Date Analyzed:	12/06/2016 1815h											
Test Code: 200.7-DIS	Date Prepared:	11/18/2016 1401h											
Calcium	9.63	mg/L	E200.7	0.0579	1.00	10.00	0	96.3	85 - 115				
Sodium	9.89	mg/L	E200.7	0.0125	1.00	10.00	0	98.9	85 - 115				
Lab Sample ID: LCS-46113	Date Analyzed:	11/30/2016 953h											
Test Code: 200.8-DIS	Date Prepared:	11/18/2016 1401h											
Arsenic	0.212	mg/L	E200.8	0.000540	0.00200	0.2000	0	106	85 - 115				
Beryllium	0.201	mg/L	E200.8	0.000177	0.00200	0.2000	0	100	85 - 115				
Cadmium	0.206	mg/L	E200.8	0.0000666	0.000500	0.2000	0	103	85 - 115				
Chromium	0.212	mg/L	E200.8	0.000998	0.00200	0.2000	0	106	85 - 115				
Cobalt	0.208	mg/L	E200.8	0.0000990	0.00400	0.2000	0	104	85 - 115				
Copper	0.209	mg/L	E200.8	0.000862	0.00200	0.2000	0	105	85 - 115				
Iron	1.07	mg/L	E200.8	0.0274	0.100	1.000	0	107	85 - 115				
Lead	0.207	mg/L	E200.8	0.000125	0.00200	0.2000	0	103	85 - 115				
Manganese	0.212	mg/L	E200.8	0.000560	0.00200	0.2000	0	106	85 - 115				
Molybdenum	0.209	mg/L	E200.8	0.000202	0.00200	0.2000	0	105	85 - 115				
Nickel	0.212	mg/L	E200.8	0.000522	0.00200	0.2000	0	106	85 - 115				
Selenium	0.212	mg/L	E200.8	0.000310	0.00200	0.2000	0	106	85 - 115				
Silver	0.195	mg/L	E200.8	0.000132	0.00200	0.2000	0	97.6	85 - 115				
Thallium	0.203	mg/L	E200.8	0.0000500	0.00200	0.2000	0	101	85 - 115				
Tin	1.04	mg/L	E200.8	0.000372	0.00200	1.000	0	104	85 - 115				
Uranium	0.212	mg/L	E200.8	0.0000710	0.00200	0.2000	0	106	85 - 115				
Zinc	1.04	mg/L	E200.8	0.00452	0.00500	1.000	0	104	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: 1611393
Project: 4th 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-46253	Date Analyzed:	11/30/2016 730h											
Test Code: HG-DW-DIS-245.1	Date Prepared:	11/29/2016 1600h											
Mercury	0.00346	mg/L	E245.1	0.00000559	0.000150	0.003330	0	104	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: 1611393
Project: 4th 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-46112**	Date Analyzed:	12/06/2016 1335h											
Test Code:	200.7-DIS	Date Prepared:	11/18/2016 1401h											
Magnesium		< 1.00	mg/L	E200.7	0.0495	1.00								
Potassium		< 1.00	mg/L	E200.7	0.121	1.00								
Vanadium		< 0.00500	mg/L	E200.7	0.000750	0.00500								
Lab Sample ID:	**MB-46112**	Date Analyzed:	12/06/2016 1817h											
Test Code:	200.7-DIS	Date Prepared:	11/18/2016 1401h											
Calcium		< 1.00	mg/L	E200.7	0.0579	1.00								
Sodium		< 1.00	mg/L	E200.7	0.0125	1.00								
Lab Sample ID:	**MB-46113**	Date Analyzed:	11/29/2016 1739h											
Test Code:	200.8-DIS	Date Prepared:	11/18/2016 1401h											
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-46113**	Date Analyzed:	11/29/2016 1831h											
Test Code:	200.8-DIS	Date Prepared:	11/18/2016 1401h											
Beryllium		< 0.000500	mg/L	E200.8	0.0000443	0.000500								
Iron		< 0.0250	mg/L	E200.8	0.00685	0.0250								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611393
Project: 4th 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-46113**	Date Analyzed:	11/29/2016 1831h											
Test Code:	200.8-DIS	Date Prepared:	11/18/2016 1401h											
Lead		< 0.000500	mg/L	E200.8	0.0000312	0.000500								
Thallium		< 0.000500	mg/L	E200.8	0.0000125	0.000500								
Lab Sample ID:	**MB-46113**	Date Analyzed:	11/29/2016 1903h											
Test Code:	200.8-DIS	Date Prepared:	11/18/2016 1401h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								
Lab Sample ID:	**MB-46253**	Date Analyzed:	11/30/2016 728h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	11/29/2016 1600h											
Mercury		< 0.000150	mg/L	E245.1	0.00000559	0.000150								

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Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611393
Project: 4th 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: 1611393-001EMS	Date Analyzed:	12/06/2016 1354h											
Test Code: 200.7-DIS	Date Prepared:	11/18/2016 1401h											
Magnesium	153	mg/L	E200.7	0.990	20.0	10.00	147	59.8	70 - 130				2
Lab Sample ID: 1611393-001EMS	Date Analyzed:	12/06/2016 1536h											
Test Code: 200.7-DIS	Date Prepared:	11/18/2016 1401h											
Potassium	22.1	mg/L	E200.7	0.242	2.00	10.00	11.9	102	70 - 130				
Vanadium	0.206	mg/L	E200.7	0.00150	0.0100	0.2000	0	103	70 - 130				
Lab Sample ID: 1611393-001EMS	Date Analyzed:	12/06/2016 1833h											
Test Code: 200.7-DIS	Date Prepared:	11/18/2016 1401h											
Calcium	297	mg/L	E200.7	2.90	50.0	10.00	291	59.7	70 - 130				2
Sodium	477	mg/L	E200.7	0.625	50.0	10.00	470	68.9	70 - 130				2
Lab Sample ID: 1611393-001EMS	Date Analyzed:	11/29/2016 1754h											
Test Code: 200.8-DIS	Date Prepared:	11/18/2016 1401h											
Arsenic	0.216	mg/L	E200.8	0.000540	0.00200	0.2000	0	108	75 - 125				
Beryllium	0.186	mg/L	E200.8	0.000177	0.00200	0.2000	0	93.0	75 - 125				
Cadmium	0.200	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000806	100	75 - 125				
Chromium	0.199	mg/L	E200.8	0.000998	0.00200	0.2000	0	99.7	75 - 125				
Cobalt	0.192	mg/L	E200.8	0.0000990	0.00400	0.2000	0.000176	95.8	75 - 125				
Copper	0.187	mg/L	E200.8	0.000862	0.00200	0.2000	0	93.5	75 - 125				
Iron	0.982	mg/L	E200.8	0.0274	0.100	1.000	0	98.2	75 - 125				
Lead	0.182	mg/L	E200.8	0.000125	0.00200	0.2000	0	91.2	75 - 125				
Manganese	0.250	mg/L	E200.8	0.000560	0.00200	0.2000	0.0573	96.5	75 - 125				
Molybdenum	0.218	mg/L	E200.8	0.000202	0.00200	0.2000	0.00146	108	75 - 125				
Nickel	0.194	mg/L	E200.8	0.000522	0.00200	0.2000	0	97.1	75 - 125				
Selenium	0.219	mg/L	E200.8	0.000310	0.00200	0.2000	0.0136	103	75 - 125				
Silver	0.156	mg/L	E200.8	0.000132	0.00200	0.2000	0	78.0	75 - 125				
Thallium	0.178	mg/L	E200.8	0.0000500	0.00200	0.2000	0.000376	89.0	75 - 125				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611393
Project: 4th 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:	**1611393-001EMS**	Date Analyzed:	11/29/2016 1754h											
Test Code:	200.8-DIS	Date Prepared:	11/18/2016 1401h											
Tin		1.04	mg/L	E200.8	0.000372	0.00200	1.000	0.000551	104	75 - 125				
Uranium		0.205	mg/L	E200.8	0.0000710	0.00200	0.2000	0.019	93.0	75 - 125				
Zinc		1.00	mg/L	E200.8	0.00452	0.00500	1.000	0.00474	99.9	75 - 125				
Lab Sample ID:	**1611393-001EMS**	Date Analyzed:	11/30/2016 747h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	11/29/2016 1600h											
Mercury		0.00867	mg/L	E245.1	0.00000559	0.000150	0.003330	0.00514	106	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: 1611393
Project: 4th 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:	**1611393-001EMSD**	Date Analyzed:	12/06/2016 1357h											
Test Code:	200.7-DIS	Date Prepared:	11/18/2016 1401h											
Magnesium		152	mg/L	E200.7	0.990	20.0	10.00	147	49.3	70 - 130	153	0.688	20	2
Lab Sample ID:	**1611393-001EMSD**	Date Analyzed:	12/06/2016 1539h											
Test Code:	200.7-DIS	Date Prepared:	11/18/2016 1401h											
Potassium		21.9	mg/L	E200.7	0.242	2.00	10.00	11.9	99.4	70 - 130	22.1	1.24	20	
Vanadium		0.204	mg/L	E200.7	0.00150	0.0100	0.2000	0	102	70 - 130	0.206	0.583	20	
Lab Sample ID:	**1611393-001EMSD**	Date Analyzed:	12/06/2016 1835h											
Test Code:	200.7-DIS	Date Prepared:	11/18/2016 1401h											
Calcium		301	mg/L	E200.7	2.90	50.0	10.00	291	103	70 - 130	297	1.45	20	
Sodium		479	mg/L	E200.7	0.625	50.0	10.00	470	95.6	70 - 130	477	0.559	20	
Lab Sample ID:	**1611393-001EMSD**	Date Analyzed:	11/29/2016 1757h											
Test Code:	200.8-DIS	Date Prepared:	11/18/2016 1401h											
Arsenic		0.217	mg/L	E200.8	0.000540	0.00200	0.2000	0	108	75 - 125	0.216	0.133	20	
Beryllium		0.190	mg/L	E200.8	0.000177	0.00200	0.2000	0	95.0	75 - 125	0.186	2.09	20	
Cadmium		0.204	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000806	102	75 - 125	0.2	2.02	20	
Chromium		0.199	mg/L	E200.8	0.000998	0.00200	0.2000	0	99.7	75 - 125	0.199	0.00518	20	
Cobalt		0.193	mg/L	E200.8	0.0000990	0.00400	0.2000	0.000176	96.2	75 - 125	0.192	0.353	20	
Copper		0.188	mg/L	E200.8	0.000862	0.00200	0.2000	0	93.8	75 - 125	0.187	0.262	20	
Iron		0.989	mg/L	E200.8	0.0274	0.100	1.000	0	98.9	75 - 125	0.982	0.676	20	
Lead		0.188	mg/L	E200.8	0.000125	0.00200	0.2000	0	93.8	75 - 125	0.182	2.79	20	
Manganese		0.251	mg/L	E200.8	0.000560	0.00200	0.2000	0.0573	97.0	75 - 125	0.25	0.417	20	
Molybdenum		0.222	mg/L	E200.8	0.000202	0.00200	0.2000	0.00146	110	75 - 125	0.218	1.62	20	
Nickel		0.197	mg/L	E200.8	0.000522	0.00200	0.2000	0	98.7	75 - 125	0.194	1.58	20	
Selenium		0.221	mg/L	E200.8	0.000310	0.00200	0.2000	0.0136	104	75 - 125	0.219	0.947	20	
Silver		0.170	mg/L	E200.8	0.000132	0.00200	0.2000	0	84.9	75 - 125	0.156	8.52	20	
Thallium		0.182	mg/L	E200.8	0.0000500	0.00200	0.2000	0.000376	91.0	75 - 125	0.178	2.27	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: 1611393
Project: 4th 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:	**1611393-001EMSD**	Date Analyzed:	11/29/2016 1757h											
Test Code:	200.8-DIS	Date Prepared:	11/18/2016 1401h											
Tin		1.06	mg/L	E200.8	0.000372	0.00200	1.000	0.000551	106	75 - 125	1.04	1.22	20	
Uranium		0.209	mg/L	E200.8	0.0000710	0.00200	0.2000	0.019	95.2	75 - 125	0.205	2.16	20	
Zinc		0.999	mg/L	E200.8	0.00452	0.00500	1.000	0.00474	99.4	75 - 125	1	0.457	20	
Lab Sample ID:	**1611393-001EMSD**	Date Analyzed:	11/30/2016 749h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	11/29/2016 1600h											
Mercury		0.00859	mg/L	E245.1	0.00000559	0.000150	0.003330	0.00514	103	85 - 115	0.00867	0.985	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: 1611393
Project: 4th 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: 1611393-001CDUP Date Analyzed: 11/18/2016 1300h Test Code: TDS-W-2540C													
Total Dissolved Solids	3,400	mg/L	SM2540C	17.5	20.0					2990	12.9	5	@

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

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611393
Project: 4th 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-R96392 Date Analyzed: 12/01/2016 1220h													
Test Code: 300.0-W													
Chloride	5.28	mg/L	E300.0	0.00516	0.100	5.000	0	106	90 - 110				
Fluoride	5.13	mg/L	E300.0	0.0139	0.100	5.000	0	103	90 - 110				
Sulfate	5.28	mg/L	E300.0	0.0201	0.750	5.000	0	106	90 - 110				
Lab Sample ID: LCS-R96148 Date Analyzed: 11/23/2016 711h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	49,200	mg/L	SM2320B	0.504	1.00	50,000	0	98.4	90 - 110				
Lab Sample ID: LCS-46201 Date Analyzed: 11/23/2016 1710h													
Test Code: NH3-W-350.1 Date Prepared: 11/23/2016 1410h													
Ammonia (as N)	9.01	mg/L	E350.1	0.0185	0.0500	10.00	0	90.1	90 - 110				
Lab Sample ID: LCS-R96086 Date Analyzed: 11/21/2016 1753h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.987	mg/L	E353.2	0.00833	0.0100	1.000	0	98.7	90 - 110				
Lab Sample ID: LCS-R96065 Date Analyzed: 11/18/2016 1300h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	198	mg/L	SM2540C	8.77	10.0	205.0	0	96.6	80 - 120				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611393
Project: 4th 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-R96392	Date Analyzed:	12/01/2016 1204h											
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-R96148	Date Analyzed:	11/23/2016 711h											
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-46201	Date Analyzed:	11/23/2016 1709h											
Test Code: NH3-W-350.1	Date Prepared:	11/23/2016 1410h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-R96086	Date Analyzed:	11/21/2016 1752h											
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-R96065	Date Analyzed:	11/18/2016 1300h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								

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Lab Set ID: 1611393
Project: 4th 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: 1611393-001BMS Date Analyzed: 12/01/2016 1543h													
Test Code: 300.0-W													
Chloride	10,900	mg/L	E300.0	10.3	200	10,000	36.5	108	90 - 110				
Fluoride	10,500	mg/L	E300.0	27.8	200	10,000	0	105	90 - 110				
Sulfate	12,200	mg/L	E300.0	40.2	1,500	10,000	1860	104	90 - 110				
Lab Sample ID: 1611393-001BMS Date Analyzed: 11/23/2016 711h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	387	mg/L	SM2320B	0.504	1.00	50.00	338	96.6	80 - 120				
Lab Sample ID: 1611393-006DMS Date Analyzed: 11/23/2016 1722h													
Test Code: NH3-W-350.1 Date Prepared: 11/23/2016 1410h													
Ammonia (as N)	13.7	mg/L	E350.1	0.0206	0.0556	11.11	0.178	122	90 - 110				I
Lab Sample ID: 1611393-001DMS Date Analyzed: 11/21/2016 1755h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.5	mg/L	E353.2	0.0833	0.100	10.00	1.3	102	90 - 110				

I - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

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Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611393
Project: 4th 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:	**1611393-001BMSD**	Date Analyzed:	12/01/2016 1559h											
Test Code:	300.0-W													
Chloride		10,700	mg/L	E300.0	10.3	200	10,000	36.5	107	90 - 110	10900	1.62	20	
Fluoride		10,500	mg/L	E300.0	27.8	200	10,000	0	105	90 - 110	10500	0.734	20	
Sulfate		12,200	mg/L	E300.0	40.2	1,500	10,000	1860	103	90 - 110	12200	0.440	20	
Lab Sample ID:	**1611393-001BMSD**	Date Analyzed:	11/23/2016 711h											
Test Code:	ALK-W-2320B-LL													
Alkalinity (as CaCO3)		386	mg/L	SM2320B	0.504	1.00	50.00	338	94.8	80 - 120	387	0.233	10	
Lab Sample ID:	**1611393-006DMSD**	Date Analyzed:	11/23/2016 1723h											
Test Code:	NH3-W-350.1	Date Prepared:	11/23/2016 1410h											
Ammonia (as N)		13.7	mg/L	E350.1	0.0206	0.0556	11.11	0.178	121	90 - 110	13.7	0.487	10	1
Lab Sample ID:	**1611393-001DMSD**	Date Analyzed:	11/21/2016 1756h											
Test Code:	NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)		11.7	mg/L	E353.2	0.0833	0.100	10.00	1.3	104	90 - 110	11.5	1.29	10	

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

analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of th
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ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611393
Project: 4th 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-2 112116A Date Analyzed: 11/21/2016 732h Test Code: 8260-W-DEN100													
Benzene	22.1	µg/L	SW8260C	0.270	1.00	20.00	0	111	82 - 132				
Chloroform	23.6	µg/L	SW8260C	0.153	1.00	20.00	0	118	85 - 124				
Methylene chloride	20.4	µg/L	SW8260C	0.172	1.00	20.00	0	102	71 - 135				
Naphthalene	19.3	µg/L	SW8260C	0.587	1.00	20.00	0	96.7	63 - 129				
Tetrahydrofuran	15.5	µg/L	SW8260C	0.516	1.00	20.00	0	77.5	59 - 120				
Toluene	23.0	µg/L	SW8260C	0.183	1.00	20.00	0	115	78 - 130				
Xylenes, Total	67.8	µg/L	SW8260C	0.857	1.00	60.00	0	113	70 - 138				
Surr: 1,2-Dichloroethane-d4	60.6	µg/L	SW8260C			50.00		121	80 - 122				
Surr: 4-Bromofluorobenzene	51.7	µg/L	SW8260C			50.00		103	85 - 121				
Surr: Dibromofluoromethane	56.5	µg/L	SW8260C			50.00		113	77 - 118				
Surr: Toluene-d8	52.0	µg/L	SW8260C			50.00		104	81 - 123				

S - High LCS recoveries indicate possible bias high. Data deemed acceptable as no target analytes were observed in the field sample.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1611393
Project: 4th 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-2 112116A Date Analyzed: 11/21/2016 812h													
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	60.4	µg/L	SW8260C			50.00		121	80 - 122				
Surr: 4-Bromofluorobenzene	54.6	µg/L	SW8260C			50.00		109	85 - 121				
Surr: Dibromofluoromethane	54.1	µg/L	SW8260C			50.00		108	77 - 118				
Surr: Toluene-d8	51.1	µg/L	SW8260C			50.00		102	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: 1611393
Project: 4th 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: 1611393-001AMS Date Analyzed: 11/21/2016 1453h Test Code: 8260-W-DEN100													
Benzene	19.4	µg/L	SW8260C	0.270	1.00	20.00	0	96.8	66 - 145				
Chloroform	20.3	µg/L	SW8260C	0.153	1.00	20.00	0	102	50 - 146				
Methylene chloride	20.9	µg/L	SW8260C	0.172	1.00	20.00	0	105	30 - 192				
Naphthalene	18.5	µg/L	SW8260C	0.587	1.00	20.00	0	92.5	41 - 131				
Tetrahydrofuran	18.0	µg/L	SW8260C	0.516	1.00	20.00	0	90.2	43 - 146				
Toluene	19.4	µg/L	SW8260C	0.183	1.00	20.00	0	97.3	18 - 192				
Xylenes, Total	59.1	µg/L	SW8260C	0.857	1.00	60.00	0	98.6	42 - 167				
Surr: 1,2-Dichloroethane-d4	56.6	µg/L	SW8260C			50.00		113	72 - 151				
Surr: 4-Bromofluorobenzene	50.9	µg/L	SW8260C			50.00		102	80 - 152				
Surr: Dibromofluoromethane	52.0	µg/L	SW8260C			50.00		104	75 - 114				
Surr: Toluene-d8	50.0	µg/L	SW8260C			50.00		99.9	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: 1611393
Project: 4th 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: 1611393-001AMSD Date Analyzed: 11/21/2016 1354h													
Test Code: 8260-W-DEN100													
Benzene	20.9	µg/L	SW8260C	0.270	1.00	20.00	0	104	66 - 145	19.4	7.61	25	
Chloroform	22.6	µg/L	SW8260C	0.153	1.00	20.00	0	113	50 - 146	20.3	10.6	25	
Methylene chloride	20.0	µg/L	SW8260C	0.172	1.00	20.00	0	100	30 - 192	20.9	4.59	25	
Naphthalene	18.4	µg/L	SW8260C	0.587	1.00	20.00	0	91.8	41 - 131	18.5	0.814	25	
Tetrahydrofuran	16.0	µg/L	SW8260C	0.516	1.00	20.00	0	80.1	43 - 146	18	11.9	25	
Toluene	20.8	µg/L	SW8260C	0.183	1.00	20.00	0	104	18 - 192	19.5	6.71	25	
Xylenes, Total	61.8	µg/L	SW8260C	0.857	1.00	60.00	0	103	42 - 167	59.1	4.40	25	
Surr: 1,2-Dichloroethane-d4	61.4	µg/L	SW8260C			50.00		123	72 - 151				
Surr: 4-Bromofluorobenzene	48.7	µg/L	SW8260C			50.00		97.4	80 - 152				
Surr: Dibromofluoromethane	55.6	µg/L	SW8260C			50.00		111	75 - 114				
Surr: Toluene-d8	50.0	µg/L	SW8260C			50.00		99.9	77 - 129				

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REVISED: 12/15/2016

Metals cancelled on samples 1 and 6 per Kathy Weinel. Ionbalance will be calculated using results from AWAL 1612294. MC

UL
Denison

WORK ORDER Summary

Work Order: **1611393**

Client: Energy Fuels Resources, Inc. Due Date: 12/6/2016

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **4th 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. The metals analysis on samples MW-17 and MW-70 has been cancelled per Kathy Weinel 12/13/2016. The Ionbalance and related calculations will use the analytical results for the metals from 1612296.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611393-001A	**MW-17_11162016**	11/16/2016 1225h	11/18/2016 1030h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611393-001B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1611393-001C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1611393-001D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611393-001E				**IONBALANCE**		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611393-002A	**MW-20_11162016**	11/16/2016 1140h	11/18/2016 1030h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611393-002B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1611393-002C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1611393-002D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	

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WORK ORDER Summary

Work Order: **1611393**

Client: Energy Fuels Resources, Inc. Due Date: 12/6/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611393-002D	**MW-20_11162016**	11/16/2016 1140h	11/18/2016 1030h	**NO2/NO3-W-353.2**	Aqueous	☑	df - no2/no3 & nh3	1
				1 SEL Analytes: NO3NO2N				
1611393-002E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611393-003A	**MW-22_11162016**	11/16/2016 1250h	11/18/2016 1030h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611393-003B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1611393-003C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1611393-003D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611393-003E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				

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WORK ORDER Summary

Work Order: **1611393**

Client: Energy Fuels Resources, Inc. Due Date: 12/6/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611393-004A	**MW-23_11162016**	11/16/2016 1400h	11/18/2016 1030h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611393-004B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1611393-004C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1611393-004D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611393-004E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611393-005A	**MW-37_11162016**	11/16/2016 1040h	11/18/2016 1030h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611393-005B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1611393-005C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1611393-005D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				

WORK ORDER Summary

Work Order: **1611393**

Client: Energy Fuels Resources, Inc. Due Date: 12/6/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1611393-005E	**MW-37_11162016**	11/16/2016 1040h	11/18/2016 1030h	**200.7-DIS**	Aqueous	☑	df-met	1
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611393-006A	**MW-70_11162016**	11/16/2016 1225h	11/18/2016 1030h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1611393-006B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1611393-006C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1611393-006D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1611393-006E				**IONBALANCE**		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1611393-007A	**Trip Blank**	11/16/2016	11/18/2016 1030h	**8260-W-DEN100**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				

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Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
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CHAIN OF CUSTODY

1611393
AWAL Lab Sample Set #
Page 1 of 1

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.

QC Level:	Turn Around Time:	Due Date:
3	Standard	

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Garrin Palmer**
Phone #: **(435) 678-2221** Cell #: 4354599463
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: **4th Quarter Groundwater 2016**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

Known Hazards & Sample Comments

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	Known Hazards & Sample Comments
1	MW-17_11162016	11/16/2016	1225	7	W	x	x	x	x	x	x	x	x*	x	x	
2	MW-20_11162016	11/16/2016	1140	7	W	x	x	x	x	x	x	x	x	x	x	
3	MW-22_11162016	11/16/2016	1250	7	W	x	x	x	x	x	x	x	x	x	x	
4	MW-23_11162016	11/16/2016	1400	7	W	x	x	x	x	x	x	x	x	x	x	
5	MW-37_11162016	11/16/2016	1040	7	W	x	x	x	x	x	x	x	x	x	x	
6	MW-70_11162016	11/16/2016	1225	7	W	x	x	x	x	x	x	x*	x	x	x	
7	Trip Blank	11/16/2016		3	W								*		x	
8	Temp Blank			1	W											
9																
10																
11																
12																

Laboratory Use Only

Samples Were:
1 Shipped or hand delivered UPS
2 Ambient or Chilled
3 Temperature 2.1 °C
4 Received Broken/Leaking (Improperly Sealed) Y (N)
5 Properly Preserved (Y) N
Checked at bench Y N
6 Received Within Holding Times (Y) N

COC Tape Was:
1 Present on Outer Package (Y) N NA
2 Unbroken on Outer Package (Y) N NA
3 Present on Sample Y N (NA)
4 Unbroken on Sample Y N (NA)

Discrepancies Between Sample Labels and COC Record? Y (N)

Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name: Garrin Palmer	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date: 11-18-16
Print Name:	Time:	Print Name: Elaine Hayden	Time: 1030
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.

*Metals cancelled on samples 1 & 6 per email from Kathy Weinel 12/13/16. Ionbalance will be calculated using results from AWAL lab set 1612294. mc

Lab Set ID: 1611393

pH Lot #: 5005

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6												
Ammonia	pH <2 H_2SO_4	Yes	Yes	Yes	Yes	Yes	Yes												
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes	Yes	Yes	Yes	Yes												
NO_2 & NO_3	pH <2 H_2SO_4	Yes	Yes	Yes	Yes	Yes	Yes												
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH >9 NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

American West
ANALYTICAL LABORATORIES

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: 4th Quarter Groundwater 2016

Dear Garrin Palmer: Lab Set ID: 1612294

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

American West Analytical Laboratories received sample(s) on 12/14/2016 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.

Thank You,

Approved by: Kyle F. Gross Digitally signed by Kyle F. Gross Date: 2016.12.16 13:23:00 -07'00'

Laboratory Director or designee

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

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2016
Lab Set ID: 1612294
Date Received: 12/14/2016 1230h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1612294-001A	MW-17_12132016	12/13/2016 1110h	Aqueous	Mercury, Drinking Water Dissolved
1612294-001A	MW-17_12132016	12/13/2016 1110h	Aqueous	ICPMS Metals, Dissolved
1612294-001A	MW-17_12132016	12/13/2016 1110h	Aqueous	ICP Metals, Dissolved
1612294-002A	MW-70_12132016	12/13/2016 1110h	Aqueous	Mercury, Drinking Water Dissolved
1612294-002A	MW-70_12132016	12/13/2016 1110h	Aqueous	ICPMS Metals, Dissolved
1612294-002A	MW-70_12132016	12/13/2016 1110h	Aqueous	ICP Metals, Dissolved

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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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: 4th Quarter Groundwater 2016
Lab Set ID: 1612294

Sample Receipt Information:

Date of Receipt: 12/14/2016
Date of Collection: 12/13/2016
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(s)	QC	Explanation
1612294-001A	Calcium	MS/MSD	High analyte concentration
1612294-001A	Sodium	MS/MSD	High analyte concentration
1612294-001A	Magnesium	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

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1612294
Project: 4th 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-46564	Date Analyzed:	12/15/2016 1010h											
Test Code: 200.7-DIS	Date Prepared:	12/14/2016 1346h											
Calcium	9.55	mg/L	E200.7	0.0579	1.00	10.00	0	95.5	85 - 115				
Magnesium	9.87	mg/L	E200.7	0.0495	1.00	10.00	0	98.7	85 - 115				
Potassium	10.1	mg/L	E200.7	0.121	1.00	10.00	0	101	85 - 115				
Sodium	10.1	mg/L	E200.7	0.0125	1.00	10.00	0	101	85 - 115				
Vanadium	0.175	mg/L	E200.7	0.000750	0.00500	0.2000	0	87.3	85 - 115				
Lab Sample ID: LCS-46565	Date Analyzed:	12/14/2016 1952h											
Test Code: 200.8-DIS	Date Prepared:	12/14/2016 1346h											
Arsenic	0.206	mg/L	E200.8	0.000540	0.00200	0.2000	0	103	85 - 115				
Beryllium	0.215	mg/L	E200.8	0.000177	0.00200	0.2000	0	108	85 - 115				
Cadmium	0.207	mg/L	E200.8	0.0000666	0.000500	0.2000	0	103	85 - 115				
Chromium	0.207	mg/L	E200.8	0.000998	0.00200	0.2000	0	103	85 - 115				
Cobalt	0.196	mg/L	E200.8	0.0000990	0.00400	0.2000	0	98.0	85 - 115				
Copper	0.199	mg/L	E200.8	0.000862	0.00200	0.2000	0	99.5	85 - 115				
Iron	1.02	mg/L	E200.8	0.0274	0.100	1.000	0	102	85 - 115				
Lead	0.202	mg/L	E200.8	0.000125	0.00200	0.2000	0	101	85 - 115				
Manganese	0.206	mg/L	E200.8	0.000560	0.00200	0.2000	0	103	85 - 115				
Molybdenum	0.211	mg/L	E200.8	0.000202	0.00200	0.2000	0	106	85 - 115				
Nickel	0.198	mg/L	E200.8	0.000522	0.00200	0.2000	0	99.0	85 - 115				
Selenium	0.215	mg/L	E200.8	0.000310	0.00200	0.2000	0	107	85 - 115				
Silver	0.204	mg/L	E200.8	0.000132	0.00200	0.2000	0	102	85 - 115				
Thallium	0.197	mg/L	E200.8	0.0000500	0.00200	0.2000	0	98.5	85 - 115				
Tin	1.04	mg/L	E200.8	0.000372	0.00200	1.000	0	104	85 - 115				
Uranium	0.200	mg/L	E200.8	0.0000710	0.00200	0.2000	0	99.8	85 - 115				
Zinc	1.03	mg/L	E200.8	0.00452	0.00500	1.000	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: 1612294
Project: 4th 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-46570**	Date Analyzed:	12/15/2016 911h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	12/14/2016 1400h											
Mercury		0.00348	mg/L	E245.1	0.00000559	0.000150	0.003330	0	105	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: 1612294
Project: 4th 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-46564	Date Analyzed:	12/15/2016 1008h											
Test Code: 200.7-DIS	Date Prepared:	12/14/2016 1346h											
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-46565	Date Analyzed:	12/14/2016 1949h											
Test Code: 200.8-DIS	Date Prepared:	12/14/2016 1346h											
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-46565	Date Analyzed:	12/14/2016 2023h											
Test Code: 200.8-DIS	Date Prepared:	12/14/2016 1346h											
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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Kyle F. Gross
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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1612294
Project: 4th 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-46565**	Date Analyzed:	12/14/2016 2042h											
Test Code:	200.8-DIS	Date Prepared:	12/14/2016 1346h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								
Lab Sample ID:	**MB-46570**	Date Analyzed:	12/15/2016 910h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	12/14/2016 1400h											
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: 1612294
Project: 4th 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: 1612294-001AMS	Date Analyzed:	12/15/2016 1018h											
Test Code: 200.7-DIS	Date Prepared:	12/14/2016 1346h											
Calcium	297	mg/L	E200.7	1.16	20.0	10.00	302	-47.0	70 - 130				2
Magnesium	151	mg/L	E200.7	0.990	20.0	10.00	146	47.5	70 - 130				2
Sodium	513	mg/L	E200.7	0.250	20.0	10.00	512	2.52	70 - 130				2
Lab Sample ID: 1612294-001AMS	Date Analyzed:	12/15/2016 1138h											
Test Code: 200.7-DIS	Date Prepared:	12/14/2016 1346h											
Potassium	22.0	mg/L	E200.7	0.121	1.00	10.00	11	110	70 - 130				
Vanadium	0.180	mg/L	E200.7	0.000750	0.00500	0.2000	0	90.0	70 - 130				
Lab Sample ID: 1612294-001AMS	Date Analyzed:	12/14/2016 2004h											
Test Code: 200.8-DIS	Date Prepared:	12/14/2016 1346h											
Arsenic	0.220	mg/L	E200.8	0.000540	0.00200	0.2000	0	110	75 - 125				
Beryllium	0.211	mg/L	E200.8	0.000177	0.00200	0.2000	0	105	75 - 125				
Cadmium	0.203	mg/L	E200.8	0.0000666	0.000500	0.2000	0	101	75 - 125				
Chromium	0.200	mg/L	E200.8	0.000998	0.00200	0.2000	0	99.8	75 - 125				
Cobalt	0.190	mg/L	E200.8	0.0000990	0.00400	0.2000	0.000111	95.2	75 - 125				
Copper	0.188	mg/L	E200.8	0.000862	0.00200	0.2000	0	93.8	75 - 125				
Iron	0.997	mg/L	E200.8	0.0274	0.100	1.000	0	99.7	75 - 125				
Lead	0.194	mg/L	E200.8	0.000125	0.00200	0.2000	0	97.1	75 - 125				
Manganese	0.248	mg/L	E200.8	0.000560	0.00200	0.2000	0.0477	100	75 - 125				
Molybdenum	0.222	mg/L	E200.8	0.000202	0.00200	0.2000	0.00182	110	75 - 125				
Nickel	0.190	mg/L	E200.8	0.000522	0.00200	0.2000	0	95.0	75 - 125				
Selenium	0.224	mg/L	E200.8	0.000310	0.00200	0.2000	0.0101	107	75 - 125				
Silver	0.197	mg/L	E200.8	0.000132	0.00200	0.2000	0	98.4	75 - 125				
Thallium	0.190	mg/L	E200.8	0.0000500	0.00200	0.2000	0.000407	95.0	75 - 125				
Tin	1.07	mg/L	E200.8	0.000372	0.00200	1.000	0.000644	107	75 - 125				
Uranium	0.215	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0202	97.6	75 - 125				
Zinc	1.01	mg/L	E200.8	0.00452	0.00500	1.000	0	101	75 - 125				

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Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1612294
Project: 4th 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:	**1612294-001AMS**	Date Analyzed:	12/15/2016 922h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	12/14/2016 1400h											
Mercury		0.00366	mg/L	E245.1	0.00000559	0.000150	0.003330	0	110	85 - 115				

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

analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of th
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ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1612294
Project: 4th 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: 1612294-001AMSD	Date Analyzed:	12/15/2016 1020h											
Test Code: 200.7-DIS	Date Prepared:	12/14/2016 1346h											
Calcium	299	mg/L	E200.7	1.16	20.0	10.00	302	-27.9	70 - 130	297	0.640	20	2
Magnesium	152	mg/L	E200.7	0.990	20.0	10.00	146	54.3	70 - 130	151	0.444	20	2
Sodium	510	mg/L	E200.7	0.250	20.0	10.00	512	-24.7	70 - 130	513	0.533	20	2
Lab Sample ID: 1612294-001AMSD	Date Analyzed:	12/15/2016 1140h											
Test Code: 200.7-DIS	Date Prepared:	12/14/2016 1346h											
Potassium	21.9	mg/L	E200.7	0.121	1.00	10.00	11	109	70 - 130	22	0.214	20	
Vanadium	0.181	mg/L	E200.7	0.000750	0.00500	0.2000	0	90.4	70 - 130	0.18	0.404	20	
Lab Sample ID: 1612294-001AMSD	Date Analyzed:	12/14/2016 2007h											
Test Code: 200.8-DIS	Date Prepared:	12/14/2016 1346h											
Arsenic	0.226	mg/L	E200.8	0.000540	0.00200	0.2000	0	113	75 - 125	0.22	2.53	20	
Beryllium	0.214	mg/L	E200.8	0.000177	0.00200	0.2000	0	107	75 - 125	0.211	1.59	20	
Cadmium	0.206	mg/L	E200.8	0.0000666	0.000500	0.2000	0	103	75 - 125	0.203	1.79	20	
Chromium	0.202	mg/L	E200.8	0.000998	0.00200	0.2000	0	101	75 - 125	0.2	0.947	20	
Cobalt	0.193	mg/L	E200.8	0.0000990	0.00400	0.2000	0.000111	96.3	75 - 125	0.19	1.13	20	
Copper	0.189	mg/L	E200.8	0.000862	0.00200	0.2000	0	94.6	75 - 125	0.188	0.852	20	
Iron	1.01	mg/L	E200.8	0.0274	0.100	1.000	0	101	75 - 125	0.997	1.21	20	
Lead	0.198	mg/L	E200.8	0.000125	0.00200	0.2000	0	98.9	75 - 125	0.194	1.86	20	
Manganese	0.251	mg/L	E200.8	0.000560	0.00200	0.2000	0.0477	102	75 - 125	0.248	1.16	20	
Molybdenum	0.228	mg/L	E200.8	0.000202	0.00200	0.2000	0.00182	113	75 - 125	0.222	2.46	20	
Nickel	0.192	mg/L	E200.8	0.000522	0.00200	0.2000	0	96.2	75 - 125	0.19	1.21	20	
Selenium	0.226	mg/L	E200.8	0.000310	0.00200	0.2000	0.0101	108	75 - 125	0.224	0.849	20	
Silver	0.201	mg/L	E200.8	0.000132	0.00200	0.2000	0	101	75 - 125	0.197	2.19	20	
Thallium	0.193	mg/L	E200.8	0.0000500	0.00200	0.2000	0.000407	96.3	75 - 125	0.19	1.38	20	
Tin	1.09	mg/L	E200.8	0.000372	0.00200	1.000	0.000644	109	75 - 125	1.07	1.95	20	
Uranium	0.220	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0202	99.9	75 - 125	0.215	2.12	20	
Zinc	1.03	mg/L	E200.8	0.00452	0.00500	1.000	0	103	75 - 125	1.01	1.49	20	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1612294
Project: 4th 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:	**1612294-001AMSD**	Date Analyzed:	12/15/2016 924h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	12/14/2016 1400h											
Mercury		0.00344	mg/L	E245.1	0.00000559	0.000150	0.003330	0	103	85 - 115	0.00366	6.24	20	

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

analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of th
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American West Analytical Laboratories

Next Day Rush

Rpt Emailed:

UL
Denison

WORK ORDER Summary

Work Order: **1612294**

Client: Energy Fuels Resources, Inc.

Due Date: 12/15/2016

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **4th Quarter Groundwater 2016** **QC Level:** III WO Type: Project

Comments: Next Day Rush. QC 3 (Summary/No chromatograms). 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	
1612294-001A	**MW-17_12132016**	12/13/2016 1110h	12/14/2016 1230h	**200.7-DIS**	Aqueous		df-met	3
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	
1612294-002A	**MW-70_12132016**	12/13/2016 1110h	12/14/2016 1230h	**200.7-DIS**	Aqueous		df-met	3
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df-met	
				200.8-DIS			df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			df-met	
				HG-DW-DIS-245.1			df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df-met	

Printed: 12/14/2016 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1612294
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	Rush		12/15/16

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Garrin Palmer**
Phone #: **(435) 678-2221** Cell #:
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: **4th Quarter Groundwater 2016**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	Known Hazards & Sample Comments
1	MW-17_12132016	12/13/2016	1110	3	W						X					
2	MW-70_12132016	12/13/2016	1110	3	W						X					
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 0.2 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature: Tanner Holliday	Date: 12/13/2016	Received by: Signature	Date:
Print Name: Tanner Holliday	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Denise Brown	Date: 12/14/16
Print Name:	Time:	Print Name: Denise Brown	Time: 12:30

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 16122294

pH Lot #: 5000

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	-001	-002																
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	yes	yes																
NO_2 & NO_3	pH <2 H_2SO_4																		
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH >9 NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > due to the sample matrix interference

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171
F 843.766.1178

gel.com

December 08, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 410075

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on November 08, 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

Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 410075

December 08, 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 November 08, 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:

Laboratory ID	Client ID
410075001	MW-14_11022016
410075002	MW-15_11032016
410075003	MW-18_11022016
410075004	MW-25_11022016
410075005	MW-27_11012016
410075006	MW-28_11012016
410075007	MW-30_11032016
410075008	MW-31_11012016
410075009	MW-32_10312016

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

4100 75

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
4TH QUARTER GW 2016	TANNER HOLLIDAY	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-14_11022016	11/2/2016	1440	Gross Alpha
MW-15_11032016	11/3/2016	1155	Gross Alpha
MW-18_11022016	11/2/2016	1350	Gross Alpha
MW-25_11022016	11/2/2016	1135	Gross Alpha
MW-27_11012016	11/1/2016	1130	Gross Alpha
MW-28_11012016	11/1/2016	1535	Gross Alpha
MW-30_11032016	11/3/2016	1215	Gross Alpha
MW-31_11012016	11/1/2016	1350	Gross Alpha
MW-32_10312016	10/31/2016	1330	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
TANNER HOLLIDAY Tanner Holliday	11/3/2016 1245	Stacy Boone	11/8/16 9:10
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: EFIDNM00100	SDG/AR/COC/Work Order: 410075
Received By: SB	Date Received: 11-8-2016

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): ø CPM
Classified Radioactive II or III by RSO?		✓	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*			✓	Preservation Method: Ice bags Blue ice Dry ice None Other (describe) *all temperatures are recorded in Celsius 14°C
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): E5102009188
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	Do Low Level Perchlorate samples have headspace as required?		✓		Sample ID's and containers affected:
7	VOA vials contain acid preservation?		✓		(If unknown, select No)
8	VOA vials free of headspace (defined as < 6mm bubble)?		✓		Sample ID's and containers affected:
9	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
10	Samples received within holding time?	✓			ID's and tests affected:
11	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
12	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
13	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
14	Are sample containers identifiable as GEL provided?	✓			
15	COC form is properly signed in relinquished/received sections?	✓			
16	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 1Z 187 Y4Y 12 9890 2892

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JR Date 11-8-16 Page 1 of 1

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 410075 4th Quarter GW 2016
Client SDG: 410075
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: 07-DEC-16
Package Due Date: 05-DEC-16
EDD Due Date: 07-DEC-16
Due Date: 07-DEC-16
JAR1

Collector: C
Prelogin #: 20160949414
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
410075001	MW-14_11022016		02-NOV-16 14:40	08-NOV-16 09:10	-2	1	WATER		20		1		
410075002	MW-15_11032016		03-NOV-16 11:55	08-NOV-16 09:10	-2	1	WATER		20		1		
410075003	MW-18_11022016		02-NOV-16 13:50	08-NOV-16 09:10	-2	1	WATER		20		1		
410075004	MW-25_11022016		02-NOV-16 11:35	08-NOV-16 09:10	-2	1	WATER		20		1		
410075005	MW-27_11012016		01-NOV-16 11:30	08-NOV-16 09:10	-2	1	WATER		20		1		
410075006	MW-28_11012016		01-NOV-16 15:35	08-NOV-16 09:10	-2	1	WATER		20		1		
410075007	MW-30_11032016		03-NOV-16 12:15	08-NOV-16 09:10	-2	1	WATER		20		1		
410075008	MW-31_11012016		01-NOV-16 13:50	08-NOV-16 09:10	-2	1	WATER		20		1		
410075009	MW-32_10312016		31-OCT-16 13:30	08-NOV-16 09:10	-2	1	WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001 MW-14_11022016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	14	
-002 MW-15_11032016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	14	
-003 MW-18_11022016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	14	
-004 MW-25_11022016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	14	
-005 MW-27_11012016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	14	
-006 MW-28_11012016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	14	
-007 MW-30_11032016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	14	
-008 MW-31_11012016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	14	
-009 MW-32_10312016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	

GEL Laboratories LLC – Login Review Report

Temperature (C) 14

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 900.1 Modified
Path: Standard
Product Description: GFPC, Total Alpha Radium, Liquid
Product Reference: Gross Alpha
Samples: 001, 002, 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

Contingent Tests

Action	Product Name	Description	Samples

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 410075

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1619783

Sample ID	Client ID
410075001	MW-14_11022016
410075002	MW-15_11032016
410075003	MW-18_11022016
410075004	MW-25_11022016
410075005	MW-27_11012016
410075006	MW-28_11012016
410075007	MW-30_11032016
410075008	MW-31_11012016
410075009	MW-32_10312016
1203679090	Method Blank (MB)
1203679094	Laboratory Control Sample (LCS)
1203679091	410075002(MW-15_11032016) Sample Duplicate (DUP)
1203679092	410075002(MW-15_11032016) Matrix Spike (MS)
1203679093	410075002(MW-15_11032016) 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: 410075002 (MW-15_11032016).

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 1203679092 (MW-15_11032016MS) was recounted due to a detector lock out condition. 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, 1203679092 (MW-15_11032016MS) and 1203679093 (MW-15_11032016MSD), 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: 410075 GEL Work Order: 410075

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Theresa L Austin **Name: Theresa Austin**

Date: 08 DEC 2016 **Title: Group Leader**

GEL LABORATORIES LLC

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

QC Summary

Report Date: December 8, 2016

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

Contact: **Ms. Kathy Weinel**

Workorder: **410075**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1619783										
QC1203679091 410075002 DUP										
Gross Radium Alpha	U	-0.0236	U	0.310	pCi/L	N/A			N/A AXM6	12/08/16 07:1
	Uncertainty	+/-0.144		+/-0.181						
QC1203679094 LCS										
Gross Radium Alpha	412			466	pCi/L		113	(75%-125%)		12/08/16 07:1
	Uncertainty			+/-4.34						
QC1203679090 MB										
Gross Radium Alpha			U	0.0618	pCi/L					12/08/16 06:5
	Uncertainty			+/-0.152						
QC1203679092 410075002 MS										
Gross Radium Alpha	1670 U	-0.0236		1450	pCi/L		87	(75%-125%)		12/08/16 08:5
	Uncertainty	+/-0.144		+/-15.6						
QC1203679093 410075002 MSD										
Gross Radium Alpha	1670 U	-0.0236		1730	pCi/L	17.1	103	(0%-20%)		12/08/16 07:1
	Uncertainty	+/-0.144		+/-16.9						

Notes:

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

The Qualifiers in this report are defined as follows:

**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
A	The TIC is a suspected aldol-condensation product
B	For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
F	Estimated Value
H	Analytical holding time was exceeded
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
M	M if above MDC and less than LLD
M	Matrix Related Failure
N/A	RPD or %Recovery limits do not apply.
N1	See case narrative
ND	Analyte concentration is not detected above the detection limit

QC Summary

Workorder: 410075

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171
F 843.766.1178

gel.com

December 12, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 410417

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on November 11, 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,

Margo Herron for
Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 410417

December 12, 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 November 11, 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:

Laboratory ID	Client ID
410417001	MW-01_11082016
410417002	MW-02_11082016
410417003	MW-03_11082016
410417004	MW-03A_11082016
410417005	MW-05_11092016
410417006	MW-11_11072016
410417007	MW-12_11082016
410417008	MW-19_11072016
410417009	MW-24_11102016
410417010	MW-26_11092016
410417011	MW-29_11082016
410417012	MW-35_11092016
410417013	MW-36_11092016
410417014	MW-65_11092016

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.

Margo Herron for
Julie Robinson
Project Manager

410417

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
4th quarter GW 2016	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-01_11082016	11/8/2016	1020	Gross Alpha
MW-02_11082016	11/8/2016	1135	Gross Alpha
MW-03_11082016	11/8/2016	850	Gross Alpha
MW-03A_11082016	11/8/2016	805	Gross Alpha
MW-05_11092016	11/9/2016	1100	Gross Alpha
MW-11_11072016	11/7/2016	1315	Gross Alpha
MW-12_11082016	11/8/2016	1425	Gross Alpha
MW-19_11072016	11/7/2016	1440	Gross Alpha
MW-24_11102016	11/10/2016	1030	Gross Alpha
MW-26_11092016	11/9/2016	1415	Gross Alpha
MW-29_11082016	11/8/2016	1330	Gross Alpha
MW-35_11092016	11/9/2016	1015	Gross Alpha
MW-36_11092016	11/9/2016	1200	Gross Alpha
MW-65_11092016	11/9/2016	1200	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday Tanner Holliday	11/10/2016 1245	Margo Hansen	11/11/16 9:10
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DMNI			SDG/AR/COC/Work Order: 410917
Received By: MEH			Date Received: 11/11/16
Suspected Hazard Information	**Yes**	**No**	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		/	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM
Classified Radioactive II or III by RSO?		/	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?		/	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		/	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		/	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		/	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	/			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		/		Preservation Method: Ice bags Blue ice Dry ice (None) Other (describe) *all temperatures are recorded in Celsius 10 °C
2a	Daily check performed and passed on IR temperature gun?	/			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): F5102009185
3	Chain of custody documents included with shipment?	/			
4	Sample containers intact and sealed?	/			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	/			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	Do Low Level Perchlorate samples have headspace as required?		/		Sample ID's and containers affected:
7	VOA vials contain acid preservation?		/		(If unknown, select No)
8	VOA vials free of headspace (defined as < 6mm bubble)?		/		Sample ID's and containers affected:
9	Are Encore containers present?			/	(If yes, immediately deliver to Volatiles laboratory)
10	Samples received within holding time?	/			ID's and tests affected:
11	Sample ID's on COC match ID's on bottles?	/			Sample ID's and containers affected:
12	Date & time on COC match date & time on bottles?	/			Sample ID's affected:
13	Number of containers received match number indicated on COC?	/			Sample ID's affected:
14	Are sample containers identifiable as GEL provided?	/			
15	COC form is properly signed in relinquished/received sections?	/			
16	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground (UPS) Field Services Courier Other 1Z 187 Y4Y 01 9243 3331

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JJZ Date 11-11-16 Page 1 of 1

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 410417 4th Quarter GW 2016
Client SDG: 410417
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: 12-DEC-16
Package Due Date: 10-DEC-16
EDD Due Date: 12-DEC-16
Due Date: 12-DEC-16
JAR1

Collector: C
Prelogin #: 20160949414
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
410417001	MW-01_11082016		08-NOV-16 10:20	11-NOV-16 09:10	-2	1	WATER		20		1		
410417002	MW-02_11082016		08-NOV-16 11:35	11-NOV-16 09:10	-2	1	WATER		20		1		
410417003	MW-03_11082016		08-NOV-16 08:50	11-NOV-16 09:10	-2	1	WATER		20		1		
410417004	MW-03A_11082016		08-NOV-16 08:05	11-NOV-16 09:10	-2	1	WATER		20		1		
410417005	MW-05_11092016		09-NOV-16 11:00	11-NOV-16 09:10	-2	1	WATER		20		1		
410417006	MW-11_11072016		07-NOV-16 13:15	11-NOV-16 09:10	-2	1	WATER		20		1		
410417007	MW-12_11082016		08-NOV-16 14:25	11-NOV-16 09:10	-2	1	WATER		20		1		
410417008	MW-19_11072016		07-NOV-16 14:40	11-NOV-16 09:10	-2	1	WATER		20		1		
410417009	MW-24_11102016		10-NOV-16 10:30	11-NOV-16 09:10	-2	1	WATER		20		1		
410417010	MW-26_11092016		09-NOV-16 14:15	11-NOV-16 09:10	-2	1	WATER		20		1		
410417011	MW-29_11082016		08-NOV-16 13:30	11-NOV-16 09:10	-2	1	WATER		20		1		
410417012	MW-35_11092016		09-NOV-16 10:15	11-NOV-16 09:10	-2	1	WATER		20		1		
410417013	MW-36_11092016		09-NOV-16 12:00	11-NOV-16 09:10	-2	1	WATER		20		1		
410417014	MW-65_11092016		09-NOV-16 12:00	11-NOV-16 09:10	-2	1	WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001 MW-01_11082016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	10	
-002 MW-02_11082016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	10	
-003 MW-03_11082016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	10	
-004 MW-03A_11082016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	10	
-005 MW-05_11092016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	10	
-006 MW-11_11072016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	10	

-007 MW-12_11082016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha	Cooler Seal Undisturbed	Y
				Temperature (C)	10
-008 MW-19_11072016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha	Cooler Seal Undisturbed	Y
				Temperature (C)	10
-009 MW-24_11102016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha	Cooler Seal Undisturbed	Y
				Temperature (C)	10
-010 MW-26_11092016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha	Cooler Seal Undisturbed	Y
				Temperature (C)	10
-011 MW-29_11082016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha	Cooler Seal Undisturbed	Y
				Temperature (C)	10
-012 MW-35_11092016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha	Cooler Seal Undisturbed	Y
				Temperature (C)	10
-013 MW-36_11092016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha	Cooler Seal Undisturbed	Y
				Temperature (C)	10
-014 MW-65_11092016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha	Cooler Seal Undisturbed	Y
				Temperature (C)	10

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, 010, 011, 012, 013, 014 **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

Contingent Tests

Action	Product Name	Description	Samples

Login Requirements:

Requirement	Include?	Comments

GEL Laboratories LLC – Login Review Report

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 410417

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1619896

Sample ID	Client ID
410417001	MW-01_11082016
410417002	MW-02_11082016
410417003	MW-03_11082016
410417004	MW-03A_11082016
410417005	MW-05_11092016
410417006	MW-11_11072016
410417007	MW-12_11082016
410417008	MW-19_11072016
410417009	MW-24_11102016
410417010	MW-26_11092016
410417011	MW-29_11082016
410417012	MW-35_11092016
410417013	MW-36_11092016
410417014	MW-65_11092016
1203679500	Method Blank (MB)
1203679504	Laboratory Control Sample (LCS)
1203679501	410417010(MW-26_11092016) Sample Duplicate (DUP)
1203679502	410417010(MW-26_11092016) Matrix Spike (MS)
1203679503	410417010(MW-26_11092016) 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: 410417010 (MW-26_11092016).

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Recounts
None of the samples in this sample set were recounted.

Miscellaneous Information:

Data Exception (DER) Documentation
Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Manual Integration
No manual integrations were performed on data in this batch.

Sample-Specific MDA/MDC
The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments
The matrix spike and matrix spike duplicate, 1203679502 (MW-26_11092016MS) and 1203679503 (MW-26_11092016MSD), 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: 410417 GEL Work Order: 410417

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Theresa L Austin **Name: Theresa Austin**

Date: 12 DEC 2016 **Title: Group Leader**

GEL LABORATORIES LLC

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

QC Summary

Report Date: December 12, 2016

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

Contact: **Ms. Kathy Weinel**

Workorder: **410417**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1619896										
QC1203679501 410417010 DUP										
Gross Radium Alpha	U	0.660		1.51	pCi/L	78.2		(0% - 100%)	AXM6	12/09/16 14:4
	Uncertainty	+/-0.296		+/-0.324						
QC1203679504 LCS										
Gross Radium Alpha	412			426	pCi/L		103	(75%-125%)		12/09/16 14:4
	Uncertainty			+/-4.75						
QC1203679500 MB										
Gross Radium Alpha			U	0.190	pCi/L					12/09/16 14:4
	Uncertainty			+/-0.186						
QC1203679502 410417010 MS										
Gross Radium Alpha	1670 U	0.660		1550	pCi/L		92.5	(75%-125%)		12/09/16 14:4
	Uncertainty	+/-0.296		+/-17.8						
QC1203679503 410417010 MSD										
Gross Radium Alpha	1670 U	0.660		1530	pCi/L	0.877	91.7	(0%-20%)		12/09/16 14:4
	Uncertainty	+/-0.296		+/-17.8						

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: 410417

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier

Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.

R Sample results are rejected

U Analyte was analyzed for, but not detected above the CRDL.

UI Gamma Spectroscopy--Uncertain identification

UJ Gamma Spectroscopy--Uncertain identification

UL Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.

X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier

Y QC Samples were not spiked with this compound

^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

GEL Laboratories LLC

a member of **The GEL Group** INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171
F 843.766.1178

gel.com

December 19, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 411094

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on November 21, 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

Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 411094

December 19, 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 November 21, 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:

Laboratory ID	Client ID
411094001	MW-17_11162016
411094002	MW-20_11162016
411094003	MW-22_11162016
411094004	MW-23_11162016
411094005	MW-37_11162016
411094006	MW-70_11162016

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

411094

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
4th Quarter GW 2016	Garrin Palmer	Garrin Palmer

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-17_11162016	11/16/2016	1225	Gross Alpha
MW-20_11162016	11/16/2016	1140	Gross Alpha
MW-22_11162016	11/16/2016	1250	Gross Alpha
MW-23_11162016	11/16/2016	1400	Gross Alpha
MW-37_11162016	11/16/2016	1040	Gross Alpha
MW-70_11162016	11/16/2016	1225	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer	11/16/16 1230		11/17/16 845
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DWMI	**SDG/AR/COC/Work Order:** 411094
Received By: AG	**Date Received:** 11/21/16

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 cpm
Classified Radioactive II or III by RSO?		✓	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		✓		Preservation Method: Ice bags Blue ice Dry ice None Other (describe) *all temperatures are recorded in Celsius 16°C
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): ES10 2009185
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	Do Low Level Perchlorate samples have headspace as required?		✓		Sample ID's and containers affected:
7	VOA vials contain acid preservation?		✓		(If unknown, select No)
8	VOA vials free of headspace (defined as < 6mm bubble)?		✓		Sample ID's and containers affected:
9	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
10	Samples received within holding time?	✓			ID's and tests affected:
11	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
12	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
13	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
14	Are sample containers identifiable as GEL provided?	✓			
15	COC form is properly signed in relinquished/received sections?	✓			
16	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 1Z 187 44Y 02 9430 6222

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JR Date 11-21-16 Page 1 of 1

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 411094 4th Quarter GW 2016
Client SDG: 411094
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: 20-DEC-16
Package Due Date: 18-DEC-16
EDD Due Date: 20-DEC-16
Due Date: 20-DEC-16
JAR1

Collector: C
Prelogin #: 20160949414
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
411094001	MW-17_11162016		16-NOV-16 12:25	21-NOV-16 08:45	-2	1	WATER		20		1		
411094002	MW-20_11162016		16-NOV-16 11:40	21-NOV-16 08:45	-2	1	WATER		20		1		
411094003	MW-22_11162016		16-NOV-16 12:50	21-NOV-16 08:45	-2	1	WATER		20		1		
411094004	MW-23_11162016		16-NOV-16 14:00	21-NOV-16 08:45	-2	1	WATER		20		1		
411094005	MW-37_11162016		16-NOV-16 10:40	21-NOV-16 08:45	-2	1	WATER		20		1		
411094006	MW-70_11162016		16-NOV-16 12:25	21-NOV-16 08:45	-2	1	WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001 MW-17_11162016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	y	
						Temperature (C)	16	
-002 MW-20_11162016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	y	
						Temperature (C)	16	
-003 MW-22_11162016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	y	
						Temperature (C)	16	
-004 MW-23_11162016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	y	
						Temperature (C)	16	
-005 MW-37_11162016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	y	
						Temperature (C)	16	
-006 MW-70_11162016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	y	
						Temperature (C)	16	

GEL Laboratories LLC – Login Review Report

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001, 002, 003, 004, 005, 006
Parmname Check: All parmnames scheduled properly
Path: Standard
Product Reference: Gross Alpha
Moisture Correction: "As Received"

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

Contingent Tests

Action	Product Name	Description	Samples

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 411094

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1619783

Sample ID	Client ID
411094001	MW-17_11162016
411094002	MW-20_11162016
411094003	MW-22_11162016
411094004	MW-23_11162016
411094005	MW-37_11162016
411094006	MW-70_11162016
1203679090	Method Blank (MB)
1203679094	Laboratory Control Sample (LCS)
1203679091	410075002(MW-15_11032016) Sample Duplicate (DUP)
1203679092	410075002(MW-15_11032016) Matrix Spike (MS)
1203679093	410075002(MW-15_11032016) 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: 410075002 (MW-15_11032016).

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 1203679092 (MW-15_11032016MS) was recounted due to a detector lock out condition. 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, 1203679092 (MW-15_11032016MS) and 1203679093 (MW-15_11032016MSD), 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: 411094 GEL Work Order: 411094

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Theresa L. Austin **Name: Theresa Austin**

Date: 08 DEC 2016 **Title: Group Leader**

GEL LABORATORIES LLC

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

QC Summary

Report Date: December 8, 2016

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

Contact: **Ms. Kathy Weinel**

Workorder: **411094**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1619783										
QC1203679091 410075002 DUP										
Gross Radium Alpha	U	-0.0236	U	0.310	pCi/L	N/A			N/A AXM6	12/08/16 07:1
	Uncertainty	+/-0.144		+/-0.181						
QC1203679094 LCS										
Gross Radium Alpha	412			466	pCi/L		113	(75%-125%)		12/08/16 07:1
	Uncertainty			+/-4.34						
QC1203679090 MB										
Gross Radium Alpha			U	0.0618	pCi/L					12/08/16 06:5
	Uncertainty			+/-0.152						
QC1203679092 410075002 MS										
Gross Radium Alpha	1670 U	-0.0236		1450	pCi/L		87	(75%-125%)		12/08/16 08:5
	Uncertainty	+/-0.144		+/-15.6						
QC1203679093 410075002 MSD										
Gross Radium Alpha	1670 U	-0.0236		1730	pCi/L	17.1	103	(0%-20%)		12/08/16 07:1
	Uncertainty	+/-0.144		+/-16.9						

Notes:

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

The Qualifiers in this report are defined as follows:

**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
A	The TIC is a suspected aldol-condensation product
B	For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
F	Estimated Value
H	Analytical holding time was exceeded
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
M	M if above MDC and less than LLD
M	Matrix Related Failure
N/A	RPD or %Recovery limits do not apply.
N1	See case narrative
ND	Analyte concentration is not detected above the detection limit

QC Summary

Workorder: 411094

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.
ır PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

/here the analytical method has been performed under NELAP certification, the analysis has met all of the :quirements of the NELAC standard unless qualified on the QC Summary.

Tab F

Laboratory Analytical Reports – Accelerated Monitoring

Tab F1

Laboratory Analytical Reports – Accelerated Monitoring

October 2016

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2016
Lab Sample ID: 1610115-001
Client Sample ID: MW-11_10052016
Collection Date: 10/5/2016 1200h
Received Date: 10/7/2016 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	10/10/2016 1104h	10/11/2016 902h	E200.8	0.0100	**0.160**	

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2016
Lab Sample ID: 1610115-002
Client Sample ID: MW-25_10042016
Collection Date: 10/4/2016 1215h
Received Date: 10/7/2016 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	10/10/2016 1104h	10/11/2016 905h	E200.8	0.000500	**0.00141**	
Uranium	mg/L	10/10/2016 1104h	10/11/2016 1004h	E200.8	0.000300	**0.00636**	

3440 South 700 West
Salt Lake City, UT 84119

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2016
Lab Sample ID: 1610115-002
Client Sample ID: MW-25_10042016
Collection Date: 10/4/2016 1215h
Received Date: 10/7/2016 1040h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		10/10/2016 1614h	E300.0	10.0	**32.3**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2016
Lab Sample ID: 1610115-003
Client Sample ID: MW-26_10062016
Collection Date: 10/6/2016 745h
Received Date: 10/7/2016 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	10/10/2016 1104h	10/11/2016 1007h	E200.8	0.000300	**0.0322**	

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

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Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2016
Lab Sample ID: 1610115-003
Client Sample ID: MW-26_10062016
Collection Date: 10/6/2016 745h
Received Date: 10/7/2016 1040h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		10/10/2016 1631h	E300.0	10.0	**71.1**	
Nitrate/Nitrite (as N)	mg/L		10/10/2016 917h	E353.2	0.100	**1.11**	

3440 South 700 West
Salt Lake City, UT 84119

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QA Officer

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American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2016
Lab Sample ID: 1610115-003D
Client Sample ID: MW-26_10062016
Collection Date: 10/6/2016 745h
Received Date: 10/7/2016 1040h

Test Code: 8260-W-DEN100

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

Analyzed: 10/7/2016 1503h
Units: µg/L **Dilution Factor:** 20 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	20.0	**1,660**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	1,100	1,000	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	1,020	1,000	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	1,020	1,000	102	80-124	
Surr: Toluene-d8	2037-26-5	1,010	1,000	101	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 10/7/2016 1333h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Methylene chloride	75-09-2	1.00	**3.49**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.2	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.4	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.2	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	51.2	50.00	102	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2016
Lab Sample ID: 1610115-004
Client Sample ID: MW-30_10052016
Collection Date: 10/5/2016 1050h
Received Date: 10/7/2016 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	10/10/2016 1104h	10/11/2016 908h	E200.8	0.00500	**0.0428**	
Uranium	mg/L	10/10/2016 1104h	10/11/2016 1010h	E200.8	0.000300	**0.00764**	

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

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2016
Lab Sample ID: 1610115-004
Client Sample ID: MW-30_10052016
Collection Date: 10/5/2016 1050h
Received Date: 10/7/2016 1040h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		10/10/2016 1524h	E300.0	100	**148**	
Fluoride	mg/L		10/10/2016 1507h	E300.0	0.100	**0.376**	
Nitrate/Nitrite (as N)	mg/L		10/10/2016 924h	E353.2	0.100	**17.2**	

3440 South 700 West
Salt Lake City, UT 84119

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Kyle F. Gross
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2016
Lab Sample ID: 1610115-005
Client Sample ID: MW-31_10042016
Collection Date: 10/4/2016 1415h
Received Date: 10/7/2016 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	10/10/2016 1104h	10/11/2016 911h	E200.8	0.00500	**0.0882**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2016
Lab Sample ID: 1610115-005
Client Sample ID: MW-31_10042016
Collection Date: 10/4/2016 1415h
Received Date: 10/7/2016 1040h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		10/10/2016 1648h	E300.0	100	**260**	
Nitrate/Nitrite (as N)	mg/L		10/10/2016 925h	E353.2	0.100	**18.8**	
Sulfate	mg/L		10/10/2016 1648h	E300.0	100	**720**	
Total Dissolved Solids	mg/L		10/10/2016 1230h	SM2540C	20.0	**1,670**	@

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

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2016
Lab Sample ID: 1610115-006
Client Sample ID: MW-35_10042016
Collection Date: 10/4/2016 1350h
Received Date: 10/7/2016 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	10/10/2016 1104h	10/11/2016 914h	E200.8	0.0100	**0.196**	
Selenium	mg/L	10/10/2016 1104h	10/11/2016 914h	E200.8	0.00500	**0.0140**	
Thallium	mg/L	10/10/2016 1104h	10/11/2016 955h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	10/10/2016 1104h	10/11/2016 1013h	E200.8	0.000300	**0.0210**	

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Salt Lake City, UT 84119

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

Certificate of Analysis

Report Date: November 14, 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_10042016	Project:	DNMI00100
Sample ID:	408397001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	04-OCT-16 13:50		
Receive Date:	18-OCT-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		2.65	+/-0.477	0.933	1.00	pCi/L			AXM6	11/11/16	1050	1612325	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"			93.4	(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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2016
Lab Sample ID: 1610115-007
Client Sample ID: MW-65_10042016
Collection Date: 10/4/2016 1350h
Received Date: 10/7/2016 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	10/10/2016 1104h	10/11/2016 939h	E200.8	0.0100	**0.194**	
Selenium	mg/L	10/10/2016 1104h	10/11/2016 939h	E200.8	0.00500	**0.0147**	
Thallium	mg/L	10/10/2016 1104h	10/11/2016 958h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	10/10/2016 1104h	10/11/2016 1017h	E200.8	0.000300	**0.0208**	

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Salt Lake City, UT 84119

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Kyle F. Gross
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Jose Rocha
QA Officer

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

Certificate of Analysis

Report Date: November 14, 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_10042016	Project:	DNMI00100
Sample ID:	408397002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	04-OCT-16 13:50		
Receive Date:	18-OCT-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		4.08	+/-0.593	0.988	1.00	pCi/L			AXM6	11/11/16	1050	1612325	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"			93	(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.

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2016
Lab Sample ID: 1610115-008A
Client Sample ID: Trip Blank
Collection Date: 10/6/2016
Received Date: 10/7/2016 1040h

Test Code: 8260-W-DEN100

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

Analyzed: 10/7/2016 1313h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.7	50.00	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.6	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.0	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	51.3	50.00	103	77-129	

3440 South 700 West
Salt Lake City, UT 84119

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Jose Rocha
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American West
ANALYTICAL LABORATORIES

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: October Monthly Ground Water 2016

Dear Garrin Palmer: Lab Set ID: 1610115

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

American West Analytical Laboratories received sample(s) on 10/7/2016 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.

Thank You,

Approved by: Kyle F. Gross Digitally signed by Kyle F. Gross Date: 2016.10.20 13:53:17 -06'00'

Laboratory Director or designee

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SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2016
Lab Set ID: 1610115
Date Received: 10/7/2016 1040h

3440 South 700 West
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
1610115-001A	MW-11_10052016	10/5/2016	1200h	Aqueous	ICPMS Metals, Dissolved
1610115-002A	MW-25_10042016	10/4/2016	1215h	Aqueous	ICPMS Metals, Dissolved
1610115-002B	MW-25_10042016	10/4/2016	1215h	Aqueous	Anions, E300.0
1610115-003A	MW-26_10062016	10/6/2016	745h	Aqueous	ICPMS Metals, Dissolved
1610115-003B	MW-26_10062016	10/6/2016	745h	Aqueous	Anions, E300.0
1610115-003C	MW-26_10062016	10/6/2016	745h	Aqueous	Nitrite/Nitrate (as N), E353.2
1610115-003D	MW-26_10062016	10/6/2016	745h	Aqueous	VOA by GC/MS Method 8260C/5030C
1610115-004A	MW-30_10052016	10/5/2016	1050h	Aqueous	ICPMS Metals, Dissolved
1610115-004B	MW-30_10052016	10/5/2016	1050h	Aqueous	Anions, E300.0
1610115-004C	MW-30_10052016	10/5/2016	1050h	Aqueous	Nitrite/Nitrate (as N), E353.2
1610115-005A	MW-31_10042016	10/4/2016	1415h	Aqueous	ICPMS Metals, Dissolved
1610115-005B	MW-31_10042016	10/4/2016	1415h	Aqueous	Anions, E300.0
1610115-005C	MW-31_10042016	10/4/2016	1415h	Aqueous	Nitrite/Nitrate (as N), E353.2
1610115-005D	MW-31_10042016	10/4/2016	1415h	Aqueous	Total Dissolved Solids, A2540C
1610115-006A	MW-35_10042016	10/4/2016	1350h	Aqueous	ICPMS Metals, Dissolved
1610115-007A	MW-65_10042016	10/4/2016	1350h	Aqueous	ICPMS Metals, Dissolved
1610115-008A	Trip Blank	10/6/2016		Aqueous	VOA by GC/MS Method 8260C/5030C

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Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	October Monthly Ground Water 2016
Lab Set ID:	1610115

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	10/07/2016
Date(s) of Collection:	10/04-10/06/2016
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, indicating no apparent matrix interferences.

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits, with the following exception: The TDS for sample 1610115-005D was outside of control limits due to suspected sample non-homogeneity or matrix interference.

Corrective Action: None required.

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	October Monthly Ground Water 2016
Lab Set ID:	1610115

Sample Receipt Information:

Date of Receipt:	10/07/2016
Date(s) of Collection:	10/04-10/06/2016
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Two 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.

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1610115
Project: October Monthly 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-45403	Date Analyzed:	10/11/2016 859h											
Test Code: 200.8-DIS	Date Prepared:	10/10/2016 1104h											
Cadmium	0.199	mg/L	E200.8	0.0000666	0.000500	0.2000	0	99.3	85 - 115				
Manganese	0.203	mg/L	E200.8	0.000560	0.00200	0.2000	0	101	85 - 115				
Selenium	0.200	mg/L	E200.8	0.000310	0.00200	0.2000	0	99.9	85 - 115				
Thallium	0.195	mg/L	E200.8	0.0000500	0.00200	0.2000	0	97.5	85 - 115				
Uranium	0.203	mg/L	E200.8	0.0000710	0.00200	0.2000	0	101	85 - 115				

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ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1610115
Project: October Monthly 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-45403**	Date Analyzed:	10/11/2016 1001h											
Test Code:	200.8-DIS	Date Prepared:	10/10/2016 1104h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								
Lab Sample ID:	**MB-45403**	Date Analyzed:	10/11/2016 855h											
Test Code:	200.8-DIS	Date Prepared:	10/10/2016 1104h											
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-45403**	Date Analyzed:	10/11/2016 951h											
Test Code:	200.8-DIS	Date Prepared:	10/10/2016 1104h											
Thallium		< 0.000500	mg/L	E200.8	0.0000125	0.000500								

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American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1610115
Project: October Monthly 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: 1610115-006AMS	Date Analyzed:	10/11/2016 923h											
Test Code: 200.8-DIS	Date Prepared:	10/10/2016 1104h											
Cadmium	0.197	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000478	98.7	75 - 125				
Manganese	0.396	mg/L	E200.8	0.000560	0.00200	0.2000	0.196	100	75 - 125				
Selenium	0.216	mg/L	E200.8	0.000310	0.00200	0.2000	0.014	101	75 - 125				
Thallium	0.189	mg/L	E200.8	0.0000500	0.00200	0.2000	0.000398	94.1	75 - 125				
Uranium	0.221	mg/L	E200.8	0.0000710	0.00200	0.2000	0.021	99.8	75 - 125				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1610115
Project: October Monthly 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: 1610115-006AMSD	Date Analyzed:	10/11/2016 936h											
Test Code: 200.8-DIS	Date Prepared:	10/10/2016 1104h											
Cadmium	0.201	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000478	101	75 - 125	0.197	1.93	20	
Manganese	0.397	mg/L	E200.8	0.000560	0.00200	0.2000	0.196	101	75 - 125	0.396	0.246	20	
Selenium	0.221	mg/L	E200.8	0.000310	0.00200	0.2000	0.014	103	75 - 125	0.216	2.14	20	
Thallium	0.194	mg/L	E200.8	0.0000500	0.00200	0.2000	0.000398	96.6	75 - 125	0.189	2.61	20	
Uranium	0.226	mg/L	E200.8	0.0000710	0.00200	0.2000	0.021	102	75 - 125	0.221	2.30	20	

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1610115
Project: October Monthly 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: 1610115-005DDUP Date Analyzed: 10/10/2016 1230h Test Code: TDS-W-2540C													
Total Dissolved Solids	1,550	mg/L	SM2540C	17.5	20.0					1670	7.20	5	@

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

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1610115
Project: October Monthly 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-R94669 Date Analyzed: 10/10/2016 1028h													
Test Code: 300.0-W													
Chloride	5.22	mg/L	E300.0	0.00516	0.100	5.000	0	104	90 - 110				
Fluoride	5.13	mg/L	E300.0	0.0139	0.100	5.000	0	103	90 - 110				
Sulfate	5.08	mg/L	E300.0	0.0201	0.750	5.000	0	102	90 - 110				
Lab Sample ID: LCS-R94638 Date Analyzed: 10/10/2016 856h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.972	mg/L	E353.2	0.00833	0.0100	1.000	0	97.2	90 - 110				
Lab Sample ID: LCS-R94685 Date Analyzed: 10/10/2016 1230h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	224	mg/L	SM2540C	8.77	10.0	205.0	0	109	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: 1610115
Project: October Monthly 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-R94669 Date Analyzed: 10/10/2016 1011h													
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-R94638 Date Analyzed: 10/10/2016 856h													
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-R94685 Date Analyzed: 10/10/2016 1230h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1610115
Project: October Monthly 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: 1610115-005BMS Date Analyzed: 10/10/2016 1705h													
Test Code: 300.0-W													
Chloride	1,300	mg/L	E300.0	1.03	20.0	1,000	260	104	90 - 110				
Fluoride	1,030	mg/L	E300.0	2.78	20.0	1,000	14.4	102	90 - 110				
Sulfate	1,690	mg/L	E300.0	4.02	150	1,000	720	96.9	90 - 110				
Lab Sample ID: 1610115-003CMS Date Analyzed: 10/10/2016 918h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.1	mg/L	E353.2	0.0833	0.100	10.00	1.11	100	90 - 110				

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1610115
Project: October Monthly 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: 1610115-005BMSD Date Analyzed: 10/10/2016 1721h													
Test Code: 300.0-W													
Chloride	1,290	mg/L	E300.0	1.03	20.0	1,000	260	103	90 - 110	1300	0.347	20	
Fluoride	1,020	mg/L	E300.0	2.78	20.0	1,000	14.4	101	90 - 110	1030	0.502	20	
Sulfate	1,690	mg/L	E300.0	4.02	150	1,000	720	96.9	90 - 110	1690	0.0236	20	
Lab Sample ID: 1610115-003CMSD Date Analyzed: 10/10/2016 918h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.2	mg/L	E353.2	0.0833	0.100	10.00	1.11	100	90 - 110	11.1	0.359	10	

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1610115
Project: October Monthly 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 100716A Date Analyzed: 10/07/2016 1155h Test Code: 8260-W-DEN100													
Chloroform	20.1	µg/L	SW8260C	0.153	1.00	20.00	0	100	85 - 124				
Methylene chloride	23.5	µg/L	SW8260C	0.172	1.00	20.00	0	117	71 - 135				
Surr: 1,2-Dichloroethane-d4	52.1	µg/L	SW8260C			50.00		104	80 - 122				
Surr: 4-Bromofluorobenzene	49.4	µg/L	SW8260C			50.00		98.8	85 - 121				
Surr: Dibromofluoromethane	49.3	µg/L	SW8260C			50.00		98.7	80 - 116				
Surr: Toluene-d8	49.8	µg/L	SW8260C			50.00		99.5	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1610115
Project: October Monthly 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 100716A Date Analyzed: 10/07/2016 1234h 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	52.9	µg/L	SW8260C			50.00		106	80 - 122				
Surr: 4-Bromofluorobenzene	50.9	µg/L	SW8260C			50.00		102	85 - 121				
Surr: Dibromofluoromethane	49.3	µg/L	SW8260C			50.00		98.6	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: 1610115
Project: October Monthly 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: 1610115-003DMS Date Analyzed: 10/07/2016 1522h													
Test Code: 8260-W-DEN100													
Chloroform	2,040	µg/L	SW8260C	3.06	20.0	400.0	1660	96.0	50 - 146				
Methylene chloride	479	µg/L	SW8260C	3.44	20.0	400.0	3.49	119	30 - 192				
Surr: 1,2-Dichloroethane-d4	1,050	µg/L	SW8260C			1,000		105	72 - 151				
Surr: 4-Bromofluorobenzene	907	µg/L	SW8260C			1,000		90.7	80 - 152				
Surr: Dibromofluoromethane	988	µg/L	SW8260C			1,000		98.8	80 - 124				
Surr: Toluene-d8	969	µg/L	SW8260C			1,000		96.9	77 - 129				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1610115
Project: October Monthly 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: 1610115-003DMSD Date Analyzed: 10/07/2016 1542h													
Test Code: 8260-W-DEN100													
Chloroform	2,040	µg/L	SW8260C	3.06	20.0	400.0	1660	96.2	50 - 146	2040	0.0392	25	
Methylene chloride	489	µg/L	SW8260C	3.44	20.0	400.0	3.49	121	30 - 192	479	1.98	25	
Surr: 1,2-Dichloroethane-d4	1,070	µg/L	SW8260C			1,000		107	72 - 151				
Surr: 4-Bromofluorobenzene	985	µg/L	SW8260C			1,000		98.5	80 - 152				
Surr: Dibromofluoromethane	996	µg/L	SW8260C			1,000		99.6	80 - 124				
Surr: Toluene-d8	1,020	µg/L	SW8260C			1,000		102	77 - 129				

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UL
Denison

WORK ORDER Summary

Work Order: **1610115**

Client: Energy Fuels Resources, Inc. Due Date: 10/21/2016

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **October Monthly Ground Water 2016** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). 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	
1610115-001A	**MW-11_10052016**	10/5/2016 1200h	10/7/2016 1040h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: MN				
				200.8-DIS-PR			DF-Dis Metals	
1610115-002A	**MW-25_10042016**	10/4/2016 1215h	10/7/2016 1040h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				2 SEL Analytes: CD U				
				200.8-DIS-PR			DF-Dis Metals	
1610115-002B				**300.0-W**			DF-WC	
				1 SEL Analytes: CL				
1610115-003A	**MW-26_10062016**	10/6/2016 0745h	10/7/2016 1040h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: U				
				200.8-DIS-PR			DF-Dis Metals	
1610115-003B				**300.0-W**			DF-WC	
				1 SEL Analytes: CL				
1610115-003C				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1610115-003D				**8260-W-DEN100**			Purge	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				
1610115-004A	**MW-30_10052016**	10/5/2016 1050h	10/7/2016 1040h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR			DF-Dis Metals	
1610115-004B				**300.0-W**			DF-WC	
				2 SEL Analytes: CL F				
1610115-004C				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1610115-005A	**MW-31_10042016**	10/4/2016 1415h	10/7/2016 1040h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: SE				
				200.8-DIS-PR			DF-Dis Metals	

Printed: 10/10/2016 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1610115**

Client: Energy Fuels Resources, Inc.

Due Date: 10/21/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1610115-005B	**MW-31_10042016**	10/4/2016 1415h	10/7/2016 1040h	**300.0-W**	Aqueous		DF-WC	1
				2 SEL Analytes: CL SO4				
1610115-005C				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1610115-005D				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1610115-006A	**MW-35_10042016**	10/4/2016 1350h	10/7/2016 1040h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				4 SEL Analytes: MN SE TL U				
				200.8-DIS-PR			DF-Dis Metals	
1610115-007A	**MW-65_10042016**	10/4/2016 1350h	10/7/2016 1040h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				4 SEL Analytes: MN SE TL U				
				200.8-DIS-PR			DF-Dis Metals	
1610115-008A	**Trip Blank**	10/6/2016	10/7/2016 1040h	**8260-W-DEN100**	Aqueous		Purge	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				

AWAL Use Only. Close Hold Times

Test Code	# Samps	Min. days left
TDS-W-2540C	1	1.01

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

16I0115
AWAL Lab Sample Set #
Page 1 of 1

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.

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Garrin Palmer**
Phone #: **(435) 678-2221** Cell #:
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: **October Monthy Ground Water 2016**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Dissolved Manganese (200.7/200.8)	Cl (4500 or 300.0)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Dissolved Thallium (200.7/200.8)	Fluoride (A4500-F C or 300.0)	SO_4 (4500 or 300.0)	VOCs Chloroform, Dichloromethane, (8260C)	Known Hazards & Sample Comments
1	MW-11_10052016	10/5/2016	1200	1	W		X										
3	MW-25_10042016	10/4/2016	1215	2	W			X		X	X						
4	MW-26_10062016	10/6/2016	745	6	W	X		X		X						X	
5	MW-30_10052016	10/5/2016	1050	3	W	X		X		X		X		X			
6	MW-31_10042016	10/4/2016	1415	4	W	X		X	X			X			X		
7	MW-35_10042016	10/4/2016	1350	1	W		X			X		X	X				
8	MW-65_10042016	10/4/2016	1350	1	W		X			X		X	X				
9	TRIP BLANK	10/6/2016		3	W											X	
10	TEMP BLANK	10/6/2016		1	W												
11																	
12																	

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 3.9 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y

Relinquished by: Signature: Tanner Holliday	Date: 10/6/2016	Received by: Signature	Date:
Print Name: TANNER HOLLIDAY	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Elena Hayes	Date: 10/7/16
Print Name:	Time:	Print Name: Elena Hayes	Time: 1041
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 1610115
pH Lot 5003

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7											
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes	Yes	Yes	Yes	Yes	Yes											
NO_2 & NO_3	pH <2 H_2SO_4				Yes	Yes	Yes.												
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171
F 843.766.1178

gel.com

November 14, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 408397

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on October 18, 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,

Linda Pullano for
Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Energy Fuels Resources (USA), Inc.
White Mesa Mill GW
SDG: 408397

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 408397

November 14, 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 October 18, 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:

Laboratory ID	Client ID
408397001	MW-35_10042016
408397002	MW-65_10042016

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.

Linda Pullano for
Julie Robinson
Project Manager

408397

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
October Monthly GW 2016	Garrin Palmer	Garrin Palmer

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-35_10042016	10/4/2016	1350	Gross Alpha
MW-65_10042016	10/4/2016	1350	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer	10/13/16 1230		10/18/16 0920
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL | Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	**SDG/AR/COC/Work Order:** 408397
Received By: AG	**Date Received:** 10/18/16

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): OCpm
Classified Radioactive II or III by RSO?		✓	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		✓		Preservation Method: Ice bags Blue ice Dry ice None Other (describe) 23°C *all temperatures are recorded in Celsius
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): ES102009185
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	Do Low Level Perchlorate samples have headspace as required?		✓		Sample ID's and containers affected:
7	VOA vials contain acid preservation?		✓		(If unknown, select No)
8	VOA vials free of headspace (defined as < 6mm bubble)?		✓		Sample ID's and containers affected:
9	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
10	Samples received within holding time?	✓			ID's and tests affected:
11	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
12	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
13	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
14	Are sample containers identifiable as GEL provided?	✓			
15	COC form is properly signed in relinquished/received sections?	✓			
16	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 1Z 187 Y44 12 9939 5528

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JR Date 10-18-16 Page 1 of 1

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 408397 October Monthly GW 2016
Client SDG: 408397
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: 15-NOV-16
Package Due Date: 13-NOV-16
EDD Due Date: 15-NOV-16
Due Date: 15-NOV-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
408397001	MW-35_10042016		04-OCT-16 13:50	18-OCT-16 09:20	-2	1	GROUND WATER		20		1		
408397002	MW-65_10042016		04-OCT-16 13:50	18-OCT-16 09:20	-2	1	GROUND WATER		20		1		

	Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001	MW-35_10042016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	y	
							Temperature (C)	23	
-002	MW-65_10042016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	y	
							Temperature (C)	23	

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**
Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001, 002
Parmname Check: All parmnames scheduled properly
Path: Standard
Product Reference: Gross Alpha
Moisture Correction: "As Received"

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

	Action	Product Name	Description	Samples
Contingent Tests				

GEL Laboratories LLC – Login Review Report

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

List of current GEL Certifications as of 14 November 2016

State	Certification
Alaska	UST-0110
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
Delaware	SC00012
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho Chemistry	SC00012
Idaho Radiochemistry	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana NELAP	03046 (AI33904)
Louisiana SDWA	LA160006
Maryland	270
Massachusetts	M-SC012
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122016-1
New Hampshire NELAP	205415
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	9904
Pennsylvania NELAP	68-00485
S.Carolina Radchem	10120002
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-16-11
Utah NELAP	SC000122016-21
Vermont	VT87156
Virginia NELAP	460202
Washington	C780
West Virginia	997404

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 408397

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1612325

Sample ID	Client ID
408397001	MW-35_10042016
408397002	MW-65_10042016
1203660591	Method Blank (MB)
1203660595	Laboratory Control Sample (LCS)
1203660592	408397002(MW-65_10042016) Sample Duplicate (DUP)
1203660593	408397002(MW-65_10042016) Matrix Spike (MS)
1203660594	408397002(MW-65_10042016) 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: 408397002 (MW-65_10042016).

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Recounts
None of the samples in this sample set were recounted.

Miscellaneous Information:

Data Exception (DER) Documentation
Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Manual Integration
No manual integrations were performed on data in this batch.

Sample-Specific MDA/MDC
The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments
The matrix spike and matrix spike duplicate, 1203660593 (MW-65_10042016MS) and 1203660594 (MW-65_10042016MSD), aliquots were reduced to conserve sample volume. The blank, 1203660591 (MB), did not meet the detection limit due to keeping the blank volume consistent with the other sample aliquots. All other samples met the detection limits.

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: 408397 GEL Work Order: 408397

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Theresa L Austin **Name: Theresa Austin**

Date: 14 NOV 2016 **Title: Group Leader**

GEL LABORATORIES LLC

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

QC Summary

Report Date: November 14, 2016

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

Contact: **Ms. Kathy Weinel**

Workorder: **408397**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1612325										
QC1203660592 408397002 DUP										
Gross Radium Alpha		4.08		3.68	pCi/L	10.4		(0%-20%)	AXM6	11/11/16 10:5
	Uncertainty	+/-0.593		+/-0.483						
QC1203660595 LCS										
Gross Radium Alpha	412			377	pCi/L		91.4	(75%-125%)		11/11/16 10:4
	Uncertainty			+/-4.81						
QC1203660591 MB										
Gross Radium Alpha			U	-0.70	pCi/L					11/11/16 10:5
	Uncertainty			+/-0.179						
QC1203660593 408397002 MS										
Gross Radium Alpha	1680	4.08		1800	pCi/L		107	(75%-125%)		11/11/16 10:5
	Uncertainty	+/-0.593		+/-22.2						
QC1203660594 408397002 MSD										
Gross Radium Alpha	1680	4.08		1830	pCi/L	1.2	109	(0%-20%)		11/11/16 10:4
	Uncertainty	+/-0.593		+/-20.7						

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

QC Summary

Workorder: 408397

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

December 2016

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly GW 2016
Lab Sample ID: 1612180-001
Client Sample ID: MW-11_12062016
Collection Date: 12/6/2016 1135h
Received Date: 12/8/2016 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	12/9/2016 1157h	12/12/2016 1237h	E200.8	0.0100	**0.202**	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly GW 2016
Lab Sample ID: 1612180-002
Client Sample ID: MW-25_12052016
Collection Date: 12/5/2016 1150h
Received Date: 12/8/2016 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	12/9/2016 1157h	12/12/2016 1253h	E200.8	0.000500	**0.00141**	
Uranium	mg/L	12/9/2016 1157h	12/12/2016 1327h	E200.8	0.000300	**0.00670**	

Reissue of a previously generated report. Information has been added, updated, or revised. Information herein supersedes that of the previously issued reports.

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

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly GW 2016
Lab Sample ID: 1612180-003
Client Sample ID: MW-26_12062016
Collection Date: 12/6/2016 1400h
Received Date: 12/8/2016 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	12/9/2016 1157h	12/12/2016 1330h	E200.8	0.000300	**0.0349**	

Reissue of a previously generated report. Information has been added, updated, or revised. Information herein supersedes that of the previously issued reports.

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

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly GW 2016
Lab Sample ID: 1612180-003
Client Sample ID: MW-26_12062016
Collection Date: 12/6/2016 1400h
Received Date: 12/8/2016 1250h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		12/14/2016 1522h	E300.0	10.0	**73.7**	
Nitrate/Nitrite (as N)	mg/L		12/14/2016 1654h	E353.2	0.100	**1.80**	

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American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly GW 2016
Lab Sample ID: 1612180-003D
Client Sample ID: MW-26_12062016
Collection Date: 12/6/2016 1400h
Received Date: 12/8/2016 1250h

Test Code: 8260-W-DEN100

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

Analyzed: 12/8/2016 1557h
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	**2,970**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	5,080	5,000	102	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	4,940	5,000	98.7	80-152	
Surr: Dibromofluoromethane	1868-53-7	4,890	5,000	97.9	70-130	
Surr: Toluene-d8	2037-26-5	5,040	5,000	101	77-129	

~ - The reporting limits were raised due to high analyte concentrations.

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Analyzed: 12/8/2016 1518h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Methylene chloride	75-09-2	1.00	**5.08**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.5	50.00	99.0	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.9	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	46.6	50.00	93.2	70-130	
Surr: Toluene-d8	2037-26-5	50.3	50.00	101	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly GW 2016
Lab Sample ID: 1612180-004
Client Sample ID: MW-30_12062016
Collection Date: 12/6/2016 1035h
Received Date: 12/8/2016 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	12/9/2016 1157h	12/12/2016 1259h	E200.8	0.00500	**0.0421**	
Uranium	mg/L	12/9/2016 1157h	12/12/2016 1333h	E200.8	0.000300	**0.00863**	

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

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly GW 2016
Lab Sample ID: 1612180-004
Client Sample ID: MW-30_12062016
Collection Date: 12/6/2016 1035h
Received Date: 12/8/2016 1250h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		12/14/2016 1629h	E300.0	20.0	**158**	
Fluoride	mg/L		12/14/2016 1538h	E300.0	0.100	**0.385**	
Nitrate/Nitrite (as N)	mg/L		12/14/2016 1658h	E353.2	0.100	**18.2**	

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Salt Lake City, UT 84119

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly GW 2016
Lab Sample ID: 1612180-005
Client Sample ID: MW-31_12052016
Collection Date: 12/5/2016 1345h
Received Date: 12/8/2016 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	12/9/2016 1157h	12/12/2016 1302h	E200.8	0.00500	**0.0871**	
Uranium	mg/L	12/9/2016 1157h	12/12/2016 1337h	E200.8	0.000300	**0.0103**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly GW 2016
Lab Sample ID: 1612180-005
Client Sample ID: MW-31_12052016
Collection Date: 12/5/2016 1345h
Received Date: 12/8/2016 1250h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		12/14/2016 1646h	E300.0	100	**274**	
Nitrate/Nitrite (as N)	mg/L		12/14/2016 1806h	E353.2	0.200	**18.5**	
Sulfate	mg/L		12/14/2016 1646h	E300.0	100	**748**	
Total Dissolved Solids	mg/L		12/9/2016 1130h	SM2540C	20.0	**1,670**	

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Salt Lake City, UT 84119

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly GW 2016
Lab Sample ID: 1612180-006
Client Sample ID: MW-35_12052016
Collection Date: 12/5/2016 1400h
Received Date: 12/8/2016 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	12/9/2016 1157h	12/12/2016 1315h	E200.8	0.0100	**0.189**	
Selenium	mg/L	12/9/2016 1157h	12/12/2016 1315h	E200.8	0.00500	**0.0219**	
Uranium	mg/L	12/9/2016 1157h	12/12/2016 1340h	E200.8	0.000300	**0.0240**	

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Salt Lake City, UT 84119

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

Certificate of Analysis

Report Date: January 11, 2017

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_12052016	Project:	DNMI00100
Sample ID:	412449001	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	05-DEC-16 14:00		
Receive Date:	12-DEC-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		2.80	+/-0.457	0.997	1.00	pCi/L			AXM6	01/10/17	1716	1630050	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"			97.8	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly GW 2016
Lab Sample ID: 1612180-007
Client Sample ID: MW-65_12062016
Collection Date: 12/6/2016 1035h
Received Date: 12/8/2016 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	12/9/2016 1157h	12/12/2016 1318h	E200.8	0.00500	**0.0436**	
Uranium	mg/L	12/9/2016 1157h	12/12/2016 1343h	E200.8	0.000300	**0.00868**	

3440 South 700 West
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly GW 2016
Lab Sample ID: 1612180-007
Client Sample ID: MW-65_12062016
Collection Date: 12/6/2016 1035h
Received Date: 12/8/2016 1250h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		12/14/2016 1613h	E300.0	10.0	**155**	
Fluoride	mg/L		12/14/2016 1556h	E300.0	0.100	**0.355**	
Nitrate/Nitrite (as N)	mg/L		12/14/2016 1704h	E353.2	0.100	**18.4**	

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3440 South 700 West
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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly GW 2016
Lab Sample ID: 1612180-008A
Client Sample ID: Trip Blank
Collection Date: 12/5/2016
Received Date: 12/8/2016 1250h

Test Code: 8260-W-DEN100

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

Analyzed: 12/8/2016 1459h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.5	50.00	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.3	50.00	107	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.6	50.00	99.3	70-130	
Surr: Toluene-d8	2037-26-5	51.6	50.00	103	77-129	

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American West
ANALYTICAL LABORATORIES

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: December Monthly GW 2016

Dear Garrin Palmer: Lab Set ID: 1612180

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

American West Analytical Laboratories received sample(s) on 12/8/2016 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 12/20/2016. Information herein supersedes that of the previously issued reports. Pages 1, 2, 6-7, 12, and 16 have been revised. The Client Sample IDs and Collection Dates have been revised.

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: 2016.12.21 14:31:26 -07'00'

Laboratory Director or designee

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

REVISED SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly GW 2016
Lab Set ID: 1612180
Date Received: 12/8/2016 1250h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1612180-001A	MW-11_12062016	12/6/2016 1135h	Aqueous	ICPMS Metals, Dissolved
1612180-002A	MW-25_12052016	12/5/2016 1150h	Aqueous	ICPMS Metals, Dissolved
1612180-003A	MW-26_12062016	12/6/2016 1400h	Aqueous	ICPMS Metals, Dissolved
1612180-003B	MW-26_12062016	12/6/2016 1400h	Aqueous	Nitrite/Nitrate (as N), E353.2
1612180-003C	MW-26_12062016	12/6/2016 1400h	Aqueous	Anions, E300.0
1612180-003D	MW-26_12062016	12/6/2016 1400h	Aqueous	VOA by GC/MS Method 8260C/5030C
1612180-004A	MW-30_12062016	12/6/2016 1035h	Aqueous	ICPMS Metals, Dissolved
1612180-004B	MW-30_12062016	12/6/2016 1035h	Aqueous	Nitrite/Nitrate (as N), E353.2
1612180-004C	MW-30_12062016	12/6/2016 1035h	Aqueous	Anions, E300.0
1612180-005A	MW-31_12052016	12/5/2016 1345h	Aqueous	ICPMS Metals, Dissolved
1612180-005B	MW-31_12052016	12/5/2016 1345h	Aqueous	Nitrite/Nitrate (as N), E353.2
1612180-005C	MW-31_12052016	12/5/2016 1345h	Aqueous	Anions, E300.0
1612180-005D	MW-31_12052016	12/5/2016 1345h	Aqueous	Total Dissolved Solids, A2540C
1612180-006A	MW-35_12052016	12/5/2016 1400h	Aqueous	ICPMS Metals, Dissolved
1612180-007A	MW-65_12062016	12/6/2016 1035h	Aqueous	ICPMS Metals, Dissolved
1612180-007B	MW-65_12062016	12/6/2016 1035h	Aqueous	Nitrite/Nitrate (as N), E353.2
1612180-007C	MW-65_12062016	12/6/2016 1035h	Aqueous	Anions, E300.0
1612180-008A	Trip Blank	12/5/2016	Aqueous	VOA by GC/MS Method 8260C/5030C

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Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	December Monthly GW 2016
Lab Set ID:	1612180

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
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Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	12/8/2016
Dates of Collection:	12/5-12/6/2016
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, indicating no apparent matrix interferences.

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	December Monthly GW 2016
Lab Set ID:	1612180

Sample Receipt Information:

Date of Receipt:	12/8/2016
Dates of Collection:	12/5-12/6/2016
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.

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1612180
Project: December 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-46478	Date Analyzed:	12/12/2016 1234h											
Test Code: 200.8-DIS	Date Prepared:	12/09/2016 1157h											
Cadmium	0.207	mg/L	E200.8	0.0000666	0.000500	0.2000	0	103	85 - 115				
Manganese	0.207	mg/L	E200.8	0.000560	0.00200	0.2000	0	103	85 - 115				
Selenium	0.204	mg/L	E200.8	0.000310	0.00200	0.2000	0	102	85 - 115				
Uranium	0.210	mg/L	E200.8	0.0000710	0.00200	0.2000	0	105	85 - 115				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1612180
Project: December 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-46478**	Date Analyzed:	12/12/2016 1221h											
Test Code:	200.8-DIS	Date Prepared:	12/09/2016 1157h											
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-46478**	Date Analyzed:	12/12/2016 1321h											
Test Code:	200.8-DIS	Date Prepared:	12/09/2016 1157h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1612180
Project: December 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: 1612180-001AMS	Date Analyzed:	12/12/2016 1246h											
Test Code: 200.8-DIS	Date Prepared:	12/09/2016 1157h											
Cadmium	0.202	mg/L	E200.8	0.0000666	0.000500	0.2000	0	101	75 - 125				
Manganese	0.396	mg/L	E200.8	0.000560	0.00200	0.2000	0.202	97.0	75 - 125				
Selenium	0.200	mg/L	E200.8	0.000310	0.00200	0.2000	0	99.8	75 - 125				
Uranium	0.208	mg/L	E200.8	0.0000710	0.00200	0.2000	0.00106	103	75 - 125				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1612180
Project: December 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: 1612180-001AMSD	Date Analyzed:	12/12/2016 1250h											
Test Code: 200.8-DIS	Date Prepared:	12/09/2016 1157h											
Cadmium	0.203	mg/L	E200.8	0.0000666	0.000500	0.2000	0	102	75 - 125	0.202	0.383	20	
Manganese	0.399	mg/L	E200.8	0.000560	0.00200	0.2000	0.202	98.3	75 - 125	0.396	0.665	20	
Selenium	0.202	mg/L	E200.8	0.000310	0.00200	0.2000	0	101	75 - 125	0.2	0.903	20	
Uranium	0.211	mg/L	E200.8	0.0000710	0.00200	0.2000	0.00106	105	75 - 125	0.208	1.44	20	

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Kyle F. Gross
Laboratory Director

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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1612180
Project: December 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: 1612180-005DDUP Date Analyzed: 12/09/2016 1130h Test Code: TDS-W-2540C													
Total Dissolved Solids	1,650	mg/L	SM2540C	17.5	20.0					1670	1.20	5	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1612180
Project: December 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-R96859 Date Analyzed: 12/14/2016 1203h													
Test Code: 300.0-W													
Chloride	5.38	mg/L	E300.0	0.00516	0.100	5.000	0	108	90 - 110				
Fluoride	5.22	mg/L	E300.0	0.0139	0.100	5.000	0	104	90 - 110				
Sulfate	4.86	mg/L	E300.0	0.0201	0.750	5.000	0	97.2	90 - 110				
Lab Sample ID: LCS-R96866 Date Analyzed: 12/14/2016 1649h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.04	mg/L	E353.2	0.00833	0.0100	1.000	0	104	90 - 110				
Lab Sample ID: LCS-R96710 Date Analyzed: 12/09/2016 1130h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	222	mg/L	SM2540C	8.77	10.0	205.0	0	108	80 - 120				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1612180
Project: December 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-R96859 Date Analyzed: 12/14/2016 1146h													
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-R96866 Date Analyzed: 12/14/2016 1647h													
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-R96710 Date Analyzed: 12/09/2016 1130h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								
Lab Sample ID: MB-SPLP-46436 Date Analyzed: 12/09/2016 1130h													
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: 1612180
Project: December 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: 1612180-005CMS Date Analyzed: 12/14/2016 1703h													
Test Code: 300.0-W													
Chloride	1,340	mg/L	E300.0	1.03	20.0	1,000	274	107	90 - 110				
Fluoride	1,050	mg/L	E300.0	2.78	20.0	1,000	7.81	104	90 - 110				
Sulfate	1,790	mg/L	E300.0	4.02	150	1,000	748	104	90 - 110				
Lab Sample ID: 1612180-003BMS Date Analyzed: 12/14/2016 1655h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.5	mg/L	E353.2	0.0833	0.100	10.00	1.8	96.6	90 - 110				

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Laboratory Director

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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1612180
Project: December 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: 1612180-005CMSD Date Analyzed: 12/14/2016 1720h													
Test Code: 300.0-W													
Chloride	1,330	mg/L	E300.0	1.03	20.0	1,000	274	105	90 - 110	1340	0.918	20	
Fluoride	1,040	mg/L	E300.0	2.78	20.0	1,000	7.81	103	90 - 110	1050	0.872	20	
Sulfate	1,780	mg/L	E300.0	4.02	150	1,000	748	103	90 - 110	1790	0.555	20	
Lab Sample ID: 1612180-003BMSD Date Analyzed: 12/14/2016 1657h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	12.0	mg/L	E353.2	0.0833	0.100	10.00	1.8	102	90 - 110	11.5	4.19	10	

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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1612180
Project: December 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-2 120816A Date Analyzed: 12/08/2016 1103h													
Test Code: 8260-W-DEN100													
Chloroform	19.9	µg/L	SW8260C	0.153	1.00	20.00	0	99.3	85 - 124				
Methylene chloride	19.1	µg/L	SW8260C	0.172	1.00	20.00	0	95.6	71 - 135				
Surr: 1,2-Dichloroethane-d4	51.8	µg/L	SW8260C			50.00		104	80 - 125				
Surr: 4-Bromofluorobenzene	49.1	µg/L	SW8260C			50.00		98.1	85 - 121				
Surr: Dibromofluoromethane	51.7	µg/L	SW8260C			50.00		103	77 - 118				
Surr: Toluene-d8	50.0	µg/L	SW8260C			50.00		100	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1612180
Project: December 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-2 120816A Date Analyzed: 12/08/2016 1142h													
Test Code: 8260-W-DEN100													
Chloroform	< 1.00	µg/L	SW8260C	0.153	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.172	1.00								
Surr: 1,2-Dichloroethane-d4	50.4	µg/L	SW8260C			50.00		101	80 - 125				
Surr: 4-Bromofluorobenzene	51.4	µg/L	SW8260C			50.00		103	85 - 121				
Surr: Dibromofluoromethane	49.0	µg/L	SW8260C			50.00		98.0	77 - 118				
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: 1612180
Project: December 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: 1612180-003DMS Date Analyzed: 12/08/2016 1617h Test Code: 8260-W-DEN100													
Chloroform	5,020	µg/L	SW8260C	15.3	100	2,000	2970	103	50 - 146				
Methylene chloride	1,990	µg/L	SW8260C	17.2	100	2,000	0	99.7	30 - 192				
Surr: 1,2-Dichloroethane-d4	5,140	µg/L	SW8260C			5,000		103	72 - 151				
Surr: 4-Bromofluorobenzene	4,960	µg/L	SW8260C			5,000		99.3	80 - 152				
Surr: Dibromofluoromethane	5,040	µg/L	SW8260C			5,000		101	70 - 130				
Surr: Toluene-d8	5,010	µg/L	SW8260C			5,000		100	77 - 129				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1612180
Project: December 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: 1612180-003DMSD Date Analyzed: 12/08/2016 1636h													
Test Code: 8260-W-DEN100													
Chloroform	5,220	µg/L	SW8260C	15.3	100	2,000	2970	113	50 - 146	5020	3.88	25	
Methylene chloride	2,090	µg/L	SW8260C	17.2	100	2,000	0	105	30 - 192	1990	4.89	25	
Surr: 1,2-Dichloroethane-d4	5,220	µg/L	SW8260C			5,000		104	72 - 151				
Surr: 4-Bromofluorobenzene	5,040	µg/L	SW8260C			5,000		101	80 - 152				
Surr: Dibromofluoromethane	5,090	µg/L	SW8260C			5,000		102	70 - 130				
Surr: Toluene-d8	5,100	µg/L	SW8260C			5,000		102	77 - 129				

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

American West Analytical Laboratories

REVISED: 12/21/2016

The Sample IDs and Collected Dates on samples -002 and -003 have been corrected per Kathy Weinel. -MC

UL
Denison

WORK ORDER Summary

Work Order: **1612180**

Client: Energy Fuels Resources, Inc. Due Date: 12/22/2016

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **December 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	
1612180-001A	**MW-11_12062016**	12/6/2016 1135h	12/8/2016 1250h	**200.8-DIS**	Aqueous	☑	df-dismetals	1
				1 SEL Analytes: MN				
				200.8-DIS-PR		☐	df-dismetals	
1612180-002A	**MW-25_12052016**	12/5/2016 1150h	12/8/2016 1250h	**200.8-DIS**	Aqueous	☑	df-dismetals	1
				2 SEL Analytes: CD U				
				200.8-DIS-PR		☐	df-dismetals	
1612180-003A	**MW-26_12062016**	12/6/2016 1400h	12/8/2016 1250h	**200.8-DIS**	Aqueous	☑	df-dismetals	1
				1 SEL Analytes: U				
				200.8-DIS-PR		☐	df-dismetals	
1612180-003B				**NO2/NO3-W-353.2**		☑	DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1612180-003C				**300.0-W**		☑	DF-cl	
				1 SEL Analytes: CL				
1612180-003D				**8260-W-DEN100**		☑	Purge	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				
1612180-004A	**MW-30_12062016**	12/6/2016 1035h	12/8/2016 1250h	**200.8-DIS**	Aqueous	☑	df-dismetals	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR		☐	df-dismetals	
1612180-004B				**NO2/NO3-W-353.2**		☑	DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1612180-004C				**300.0-W**		☑	DF-cl	
				2 SEL Analytes: CL F				
1612180-005A	**MW-31_12052016**	12/5/2016 1345h	12/8/2016 1250h	**200.8-DIS**	Aqueous	☑	df-dismetals	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR		☐	df-dismetals	
1612180-005B				**NO2/NO3-W-353.2**		☑	DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				

Printed: 12/21/2016 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1612180**

Client: Energy Fuels Resources, Inc. Due Date: 12/22/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1612180-005C	**MW-31_12052016**	12/5/2016 1345h	12/8/2016 1250h	**300.0-W**	Aqueous	☑	DF-cl	1
				2 SEL Analytes: CL SO4				
1612180-005D				**TDS-W-2540C**		☑	DF-tds	
				1 SEL Analytes: TDS				
1612180-006A	**MW-35_12052016**	12/5/2016 1400h	12/8/2016 1250h	**200.8-DIS**	Aqueous	☑	df-dismetals	1
				3 SEL Analytes: MN SE U				
				200.8-DIS-PR		☐	df-dismetals	
1612180-007A	**MW-65_12062016**	12/6/2016 1035h	12/8/2016 1250h	**200.8-DIS**	Aqueous	☑	df-dismetals	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR		☐	df-dismetals	
1612180-007B				**NO2/NO3-W-353.2**		☑	DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1612180-007C				**300.0-W**		☑	DF-cl	
				2 SEL Analytes: CL F				
1612180-008A	**Trip Blank**	12/5/2016	12/8/2016 1250h	**8260-W-DEN100**	Aqueous	☑	Purge	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

1612180
AWAL Lab Sample Set #
Page 1 of 1

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.

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Garrin Palmer**
Phone #: **(435) 678-2221** Cell #: 4354599463
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: **December Monthly GW 2016**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

Known Hazards & Sample Comments

	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)	SO_4 (4500 or 300.0)	VOCs Chloroform, Dichloromethane, (8260C)
1	MW-11_12062016	12/6/2016	1135	1	w		X									
2	~~MW-25_12062016~~ MW-25_12052016 12/5/16	~~12/6/2016~~	1150	1	w					X	X					
3	~~MW-26_12052016~~ MW-26-12062016 12/6/16	~~12/5/2016~~	1400	6	w	X		X		X						X
4	MW-30_12062016 mc 12/21/16 mc 12/21/16	12/6/2016	1035	3	w	X		X		X		X		X		
5	MW-31_12052016	12/5/2016	1345	4	w	X		X	X	X		X			X	
6	MW-35_12052016	12/5/2016	1400	1	w		X			X		X				
7	MW-65_12062016	12/6/2016	1035	3	w	X		X		X		X		X		
8	Trip Blank	12/5/2016		3	w											X
10	Temp Blank			1	w											
11																
12																

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 1.3 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

1 Present on Outer Package Y N ~~NA~~ self
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	Date:	Received by: Signature	Date:
Garrin Palmer	12/7/16		
Print Name: Garrin Palmer	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date: 12/8/16
	Time:	Print Name: Elena Hayward	Time: 1250
Relinquished by: Signature	Date:	Received by: Signature	Date:
	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
	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.

Sample IDs and Date Sampled corrected per Kathy Weinel email on 12/21/16. -mc

Lab Set ID: 1612180

pH Lot #: 5000

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7											
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes	Yes	Yes	Yes	Yes	Yes											
NO_2 & NO_3	pH <2 H_2SO_4	~~Yes~~		Yes	Yes	Yes		Yes											
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH >9 NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > due to the sample matrix interference.

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171
F 843.766.1178

gel.com

January 11, 2017

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 412449

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on December 12, 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,

Linda Pullano for
Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Energy Fuels Resources (USA), Inc.
White Mesa Mill GW
SDG: 412449

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 412449

January 11, 2017

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 December 12, 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:

Laboratory ID	Client ID
412449001	MW-35_12052016

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.

Linda Pullano for
Julie Robinson
Project Manager

42449

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
December Monthly GW 2016	Tanner Holliday	Garrin Palmer

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-35_12052016	12/5/2016	1400	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer Garrin Palmer	12/7/16 1230	Ashley Brown	12/12/16 0900
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DWMI	SDG/AR/COC/Work Order: 412449
Received By: AG	Date Received: 12/12/16

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0cpm
Classified Radioactive II or III by RSO?		✓	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		✓		Preservation Method: Ice bags Blue ice Dry ice None Other (describe) *all temperatures are recorded in Celsius 12°C Corr
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): ES102091688
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	Do Low Level Perchlorate samples have headspace as required?		✓		Sample ID's and containers affected:
7	VOA vials contain acid preservation?		✓		(If unknown, select No)
8	VOA vials free of headspace (defined as < 6mm bubble)?		✓		Sample ID's and containers affected:
9	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
10	Samples received within holding time?	✓			ID's and tests affected:
11	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
12	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
13	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
14	Are sample containers identifiable as GEL provided?	✓			
15	COC form is properly signed in relinquished/received sections?	✓			
16	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 1Z 187 Y4Y 12 9681 2651

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JR Date 12-14-16 Page 1 of 1

GL-CHL-SR-001 Rev 3

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 412449 December Monthly GW 2016
Client SDG: 412449
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: 11-JAN-17
Package Due Date: 09-JAN-17
EDD Due Date: 11-JAN-17
Due Date: 11-JAN-17
HXT1

Collector: C
Prelogin #: 20160949414
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
412449001	MW-35_12052016		05-DEC-16 14:00	12-DEC-16 09:00	-2	1	WATER		20		1		

	Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001	MW-35_12052016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	y	
							Temperature (C)	12	

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**
Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001
Parmname Check: All parmnames scheduled properly
Path: Standard
Product Reference: Gross Alpha
Moisture Correction: "As Received"

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

Contingent Tests

Action	Product Name	Description	Samples

Login Requirements:

Requirement	Include?	Comments

GEL Laboratories LLC – Login Review Report

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

List of current GEL Certifications as of 11 January 2017

State	Certification
Alaska	UST-0110
Arkansas	88-0651
CLIA	42D0904046
California	2940
Colorado	SC00012
Connecticut	PH-0169
Delaware	SC00012
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-15-00283, P330-15-00253
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC00012
Idaho Chemistry	SC00012
Idaho Radiochemistry	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky SDWA	90129
Kentucky Wastewater	90129
Louisiana NELAP	03046 (AI33904)
Louisiana SDWA	LA170010
Maryland	270
Massachusetts	M-SC012
Michigan	9976
Mississippi	SC00012
Nebraska	NE-OS-26-13
Nevada	SC000122016-1
New Hampshire NELAP	205415
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
North Dakota	R-158
Oklahoma	9904
Pennsylvania NELAP	68-00485
S.Carolina Radchem	10120002
South Carolina Chemistry	10120001
Tennessee	TN 02934
Texas NELAP	T104704235-16-11
Utah NELAP	SC000122016-21
Vermont	VT87156
Virginia NELAP	460202
Washington	C780
West Virginia	997404

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 412449

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1630050

Sample ID	Client ID
412449001	MW-35_12052016
1203704793	Method Blank (MB)
1203704797	Laboratory Control Sample (LCS)
1203704794	412449001(MW-35_12052016) Sample Duplicate (DUP)
1203704795	412449001(MW-35_12052016) Matrix Spike (MS)
1203704796	412449001(MW-35_12052016) 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: The sample and the duplicate, 1203704794 (MW-35_12052016DUP) and 412449001 (MW-35_12052016), did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with a value of

2.3172.

Designated QC
The following sample was used for QC: 412449001 (MW-35_12052016).

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 reprepped 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
Sample 412449001 (MW-35_12052016) was recounted due to a detector lock out condition. 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, 1203704795 (MW-35_12052016MS) and 1203704796 (MW-35_12052016MSD), 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: 412449 GEL Work Order: 412449

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Heather McCarty **Name: Heather McCarty**

Date: 11 JAN 2017 **Title: Analyst II**

GEL LABORATORIES LLC

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

QC Summary

Report Date: January 11, 2017

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

Contact: **Ms. Kathy Weinel**

Workorder: **412449**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch 1630050											
QC1203704794 412449001 DUP											
Gross Radium Alpha		2.80		4.75	pCi/L	51.7*		(0%-20%)	AXM6	01/10/17	12:4
	Uncertainty	+/-0.457		+/-0.521							
QC1203704797 LCS											
Gross Radium Alpha	550			454	pCi/L		82.6	(75%-125%)		01/10/17	12:4
	Uncertainty			+/-8.70							
QC1203704793 MB											
Gross Radium Alpha			U	-0.249	pCi/L					01/10/17	12:4
	Uncertainty			+/-0.174							
QC1203704795 412449001 MS											
Gross Radium Alpha	1680	2.80		1700	pCi/L		101	(75%-125%)		01/10/17	12:4
	Uncertainty	+/-0.457		+/-29.8							
QC1203704796 412449001 MSD											
Gross Radium Alpha	1680	2.80		1890	pCi/L	10.4	113	(0%-20%)		01/10/17	12:4
	Uncertainty	+/-0.457		+/-35.0							

Notes:

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

The Qualifiers in this report are defined as follows:

**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
A	The TIC is a suspected aldol-condensation product
B	For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
F	Estimated Value
H	Analytical holding time was exceeded
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
M	M if above MDC and less than LLD
M	Matrix Related Failure
N/A	RPD or %Recovery limits do not apply.
N1	See case narrative
ND	Analyte concentration is not detected above the detection limit

QC Summary

Workorder: 412449

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab G

Quality Assurance and Data Validation Tables

G-1A: 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	11/8/2016	181.03	185	Y	1896	1897	0.05	6.52	6.54	0.31	15.39	15.37	0.13	401	399	0.50	1.6	1.7	N	6.06
MW-02	11/8/2016	114.29	120	Y	3698	3698	0.00	6.58	6.58	0.00	15.90	15.80	0.63	408	407	0.25	0	0	N	0.00
MW-03	11/8/2016	23.21	25	Y	5681	5673	0.14	6.41	6.40	0.16	16.87	16.90	0.18	452	450	0.44	5.1	5.2	Y	1.94
MW-03A	42682.00	65.55	60.00	Pumped dry	5747.00	5765.00	0.31	6.40	6.35	0.78	16.24	16.00	1.49	NM		NC	NM		N	NC
MW-05	11/9/2016	194.09	200	Y	2839	2846	0.25	6.77	6.81	0.59	15.20	15.15	0.33	483	480	0.62	0	0	N	0.00
MW-11	11/7/2016	265.05	270	Y	2972	2985	0.44	6.61	6.63	0.30	15.19	15.20	0.07	461	457	0.87	5.2	5.2	Y	0.00
MW-12	11/8/2016	133.12	140	Y	3868	3874	0.15	6.44	6.43	0.16	19.35	19.34	0.05	411	412	0.24	3.5	3.5	N	0.00
MW-14	11/2/2016	155.45	160	Y	3914	3912	0.05	6.62	6.59	0.45	15.20	15.15	0.33	507	508	0.20	7.8	7.9	Y	1.27
MW-15	11/3/2016	185.84	190	Y	4230	4251	0.50	6.77	6.68	1.34	15.80	15.90	0.63	508	510	0.39	7.0	7.2	Y	2.82
MW-17	11/16/2016	243.08	250	Y	3803	3802	0.03	6.53	6.53	0.00	14.56	14.56	0.00	459	459	0.00	0	0	N	0.00
MW-17 Resample	12/13/2016	242.36	250	Y	3947	3942	0.13	6.55	6.55	0.00	14.46	14.47	0.07	467	465	0.43	3.3	3.4	N	2.99
MW-18	11/2/2016	371.39	375	Y	3361	3322	1.17	6.59	6.55	0.61	14.98	14.95	0.20	516	516	0.00	7.1	7.4	Y	4.14
MW-19	11/7/2016	519.93	520	Y	1381	1380	0.07	6.49	6.47	0.31	15.83	15.79	0.25	457	457	0.00	2.0	2.1	N	4.88
MW-20	11/16/2016	NA	NA	Bailed dry	5785	5829	0.76	6.60	6.63	0.45	15.49	15.44	0.32	NM		NC	NM		N	NC
MW-22	11/16/2016	285.75	300	Y	7684	7680	0.05	4.51	4.51	0.00	14.77	14.78	0.07	550	551	0.18	2.0	2.0	N	0.00
MW-23	11/16/2016	108.21	110	Pumped dry	3951	3955	0.10	6.23	6.26	0.48	15.01	15.05	0.27	NM		NC	NM		N	NC
MW-24	11/2/2016	49.11	60	Pumped dry	4355	4380	0.57	5.51	5.48	0.55	16.00	16.11	0.69	NM		NC	NM		N	NC
MW-25	11/2/2016	226.23	230	Y	3181	3185	0.13	6.68	6.65	0.45	15.30	15.28	0.13	515	515	0.00	17.0	17.0	Y	0.00
MW-26	11/9/2016	NA			3447		NC	5.90		NC	15.96		NC	530		NC	1.8		N	NC
MW-27	11/1/2016	244.46	245	Y	1395	1396	0.07	6.94	6.93	0.14	14.99	15.00	0.07	504	505	0.20	7.4	7.4	Y	0.00
MW-28	11/1/2016	211.24	215	Y	3980	3969	0.28	6.28	6.21	1.12	15.00	14.92	0.53	532	535	0.56	8.5	8.6	Y	1.17
MW-29	11/8/2016	157.98	160	Y	4573	4560	0.28	6.37	6.35	0.31	15.62	15.59	0.19	420	420	0.00	24	25	Y	4.08
MW-30	11/3/2016	207.93	225	Y	2082	2083	0.05	6.96	6.94	0.29	15.07	15.03	0.27	483	485	0.41	7.0	7.3	Y	4.20
MW-31	11/1/2016	372.11	375	Y	2411	2417	0.25	6.93	6.92	0.14	15.11	15.09	0.13	498	498	0.00	19	19	Y	0.00
MW-32	10/31/2016	329.81	330	Y	3814	3817	0.08	6.40	6.38	0.31	14.82	14.88	0.40	528	522	1.14	15.0	15.3	Y	1.98
MW-35	11/9/2016	72.52	75	Y	2423	2403	0.83	6.29	6.30	0.16	16.20	16.15	0.31	510	508	0.39	0	0	N	0.00
MW-36	11/9/2016	66.80	80	Y	4759	4776	0.36	6.30	6.32	0.32	16.03	16.02	0.06	509	506	0.59	0	0	N	0.00
MW-37	11/16/2016	NA	NA	Bailed dry	4301	4329	0.65	5.98	6.05	1.16	15.50	15.47	0.19	NM		NC	NM		N	NC

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements less than 5 NTU are included for information purposes only.

MW-26 is a continuously pumped well.

Well was purged dry.

N/A = The amount of water in the well was insufficient to purge. The pump was not able to operate due to the minimal amount of water. The well was purged and sampled with a bailer.

NM = Not Measured. The QAP does not require the measurement of redox potential or turbidity in wells that were purged to dryness.

NC = Not calculated.

Well was purged dry after 2 casing volumes were removed.

G-1B: Acelerated Field Data QA/QC Evaluation

Well	Sample Date	Time Req'd for 2 Casings	Time Pumped (min)	Amount Sufficient?	Conductance		RPD (%)	pH		RPD (%)	Temp (°C)		RPD (%)	Redox Potential (Eh)		RPD (%)	Turbidity (NTU)		<5 (NTU)	RPD (%)
Accelerated October Monthly																				
MW-11	10/5/2016	266.79	270	Y	2780	2790	0.36	7.36	7.35	0.14	17.29	17.27	0.12	474	478	0.84	3.0	3.1	Y	3.28
MW-14	10/5/2016	156.78	160	Y	3400	3487	2.53	6.70	6.69	0.15	16.43	16.40	0.18	510	511	0.20	9.2	9.2	N	0.00
MW-25	10/4/2016	227.85	240	Y	3213	3204	0.28	6.67	6.66	0.15	14.93	14.95	0.13	541	541	0.00	33	33	N	0.00
MW-26	10/6/2016	NA			3531		NC	6.68		NC	13.60		NC	526		NC	0.7		Y	NC
MW-30	10/5/2016	210.82	215	Y	2104	2095	0.43	6.88	6.87	0.15	14.89	14.87	0.13	524	524	0.00	7.0	7.1	N	1.42
MW-31	10/4/2016	372.24	375	Y	2423	2420	0.12	7.01	6.99	0.29	15.14	15.12	0.13	497	497	0.00	8.6	8.7	N	1.16
MW-35	10/4/2016	75.23	80	Y	4237	4212	0.59	6.78	6.73	0.74	15.15	15.17	0.13	536	537	0.19	0	0	Y	0.00
Accelerated December Monthly																				
MW-11	12/6/2016	265.11	270	Y	2960	2972	0.40	6.68	6.71	0.45	14.10	14.10	0.00	464	462	0.43	0	0	Y	0.00
MW-14	12/6/2016	157.98	160	Y	3908	3900	0.20	6.40	6.38	0.31	14.31	14.29	0.14	363	362	0.28	0	0	Y	0.00
MW-25	12/5/2016	227.19	240	Y	3191	3196	0.16	6.71	6.70	0.15	14.95	14.96	0.07	529	528	0.19	18	18	N	0.00
MW-26	12/6/2016	NA			3446		NC	6.25		NC	14.40		NC	486		NC	5.0		N	NC
MW-30	12/6/2016	211.36	215	Y	2075	2075	0.00	6.30	6.34	0.63	14.42	14.39	0.21	489	487	0.41	0	0	Y	0.00
MW-31	12/5/2016	372.42	375	Y	2413	2408	0.21	6.80	6.79	0.15	14.70	14.62	0.55	462	462	0.00	10.5	10.7	N	0.00
MW-35	12/5/2016	74.80	75	Y	4139	4143	0.10	6.51	6.50	0.15	14.15	14.17	0.14	474	475	0.21	3.3	3.3	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
MW-01	2-Butanone	11/8/2016	11/14/2016	6	14	OK
MW-01	Acetone	11/8/2016	11/14/2016	6	14	OK
MW-01	Ammonia (as N)	11/8/2016	11/17/2016	9	28	OK
MW-01	Arsenic	11/8/2016	11/18/2016	10	180	OK
MW-01	Benzene	11/8/2016	11/14/2016	6	14	OK
MW-01	Beryllium	11/8/2016	11/18/2016	10	180	OK
MW-01	Bicarbonate (as CaCO3)	11/8/2016	11/14/2016	6	14	OK
MW-01	Cadmium	11/8/2016	11/18/2016	10	180	OK
MW-01	Calcium	11/8/2016	11/18/2016	10	180	OK
MW-01	Carbon tetrachloride	11/8/2016	11/14/2016	6	14	OK
MW-01	Carbonate (as CaCO3)	11/8/2016	11/14/2016	6	14	OK
MW-01	Chloride	11/8/2016	11/21/2016	13	28	OK
MW-01	Chloroform	11/8/2016	11/14/2016	6	14	OK
MW-01	Chloromethane	11/8/2016	11/14/2016	6	14	OK
MW-01	Chromium	11/8/2016	11/18/2016	10	180	OK
MW-01	Cobalt	11/8/2016	11/18/2016	10	180	OK
MW-01	Copper	11/8/2016	11/28/2016	20	180	OK
MW-01	Fluoride	11/8/2016	11/21/2016	13	28	OK
MW-01	Gross Radium Alpha	11/8/2016	12/9/2016	31	180	OK
MW-01	Iron	11/8/2016	11/18/2016	10	180	OK
MW-01	Lead	11/8/2016	11/18/2016	10	180	OK
MW-01	Magnesium	11/8/2016	11/18/2016	10	180	OK
MW-01	Manganese	11/8/2016	11/28/2016	20	180	OK
MW-01	Mercury	11/8/2016	11/18/2016	10	180	OK
MW-01	Methylene chloride	11/8/2016	11/14/2016	6	14	OK
MW-01	Molybdenum	11/8/2016	11/18/2016	10	180	OK
MW-01	Naphthalene	11/8/2016	11/14/2016	6	14	OK
MW-01	Nickel	11/8/2016	11/18/2016	10	180	OK
MW-01	Nitrate/Nitrite (as N)	11/8/2016	11/17/2016	9	28	OK
MW-01	Potassium	11/8/2016	11/18/2016	10	180	OK
MW-01	Selenium	11/8/2016	11/18/2016	10	180	OK
MW-01	Silver	11/8/2016	11/18/2016	10	180	OK
MW-01	Sodium	11/8/2016	11/18/2016	10	180	OK
MW-01	Sulfate	11/8/2016	11/21/2016	13	28	OK
MW-01	Tetrahydrofuran	11/8/2016	11/14/2016	6	14	OK
MW-01	Thallium	11/8/2016	11/18/2016	10	180	OK
MW-01	Tin	11/8/2016	11/29/2016	21	180	OK
MW-01	Toluene	11/8/2016	11/14/2016	6	14	OK
MW-01	Total Dissolved Solids	11/8/2016	11/11/2016	3	7	OK
MW-01	Uranium	11/8/2016	11/18/2016	10	180	OK
MW-01	Vanadium	11/8/2016	11/18/2016	10	180	OK
MW-01	Xylenes, Total	11/8/2016	11/14/2016	6	14	OK
MW-01	Zinc	11/8/2016	11/28/2016	20	180	OK
MW-02	2-Butanone	11/8/2016	11/14/2016	6	14	OK
MW-02	Acetone	11/8/2016	11/14/2016	6	14	OK
MW-02	Ammonia (as N)	11/8/2016	11/17/2016	9	28	OK
MW-02	Arsenic	11/8/2016	11/18/2016	10	180	OK
MW-02	Benzene	11/8/2016	11/14/2016	6	14	OK
MW-02	Beryllium	11/8/2016	11/18/2016	10	180	OK
MW-02	Bicarbonate (as CaCO3)	11/8/2016	11/14/2016	6	14	OK
MW-02	Cadmium	11/8/2016	11/18/2016	10	180	OK
MW-02	Calcium	11/8/2016	11/18/2016	10	180	OK
MW-02	Carbon tetrachloride	11/8/2016	11/14/2016	6	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-02	Carbonate (as CaCO3)	11/8/2016	11/14/2016	6	14	OK
MW-02	Chloride	11/8/2016	11/21/2016	13	28	OK
MW-02	Chloroform	11/8/2016	11/14/2016	6	14	OK
MW-02	Chloromethane	11/8/2016	11/14/2016	6	14	OK
MW-02	Chromium	11/8/2016	11/18/2016	10	180	OK
MW-02	Cobalt	11/8/2016	11/18/2016	10	180	OK
MW-02	Copper	11/8/2016	11/28/2016	20	180	OK
MW-02	Fluoride	11/8/2016	11/21/2016	13	28	OK
MW-02	Gross Radium Alpha	11/8/2016	12/9/2016	31	180	OK
MW-02	Iron	11/8/2016	11/18/2016	10	180	OK
MW-02	Lead	11/8/2016	11/18/2016	10	180	OK
MW-02	Magnesium	11/8/2016	11/18/2016	10	180	OK
MW-02	Manganese	11/8/2016	11/18/2016	10	180	OK
MW-02	Mercury	11/8/2016	11/18/2016	10	180	OK
MW-02	Methylene chloride	11/8/2016	11/14/2016	6	14	OK
MW-02	Molybdenum	11/8/2016	11/18/2016	10	180	OK
MW-02	Naphthalene	11/8/2016	11/14/2016	6	14	OK
MW-02	Nickel	11/8/2016	11/18/2016	10	180	OK
MW-02	Nitrate/Nitrite (as N)	11/8/2016	11/17/2016	9	28	OK
MW-02	Potassium	11/8/2016	11/18/2016	10	180	OK
MW-02	Selenium	11/8/2016	11/18/2016	10	180	OK
MW-02	Silver	11/8/2016	11/18/2016	10	180	OK
MW-02	Sodium	11/8/2016	11/18/2016	10	180	OK
MW-02	Sulfate	11/8/2016	11/21/2016	13	28	OK
MW-02	Tetrahydrofuran	11/8/2016	11/14/2016	6	14	OK
MW-02	Thallium	11/8/2016	11/18/2016	10	180	OK
MW-02	Tin	11/8/2016	11/29/2016	21	180	OK
MW-02	Toluene	11/8/2016	11/14/2016	6	14	OK
MW-02	Total Dissolved Solids	11/8/2016	11/11/2016	3	7	OK
MW-02	Uranium	11/8/2016	11/18/2016	10	180	OK
MW-02	Vanadium	11/8/2016	11/18/2016	10	180	OK
MW-02	Xylenes, Total	11/8/2016	11/14/2016	6	14	OK
MW-02	Zinc	11/8/2016	11/18/2016	10	180	OK
MW-03	2-Butanone	11/8/2016	11/14/2016	6	14	OK
MW-03	Acetone	11/8/2016	11/14/2016	6	14	OK
MW-03	Ammonia (as N)	11/8/2016	11/17/2016	9	28	OK
MW-03	Arsenic	11/8/2016	11/18/2016	10	180	OK
MW-03	Benzene	11/8/2016	11/14/2016	6	14	OK
MW-03	Beryllium	11/8/2016	11/18/2016	10	180	OK
MW-03	Bicarbonate (as CaCO3)	11/8/2016	11/14/2016	6	14	OK
MW-03	Cadmium	11/8/2016	11/18/2016	10	180	OK
MW-03	Calcium	11/8/2016	11/18/2016	10	180	OK
MW-03	Carbon tetrachloride	11/8/2016	11/14/2016	6	14	OK
MW-03	Carbonate (as CaCO3)	11/8/2016	11/14/2016	6	14	OK
MW-03	Chloride	11/8/2016	11/21/2016	13	28	OK
MW-03	Chloroform	11/8/2016	11/14/2016	6	14	OK
MW-03	Chloromethane	11/8/2016	11/14/2016	6	14	OK
MW-03	Chromium	11/8/2016	11/18/2016	10	180	OK
MW-03	Cobalt	11/8/2016	11/18/2016	10	180	OK
MW-03	Copper	11/8/2016	11/28/2016	20	180	OK
MW-03	Fluoride	11/8/2016	11/21/2016	13	28	OK
MW-03	Gross Radium Alpha	11/8/2016	12/9/2016	31	180	OK
MW-03	Iron	11/8/2016	11/18/2016	10	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-03	Lead	11/8/2016	11/18/2016	10	180	OK
MW-03	Magnesium	11/8/2016	11/18/2016	10	180	OK
MW-03	Manganese	11/8/2016	11/28/2016	20	180	OK
MW-03	Mercury	11/8/2016	11/18/2016	10	180	OK
MW-03	Methylene chloride	11/8/2016	11/14/2016	6	14	OK
MW-03	Molybdenum	11/8/2016	11/18/2016	10	180	OK
MW-03	Naphthalene	11/8/2016	11/14/2016	6	14	OK
MW-03	Nickel	11/8/2016	11/18/2016	10	180	OK
MW-03	Nitrate/Nitrite (as N)	11/8/2016	11/17/2016	9	28	OK
MW-03	Potassium	11/8/2016	11/18/2016	10	180	OK
MW-03	Selenium	11/8/2016	11/18/2016	10	180	OK
MW-03	Silver	11/8/2016	11/18/2016	10	180	OK
MW-03	Sodium	11/8/2016	11/18/2016	10	180	OK
MW-03	Sulfate	11/8/2016	11/21/2016	13	28	OK
MW-03	Tetrahydrofuran	11/8/2016	11/14/2016	6	14	OK
MW-03	Thallium	11/8/2016	11/18/2016	10	180	OK
MW-03	Tin	11/8/2016	11/29/2016	21	180	OK
MW-03	Toluene	11/8/2016	11/14/2016	6	14	OK
MW-03	Total Dissolved Solids	11/8/2016	11/11/2016	3	7	OK
MW-03	Uranium	11/8/2016	11/18/2016	10	180	OK
MW-03	Vanadium	11/8/2016	11/18/2016	10	180	OK
MW-03	Xylenes, Total	11/8/2016	11/14/2016	6	14	OK
MW-03	Zinc	11/8/2016	11/18/2016	10	180	OK
MW-03a	2-Butanone	11/8/2016	11/14/2016	6	14	OK
MW-03a	Acetone	11/8/2016	11/14/2016	6	14	OK
MW-03a	Ammonia (as N)	11/8/2016	11/17/2016	9	28	OK
MW-03a	Arsenic	11/8/2016	11/18/2016	10	180	OK
MW-03a	Benzene	11/8/2016	11/14/2016	6	14	OK
MW-03a	Beryllium	11/8/2016	11/18/2016	10	180	OK
MW-03a	Bicarbonate (as CaCO3)	11/8/2016	11/14/2016	6	14	OK
MW-03a	Cadmium	11/8/2016	11/18/2016	10	180	OK
MW-03a	Calcium	11/8/2016	11/18/2016	10	180	OK
MW-03a	Carbon tetrachloride	11/8/2016	11/14/2016	6	14	OK
MW-03a	Carbonate (as CaCO3)	11/8/2016	11/14/2016	6	14	OK
MW-03a	Chloride	11/8/2016	11/21/2016	13	28	OK
MW-03a	Chloroform	11/8/2016	11/14/2016	6	14	OK
MW-03a	Chloromethane	11/8/2016	11/14/2016	6	14	OK
MW-03a	Chromium	11/8/2016	11/18/2016	10	180	OK
MW-03a	Cobalt	11/8/2016	11/18/2016	10	180	OK
MW-03a	Copper	11/8/2016	11/28/2016	20	180	OK
MW-03a	Fluoride	11/8/2016	11/21/2016	13	28	OK
MW-03a	Gross Radium Alpha	11/8/2016	12/9/2016	31	180	OK
MW-03a	Iron	11/8/2016	11/18/2016	10	180	OK
MW-03a	Lead	11/8/2016	11/18/2016	10	180	OK
MW-03a	Magnesium	11/8/2016	11/18/2016	10	180	OK
MW-03a	Manganese	11/8/2016	11/18/2016	10	180	OK
MW-03a	Mercury	11/8/2016	11/18/2016	10	180	OK
MW-03a	Methylene chloride	11/8/2016	11/14/2016	6	14	OK
MW-03a	Molybdenum	11/8/2016	11/18/2016	10	180	OK
MW-03a	Naphthalene	11/8/2016	11/14/2016	6	14	OK
MW-03a	Nickel	11/8/2016	11/18/2016	10	180	OK
MW-03a	Nitrate/Nitrite (as N)	11/8/2016	11/17/2016	9	28	OK
MW-03a	Potassium	11/8/2016	11/18/2016	10	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-03a	Selenium	11/8/2016	11/18/2016	10	180	OK
MW-03a	Silver	11/8/2016	11/18/2016	10	180	OK
MW-03a	Sodium	11/8/2016	11/18/2016	10	180	OK
MW-03a	Sulfate	11/8/2016	11/21/2016	13	28	OK
MW-03a	Tetrahydrofuran	11/8/2016	11/14/2016	6	14	OK
MW-03a	Thallium	11/8/2016	11/18/2016	10	180	OK
MW-03a	Tin	11/8/2016	11/29/2016	21	180	OK
MW-03a	Toluene	11/8/2016	11/14/2016	6	14	OK
MW-03a	Total Dissolved Solids	11/8/2016	11/11/2016	3	7	OK
MW-03a	Uranium	11/8/2016	11/18/2016	10	180	OK
MW-03a	Vanadium	11/8/2016	11/18/2016	10	180	OK
MW-03a	Xylenes, Total	11/8/2016	11/14/2016	6	14	OK
MW-03a	Zinc	11/8/2016	11/18/2016	10	180	OK
MW-05	2-Butanone	11/9/2016	11/14/2016	5	14	OK
MW-05	Acetone	11/9/2016	11/14/2016	5	14	OK
MW-05	Ammonia (as N)	11/9/2016	11/17/2016	8	28	OK
MW-05	Arsenic	11/9/2016	11/18/2016	9	180	OK
MW-05	Benzene	11/9/2016	11/14/2016	5	14	OK
MW-05	Beryllium	11/9/2016	11/18/2016	9	180	OK
MW-05	Bicarbonate (as CaCO3)	11/9/2016	11/14/2016	5	14	OK
MW-05	Cadmium	11/9/2016	11/18/2016	9	180	OK
MW-05	Calcium	11/9/2016	11/18/2016	9	180	OK
MW-05	Carbon tetrachloride	11/9/2016	11/14/2016	5	14	OK
MW-05	Carbonate (as CaCO3)	11/9/2016	11/14/2016	5	14	OK
MW-05	Chloride	11/9/2016	11/21/2016	12	28	OK
MW-05	Chloroform	11/9/2016	11/14/2016	5	14	OK
MW-05	Chloromethane	11/9/2016	11/14/2016	5	14	OK
MW-05	Chromium	11/9/2016	11/18/2016	9	180	OK
MW-05	Cobalt	11/9/2016	11/18/2016	9	180	OK
MW-05	Copper	11/9/2016	11/28/2016	19	180	OK
MW-05	Fluoride	11/9/2016	11/21/2016	12	28	OK
MW-05	Gross Radium Alpha	11/9/2016	12/9/2016	30	180	OK
MW-05	Iron	11/9/2016	11/18/2016	9	180	OK
MW-05	Lead	11/9/2016	11/18/2016	9	180	OK
MW-05	Magnesium	11/9/2016	11/18/2016	9	180	OK
MW-05	Manganese	11/9/2016	11/28/2016	19	180	OK
MW-05	Mercury	11/9/2016	11/18/2016	9	180	OK
MW-05	Methylene chloride	11/9/2016	11/14/2016	5	14	OK
MW-05	Molybdenum	11/9/2016	11/18/2016	9	180	OK
MW-05	Naphthalene	11/9/2016	11/14/2016	5	14	OK
MW-05	Nickel	11/9/2016	11/18/2016	9	180	OK
MW-05	Nitrate/Nitrite (as N)	11/9/2016	11/17/2016	8	28	OK
MW-05	Potassium	11/9/2016	11/18/2016	9	180	OK
MW-05	Selenium	11/9/2016	11/18/2016	9	180	OK
MW-05	Silver	11/9/2016	11/18/2016	9	180	OK
MW-05	Sodium	11/9/2016	11/18/2016	9	180	OK
MW-05	Sulfate	11/9/2016	11/21/2016	12	28	OK
MW-05	Tetrahydrofuran	11/9/2016	11/14/2016	5	14	OK
MW-05	Thallium	11/9/2016	11/18/2016	9	180	OK
MW-05	Tin	11/9/2016	11/29/2016	20	180	OK
MW-05	Toluene	11/9/2016	11/14/2016	5	14	OK
MW-05	Total Dissolved Solids	11/9/2016	11/11/2016	2	7	OK
MW-05	Uranium	11/9/2016	11/18/2016	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-05	Vanadium	11/9/2016	11/18/2016	9	180	OK
MW-05	Xylenes, Total	11/9/2016	11/14/2016	5	14	OK
MW-05	Zinc	11/9/2016	11/28/2016	19	180	OK
MW-11	2-Butanone	11/7/2016	11/14/2016	7	14	OK
MW-11	Acetone	11/7/2016	11/14/2016	7	14	OK
MW-11	Ammonia (as N)	11/7/2016	11/17/2016	10	28	OK
MW-11	Arsenic	11/7/2016	11/18/2016	11	180	OK
MW-11	Benzene	11/7/2016	11/14/2016	7	14	OK
MW-11	Beryllium	11/7/2016	11/18/2016	11	180	OK
MW-11	Bicarbonate (as CaCO3)	11/7/2016	11/14/2016	7	14	OK
MW-11	Cadmium	11/7/2016	11/18/2016	11	180	OK
MW-11	Calcium	11/7/2016	11/18/2016	11	180	OK
MW-11	Carbon tetrachloride	11/7/2016	11/14/2016	7	14	OK
MW-11	Carbonate (as CaCO3)	11/7/2016	11/14/2016	7	14	OK
MW-11	Chloride	11/7/2016	11/21/2016	14	28	OK
MW-11	Chloroform	11/7/2016	11/14/2016	7	14	OK
MW-11	Chloromethane	11/7/2016	11/14/2016	7	14	OK
MW-11	Chromium	11/7/2016	11/18/2016	11	180	OK
MW-11	Cobalt	11/7/2016	11/18/2016	11	180	OK
MW-11	Copper	11/7/2016	11/28/2016	21	180	OK
MW-11	Fluoride	11/7/2016	11/21/2016	14	28	OK
MW-11	Gross Radium Alpha	11/7/2016	12/9/2016	32	180	OK
MW-11	Iron	11/7/2016	11/18/2016	11	180	OK
MW-11	Lead	11/7/2016	11/18/2016	11	180	OK
MW-11	Magnesium	11/7/2016	11/18/2016	11	180	OK
MW-11	Manganese	11/7/2016	11/28/2016	21	180	OK
MW-11	Mercury	11/7/2016	11/18/2016	11	180	OK
MW-11	Methylene chloride	11/7/2016	11/14/2016	7	14	OK
MW-11	Molybdenum	11/7/2016	11/18/2016	11	180	OK
MW-11	Naphthalene	11/7/2016	11/14/2016	7	14	OK
MW-11	Nickel	11/7/2016	11/18/2016	11	180	OK
MW-11	Nitrate/Nitrite (as N)	11/7/2016	11/17/2016	10	28	OK
MW-11	Potassium	11/7/2016	11/18/2016	11	180	OK
MW-11	Selenium	11/7/2016	11/18/2016	11	180	OK
MW-11	Silver	11/7/2016	11/18/2016	11	180	OK
MW-11	Sodium	11/7/2016	11/18/2016	11	180	OK
MW-11	Sulfate	11/7/2016	11/21/2016	14	28	OK
MW-11	Tetrahydrofuran	11/7/2016	11/14/2016	7	14	OK
MW-11	Thallium	11/7/2016	11/18/2016	11	180	OK
MW-11	Tin	11/7/2016	11/29/2016	22	180	OK
MW-11	Toluene	11/7/2016	11/14/2016	7	14	OK
MW-11	Total Dissolved Solids	11/7/2016	11/11/2016	4	7	OK
MW-11	Uranium	11/7/2016	11/18/2016	11	180	OK
MW-11	Vanadium	11/7/2016	11/18/2016	11	180	OK
MW-11	Xylenes, Total	11/7/2016	11/14/2016	7	14	OK
MW-11	Zinc	11/7/2016	11/28/2016	21	180	OK
MW-12	2-Butanone	11/8/2016	11/14/2016	6	14	OK
MW-12	Acetone	11/8/2016	11/14/2016	6	14	OK
MW-12	Ammonia (as N)	11/8/2016	11/17/2016	9	28	OK
MW-12	Arsenic	11/8/2016	11/18/2016	10	180	OK
MW-12	Benzene	11/8/2016	11/14/2016	6	14	OK
MW-12	Beryllium	11/8/2016	11/18/2016	10	180	OK
MW-12	Bicarbonate (as CaCO3)	11/8/2016	11/14/2016	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-12	Cadmium	11/8/2016	11/18/2016	10	180	OK
MW-12	Calcium	11/8/2016	11/18/2016	10	180	OK
MW-12	Carbon tetrachloride	11/8/2016	11/14/2016	6	14	OK
MW-12	Carbonate (as CaCO3)	11/8/2016	11/14/2016	6	14	OK
MW-12	Chloride	11/8/2016	11/21/2016	13	28	OK
MW-12	Chloroform	11/8/2016	11/14/2016	6	14	OK
MW-12	Chloromethane	11/8/2016	11/14/2016	6	14	OK
MW-12	Chromium	11/8/2016	11/18/2016	10	180	OK
MW-12	Cobalt	11/8/2016	11/18/2016	10	180	OK
MW-12	Copper	11/8/2016	11/28/2016	20	180	OK
MW-12	Fluoride	11/8/2016	11/21/2016	13	28	OK
MW-12	Gross Radium Alpha	11/8/2016	12/9/2016	31	180	OK
MW-12	Iron	11/8/2016	11/18/2016	10	180	OK
MW-12	Lead	11/8/2016	11/18/2016	10	180	OK
MW-12	Magnesium	11/8/2016	11/18/2016	10	180	OK
MW-12	Manganese	11/8/2016	11/28/2016	20	180	OK
MW-12	Mercury	11/8/2016	11/18/2016	10	180	OK
MW-12	Methylene chloride	11/8/2016	11/14/2016	6	14	OK
MW-12	Molybdenum	11/8/2016	11/18/2016	10	180	OK
MW-12	Naphthalene	11/8/2016	11/14/2016	6	14	OK
MW-12	Nickel	11/8/2016	11/18/2016	10	180	OK
MW-12	Nitrate/Nitrite (as N)	11/8/2016	11/17/2016	9	28	OK
MW-12	Potassium	11/8/2016	11/18/2016	10	180	OK
MW-12	Selenium	11/8/2016	11/18/2016	10	180	OK
MW-12	Silver	11/8/2016	11/18/2016	10	180	OK
MW-12	Sodium	11/8/2016	11/18/2016	10	180	OK
MW-12	Sulfate	11/8/2016	11/21/2016	13	28	OK
MW-12	Tetrahydrofuran	11/8/2016	11/14/2016	6	14	OK
MW-12	Thallium	11/8/2016	11/18/2016	10	180	OK
MW-12	Tin	11/8/2016	11/28/2016	20	180	OK
MW-12	Toluene	11/8/2016	11/14/2016	6	14	OK
MW-12	Total Dissolved Solids	11/8/2016	11/11/2016	3	7	OK
MW-12	Uranium	11/8/2016	11/18/2016	10	180	OK
MW-12	Vanadium	11/8/2016	11/18/2016	10	180	OK
MW-12	Xylenes, Total	11/8/2016	11/14/2016	6	14	OK
MW-12	Zinc	11/8/2016	11/28/2016	20	180	OK
MW-14	2-Butanone	11/2/2016	11/7/2016	5	14	OK
MW-14	Acetone	11/2/2016	11/7/2016	5	14	OK
MW-14	Ammonia (as N)	11/2/2016	11/10/2016	8	28	OK
MW-14	Arsenic	11/2/2016	11/15/2016	13	180	OK
MW-14	Benzene	11/2/2016	11/7/2016	5	14	OK
MW-14	Beryllium	11/2/2016	11/15/2016	13	180	OK
MW-14	Bicarbonate (as CaCO3)	11/2/2016	11/7/2016	5	14	OK
MW-14	Cadmium	11/2/2016	11/15/2016	13	180	OK
MW-14	Calcium	11/2/2016	11/15/2016	13	180	OK
MW-14	Carbon tetrachloride	11/2/2016	11/7/2016	5	14	OK
MW-14	Carbonate (as CaCO3)	11/2/2016	11/7/2016	5	14	OK
MW-14	Chloride	11/2/2016	11/12/2016	10	28	OK
MW-14	Chloroform	11/2/2016	11/7/2016	5	14	OK
MW-14	Chloromethane	11/2/2016	11/7/2016	5	14	OK
MW-14	Chromium	11/2/2016	11/15/2016	13	180	OK
MW-14	Cobalt	11/2/2016	11/15/2016	13	180	OK
MW-14	Copper	11/2/2016	11/15/2016	13	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	Fluoride	11/2/2016	11/11/2016	9	28	OK
MW-14	Gross Radium Alpha	11/2/2016	12/8/2016	36	180	OK
MW-14	Iron	11/2/2016	11/15/2016	13	180	OK
MW-14	Lead	11/2/2016	11/15/2016	13	180	OK
MW-14	Magnesium	11/2/2016	11/15/2016	13	180	OK
MW-14	Manganese	11/2/2016	11/15/2016	13	180	OK
MW-14	Mercury	11/2/2016	11/14/2016	12	180	OK
MW-14	Methylene chloride	11/2/2016	11/7/2016	5	14	OK
MW-14	Molybdenum	11/2/2016	11/15/2016	13	180	OK
MW-14	Naphthalene	11/2/2016	11/7/2016	5	14	OK
MW-14	Nickel	11/2/2016	11/15/2016	13	180	OK
MW-14	Nitrate/Nitrite (as N)	11/2/2016	11/7/2016	5	28	OK
MW-14	Potassium	11/2/2016	11/15/2016	13	180	OK
MW-14	Selenium	11/2/2016	11/15/2016	13	180	OK
MW-14	Silver	11/2/2016	11/15/2016	13	180	OK
MW-14	Sodium	11/2/2016	11/15/2016	13	180	OK
MW-14	Sulfate	11/2/2016	11/11/2016	9	28	OK
MW-14	Tetrahydrofuran	11/2/2016	11/7/2016	5	14	OK
MW-14	Thallium	11/2/2016	11/15/2016	13	180	OK
MW-14	Tin	11/2/2016	11/15/2016	13	180	OK
MW-14	Toluene	11/2/2016	11/7/2016	5	14	OK
MW-14	Total Dissolved Solids	11/2/2016	11/4/2016	2	7	OK
MW-14	Uranium	11/2/2016	11/18/2016	16	180	OK
MW-14	Vanadium	11/2/2016	11/15/2016	13	180	OK
MW-14	Xylenes, Total	11/2/2016	11/7/2016	5	14	OK
MW-14	Zinc	11/2/2016	11/15/2016	13	180	OK
MW-15	2-Butanone	11/3/2016	11/7/2016	4	14	OK
MW-15	Acetone	11/3/2016	11/7/2016	4	14	OK
MW-15	Ammonia (as N)	11/3/2016	11/10/2016	7	28	OK
MW-15	Arsenic	11/3/2016	11/15/2016	12	180	OK
MW-15	Benzene	11/3/2016	11/7/2016	4	14	OK
MW-15	Beryllium	11/3/2016	11/15/2016	12	180	OK
MW-15	Bicarbonate (as CaCO3)	11/3/2016	11/7/2016	4	14	OK
MW-15	Cadmium	11/3/2016	11/15/2016	12	180	OK
MW-15	Calcium	11/3/2016	11/15/2016	12	180	OK
MW-15	Carbon tetrachloride	11/3/2016	11/7/2016	4	14	OK
MW-15	Carbonate (as CaCO3)	11/3/2016	11/7/2016	4	14	OK
MW-15	Chloride	11/3/2016	11/12/2016	9	28	OK
MW-15	Chloroform	11/3/2016	11/7/2016	4	14	OK
MW-15	Chloromethane	11/3/2016	11/7/2016	4	14	OK
MW-15	Chromium	11/3/2016	11/15/2016	12	180	OK
MW-15	Cobalt	11/3/2016	11/15/2016	12	180	OK
MW-15	Copper	11/3/2016	11/15/2016	12	180	OK
MW-15	Fluoride	11/3/2016	11/11/2016	8	28	OK
MW-15	Gross Radium Alpha	11/3/2016	12/8/2016	35	180	OK
MW-15	Iron	11/3/2016	11/15/2016	12	180	OK
MW-15	Lead	11/3/2016	11/15/2016	12	180	OK
MW-15	Magnesium	11/3/2016	11/15/2016	12	180	OK
MW-15	Manganese	11/3/2016	11/15/2016	12	180	OK
MW-15	Mercury	11/3/2016	11/14/2016	11	180	OK
MW-15	Methylene chloride	11/3/2016	11/7/2016	4	14	OK
MW-15	Molybdenum	11/3/2016	11/15/2016	12	180	OK
MW-15	Naphthalene	11/3/2016	11/7/2016	4	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-15	Nickel	11/3/2016	11/15/2016	12	180	OK
MW-15	Nitrate/Nitrite (as N)	11/3/2016	11/7/2016	4	28	OK
MW-15	Potassium	11/3/2016	11/15/2016	12	180	OK
MW-15	Selenium	11/3/2016	11/15/2016	12	180	OK
MW-15	Silver	11/3/2016	11/15/2016	12	180	OK
MW-15	Sodium	11/3/2016	11/15/2016	12	180	OK
MW-15	Sulfate	11/3/2016	11/11/2016	8	28	OK
MW-15	Tetrahydrofuran	11/3/2016	11/7/2016	4	14	OK
MW-15	Thallium	11/3/2016	11/15/2016	12	180	OK
MW-15	Tin	11/3/2016	11/15/2016	12	180	OK
MW-15	Toluene	11/3/2016	11/7/2016	4	14	OK
MW-15	Total Dissolved Solids	11/3/2016	11/4/2016	1	7	OK
MW-15	Uranium	11/3/2016	11/18/2016	15	180	OK
MW-15	Vanadium	11/3/2016	11/15/2016	12	180	OK
MW-15	Xylenes, Total	11/3/2016	11/7/2016	4	14	OK
MW-15	Zinc	11/3/2016	11/15/2016	12	180	OK
MW-17	2-Butanone	11/16/2016	11/21/2016	5	14	OK
MW-17	Acetone	11/16/2016	11/21/2016	5	14	OK
MW-17	Ammonia (as N)	11/16/2016	11/23/2016	7	28	OK
MW-17	Arsenic	12/13/2016	12/14/2016	1	180	OK
MW-17	Benzene	11/16/2016	11/21/2016	5	14	OK
MW-17	Beryllium	12/13/2016	12/14/2016	1	180	OK
MW-17	Bicarbonate (as CaCO3)	11/16/2016	11/23/2016	7	14	OK
MW-17	Cadmium	12/13/2016	12/14/2016	1	180	OK
MW-17	Calcium	12/13/2016	12/15/2016	2	180	OK
MW-17	Carbon tetrachloride	11/16/2016	11/21/2016	5	14	OK
MW-17	Carbonate (as CaCO3)	11/16/2016	11/23/2016	7	14	OK
MW-17	Chloride	11/16/2016	12/1/2016	15	28	OK
MW-17	Chloroform	11/16/2016	11/21/2016	5	14	OK
MW-17	Chloromethane	11/16/2016	11/21/2016	5	14	OK
MW-17	Chromium	12/13/2016	12/14/2016	1	180	OK
MW-17	Cobalt	12/13/2016	12/14/2016	1	180	OK
MW-17	Copper	12/13/2016	12/14/2016	1	180	OK
MW-17	Fluoride	11/16/2016	12/2/2016	16	28	OK
MW-17	Gross Radium Alpha	11/16/2016	12/8/2016	22	180	OK
MW-17	Iron	12/13/2016	12/14/2016	1	180	OK
MW-17	Lead	12/13/2016	12/14/2016	1	180	OK
MW-17	Magnesium	12/13/2016	12/15/2016	2	180	OK
MW-17	Manganese	12/13/2016	12/14/2016	1	180	OK
MW-17	Mercury	12/13/2016	12/15/2016	2	180	OK
MW-17	Methylene chloride	11/16/2016	11/21/2016	5	14	OK
MW-17	Molybdenum	12/13/2016	12/14/2016	1	180	OK
MW-17	Naphthalene	11/16/2016	11/21/2016	5	14	OK
MW-17	Nickel	12/13/2016	12/14/2016	1	180	OK
MW-17	Nitrate/Nitrite (as N)	11/16/2016	11/21/2016	5	28	OK
MW-17	Potassium	12/13/2016	12/15/2016	2	180	OK
MW-17	Selenium	12/13/2016	12/14/2016	1	180	OK
MW-17	Silver	12/13/2016	12/14/2016	1	180	OK
MW-17	Sodium	12/13/2016	12/15/2016	2	180	OK
MW-17	Sulfate	11/16/2016	12/1/2016	15	28	OK
MW-17	Tetrahydrofuran	11/16/2016	11/21/2016	5	14	OK
MW-17	Thallium	12/13/2016	12/14/2016	1	180	OK
MW-17	Tin	12/13/2016	12/14/2016	1	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-17	Toluene	11/16/2016	11/21/2016	5	14	OK
MW-17	Total Dissolved Solids	11/16/2016	11/18/2016	2	7	OK
MW-17	Uranium	12/13/2016	12/14/2016	1	180	OK
MW-17	Vanadium	12/13/2016	12/15/2016	2	180	OK
MW-17	Xylenes, Total	11/16/2016	11/21/2016	5	14	OK
MW-17	Zinc	12/13/2016	12/14/2016	1	180	OK
MW-18	2-Butanone	11/2/2016	11/7/2016	5	14	OK
MW-18	Acetone	11/2/2016	11/7/2016	5	14	OK
MW-18	Ammonia (as N)	11/2/2016	11/10/2016	8	28	OK
MW-18	Arsenic	11/2/2016	11/16/2016	14	180	OK
MW-18	Benzene	11/2/2016	11/7/2016	5	14	OK
MW-18	Beryllium	11/2/2016	11/15/2016	13	180	OK
MW-18	Bicarbonate (as CaCO3)	11/2/2016	11/7/2016	5	14	OK
MW-18	Cadmium	11/2/2016	11/16/2016	14	180	OK
MW-18	Calcium	11/2/2016	11/15/2016	13	180	OK
MW-18	Carbon tetrachloride	11/2/2016	11/7/2016	5	14	OK
MW-18	Carbonate (as CaCO3)	11/2/2016	11/7/2016	5	14	OK
MW-18	Chloride	11/2/2016	11/12/2016	10	28	OK
MW-18	Chloroform	11/2/2016	11/7/2016	5	14	OK
MW-18	Chloromethane	11/2/2016	11/7/2016	5	14	OK
MW-18	Chromium	11/2/2016	11/16/2016	14	180	OK
MW-18	Cobalt	11/2/2016	11/16/2016	14	180	OK
MW-18	Copper	11/2/2016	11/16/2016	14	180	OK
MW-18	Fluoride	11/2/2016	11/11/2016	9	28	OK
MW-18	Gross Radium Alpha	11/2/2016	12/8/2016	36	180	OK
MW-18	Iron	11/2/2016	11/15/2016	13	180	OK
MW-18	Lead	11/2/2016	11/15/2016	13	180	OK
MW-18	Magnesium	11/2/2016	11/15/2016	13	180	OK
MW-18	Manganese	11/2/2016	11/16/2016	14	180	OK
MW-18	Mercury	11/2/2016	11/14/2016	12	180	OK
MW-18	Methylene chloride	11/2/2016	11/7/2016	5	14	OK
MW-18	Molybdenum	11/2/2016	11/16/2016	14	180	OK
MW-18	Naphthalene	11/2/2016	11/7/2016	5	14	OK
MW-18	Nickel	11/2/2016	11/16/2016	14	180	OK
MW-18	Nitrate/Nitrite (as N)	11/2/2016	11/7/2016	5	28	OK
MW-18	Potassium	11/2/2016	11/15/2016	13	180	OK
MW-18	Selenium	11/2/2016	11/16/2016	14	180	OK
MW-18	Silver	11/2/2016	11/16/2016	14	180	OK
MW-18	Sodium	11/2/2016	11/15/2016	13	180	OK
MW-18	Sulfate	11/2/2016	11/11/2016	9	28	OK
MW-18	Tetrahydrofuran	11/2/2016	11/7/2016	5	14	OK
MW-18	Thallium	11/2/2016	11/15/2016	13	180	OK
MW-18	Tin	11/2/2016	11/16/2016	14	180	OK
MW-18	Toluene	11/2/2016	11/7/2016	5	14	OK
MW-18	Total Dissolved Solids	11/2/2016	11/4/2016	2	7	OK
MW-18	Uranium	11/2/2016	11/18/2016	16	180	OK
MW-18	Vanadium	11/2/2016	11/15/2016	13	180	OK
MW-18	Xylenes, Total	11/2/2016	11/7/2016	5	14	OK
MW-18	Zinc	11/2/2016	11/16/2016	14	180	OK
MW-19	2-Butanone	11/7/2016	11/14/2016	7	14	OK
MW-19	Acetone	11/7/2016	11/14/2016	7	14	OK
MW-19	Ammonia (as N)	11/7/2016	11/17/2016	10	28	OK
MW-19	Arsenic	11/7/2016	11/18/2016	11	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-19	Benzene	11/7/2016	11/14/2016	7	14	OK
MW-19	Beryllium	11/7/2016	11/18/2016	11	180	OK
MW-19	Bicarbonate (as CaCO3)	11/7/2016	11/14/2016	7	14	OK
MW-19	Cadmium	11/7/2016	11/18/2016	11	180	OK
MW-19	Calcium	11/7/2016	11/18/2016	11	180	OK
MW-19	Carbon tetrachloride	11/7/2016	11/14/2016	7	14	OK
MW-19	Carbonate (as CaCO3)	11/7/2016	11/14/2016	7	14	OK
MW-19	Chloride	11/7/2016	11/21/2016	14	28	OK
MW-19	Chloroform	11/7/2016	11/14/2016	7	14	OK
MW-19	Chloromethane	11/7/2016	11/14/2016	7	14	OK
MW-19	Chromium	11/7/2016	11/18/2016	11	180	OK
MW-19	Cobalt	11/7/2016	11/18/2016	11	180	OK
MW-19	Copper	11/7/2016	11/28/2016	21	180	OK
MW-19	Fluoride	11/7/2016	11/21/2016	14	28	OK
MW-19	Gross Radium Alpha	11/7/2016	12/9/2016	32	180	OK
MW-19	Iron	11/7/2016	11/18/2016	11	180	OK
MW-19	Lead	11/7/2016	11/18/2016	11	180	OK
MW-19	Magnesium	11/7/2016	11/18/2016	11	180	OK
MW-19	Manganese	11/7/2016	11/28/2016	21	180	OK
MW-19	Mercury	11/7/2016	11/18/2016	11	180	OK
MW-19	Methylene chloride	11/7/2016	11/14/2016	7	14	OK
MW-19	Molybdenum	11/7/2016	11/18/2016	11	180	OK
MW-19	Naphthalene	11/7/2016	11/14/2016	7	14	OK
MW-19	Nickel	11/7/2016	11/18/2016	11	180	OK
MW-19	Nitrate/Nitrite (as N)	11/7/2016	11/17/2016	10	28	OK
MW-19	Potassium	11/7/2016	11/18/2016	11	180	OK
MW-19	Selenium	11/7/2016	11/18/2016	11	180	OK
MW-19	Silver	11/7/2016	11/18/2016	11	180	OK
MW-19	Sodium	11/7/2016	11/18/2016	11	180	OK
MW-19	Sulfate	11/7/2016	11/21/2016	14	28	OK
MW-19	Tetrahydrofuran	11/7/2016	11/14/2016	7	14	OK
MW-19	Thallium	11/7/2016	11/18/2016	11	180	OK
MW-19	Tin	11/7/2016	11/28/2016	21	180	OK
MW-19	Toluene	11/7/2016	11/14/2016	7	14	OK
MW-19	Total Dissolved Solids	11/7/2016	11/11/2016	4	7	OK
MW-19	Uranium	11/7/2016	11/18/2016	11	180	OK
MW-19	Vanadium	11/7/2016	11/18/2016	11	180	OK
MW-19	Xylenes, Total	11/7/2016	11/14/2016	7	14	OK
MW-19	Zinc	11/7/2016	11/28/2016	21	180	OK
MW-20	2-Butanone	11/16/2016	11/21/2016	5	14	OK
MW-20	Acetone	11/16/2016	11/21/2016	5	14	OK
MW-20	Ammonia (as N)	11/16/2016	11/23/2016	7	28	OK
MW-20	Arsenic	11/16/2016	11/29/2016	13	180	OK
MW-20	Benzene	11/16/2016	11/21/2016	5	14	OK
MW-20	Beryllium	11/16/2016	11/29/2016	13	180	OK
MW-20	Bicarbonate (as CaCO3)	11/16/2016	11/23/2016	7	14	OK
MW-20	Cadmium	11/16/2016	11/29/2016	13	180	OK
MW-20	Calcium	11/16/2016	12/6/2016	20	180	OK
MW-20	Carbon tetrachloride	11/16/2016	11/21/2016	5	14	OK
MW-20	Carbonate (as CaCO3)	11/16/2016	11/23/2016	7	14	OK
MW-20	Chloride	11/16/2016	12/1/2016	15	28	OK
MW-20	Chloroform	11/16/2016	11/21/2016	5	14	OK
MW-20	Chloromethane	11/16/2016	11/21/2016	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-20	Chromium	11/16/2016	11/29/2016	13	180	OK
MW-20	Cobalt	11/16/2016	11/29/2016	13	180	OK
MW-20	Copper	11/16/2016	11/29/2016	13	180	OK
MW-20	Fluoride	11/16/2016	12/2/2016	16	28	OK
MW-20	Gross Radium Alpha	11/16/2016	12/8/2016	22	180	OK
MW-20	Iron	11/16/2016	11/29/2016	13	180	OK
MW-20	Lead	11/16/2016	11/29/2016	13	180	OK
MW-20	Magnesium	11/16/2016	12/6/2016	20	180	OK
MW-20	Manganese	11/16/2016	11/29/2016	13	180	OK
MW-20	Mercury	11/16/2016	11/30/2016	14	180	OK
MW-20	Methylene chloride	11/16/2016	11/21/2016	5	14	OK
MW-20	Molybdenum	11/16/2016	11/29/2016	13	180	OK
MW-20	Naphthalene	11/16/2016	11/21/2016	5	14	OK
MW-20	Nickel	11/16/2016	11/29/2016	13	180	OK
MW-20	Nitrate/Nitrite (as N)	11/16/2016	11/21/2016	5	28	OK
MW-20	Potassium	11/16/2016	12/6/2016	20	180	OK
MW-20	Selenium	11/16/2016	11/29/2016	13	180	OK
MW-20	Silver	11/16/2016	11/29/2016	13	180	OK
MW-20	Sodium	11/16/2016	12/6/2016	20	180	OK
MW-20	Sulfate	11/16/2016	12/1/2016	15	28	OK
MW-20	Tetrahydrofuran	11/16/2016	11/21/2016	5	14	OK
MW-20	Thallium	11/16/2016	11/29/2016	13	180	OK
MW-20	Tin	11/16/2016	11/29/2016	13	180	OK
MW-20	Toluene	11/16/2016	11/21/2016	5	14	OK
MW-20	Total Dissolved Solids	11/16/2016	11/18/2016	2	7	OK
MW-20	Uranium	11/16/2016	11/29/2016	13	180	OK
MW-20	Vanadium	11/16/2016	12/6/2016	20	180	OK
MW-20	Xylenes, Total	11/16/2016	11/21/2016	5	14	OK
MW-20	Zinc	11/16/2016	11/29/2016	13	180	OK
MW-22	2-Butanone	11/16/2016	11/21/2016	5	14	OK
MW-22	Acetone	11/16/2016	11/21/2016	5	14	OK
MW-22	Ammonia (as N)	11/16/2016	11/23/2016	7	28	OK
MW-22	Arsenic	11/16/2016	11/29/2016	13	180	OK
MW-22	Benzene	11/16/2016	11/21/2016	5	14	OK
MW-22	Beryllium	11/16/2016	11/29/2016	13	180	OK
MW-22	Bicarbonate (as CaCO3)	11/16/2016	11/23/2016	7	14	OK
MW-22	Cadmium	11/16/2016	11/29/2016	13	180	OK
MW-22	Calcium	11/16/2016	12/6/2016	20	180	OK
MW-22	Carbon tetrachloride	11/16/2016	11/21/2016	5	14	OK
MW-22	Carbonate (as CaCO3)	11/16/2016	11/23/2016	7	14	OK
MW-22	Chloride	11/16/2016	12/1/2016	15	28	OK
MW-22	Chloroform	11/16/2016	11/21/2016	5	14	OK
MW-22	Chloromethane	11/16/2016	11/21/2016	5	14	OK
MW-22	Chromium	11/16/2016	11/29/2016	13	180	OK
MW-22	Cobalt	11/16/2016	11/29/2016	13	180	OK
MW-22	Copper	11/16/2016	11/29/2016	13	180	OK
MW-22	Fluoride	11/16/2016	12/2/2016	16	28	OK
MW-22	Gross Radium Alpha	11/16/2016	12/8/2016	22	180	OK
MW-22	Iron	11/16/2016	11/29/2016	13	180	OK
MW-22	Lead	11/16/2016	11/29/2016	13	180	OK
MW-22	Magnesium	11/16/2016	12/6/2016	20	180	OK
MW-22	Manganese	11/16/2016	11/30/2016	14	180	OK
MW-22	Mercury	11/16/2016	11/30/2016	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-22	Methylene chloride	11/16/2016	11/21/2016	5	14	OK
MW-22	Molybdenum	11/16/2016	11/29/2016	13	180	OK
MW-22	Naphthalene	11/16/2016	11/21/2016	5	14	OK
MW-22	Nickel	11/16/2016	11/29/2016	13	180	OK
MW-22	Nitrate/Nitrite (as N)	11/16/2016	11/21/2016	5	28	OK
MW-22	Potassium	11/16/2016	12/6/2016	20	180	OK
MW-22	Selenium	11/16/2016	11/29/2016	13	180	OK
MW-22	Silver	11/16/2016	11/29/2016	13	180	OK
MW-22	Sodium	11/16/2016	12/6/2016	20	180	OK
MW-22	Sulfate	11/16/2016	12/1/2016	15	28	OK
MW-22	Tetrahydrofuran	11/16/2016	11/21/2016	5	14	OK
MW-22	Thallium	11/16/2016	11/29/2016	13	180	OK
MW-22	Tin	11/16/2016	11/29/2016	13	180	OK
MW-22	Toluene	11/16/2016	11/21/2016	5	14	OK
MW-22	Total Dissolved Solids	11/16/2016	11/18/2016	2	7	OK
MW-22	Uranium	11/16/2016	11/29/2016	13	180	OK
MW-22	Vanadium	11/16/2016	12/6/2016	20	180	OK
MW-22	Xylenes, Total	11/16/2016	11/21/2016	5	14	OK
MW-22	Zinc	11/16/2016	11/29/2016	13	180	OK
MW-23	2-Butanone	11/16/2016	11/21/2016	5	14	OK
MW-23	Acetone	11/16/2016	11/21/2016	5	14	OK
MW-23	Ammonia (as N)	11/16/2016	11/23/2016	7	28	OK
MW-23	Arsenic	11/16/2016	11/29/2016	13	180	OK
MW-23	Benzene	11/16/2016	11/21/2016	5	14	OK
MW-23	Beryllium	11/16/2016	11/29/2016	13	180	OK
MW-23	Bicarbonate (as CaCO3)	11/16/2016	11/23/2016	7	14	OK
MW-23	Cadmium	11/16/2016	11/29/2016	13	180	OK
MW-23	Calcium	11/16/2016	12/6/2016	20	180	OK
MW-23	Carbon tetrachloride	11/16/2016	11/21/2016	5	14	OK
MW-23	Carbonate (as CaCO3)	11/16/2016	11/23/2016	7	14	OK
MW-23	Chloride	11/16/2016	12/2/2016	16	28	OK
MW-23	Chloroform	11/16/2016	11/21/2016	5	14	OK
MW-23	Chloromethane	11/16/2016	11/21/2016	5	14	OK
MW-23	Chromium	11/16/2016	11/29/2016	13	180	OK
MW-23	Cobalt	11/16/2016	11/29/2016	13	180	OK
MW-23	Copper	11/16/2016	11/29/2016	13	180	OK
MW-23	Fluoride	11/16/2016	12/2/2016	16	28	OK
MW-23	Gross Radium Alpha	11/16/2016	12/8/2016	22	180	OK
MW-23	Iron	11/16/2016	11/29/2016	13	180	OK
MW-23	Lead	11/16/2016	11/29/2016	13	180	OK
MW-23	Magnesium	11/16/2016	12/6/2016	20	180	OK
MW-23	Manganese	11/16/2016	11/29/2016	13	180	OK
MW-23	Mercury	11/16/2016	11/30/2016	14	180	OK
MW-23	Methylene chloride	11/16/2016	11/21/2016	5	14	OK
MW-23	Molybdenum	11/16/2016	11/29/2016	13	180	OK
MW-23	Naphthalene	11/16/2016	11/21/2016	5	14	OK
MW-23	Nickel	11/16/2016	11/29/2016	13	180	OK
MW-23	Nitrate/Nitrite (as N)	11/16/2016	11/21/2016	5	28	OK
MW-23	Potassium	11/16/2016	12/6/2016	20	180	OK
MW-23	Selenium	11/16/2016	11/29/2016	13	180	OK
MW-23	Silver	11/16/2016	11/29/2016	13	180	OK
MW-23	Sodium	11/16/2016	12/6/2016	20	180	OK
MW-23	Sulfate	11/16/2016	12/1/2016	15	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-23	Tetrahydrofuran	11/16/2016	11/21/2016	5	14	OK
MW-23	Thallium	11/16/2016	11/29/2016	13	180	OK
MW-23	Tin	11/16/2016	11/29/2016	13	180	OK
MW-23	Toluene	11/16/2016	11/21/2016	5	14	OK
MW-23	Total Dissolved Solids	11/16/2016	11/18/2016	2	7	OK
MW-23	Uranium	11/16/2016	11/29/2016	13	180	OK
MW-23	Vanadium	11/16/2016	12/6/2016	20	180	OK
MW-23	Xylenes, Total	11/16/2016	11/21/2016	5	14	OK
MW-23	Zinc	11/16/2016	11/29/2016	13	180	OK
MW-24	2-Butanone	11/10/2016	11/14/2016	4	14	OK
MW-24	Acetone	11/10/2016	11/14/2016	4	14	OK
MW-24	Ammonia (as N)	11/10/2016	11/17/2016	7	28	OK
MW-24	Arsenic	11/10/2016	11/18/2016	8	180	OK
MW-24	Benzene	11/10/2016	11/14/2016	4	14	OK
MW-24	Beryllium	11/10/2016	11/18/2016	8	180	OK
MW-24	Bicarbonate (as CaCO3)	11/10/2016	11/14/2016	4	14	OK
MW-24	Cadmium	11/10/2016	11/18/2016	8	180	OK
MW-24	Calcium	11/10/2016	11/18/2016	8	180	OK
MW-24	Carbon tetrachloride	11/10/2016	11/14/2016	4	14	OK
MW-24	Carbonate (as CaCO3)	11/10/2016	11/14/2016	4	14	OK
MW-24	Chloride	11/10/2016	11/21/2016	11	28	OK
MW-24	Chloroform	11/10/2016	11/14/2016	4	14	OK
MW-24	Chloromethane	11/10/2016	11/14/2016	4	14	OK
MW-24	Chromium	11/10/2016	11/18/2016	8	180	OK
MW-24	Cobalt	11/10/2016	11/18/2016	8	180	OK
MW-24	Copper	11/10/2016	11/28/2016	18	180	OK
MW-24	Fluoride	11/10/2016	11/21/2016	11	28	OK
MW-24	Gross Radium Alpha	11/10/2016	12/9/2016	29	180	OK
MW-24	Iron	11/10/2016	11/18/2016	8	180	OK
MW-24	Lead	11/10/2016	11/18/2016	8	180	OK
MW-24	Magnesium	11/10/2016	11/18/2016	8	180	OK
MW-24	Manganese	11/10/2016	11/28/2016	18	180	OK
MW-24	Mercury	11/10/2016	11/18/2016	8	180	OK
MW-24	Methylene chloride	11/10/2016	11/14/2016	4	14	OK
MW-24	Molybdenum	11/10/2016	11/18/2016	8	180	OK
MW-24	Naphthalene	11/10/2016	11/14/2016	4	14	OK
MW-24	Nickel	11/10/2016	11/18/2016	8	180	OK
MW-24	Nitrate/Nitrite (as N)	11/10/2016	11/17/2016	7	28	OK
MW-24	Potassium	11/10/2016	11/18/2016	8	180	OK
MW-24	Selenium	11/10/2016	11/18/2016	8	180	OK
MW-24	Silver	11/10/2016	11/18/2016	8	180	OK
MW-24	Sodium	11/10/2016	11/18/2016	8	180	OK
MW-24	Sulfate	11/10/2016	11/21/2016	11	28	OK
MW-24	Tetrahydrofuran	11/10/2016	11/14/2016	4	14	OK
MW-24	Thallium	11/10/2016	11/18/2016	8	180	OK
MW-24	Tin	11/10/2016	11/28/2016	18	180	OK
MW-24	Toluene	11/10/2016	11/14/2016	4	14	OK
MW-24	Total Dissolved Solids	11/10/2016	11/11/2016	1	7	OK
MW-24	Uranium	11/10/2016	11/18/2016	8	180	OK
MW-24	Vanadium	11/10/2016	11/18/2016	8	180	OK
MW-24	Xylenes, Total	11/10/2016	11/14/2016	4	14	OK
MW-24	Zinc	11/10/2016	11/28/2016	18	180	OK
MW-25	2-Butanone	11/2/2016	11/7/2016	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-25	Acetone	11/2/2016	11/7/2016	5	14	OK
MW-25	Ammonia (as N)	11/2/2016	11/10/2016	8	28	OK
MW-25	Arsenic	11/2/2016	11/16/2016	14	180	OK
MW-25	Benzene	11/2/2016	11/7/2016	5	14	OK
MW-25	Beryllium	11/2/2016	11/15/2016	13	180	OK
MW-25	Bicarbonate (as CaCO3)	11/2/2016	11/7/2016	5	14	OK
MW-25	Cadmium	11/2/2016	11/16/2016	14	180	OK
MW-25	Calcium	11/2/2016	11/15/2016	13	180	OK
MW-25	Carbon tetrachloride	11/2/2016	11/7/2016	5	14	OK
MW-25	Carbonate (as CaCO3)	11/2/2016	11/7/2016	5	14	OK
MW-25	Chloride	11/2/2016	11/12/2016	10	28	OK
MW-25	Chloroform	11/2/2016	11/7/2016	5	14	OK
MW-25	Chloromethane	11/2/2016	11/7/2016	5	14	OK
MW-25	Chromium	11/2/2016	11/16/2016	14	180	OK
MW-25	Cobalt	11/2/2016	11/16/2016	14	180	OK
MW-25	Copper	11/2/2016	11/16/2016	14	180	OK
MW-25	Fluoride	11/2/2016	11/11/2016	9	28	OK
MW-25	Gross Radium Alpha	11/2/2016	12/8/2016	36	180	OK
MW-25	Iron	11/2/2016	11/15/2016	13	180	OK
MW-25	Lead	11/2/2016	11/15/2016	13	180	OK
MW-25	Magnesium	11/2/2016	11/15/2016	13	180	OK
MW-25	Manganese	11/2/2016	11/16/2016	14	180	OK
MW-25	Mercury	11/2/2016	11/14/2016	12	180	OK
MW-25	Methylene chloride	11/2/2016	11/7/2016	5	14	OK
MW-25	Molybdenum	11/2/2016	11/16/2016	14	180	OK
MW-25	Naphthalene	11/2/2016	11/7/2016	5	14	OK
MW-25	Nickel	11/2/2016	11/16/2016	14	180	OK
MW-25	Nitrate/Nitrite (as N)	11/2/2016	11/7/2016	5	28	OK
MW-25	Potassium	11/2/2016	11/15/2016	13	180	OK
MW-25	Selenium	11/2/2016	11/16/2016	14	180	OK
MW-25	Silver	11/2/2016	11/16/2016	14	180	OK
MW-25	Sodium	11/2/2016	11/15/2016	13	180	OK
MW-25	Sulfate	11/2/2016	11/11/2016	9	28	OK
MW-25	Tetrahydrofuran	11/2/2016	11/7/2016	5	14	OK
MW-25	Thallium	11/2/2016	11/15/2016	13	180	OK
MW-25	Tin	11/2/2016	11/16/2016	14	180	OK
MW-25	Toluene	11/2/2016	11/7/2016	5	14	OK
MW-25	Total Dissolved Solids	11/2/2016	11/4/2016	2	7	OK
MW-25	Uranium	11/2/2016	11/18/2016	16	180	OK
MW-25	Vanadium	11/2/2016	11/15/2016	13	180	OK
MW-25	Xylenes, Total	11/2/2016	11/7/2016	5	14	OK
MW-25	Zinc	11/2/2016	11/16/2016	14	180	OK
MW-26	2-Butanone	11/9/2016	11/14/2016	5	14	OK
MW-26	Acetone	11/9/2016	11/14/2016	5	14	OK
MW-26	Ammonia (as N)	11/9/2016	11/17/2016	8	28	OK
MW-26	Arsenic	11/9/2016	11/18/2016	9	180	OK
MW-26	Benzene	11/9/2016	11/14/2016	5	14	OK
MW-26	Beryllium	11/9/2016	11/18/2016	9	180	OK
MW-26	Bicarbonate (as CaCO3)	11/9/2016	11/14/2016	5	14	OK
MW-26	Cadmium	11/9/2016	11/18/2016	9	180	OK
MW-26	Calcium	11/9/2016	11/18/2016	9	180	OK
MW-26	Carbon tetrachloride	11/9/2016	11/14/2016	5	14	OK
MW-26	Carbonate (as CaCO3)	11/9/2016	11/14/2016	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-26	Chloride	11/9/2016	11/22/2016	13	28	OK
MW-26	Chloroform	11/9/2016	11/17/2016	8	14	OK
MW-26	Chloromethane	11/9/2016	11/14/2016	5	14	OK
MW-26	Chromium	11/9/2016	11/18/2016	9	180	OK
MW-26	Cobalt	11/9/2016	11/18/2016	9	180	OK
MW-26	Copper	11/9/2016	11/28/2016	19	180	OK
MW-26	Fluoride	11/9/2016	11/21/2016	12	28	OK
MW-26	Gross Radium Alpha	11/9/2016	12/9/2016	30	180	OK
MW-26	Iron	11/9/2016	11/18/2016	9	180	OK
MW-26	Lead	11/9/2016	11/18/2016	9	180	OK
MW-26	Magnesium	11/9/2016	11/18/2016	9	180	OK
MW-26	Manganese	11/9/2016	11/18/2016	9	180	OK
MW-26	Mercury	11/9/2016	11/18/2016	9	180	OK
MW-26	Methylene chloride	11/9/2016	11/14/2016	5	14	OK
MW-26	Molybdenum	11/9/2016	11/18/2016	9	180	OK
MW-26	Naphthalene	11/9/2016	11/14/2016	5	14	OK
MW-26	Nickel	11/9/2016	11/18/2016	9	180	OK
MW-26	Nitrate/Nitrite (as N)	11/9/2016	11/17/2016	8	28	OK
MW-26	Potassium	11/9/2016	11/18/2016	9	180	OK
MW-26	Selenium	11/9/2016	11/18/2016	9	180	OK
MW-26	Silver	11/9/2016	11/18/2016	9	180	OK
MW-26	Sodium	11/9/2016	11/18/2016	9	180	OK
MW-26	Sulfate	11/9/2016	11/22/2016	13	28	OK
MW-26	Tetrahydrofuran	11/9/2016	11/14/2016	5	14	OK
MW-26	Thallium	11/9/2016	11/18/2016	9	180	OK
MW-26	Tin	11/9/2016	11/28/2016	19	180	OK
MW-26	Toluene	11/9/2016	11/14/2016	5	14	OK
MW-26	Total Dissolved Solids	11/9/2016	11/11/2016	2	7	OK
MW-26	Uranium	11/9/2016	11/18/2016	9	180	OK
MW-26	Vanadium	11/9/2016	11/18/2016	9	180	OK
MW-26	Xylenes, Total	11/9/2016	11/14/2016	5	14	OK
MW-26	Zinc	11/9/2016	11/18/2016	9	180	OK
MW-27	2-Butanone	11/1/2016	11/7/2016	6	14	OK
MW-27	Acetone	11/1/2016	11/7/2016	6	14	OK
MW-27	Ammonia (as N)	11/1/2016	11/10/2016	9	28	OK
MW-27	Arsenic	11/1/2016	11/16/2016	15	180	OK
MW-27	Benzene	11/1/2016	11/7/2016	6	14	OK
MW-27	Beryllium	11/1/2016	11/15/2016	14	180	OK
MW-27	Bicarbonate (as CaCO3)	11/1/2016	11/7/2016	6	14	OK
MW-27	Cadmium	11/1/2016	11/16/2016	15	180	OK
MW-27	Calcium	11/1/2016	11/15/2016	14	180	OK
MW-27	Carbon tetrachloride	11/1/2016	11/7/2016	6	14	OK
MW-27	Carbonate (as CaCO3)	11/1/2016	11/7/2016	6	14	OK
MW-27	Chloride	11/1/2016	11/12/2016	11	28	OK
MW-27	Chloroform	11/1/2016	11/7/2016	6	14	OK
MW-27	Chloromethane	11/1/2016	11/7/2016	6	14	OK
MW-27	Chromium	11/1/2016	11/16/2016	15	180	OK
MW-27	Cobalt	11/1/2016	11/16/2016	15	180	OK
MW-27	Copper	11/1/2016	11/16/2016	15	180	OK
MW-27	Fluoride	11/1/2016	11/11/2016	10	28	OK
MW-27	Gross Radium Alpha	11/1/2016	12/8/2016	37	180	OK
MW-27	Iron	11/1/2016	11/15/2016	14	180	OK
MW-27	Lead	11/1/2016	11/15/2016	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	Magnesium	11/1/2016	11/15/2016	14	180	OK
MW-27	Manganese	11/1/2016	11/16/2016	15	180	OK
MW-27	Mercury	11/1/2016	11/14/2016	13	180	OK
MW-27	Methylene chloride	11/1/2016	11/7/2016	6	14	OK
MW-27	Molybdenum	11/1/2016	11/16/2016	15	180	OK
MW-27	Naphthalene	11/1/2016	11/7/2016	6	14	OK
MW-27	Nickel	11/1/2016	11/16/2016	15	180	OK
MW-27	Nitrate/Nitrite (as N)	11/1/2016	11/7/2016	6	28	OK
MW-27	Potassium	11/1/2016	11/15/2016	14	180	OK
MW-27	Selenium	11/1/2016	11/16/2016	15	180	OK
MW-27	Silver	11/1/2016	11/16/2016	15	180	OK
MW-27	Sodium	11/1/2016	11/15/2016	14	180	OK
MW-27	Sulfate	11/1/2016	11/11/2016	10	28	OK
MW-27	Tetrahydrofuran	11/1/2016	11/7/2016	6	14	OK
MW-27	Thallium	11/1/2016	11/15/2016	14	180	OK
MW-27	Tin	11/1/2016	11/16/2016	15	180	OK
MW-27	Toluene	11/1/2016	11/7/2016	6	14	OK
MW-27	Total Dissolved Solids	11/1/2016	11/4/2016	3	7	OK
MW-27	Uranium	11/1/2016	11/18/2016	17	180	OK
MW-27	Vanadium	11/1/2016	11/15/2016	14	180	OK
MW-27	Xylenes, Total	11/1/2016	11/7/2016	6	14	OK
MW-27	Zinc	11/1/2016	11/16/2016	15	180	OK
MW-28	2-Butanone	11/1/2016	11/7/2016	6	14	OK
MW-28	Acetone	11/1/2016	11/7/2016	6	14	OK
MW-28	Ammonia (as N)	11/1/2016	11/10/2016	9	28	OK
MW-28	Arsenic	11/1/2016	11/15/2016	14	180	OK
MW-28	Benzene	11/1/2016	11/7/2016	6	14	OK
MW-28	Beryllium	11/1/2016	11/15/2016	14	180	OK
MW-28	Bicarbonate (as CaCO3)	11/1/2016	11/7/2016	6	14	OK
MW-28	Cadmium	11/1/2016	11/15/2016	14	180	OK
MW-28	Calcium	11/1/2016	11/15/2016	14	180	OK
MW-28	Carbon tetrachloride	11/1/2016	11/7/2016	6	14	OK
MW-28	Carbonate (as CaCO3)	11/1/2016	11/7/2016	6	14	OK
MW-28	Chloride	11/1/2016	11/12/2016	11	28	OK
MW-28	Chloroform	11/1/2016	11/7/2016	6	14	OK
MW-28	Chloromethane	11/1/2016	11/7/2016	6	14	OK
MW-28	Chromium	11/1/2016	11/15/2016	14	180	OK
MW-28	Cobalt	11/1/2016	11/15/2016	14	180	OK
MW-28	Copper	11/1/2016	11/15/2016	14	180	OK
MW-28	Fluoride	11/1/2016	11/11/2016	10	28	OK
MW-28	Gross Radium Alpha	11/1/2016	12/8/2016	37	180	OK
MW-28	Iron	11/1/2016	11/15/2016	14	180	OK
MW-28	Lead	11/1/2016	11/15/2016	14	180	OK
MW-28	Magnesium	11/1/2016	11/15/2016	14	180	OK
MW-28	Manganese	11/1/2016	11/15/2016	14	180	OK
MW-28	Mercury	11/1/2016	11/14/2016	13	180	OK
MW-28	Methylene chloride	11/1/2016	11/7/2016	6	14	OK
MW-28	Molybdenum	11/1/2016	11/15/2016	14	180	OK
MW-28	Naphthalene	11/1/2016	11/7/2016	6	14	OK
MW-28	Nickel	11/1/2016	11/15/2016	14	180	OK
MW-28	Nitrate/Nitrite (as N)	11/1/2016	11/7/2016	6	28	OK
MW-28	Potassium	11/1/2016	11/15/2016	14	180	OK
MW-28	Selenium	11/1/2016	11/15/2016	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-28	Silver	11/1/2016	11/15/2016	14	180	OK
MW-28	Sodium	11/1/2016	11/15/2016	14	180	OK
MW-28	Sulfate	11/1/2016	11/11/2016	10	28	OK
MW-28	Tetrahydrofuran	11/1/2016	11/7/2016	6	14	OK
MW-28	Thallium	11/1/2016	11/15/2016	14	180	OK
MW-28	Tin	11/1/2016	11/15/2016	14	180	OK
MW-28	Toluene	11/1/2016	11/7/2016	6	14	OK
MW-28	Total Dissolved Solids	11/1/2016	11/4/2016	3	7	OK
MW-28	Uranium	11/1/2016	11/18/2016	17	180	OK
MW-28	Vanadium	11/1/2016	11/15/2016	14	180	OK
MW-28	Xylenes, Total	11/1/2016	11/7/2016	6	14	OK
MW-28	Zinc	11/1/2016	11/15/2016	14	180	OK
MW-29	2-Butanone	11/8/2016	11/14/2016	6	14	OK
MW-29	Acetone	11/8/2016	11/14/2016	6	14	OK
MW-29	Ammonia (as N)	11/8/2016	11/17/2016	9	28	OK
MW-29	Arsenic	11/8/2016	11/18/2016	10	180	OK
MW-29	Benzene	11/8/2016	11/14/2016	6	14	OK
MW-29	Beryllium	11/8/2016	11/18/2016	10	180	OK
MW-29	Bicarbonate (as CaCO3)	11/8/2016	11/14/2016	6	14	OK
MW-29	Cadmium	11/8/2016	11/18/2016	10	180	OK
MW-29	Calcium	11/8/2016	11/18/2016	10	180	OK
MW-29	Carbon tetrachloride	11/8/2016	11/14/2016	6	14	OK
MW-29	Carbonate (as CaCO3)	11/8/2016	11/14/2016	6	14	OK
MW-29	Chloride	11/8/2016	11/22/2016	14	28	OK
MW-29	Chloroform	11/8/2016	11/14/2016	6	14	OK
MW-29	Chloromethane	11/8/2016	11/14/2016	6	14	OK
MW-29	Chromium	11/8/2016	11/18/2016	10	180	OK
MW-29	Cobalt	11/8/2016	11/18/2016	10	180	OK
MW-29	Copper	11/8/2016	11/28/2016	20	180	OK
MW-29	Fluoride	11/8/2016	11/21/2016	13	28	OK
MW-29	Gross Radium Alpha	11/8/2016	12/9/2016	31	180	OK
MW-29	Iron	11/8/2016	11/18/2016	10	180	OK
MW-29	Lead	11/8/2016	11/18/2016	10	180	OK
MW-29	Magnesium	11/8/2016	11/18/2016	10	180	OK
MW-29	Manganese	11/8/2016	11/28/2016	20	180	OK
MW-29	Mercury	11/8/2016	11/18/2016	10	180	OK
MW-29	Methylene chloride	11/8/2016	11/14/2016	6	14	OK
MW-29	Molybdenum	11/8/2016	11/18/2016	10	180	OK
MW-29	Naphthalene	11/8/2016	11/14/2016	6	14	OK
MW-29	Nickel	11/8/2016	11/18/2016	10	180	OK
MW-29	Nitrate/Nitrite (as N)	11/8/2016	11/17/2016	9	28	OK
MW-29	Potassium	11/8/2016	11/18/2016	10	180	OK
MW-29	Selenium	11/8/2016	11/18/2016	10	180	OK
MW-29	Silver	11/8/2016	11/18/2016	10	180	OK
MW-29	Sodium	11/8/2016	11/18/2016	10	180	OK
MW-29	Sulfate	11/8/2016	11/22/2016	14	28	OK
MW-29	Tetrahydrofuran	11/8/2016	11/14/2016	6	14	OK
MW-29	Thallium	11/8/2016	11/18/2016	10	180	OK
MW-29	Tin	11/8/2016	11/28/2016	20	180	OK
MW-29	Toluene	11/8/2016	11/14/2016	6	14	OK
MW-29	Total Dissolved Solids	11/8/2016	11/11/2016	3	7	OK
MW-29	Uranium	11/8/2016	11/18/2016	10	180	OK
MW-29	Vanadium	11/8/2016	11/18/2016	10	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-29	Xylenes, Total	11/8/2016	11/14/2016	6	14	OK
MW-29	Zinc	11/8/2016	11/18/2016	10	180	OK
MW-30	2-Butanone	11/3/2016	11/7/2016	4	14	OK
MW-30	Acetone	11/3/2016	11/7/2016	4	14	OK
MW-30	Ammonia (as N)	11/3/2016	11/10/2016	7	28	OK
MW-30	Arsenic	11/3/2016	11/16/2016	13	180	OK
MW-30	Benzene	11/3/2016	11/7/2016	4	14	OK
MW-30	Beryllium	11/3/2016	11/15/2016	12	180	OK
MW-30	Bicarbonate (as CaCO3)	11/3/2016	11/7/2016	4	14	OK
MW-30	Cadmium	11/3/2016	11/16/2016	13	180	OK
MW-30	Calcium	11/3/2016	11/15/2016	12	180	OK
MW-30	Carbon tetrachloride	11/3/2016	11/7/2016	4	14	OK
MW-30	Carbonate (as CaCO3)	11/3/2016	11/7/2016	4	14	OK
MW-30	Chloride	11/3/2016	11/11/2016	8	28	OK
MW-30	Chloroform	11/3/2016	11/7/2016	4	14	OK
MW-30	Chloromethane	11/3/2016	11/7/2016	4	14	OK
MW-30	Chromium	11/3/2016	11/16/2016	13	180	OK
MW-30	Cobalt	11/3/2016	11/16/2016	13	180	OK
MW-30	Copper	11/3/2016	11/16/2016	13	180	OK
MW-30	Fluoride	11/3/2016	11/11/2016	8	28	OK
MW-30	Gross Radium Alpha	11/3/2016	12/8/2016	35	180	OK
MW-30	Iron	11/3/2016	11/15/2016	12	180	OK
MW-30	Lead	11/3/2016	11/15/2016	12	180	OK
MW-30	Magnesium	11/3/2016	11/15/2016	12	180	OK
MW-30	Manganese	11/3/2016	11/16/2016	13	180	OK
MW-30	Mercury	11/3/2016	11/14/2016	11	180	OK
MW-30	Methylene chloride	11/3/2016	11/7/2016	4	14	OK
MW-30	Molybdenum	11/3/2016	11/16/2016	13	180	OK
MW-30	Naphthalene	11/3/2016	11/7/2016	4	14	OK
MW-30	Nickel	11/3/2016	11/16/2016	13	180	OK
MW-30	Nitrate/Nitrite (as N)	11/3/2016	11/7/2016	4	28	OK
MW-30	Potassium	11/3/2016	11/15/2016	12	180	OK
MW-30	Selenium	11/3/2016	11/16/2016	13	180	OK
MW-30	Silver	11/3/2016	11/16/2016	13	180	OK
MW-30	Sodium	11/3/2016	11/15/2016	12	180	OK
MW-30	Sulfate	11/3/2016	11/11/2016	8	28	OK
MW-30	Tetrahydrofuran	11/3/2016	11/7/2016	4	14	OK
MW-30	Thallium	11/3/2016	11/15/2016	12	180	OK
MW-30	Tin	11/3/2016	11/16/2016	13	180	OK
MW-30	Toluene	11/3/2016	11/7/2016	4	14	OK
MW-30	Total Dissolved Solids	11/3/2016	11/4/2016	1	7	OK
MW-30	Uranium	11/3/2016	11/18/2016	15	180	OK
MW-30	Vanadium	11/3/2016	11/15/2016	12	180	OK
MW-30	Xylenes, Total	11/3/2016	11/7/2016	4	14	OK
MW-30	Zinc	11/3/2016	11/16/2016	13	180	OK
MW-31	2-Butanone	11/1/2016	11/7/2016	6	14	OK
MW-31	Acetone	11/1/2016	11/7/2016	6	14	OK
MW-31	Ammonia (as N)	11/1/2016	11/10/2016	9	28	OK
MW-31	Arsenic	11/1/2016	11/16/2016	15	180	OK
MW-31	Benzene	11/1/2016	11/7/2016	6	14	OK
MW-31	Beryllium	11/1/2016	11/15/2016	14	180	OK
MW-31	Bicarbonate (as CaCO3)	11/1/2016	11/7/2016	6	14	OK
MW-31	Cadmium	11/1/2016	11/16/2016	15	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-31	Calcium	11/1/2016	11/15/2016	14	180	OK
MW-31	Carbon tetrachloride	11/1/2016	11/7/2016	6	14	OK
MW-31	Carbonate (as CaCO3)	11/1/2016	11/7/2016	6	14	OK
MW-31	Chloride	11/1/2016	11/11/2016	10	28	OK
MW-31	Chloroform	11/1/2016	11/7/2016	6	14	OK
MW-31	Chloromethane	11/1/2016	11/7/2016	6	14	OK
MW-31	Chromium	11/1/2016	11/16/2016	15	180	OK
MW-31	Cobalt	11/1/2016	11/16/2016	15	180	OK
MW-31	Copper	11/1/2016	11/16/2016	15	180	OK
MW-31	Fluoride	11/1/2016	11/11/2016	10	28	OK
MW-31	Gross Radium Alpha	11/1/2016	12/8/2016	37	180	OK
MW-31	Iron	11/1/2016	11/15/2016	14	180	OK
MW-31	Lead	11/1/2016	11/15/2016	14	180	OK
MW-31	Magnesium	11/1/2016	11/15/2016	14	180	OK
MW-31	Manganese	11/1/2016	11/16/2016	15	180	OK
MW-31	Mercury	11/1/2016	11/14/2016	13	180	OK
MW-31	Methylene chloride	11/1/2016	11/7/2016	6	14	OK
MW-31	Molybdenum	11/1/2016	11/16/2016	15	180	OK
MW-31	Naphthalene	11/1/2016	11/7/2016	6	14	OK
MW-31	Nickel	11/1/2016	11/16/2016	15	180	OK
MW-31	Nitrate/Nitrite (as N)	11/1/2016	11/7/2016	6	28	OK
MW-31	Potassium	11/1/2016	11/15/2016	14	180	OK
MW-31	Selenium	11/1/2016	11/16/2016	15	180	OK
MW-31	Silver	11/1/2016	11/16/2016	15	180	OK
MW-31	Sodium	11/1/2016	11/15/2016	14	180	OK
MW-31	Sulfate	11/1/2016	11/11/2016	10	28	OK
MW-31	Tetrahydrofuran	11/1/2016	11/7/2016	6	14	OK
MW-31	Thallium	11/1/2016	11/15/2016	14	180	OK
MW-31	Tin	11/1/2016	11/16/2016	15	180	OK
MW-31	Toluene	11/1/2016	11/7/2016	6	14	OK
MW-31	Total Dissolved Solids	11/1/2016	11/4/2016	3	7	OK
MW-31	Uranium	11/1/2016	11/18/2016	17	180	OK
MW-31	Vanadium	11/1/2016	11/15/2016	14	180	OK
MW-31	Xylenes, Total	11/1/2016	11/7/2016	6	14	OK
MW-31	Zinc	11/1/2016	11/16/2016	15	180	OK
MW-32	2-Butanone	10/31/2016	11/7/2016	7	14	OK
MW-32	Acetone	10/31/2016	11/7/2016	7	14	OK
MW-32	Ammonia (as N)	10/31/2016	11/10/2016	10	28	OK
MW-32	Arsenic	10/31/2016	11/16/2016	16	180	OK
MW-32	Benzene	10/31/2016	11/7/2016	7	14	OK
MW-32	Beryllium	10/31/2016	11/15/2016	15	180	OK
MW-32	Bicarbonate (as CaCO3)	10/31/2016	11/7/2016	7	14	OK
MW-32	Cadmium	10/31/2016	11/16/2016	16	180	OK
MW-32	Calcium	10/31/2016	11/15/2016	15	180	OK
MW-32	Carbon tetrachloride	10/31/2016	11/7/2016	7	14	OK
MW-32	Carbonate (as CaCO3)	10/31/2016	11/7/2016	7	14	OK
MW-32	Chloride	10/31/2016	11/12/2016	12	28	OK
MW-32	Chloroform	10/31/2016	11/7/2016	7	14	OK
MW-32	Chloromethane	10/31/2016	11/7/2016	7	14	OK
MW-32	Chromium	10/31/2016	11/16/2016	16	180	OK
MW-32	Cobalt	10/31/2016	11/16/2016	16	180	OK
MW-32	Copper	10/31/2016	11/16/2016	16	180	OK
MW-32	Fluoride	10/31/2016	11/11/2016	11	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-32	Gross Radium Alpha	10/31/2016	12/8/2016	38	180	OK
MW-32	Iron	10/31/2016	11/15/2016	15	180	OK
MW-32	Lead	10/31/2016	11/15/2016	15	180	OK
MW-32	Magnesium	10/31/2016	11/15/2016	15	180	OK
MW-32	Manganese	10/31/2016	11/16/2016	16	180	OK
MW-32	Mercury	10/31/2016	11/14/2016	14	180	OK
MW-32	Methylene chloride	10/31/2016	11/7/2016	7	14	OK
MW-32	Molybdenum	10/31/2016	11/16/2016	16	180	OK
MW-32	Naphthalene	10/31/2016	11/7/2016	7	14	OK
MW-32	Nickel	10/31/2016	11/16/2016	16	180	OK
MW-32	Nitrate/Nitrite (as N)	10/31/2016	11/7/2016	7	28	OK
MW-32	Potassium	10/31/2016	11/15/2016	15	180	OK
MW-32	Selenium	10/31/2016	11/16/2016	16	180	OK
MW-32	Silver	10/31/2016	11/16/2016	16	180	OK
MW-32	Sodium	10/31/2016	11/15/2016	15	180	OK
MW-32	Sulfate	10/31/2016	11/11/2016	11	28	OK
MW-32	Tetrahydrofuran	10/31/2016	11/7/2016	7	14	OK
MW-32	Thallium	10/31/2016	11/15/2016	15	180	OK
MW-32	Tin	10/31/2016	11/16/2016	16	180	OK
MW-32	Toluene	10/31/2016	11/7/2016	7	14	OK
MW-32	Total Dissolved Solids	10/31/2016	11/4/2016	4	7	OK
MW-32	Uranium	10/31/2016	11/18/2016	18	180	OK
MW-32	Vanadium	10/31/2016	11/15/2016	15	180	OK
MW-32	Xylenes, Total	10/31/2016	11/7/2016	7	14	OK
MW-32	Zinc	10/31/2016	11/16/2016	16	180	OK
MW-35	2-Butanone	11/9/2016	11/14/2016	5	14	OK
MW-35	Acetone	11/9/2016	11/14/2016	5	14	OK
MW-35	Ammonia (as N)	11/9/2016	11/17/2016	8	28	OK
MW-35	Arsenic	11/9/2016	11/18/2016	9	180	OK
MW-35	Benzene	11/9/2016	11/14/2016	5	14	OK
MW-35	Beryllium	11/9/2016	11/18/2016	9	180	OK
MW-35	Bicarbonate (as CaCO3)	11/9/2016	11/14/2016	5	14	OK
MW-35	Cadmium	11/9/2016	11/18/2016	9	180	OK
MW-35	Calcium	11/9/2016	11/18/2016	9	180	OK
MW-35	Carbon tetrachloride	11/9/2016	11/14/2016	5	14	OK
MW-35	Carbonate (as CaCO3)	11/9/2016	11/14/2016	5	14	OK
MW-35	Chloride	11/9/2016	11/22/2016	13	28	OK
MW-35	Chloroform	11/9/2016	11/14/2016	5	14	OK
MW-35	Chloromethane	11/9/2016	11/14/2016	5	14	OK
MW-35	Chromium	11/9/2016	11/18/2016	9	180	OK
MW-35	Cobalt	11/9/2016	11/18/2016	9	180	OK
MW-35	Copper	11/9/2016	11/28/2016	19	180	OK
MW-35	Fluoride	11/9/2016	11/21/2016	12	28	OK
MW-35	Gross Radium Alpha	11/9/2016	12/9/2016	30	180	OK
MW-35	Iron	11/9/2016	11/18/2016	9	180	OK
MW-35	Lead	11/9/2016	11/18/2016	9	180	OK
MW-35	Magnesium	11/9/2016	11/18/2016	9	180	OK
MW-35	Manganese	11/9/2016	11/18/2016	9	180	OK
MW-35	Mercury	11/9/2016	11/18/2016	9	180	OK
MW-35	Methylene chloride	11/9/2016	11/14/2016	5	14	OK
MW-35	Molybdenum	11/9/2016	11/18/2016	9	180	OK
MW-35	Naphthalene	11/9/2016	11/14/2016	5	14	OK
MW-35	Nickel	11/9/2016	11/18/2016	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	Nitrate/Nitrite (as N)	11/9/2016	11/17/2016	8	28	OK
MW-35	Potassium	11/9/2016	11/18/2016	9	180	OK
MW-35	Selenium	11/9/2016	11/18/2016	9	180	OK
MW-35	Silver	11/9/2016	11/18/2016	9	180	OK
MW-35	Sodium	11/9/2016	11/18/2016	9	180	OK
MW-35	Sulfate	11/9/2016	11/22/2016	13	28	OK
MW-35	Tetrahydrofuran	11/9/2016	11/14/2016	5	14	OK
MW-35	Thallium	11/9/2016	11/18/2016	9	180	OK
MW-35	Tin	11/9/2016	11/28/2016	19	180	OK
MW-35	Toluene	11/9/2016	11/14/2016	5	14	OK
MW-35	Total Dissolved Solids	11/9/2016	11/11/2016	2	7	OK
MW-35	Uranium	11/9/2016	11/18/2016	9	180	OK
MW-35	Vanadium	11/9/2016	11/18/2016	9	180	OK
MW-35	Xylenes, Total	11/9/2016	11/14/2016	5	14	OK
MW-35	Zinc	11/9/2016	11/18/2016	9	180	OK
MW-36	2-Butanone	11/9/2016	11/14/2016	5	14	OK
MW-36	Acetone	11/9/2016	11/14/2016	5	14	OK
MW-36	Ammonia (as N)	11/9/2016	11/17/2016	8	28	OK
MW-36	Arsenic	11/9/2016	11/18/2016	9	180	OK
MW-36	Benzene	11/9/2016	11/14/2016	5	14	OK
MW-36	Beryllium	11/9/2016	11/18/2016	9	180	OK
MW-36	Bicarbonate (as CaCO3)	11/9/2016	11/14/2016	5	14	OK
MW-36	Cadmium	11/9/2016	11/18/2016	9	180	OK
MW-36	Calcium	11/9/2016	11/18/2016	9	180	OK
MW-36	Carbon tetrachloride	11/9/2016	11/14/2016	5	14	OK
MW-36	Carbonate (as CaCO3)	11/9/2016	11/14/2016	5	14	OK
MW-36	Chloride	11/9/2016	11/22/2016	13	28	OK
MW-36	Chloroform	11/9/2016	11/14/2016	5	14	OK
MW-36	Chloromethane	11/9/2016	11/14/2016	5	14	OK
MW-36	Chromium	11/9/2016	11/18/2016	9	180	OK
MW-36	Cobalt	11/9/2016	11/18/2016	9	180	OK
MW-36	Copper	11/9/2016	11/28/2016	19	180	OK
MW-36	Fluoride	11/9/2016	11/21/2016	12	28	OK
MW-36	Gross Radium Alpha	11/9/2016	12/9/2016	30	180	OK
MW-36	Iron	11/9/2016	11/18/2016	9	180	OK
MW-36	Lead	11/9/2016	11/18/2016	9	180	OK
MW-36	Magnesium	11/9/2016	11/18/2016	9	180	OK
MW-36	Manganese	11/9/2016	11/18/2016	9	180	OK
MW-36	Mercury	11/9/2016	11/18/2016	9	180	OK
MW-36	Methylene chloride	11/9/2016	11/14/2016	5	14	OK
MW-36	Molybdenum	11/9/2016	11/18/2016	9	180	OK
MW-36	Naphthalene	11/9/2016	11/14/2016	5	14	OK
MW-36	Nickel	11/9/2016	11/18/2016	9	180	OK
MW-36	Nitrate/Nitrite (as N)	11/9/2016	11/17/2016	8	28	OK
MW-36	Potassium	11/9/2016	11/18/2016	9	180	OK
MW-36	Selenium	11/9/2016	11/18/2016	9	180	OK
MW-36	Silver	11/9/2016	11/18/2016	9	180	OK
MW-36	Sodium	11/9/2016	11/18/2016	9	180	OK
MW-36	Sulfate	11/9/2016	11/22/2016	13	28	OK
MW-36	Tetrahydrofuran	11/9/2016	11/14/2016	5	14	OK
MW-36	Thallium	11/9/2016	11/18/2016	9	180	OK
MW-36	Tin	11/9/2016	11/28/2016	19	180	OK
MW-36	Toluene	11/9/2016	11/14/2016	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-36	Total Dissolved Solids	11/9/2016	11/11/2016	2	7	OK
MW-36	Uranium	11/9/2016	11/18/2016	9	180	OK
MW-36	Vanadium	11/9/2016	11/18/2016	9	180	OK
MW-36	Xylenes, Total	11/9/2016	11/14/2016	5	14	OK
MW-36	Zinc	11/9/2016	11/18/2016	9	180	OK
MW-37	2-Butanone	11/16/2016	11/21/2016	5	14	OK
MW-37	Acetone	11/16/2016	11/21/2016	5	14	OK
MW-37	Ammonia (as N)	11/16/2016	11/23/2016	7	28	OK
MW-37	Arsenic	11/16/2016	11/29/2016	13	180	OK
MW-37	Benzene	11/16/2016	11/21/2016	5	14	OK
MW-37	Beryllium	11/16/2016	11/29/2016	13	180	OK
MW-37	Bicarbonate (as CaCO3)	11/16/2016	11/23/2016	7	14	OK
MW-37	Cadmium	11/16/2016	11/29/2016	13	180	OK
MW-37	Calcium	11/16/2016	12/6/2016	20	180	OK
MW-37	Carbon tetrachloride	11/16/2016	11/21/2016	5	14	OK
MW-37	Carbonate (as CaCO3)	11/16/2016	11/23/2016	7	14	OK
MW-37	Chloride	11/16/2016	12/1/2016	15	28	OK
MW-37	Chloroform	11/16/2016	11/21/2016	5	14	OK
MW-37	Chloromethane	11/16/2016	11/21/2016	5	14	OK
MW-37	Chromium	11/16/2016	11/29/2016	13	180	OK
MW-37	Cobalt	11/16/2016	11/29/2016	13	180	OK
MW-37	Copper	11/16/2016	11/29/2016	13	180	OK
MW-37	Fluoride	11/16/2016	12/2/2016	16	28	OK
MW-37	Gross Radium Alpha	11/16/2016	12/8/2016	22	180	OK
MW-37	Iron	11/16/2016	11/29/2016	13	180	OK
MW-37	Lead	11/16/2016	11/29/2016	13	180	OK
MW-37	Magnesium	11/16/2016	12/6/2016	20	180	OK
MW-37	Manganese	11/16/2016	11/29/2016	13	180	OK
MW-37	Mercury	11/16/2016	11/30/2016	14	180	OK
MW-37	Methylene chloride	11/16/2016	11/21/2016	5	14	OK
MW-37	Molybdenum	11/16/2016	11/29/2016	13	180	OK
MW-37	Naphthalene	11/16/2016	11/21/2016	5	14	OK
MW-37	Nickel	11/16/2016	11/29/2016	13	180	OK
MW-37	Nitrate/Nitrite (as N)	11/16/2016	11/21/2016	5	28	OK
MW-37	Potassium	11/16/2016	12/6/2016	20	180	OK
MW-37	Selenium	11/16/2016	11/29/2016	13	180	OK
MW-37	Silver	11/16/2016	11/29/2016	13	180	OK
MW-37	Sodium	11/16/2016	12/6/2016	20	180	OK
MW-37	Sulfate	11/16/2016	12/1/2016	15	28	OK
MW-37	Tetrahydrofuran	11/16/2016	11/21/2016	5	14	OK
MW-37	Thallium	11/16/2016	11/29/2016	13	180	OK
MW-37	Tin	11/16/2016	11/29/2016	13	180	OK
MW-37	Toluene	11/16/2016	11/21/2016	5	14	OK
MW-37	Total Dissolved Solids	11/16/2016	11/18/2016	2	7	OK
MW-37	Uranium	11/16/2016	11/29/2016	13	180	OK
MW-37	Vanadium	11/16/2016	12/6/2016	20	180	OK
MW-37	Xylenes, Total	11/16/2016	11/21/2016	5	14	OK
MW-37	Zinc	11/16/2016	11/29/2016	13	180	OK
MW-65	2-Butanone	11/9/2016	11/14/2016	5	14	OK
MW-65	Acetone	11/9/2016	11/14/2016	5	14	OK
MW-65	Ammonia (as N)	11/9/2016	11/17/2016	8	28	OK
MW-65	Arsenic	11/9/2016	11/18/2016	9	180	OK
MW-65	Benzene	11/9/2016	11/14/2016	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-65	Beryllium	11/9/2016	11/18/2016	9	180	OK
MW-65	Bicarbonate (as CaCO3)	11/9/2016	11/14/2016	5	14	OK
MW-65	Cadmium	11/9/2016	11/18/2016	9	180	OK
MW-65	Calcium	11/9/2016	11/18/2016	9	180	OK
MW-65	Carbon tetrachloride	11/9/2016	11/14/2016	5	14	OK
MW-65	Carbonate (as CaCO3)	11/9/2016	11/14/2016	5	14	OK
MW-65	Chloride	11/9/2016	11/22/2016	13	28	OK
MW-65	Chloroform	11/9/2016	11/14/2016	5	14	OK
MW-65	Chloromethane	11/9/2016	11/14/2016	5	14	OK
MW-65	Chromium	11/9/2016	11/18/2016	9	180	OK
MW-65	Cobalt	11/9/2016	11/18/2016	9	180	OK
MW-65	Copper	11/9/2016	11/28/2016	19	180	OK
MW-65	Fluoride	11/9/2016	11/21/2016	12	28	OK
MW-65	Gross Radium Alpha	11/9/2016	12/9/2016	30	180	OK
MW-65	Iron	11/9/2016	11/18/2016	9	180	OK
MW-65	Lead	11/9/2016	11/18/2016	9	180	OK
MW-65	Magnesium	11/9/2016	11/18/2016	9	180	OK
MW-65	Manganese	11/9/2016	11/18/2016	9	180	OK
MW-65	Mercury	11/9/2016	11/18/2016	9	180	OK
MW-65	Methylene chloride	11/9/2016	11/14/2016	5	14	OK
MW-65	Molybdenum	11/9/2016	11/18/2016	9	180	OK
MW-65	Naphthalene	11/9/2016	11/14/2016	5	14	OK
MW-65	Nickel	11/9/2016	11/18/2016	9	180	OK
MW-65	Nitrate/Nitrite (as N)	11/9/2016	11/17/2016	8	28	OK
MW-65	Potassium	11/9/2016	11/18/2016	9	180	OK
MW-65	Selenium	11/9/2016	11/18/2016	9	180	OK
MW-65	Silver	11/9/2016	11/18/2016	9	180	OK
MW-65	Sodium	11/9/2016	11/18/2016	9	180	OK
MW-65	Sulfate	11/9/2016	11/22/2016	13	28	OK
MW-65	Tetrahydrofuran	11/9/2016	11/14/2016	5	14	OK
MW-65	Thallium	11/9/2016	11/18/2016	9	180	OK
MW-65	Tin	11/9/2016	11/28/2016	19	180	OK
MW-65	Toluene	11/9/2016	11/14/2016	5	14	OK
MW-65	Total Dissolved Solids	11/9/2016	11/11/2016	2	7	OK
MW-65	Uranium	11/9/2016	11/18/2016	9	180	OK
MW-65	Vanadium	11/9/2016	11/18/2016	9	180	OK
MW-65	Xylenes, Total	11/9/2016	11/14/2016	5	14	OK
MW-65	Zinc	11/9/2016	11/18/2016	9	180	OK
MW-70	2-Butanone	11/16/2016	11/21/2016	5	14	OK
MW-70	Acetone	11/16/2016	11/21/2016	5	14	OK
MW-70	Ammonia (as N)	11/16/2016	11/23/2016	7	28	OK
MW-70	Arsenic	12/13/2016	12/14/2016	1	180	OK
MW-70	Benzene	11/16/2016	11/21/2016	5	14	OK
MW-70	Beryllium	12/13/2016	12/14/2016	1	180	OK
MW-70	Bicarbonate (as CaCO3)	11/16/2016	11/23/2016	7	14	OK
MW-70	Cadmium	12/13/2016	12/14/2016	1	180	OK
MW-70	Calcium	12/13/2016	12/15/2016	2	180	OK
MW-70	Carbon tetrachloride	11/16/2016	11/21/2016	5	14	OK
MW-70	Carbonate (as CaCO3)	11/16/2016	11/23/2016	7	14	OK
MW-70	Chloride	11/16/2016	12/1/2016	15	28	OK
MW-70	Chloroform	11/16/2016	11/21/2016	5	14	OK
MW-70	Chloromethane	11/16/2016	11/21/2016	5	14	OK
MW-70	Chromium	12/13/2016	12/14/2016	1	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-70	Cobalt	12/13/2016	12/14/2016	1	180	OK
MW-70	Copper	12/13/2016	12/14/2016	1	180	OK
MW-70	Fluoride	11/16/2016	12/2/2016	16	28	OK
MW-70	Gross Radium Alpha	11/16/2016	12/8/2016	22	180	OK
MW-70	Iron	12/13/2016	12/14/2016	1	180	OK
MW-70	Lead	12/13/2016	12/14/2016	1	180	OK
MW-70	Magnesium	12/13/2016	12/15/2016	2	180	OK
MW-70	Manganese	12/13/2016	12/14/2016	1	180	OK
MW-70	Mercury	12/13/2016	12/15/2016	2	180	OK
MW-70	Methylene chloride	11/16/2016	11/21/2016	5	14	OK
MW-70	Molybdenum	12/13/2016	12/14/2016	1	180	OK
MW-70	Naphthalene	11/16/2016	11/21/2016	5	14	OK
MW-70	Nickel	12/13/2016	12/14/2016	1	180	OK
MW-70	Nitrate/Nitrite (as N)	11/16/2016	11/21/2016	5	28	OK
MW-70	Potassium	12/13/2016	12/15/2016	2	180	OK
MW-70	Selenium	12/13/2016	12/14/2016	1	180	OK
MW-70	Silver	12/13/2016	12/14/2016	1	180	OK
MW-70	Sodium	12/13/2016	12/15/2016	2	180	OK
MW-70	Sulfate	11/16/2016	12/1/2016	15	28	OK
MW-70	Tetrahydrofuran	11/16/2016	11/21/2016	5	14	OK
MW-70	Thallium	12/13/2016	12/14/2016	1	180	OK
MW-70	Tin	12/13/2016	12/14/2016	1	180	OK
MW-70	Toluene	11/16/2016	11/21/2016	5	14	OK
MW-70	Total Dissolved Solids	11/16/2016	11/18/2016	2	7	OK
MW-70	Uranium	12/13/2016	12/14/2016	1	180	OK
MW-70	Vanadium	12/13/2016	12/15/2016	2	180	OK
MW-70	Xylenes, Total	11/16/2016	11/21/2016	5	14	OK
MW-70	Zinc	12/13/2016	12/14/2016	1	180	OK
Trip Blank	2-Butanone	11/7/2016	11/14/2016	7	14	OK
Trip Blank	2-Butanone	11/16/2016	11/21/2016	5	14	OK
Trip Blank	2-Butanone	10/31/2016	11/7/2016	7	14	OK
Trip Blank	Acetone	11/7/2016	11/14/2016	7	14	OK
Trip Blank	Acetone	11/16/2016	11/21/2016	5	14	OK
Trip Blank	Acetone	10/31/2016	11/7/2016	7	14	OK
Trip Blank	Benzene	11/7/2016	11/14/2016	7	14	OK
Trip Blank	Benzene	11/16/2016	11/21/2016	5	14	OK
Trip Blank	Benzene	10/31/2016	11/7/2016	7	14	OK
Trip Blank	Carbon tetrachloride	11/7/2016	11/14/2016	7	14	OK
Trip Blank	Carbon tetrachloride	11/16/2016	11/21/2016	5	14	OK
Trip Blank	Carbon tetrachloride	10/31/2016	11/7/2016	7	14	OK
Trip Blank	Chloroform	11/7/2016	11/14/2016	7	14	OK
Trip Blank	Chloroform	11/16/2016	11/21/2016	5	14	OK
Trip Blank	Chloroform	10/31/2016	11/7/2016	7	14	OK
Trip Blank	Chloromethane	11/7/2016	11/14/2016	7	14	OK
Trip Blank	Chloromethane	11/16/2016	11/21/2016	5	14	OK
Trip Blank	Chloromethane	10/31/2016	11/7/2016	7	14	OK
Trip Blank	Methylene chloride	11/7/2016	11/14/2016	7	14	OK
Trip Blank	Methylene chloride	11/16/2016	11/21/2016	5	14	OK
Trip Blank	Methylene chloride	10/31/2016	11/7/2016	7	14	OK
Trip Blank	Naphthalene	11/7/2016	11/14/2016	7	14	OK
Trip Blank	Naphthalene	11/16/2016	11/21/2016	5	14	OK
Trip Blank	Naphthalene	10/31/2016	11/7/2016	7	14	OK
Trip Blank	Tetrahydrofuran	11/7/2016	11/14/2016	7	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
Trip Blank	Tetrahydrofuran	11/16/2016	11/21/2016	5	14	OK
Trip Blank	Tetrahydrofuran	10/31/2016	11/7/2016	7	14	OK
Trip Blank	Toluene	11/7/2016	11/14/2016	7	14	OK
Trip Blank	Toluene	11/16/2016	11/21/2016	5	14	OK
Trip Blank	Toluene	10/31/2016	11/7/2016	7	14	OK
Trip Blank	Xylenes, Total	11/7/2016	11/14/2016	7	14	OK
Trip Blank	Xylenes, Total	11/16/2016	11/21/2016	5	14	OK
Trip Blank	Xylenes, Total	10/31/2016	11/7/2016	7	14	OK

G-2B: Accelerated Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
Trip Blank	Chloroform	10/6/2016	10/7/2016	1	14	OK
Trip Blank	Methylene chloride	10/6/2016	10/7/2016	1	14	OK
Trip Blank	Chloroform	12/5/2016	12/8/2016	3	14	OK
Trip Blank	Methylene chloride	12/5/2016	12/8/2016	3	14	OK
MW-11	Manganese	10/5/2016	10/11/2016	6	180	OK
MW-11	Manganese	12/6/2016	12/12/2016	6	180	OK
MW-25	Chloride	10/4/2016	10/10/2016	6	28	OK
MW-25	Cadmium	10/4/2016	10/11/2016	7	180	OK
MW-25	Uranium	10/4/2016	10/11/2016	7	180	OK
MW-25	Cadmium	12/5/2016	12/12/2016	7	180	OK
MW-25	Uranium	12/5/2016	12/12/2016	7	180	OK
MW-26	Chloride	10/6/2016	10/10/2016	4	28	OK
MW-26	Chloroform	10/6/2016	10/7/2016	1	14	OK
MW-26	Uranium	10/6/2016	10/11/2016	5	180	OK
MW-26	Methylene chloride	10/6/2016	10/7/2016	1	14	OK
MW-26	Nitrate/Nitrite (as N)	10/6/2016	10/10/2016	4	28	OK
MW-26	Chloride	12/6/2016	12/14/2016	8	28	OK
MW-26	Chloroform	12/6/2016	12/8/2016	2	14	OK
MW-26	Uranium	12/6/2016	12/12/2016	6	180	OK
MW-26	Methylene chloride	12/6/2016	12/8/2016	2	14	OK
MW-26	Nitrate/Nitrite (as N)	12/6/2016	12/14/2016	8	28	OK
MW-30	Chloride	10/5/2016	10/10/2016	5	28	OK
MW-30	Fluoride	10/5/2016	10/10/2016	5	27	OK
MW-30	Uranium	10/5/2016	10/11/2016	6	180	OK
MW-30	Selenium	10/5/2016	10/11/2016	6	180	OK
MW-30	Nitrate/Nitrite (as N)	10/5/2016	10/10/2016	5	28	OK
MW-30	Chloride	12/6/2016	12/14/2016	8	28	OK
MW-30	Fluoride	12/6/2016	12/14/2016	8	27	OK
MW-30	Uranium	12/6/2016	12/12/2016	6	180	OK
MW-30	Selenium	12/6/2016	12/12/2016	6	180	OK
MW-30	Nitrate/Nitrite (as N)	12/6/2016	12/14/2016	8	28	OK
MW-31	Sulfate	10/4/2016	10/10/2016	6	28	OK
MW-31	Chloride	10/4/2016	10/10/2016	6	28	OK
MW-31	Selenium	10/4/2016	10/11/2016	7	180	OK
MW-31	Nitrate/Nitrite (as N)	10/4/2016	10/10/2016	6	28	OK
MW-31	Total Dissolved Solids	10/4/2016	10/10/2016	6	7	OK
MW-31	Sulfate	12/5/2016	12/14/2016	9	28	OK
MW-31	Chloride	12/5/2016	12/14/2016	9	28	OK
MW-31	Uranium	12/5/2016	12/12/2016	7	180	OK
MW-31	Selenium	12/5/2016	12/12/2016	7	180	OK
MW-31	Nitrate/Nitrite (as N)	12/5/2016	12/14/2016	9	28	OK
MW-31	Total Dissolved Solids	12/5/2016	12/9/2016	4	7	OK
MW-35	Manganese	10/4/2016	10/11/2016	7	180	OK
MW-35	Thallium	10/4/2016	10/11/2016	7	180	OK
MW-35	Uranium	10/4/2016	10/11/2016	7	180	OK
MW-35	Selenium	10/4/2016	10/11/2016	7	180	OK
MW-35	Gross Radium Alpha	10/4/2016	11/11/2016	38	180	OK
MW-35	Gross Radium Alpha	12/5/2016	1/10/2017	36	180	OK
MW-35	Manganese	12/5/2016	12/12/2016	7	180	OK
MW-35	Uranium	12/5/2016	12/12/2016	7	180	OK
MW-35	Selenium	12/5/2016	12/12/2016	7	180	OK
MW-65	Manganese	10/4/2016	10/11/2016	7	180	OK
MW-65	Thallium	10/4/2016	10/11/2016	7	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-65	Uranium	10/4/2016	10/11/2016	7	180	OK
MW-65	Selenium	10/4/2016	10/11/2016	7	180	OK
MW-65	Gross Radium Alpha	10/4/2016	11/11/2016	38	180	OK
MW-65	Chloride	12/6/2016	12/14/2016	8	28	OK
MW-65	Fluoride	12/6/2016	12/14/2016	8	27	OK
MW-65	Uranium	12/6/2016	12/12/2016	6	180	OK
MW-65	Selenium	12/6/2016	12/12/2016	6	180	OK
MW-65	Nitrate/Nitrite (as N)	12/6/2016	12/14/2016	8	28	OK

G-3A: Laboratory Receipt Temperature Check

Sample Batch	Wells in Batch	Temperature
AWAL 1611263	MW-1, MW-2, MW-3, MW-3A, MW-5, MW-11, MW-12, MW-19, MW-24, MW-26, MW-29, MW-35, MW-36, MW-65, Trip Blank	2.6 °C
AWAL 1611110	MW-14, MW-15, MW-18, MW-25, MW-27, MW-28, MW-30, MW-31, MW-32, Trip Blank	2.5 °C
AWAL 1611393	MW-17, MW-20, MW-22, MW-23, MW-37, MW-70, Trip Blank	3.5 °C
AWAL 1612294	MW-17 and MW-70 (Metals Only)	0.2 °C
GEL 410075	MW-14, MW-15, MW-18, MW-25, MW-27, MW-28, MW-30, MW-31, MW-32	N/A
GEL 410417	MW-1, MW-2, MW-3, MW-3A, MW-5, MW-11, MW-12, MW-19, MW-24, MW-26, MW-29, MW-35, MW-36, MW-65	N/A
GEL 411094	MW-17, MW-20, MW-22, MW-23, MW-37, MW-70	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 1610115	MW-11, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65, Trip Blank	2.9°C
GEL 408397	MW-35, MW-65	NA
AWAL 1612180	MW-11, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65, Trip Blank	1.3 °C
GEL 412449	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	A2540C
Carbonate as CO3, Bicarbonate as HCO3	A2320 B	A2320B
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
MW-01	Gross Radium Alpha	0.654	pCi/L	U	1	1	OK
MW-01	Toluene	1	ug/L	U	1	1	OK
MW-01	Tetrahydrofuran	1	ug/L		1	1	OK
MW-01	Xylenes, Total	1	ug/L	U	1	1	OK
MW-01	Sulfate	100	mg/L		100	1	OK
MW-01	Chloride	10	mg/L		10	1	OK
MW-01	Fluoride	0.1	mg/L		1	0.1	OK
MW-01	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-01	Acetone	20	ug/L	U	1	20	OK
MW-01	Chloroform	1	ug/L	U	1	1	OK
MW-01	Benzene	1	ug/L	U	1	1	OK
MW-01	Chloromethane	1	ug/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	Molybdenum	10	ug/L	U	20	10	OK
MW-01	Nickel	20	ug/L	U	20	20	OK
MW-01	Potassium	1	mg/L		1	0.5	OK
MW-01	Silver	10	ug/L	U	20	10	OK
MW-01	Sodium	10	mg/L		10	0.5	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	Arsenic	5	ug/L	U	20	5	OK
MW-01	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-01	Cadmium	0.5	ug/L	U	20	0.5	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	Uranium	0.3	ug/L		2	0.3	OK
MW-01	Vanadium	15	ug/L	U	1	15	OK
MW-01	Zinc	10	ug/L	U	20	10	OK
MW-01	Calcium	10	mg/L		10	0.5	OK
MW-01	Methylene chloride	1	ug/L	U	1	1	OK
MW-01	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-01	Selenium	5	ug/L	U	20	5	OK
MW-01	2-Butanone	20	ug/L	U	1	20	OK
MW-01	Naphthalene	1	ug/L	U	1	1	OK
MW-01	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-01	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-01	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-01	Total Dissolved Solids	20	MG/L		2	10	OK
MW-02	Toluene	1	ug/L	U	1	1	OK
MW-02	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-02	Xylenes, Total	1	ug/L	U	1	1	OK
MW-02	Sulfate	1000	mg/L		1000	1	OK
MW-02	Chloride	1	mg/L		1	1	OK
MW-02	Fluoride	0.1	mg/L		1	0.1	OK
MW-02	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-02	Acetone	20	ug/L	U	1	20	OK
MW-02	Chloroform	1	ug/L	U	1	1	OK
MW-02	Benzene	1	ug/L	U	1	1	OK
MW-02	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-02	Iron	30	ug/L	U	5	30	OK
MW-02	Lead	1	ug/L	U	5	1	OK
MW-02	Magnesium	20	mg/L		20	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	Molybdenum	10	ug/L	U	20	10	OK
MW-02	Nickel	20	ug/L	U	20	20	OK
MW-02	Potassium	1	mg/L		1	0.5	OK
MW-02	Silver	10	ug/L	U	20	10	OK
MW-02	Sodium	20	mg/L		20	0.5	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	Arsenic	5	ug/L	U	20	5	OK
MW-02	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-02	Cadmium	0.5	ug/L	U	20	0.5	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	Uranium	0.3	ug/L		2	0.3	OK
MW-02	Vanadium	15	ug/L	U	1	15	OK
MW-02	Zinc	10	ug/L		20	10	OK
MW-02	Calcium	20	mg/L		20	0.5	OK
MW-02	Methylene chloride	1	ug/L	U	1	1	OK
MW-02	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-02	Selenium	5	ug/L		20	5	OK
MW-02	2-Butanone	20	ug/L	U	1	20	OK
MW-02	Naphthalene	1	ug/L	U	1	1	OK
MW-02	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-02	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-02	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-02	Total Dissolved Solids	20	MG/L		2	10	OK
MW-02	Gross Radium Alpha	0.652	pCi/L	U	1	1	OK
MW-03	Gross Radium Alpha	0.835	pCi/L	U	1	1	OK
MW-03	Toluene	1	ug/L	U	1	1	OK
MW-03	Tetrahydrofuran	1	ug/L		1	1	OK
MW-03	Xylenes, Total	1	ug/L	U	1	1	OK
MW-03	Sulfate	1000	mg/L		1000	1	OK
MW-03	Chloride	10	mg/L		10	1	OK
MW-03	Fluoride	0.1	mg/L		1	0.1	OK
MW-03	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-03	Acetone	20	ug/L	U	1	20	OK
MW-03	Chloroform	1	ug/L	U	1	1	OK
MW-03	Benzene	1	ug/L	U	1	1	OK
MW-03	Chloromethane	1	ug/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	50	mg/L		50	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	Molybdenum	10	ug/L	U	20	10	OK
MW-03	Nickel	20	ug/L		20	20	OK
MW-03	Potassium	1	mg/L		1	0.5	OK
MW-03	Silver	10	ug/L	U	20	10	OK
MW-03	Sodium	50	mg/L		50	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-03	Thallium	0.5	ug/L		5	0.5	OK
MW-03	Tin	100	ug/L	U	20	100	OK
MW-03	Arsenic	5	ug/L	U	20	5	OK
MW-03	Beryllium	0.5	ug/L		5	0.5	OK
MW-03	Cadmium	0.5	ug/L		20	0.5	OK
MW-03	Chromium	25	ug/L	U	20	25	OK
MW-03	Cobalt	10	ug/L		20	10	OK
MW-03	Copper	10	ug/L	U	20	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	Zinc	10	ug/L		20	10	OK
MW-03	Calcium	50	mg/L		50	0.5	OK
MW-03	Methylene chloride	1	ug/L	U	1	1	OK
MW-03	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-03	Selenium	5	ug/L		20	5	OK
MW-03	2-Butanone	20	ug/L	U	1	20	OK
MW-03	Naphthalene	1	ug/L	U	1	1	OK
MW-03	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-03	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-03	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-03	Total Dissolved Solids	20	MG/L		2	10	OK
MW-03a	Toluene	1	ug/L	U	1	1	OK
MW-03a	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-03a	Xylenes, Total	1	ug/L	U	1	1	OK
MW-03a	Sulfate	1000	mg/L		1000	1	OK
MW-03a	Chloride	10	mg/L		10	1	OK
MW-03a	Fluoride	0.1	mg/L		1	0.1	OK
MW-03a	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-03a	Acetone	20	ug/L	U	1	20	OK
MW-03a	Chloroform	1	ug/L	U	1	1	OK
MW-03a	Benzene	1	ug/L	U	1	1	OK
MW-03a	Chloromethane	1	ug/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	50	mg/L		50	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	Molybdenum	10	ug/L	U	20	10	OK
MW-03a	Nickel	20	ug/L	U	20	20	OK
MW-03a	Potassium	2	mg/L		2	0.5	OK
MW-03a	Silver	10	ug/L	U	20	10	OK
MW-03a	Sodium	50	mg/L		50	0.5	OK
MW-03a	Thallium	0.5	ug/L		5	0.5	OK
MW-03a	Tin	100	ug/L	U	20	100	OK
MW-03a	Arsenic	5	ug/L	U	20	5	OK
MW-03a	Beryllium	0.5	ug/L		5	0.5	OK
MW-03a	Cadmium	0.5	ug/L		20	0.5	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	Uranium	0.3	ug/L		2	0.3	OK
MW-03a	Vanadium	15	ug/L	U	1	15	OK
MW-03a	Zinc	10	ug/L		20	10	OK
MW-03a	Calcium	50	mg/L		50	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-03a	Methylene chloride	1	ug/L	U	1	1	OK
MW-03a	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-03a	Selenium	5	ug/L		20	5	OK
MW-03a	2-Butanone	20	ug/L	U	1	20	OK
MW-03a	Naphthalene	1	ug/L	U	1	1	OK
MW-03a	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-03a	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-03a	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-03a	Total Dissolved Solids	20	MG/L		2	10	OK
MW-03a	Gross Radium Alpha	0.94	pCi/L	U	1	1	OK
MW-05	Gross Radium Alpha	0.608	pCi/L	U	1	1	OK
MW-05	Toluene	1	ug/L	U	1	1	OK
MW-05	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-05	Xylenes, Total	1	ug/L	U	1	1	OK
MW-05	Sulfate	100	mg/L		100	1	OK
MW-05	Chloride	10	mg/L		10	1	OK
MW-05	Fluoride	0.1	mg/L		1	0.1	OK
MW-05	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-05	Acetone	20	ug/L	U	1	20	OK
MW-05	Chloroform	1	ug/L	U	1	1	OK
MW-05	Benzene	1	ug/L	U	1	1	OK
MW-05	Chloromethane	1	ug/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	20	mg/L		20	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	Molybdenum	10	ug/L	U	20	10	OK
MW-05	Nickel	20	ug/L	U	20	20	OK
MW-05	Potassium	1	mg/L		1	0.5	OK
MW-05	Silver	10	ug/L	U	20	10	OK
MW-05	Sodium	20	mg/L		20	0.5	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	Arsenic	5	ug/L	U	20	5	OK
MW-05	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-05	Cadmium	0.5	ug/L	U	20	0.5	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	Uranium	0.3	ug/L		2	0.3	OK
MW-05	Vanadium	15	ug/L	U	1	15	OK
MW-05	Zinc	10	ug/L	U	20	10	OK
MW-05	Calcium	20	mg/L		20	0.5	OK
MW-05	Methylene chloride	1	ug/L	U	1	1	OK
MW-05	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-05	Selenium	5	ug/L	U	20	5	OK
MW-05	2-Butanone	20	ug/L	U	1	20	OK
MW-05	Naphthalene	1	ug/L	U	1	1	OK
MW-05	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-05	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-05	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-05	Total Dissolved Solids	20	MG/L		2	10	OK
MW-11	Toluene	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-11	Tetrahydrofuran	1	ug/L		1	1	OK
MW-11	Xylenes, Total	1	ug/L	U	1	1	OK
MW-11	Sulfate	100	mg/L		100	1	OK
MW-11	Chloride	10	mg/L		10	1	OK
MW-11	Fluoride	0.1	mg/L		1	0.1	OK
MW-11	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-11	Acetone	20	ug/L	U	1	20	OK
MW-11	Chloroform	1	ug/L	U	1	1	OK
MW-11	Benzene	1	ug/L	U	1	1	OK
MW-11	Chloromethane	1	ug/L	U	1	1	OK
MW-11	Iron	30	ug/L		5	30	OK
MW-11	Lead	1	ug/L	U	5	1	OK
MW-11	Magnesium	5	mg/L		5	0.5	OK
MW-11	Manganese	10	ug/L		20	10	OK
MW-11	Mercury	0.5	ug/L	U	1	0.5	OK
MW-11	Molybdenum	10	ug/L	U	20	10	OK
MW-11	Nickel	20	ug/L	U	20	20	OK
MW-11	Potassium	1	mg/L		1	0.5	OK
MW-11	Silver	10	ug/L	U	20	10	OK
MW-11	Sodium	50	mg/L		50	0.5	OK
MW-11	Thallium	0.5	ug/L	U	5	0.5	OK
MW-11	Tin	100	ug/L	U	20	100	OK
MW-11	Arsenic	5	ug/L	U	20	5	OK
MW-11	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-11	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-11	Chromium	25	ug/L	U	20	25	OK
MW-11	Cobalt	10	ug/L	U	20	10	OK
MW-11	Copper	10	ug/L	U	20	10	OK
MW-11	Uranium	0.3	ug/L		2	0.3	OK
MW-11	Vanadium	15	ug/L	U	1	15	OK
MW-11	Zinc	10	ug/L	U	20	10	OK
MW-11	Calcium	5	mg/L		5	0.5	OK
MW-11	Methylene chloride	1	ug/L	U	1	1	OK
MW-11	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-11	Selenium	5	ug/L	U	20	5	OK
MW-11	2-Butanone	20	ug/L	U	1	20	OK
MW-11	Naphthalene	1	ug/L	U	1	1	OK
MW-11	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-11	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-11	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-11	Total Dissolved Solids	20	MG/L		2	10	OK
MW-11	Gross Radium Alpha	0.64	pCi/L	U	1	1	OK
MW-12	Gross Radium Alpha	0.733	pCi/L	U	1	1	OK
MW-12	Toluene	1	ug/L	U	1	1	OK
MW-12	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-12	Xylenes, Total	1	ug/L	U	1	1	OK
MW-12	Sulfate	1000	mg/L		1000	1	OK
MW-12	Chloride	10	mg/L		10	1	OK
MW-12	Fluoride	0.1	mg/L		1	0.1	OK
MW-12	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-12	Acetone	20	ug/L	U	1	20	OK
MW-12	Chloroform	1	ug/L	U	1	1	OK
MW-12	Benzene	1	ug/L	U	1	1	OK
MW-12	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-12	Iron	30	ug/L	U	5	30	OK
MW-12	Lead	1	ug/L	U	5	1	OK
MW-12	Magnesium	20	mg/L		20	0.5	OK
MW-12	Manganese	10	ug/L		20	10	OK
MW-12	Mercury	0.5	ug/L	U	1	0.5	OK
MW-12	Molybdenum	10	ug/L	U	20	10	OK
MW-12	Nickel	20	ug/L	U	20	20	OK
MW-12	Potassium	1	mg/L		1	0.5	OK
MW-12	Silver	10	ug/L	U	20	10	OK
MW-12	Sodium	20	mg/L		20	0.5	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	Arsenic	5	ug/L	U	20	5	OK
MW-12	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-12	Cadmium	0.5	ug/L	U	20	0.5	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	Uranium	0.3	ug/L		2	0.3	OK
MW-12	Vanadium	15	ug/L	U	1	15	OK
MW-12	Zinc	10	ug/L	U	20	10	OK
MW-12	Calcium	20	mg/L		20	0.5	OK
MW-12	Methylene chloride	1	ug/L	U	1	1	OK
MW-12	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-12	Selenium	5	ug/L		20	5	OK
MW-12	2-Butanone	20	ug/L	U	1	20	OK
MW-12	Naphthalene	1	ug/L	U	1	1	OK
MW-12	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-12	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-12	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-12	Total Dissolved Solids	20	MG/L		2	10	OK
MW-14	Gross Radium Alpha	0.592	pCi/L	U	1	1	OK
MW-14	Toluene	1	ug/L	U	1	1	OK
MW-14	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-14	Xylenes, Total	1	ug/L	U	1	1	OK
MW-14	Sulfate	1000	mg/L		1000	1	OK
MW-14	Chloride	10	mg/L		10	1	OK
MW-14	Fluoride	0.1	mg/L		1	0.1	OK
MW-14	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-14	Acetone	20	ug/L	U	1	20	OK
MW-14	Chloroform	1	ug/L	U	1	1	OK
MW-14	Benzene	1	ug/L	U	1	1	OK
MW-14	Chloromethane	1	ug/L	U	1	1	OK
MW-14	Iron	30	ug/L	U	5	30	OK
MW-14	Lead	1	ug/L	U	5	1	OK
MW-14	Magnesium	50	mg/L		50	0.5	OK
MW-14	Manganese	10	ug/L		20	10	OK
MW-14	Mercury	0.5	ug/L	U	1	0.5	OK
MW-14	Molybdenum	10	ug/L	U	20	10	OK
MW-14	Nickel	20	ug/L	U	20	20	OK
MW-14	Potassium	2	mg/L		2	0.5	OK
MW-14	Silver	10	ug/L	U	20	10	OK
MW-14	Sodium	50	mg/L		50	0.5	OK
MW-14	Thallium	0.5	ug/L	U	5	0.5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-14	Tin	100	ug/L	U	20	100	OK
MW-14	Arsenic	5	ug/L	U	20	5	OK
MW-14	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-14	Cadmium	0.5	ug/L		20	0.5	OK
MW-14	Chromium	25	ug/L	U	20	25	OK
MW-14	Cobalt	10	ug/L	U	20	10	OK
MW-14	Copper	10	ug/L	U	20	10	OK
MW-14	Uranium	0.3	ug/L		2	0.3	OK
MW-14	Vanadium	15	ug/L	U	1	15	OK
MW-14	Zinc	10	ug/L		20	10	OK
MW-14	Calcium	50	mg/L		50	0.5	OK
MW-14	Methylene chloride	1	ug/L	U	1	1	OK
MW-14	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-14	Selenium	5	ug/L	U	20	5	OK
MW-14	2-Butanone	20	ug/L	U	1	20	OK
MW-14	Naphthalene	1	ug/L	U	1	1	OK
MW-14	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-14	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-14	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-14	Total Dissolved Solids	20	MG/L		2	10	OK
MW-15	Toluene	1	ug/L	U	1	1	OK
MW-15	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-15	Xylenes, Total	1	ug/L	U	1	1	OK
MW-15	Sulfate	1000	mg/L		1000	1	OK
MW-15	Chloride	10	mg/L		10	1	OK
MW-15	Fluoride	0.1	mg/L		1	0.1	OK
MW-15	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-15	Acetone	20	ug/L	U	1	20	OK
MW-15	Chloroform	1	ug/L	U	1	1	OK
MW-15	Benzene	1	ug/L	U	1	1	OK
MW-15	Chloromethane	1	ug/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	10	mg/L		10	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	Molybdenum	10	ug/L	U	20	10	OK
MW-15	Nickel	20	ug/L	U	20	20	OK
MW-15	Potassium	1	mg/L		1	0.5	OK
MW-15	Silver	10	ug/L	U	20	10	OK
MW-15	Sodium	50	mg/L		50	0.5	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	Arsenic	5	ug/L	U	20	5	OK
MW-15	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-15	Cadmium	0.5	ug/L	U	20	0.5	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	Uranium	0.3	ug/L		2	0.3	OK
MW-15	Vanadium	15	ug/L	U	1	15	OK
MW-15	Zinc	10	ug/L	U	20	10	OK
MW-15	Calcium	50	mg/L		50	0.5	OK
MW-15	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-15	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-15	Selenium	5	ug/L		20	5	OK
MW-15	2-Butanone	20	ug/L	U	1	20	OK
MW-15	Naphthalene	1	ug/L	U	1	1	OK
MW-15	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-15	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-15	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-15	Total Dissolved Solids	20	MG/L		2	10	OK
MW-15	Gross Radium Alpha	0.591	pCi/L	U	1	1	OK
MW-17	Gross Radium Alpha	0.622	pCi/L	U	1	1	OK
MW-17	Toluene	1	ug/L	U	1	1	OK
MW-17	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-17	Xylenes, Total	1	ug/L	U	1	1	OK
MW-17	Sulfate	1000	mg/L		1000	1	OK
MW-17	Chloride	10	mg/L		10	1	OK
MW-17	Fluoride	0.1	mg/L		1	0.1	OK
MW-17	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-17	Acetone	20	ug/L	U	1	20	OK
MW-17	Chloroform	1	ug/L	U	1	1	OK
MW-17	Benzene	1	ug/L	U	1	1	OK
MW-17	Chloromethane	1	ug/L	U	1	1	OK
MW-17	Methylene chloride	1	ug/L	U	1	1	OK
MW-17	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-17	2-Butanone	20	ug/L	U	1	20	OK
MW-17	Naphthalene	1	ug/L	U	1	1	OK
MW-17	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-17	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-17	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-17	Total Dissolved Solids	20	MG/L		2	10	OK
MW-17	Iron	30	ug/L	U	5	30	OK
MW-17	Lead	1	ug/L	U	5	1	OK
MW-17	Magnesium	20	mg/L		20	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	Molybdenum	10	ug/L	U	20	10	OK
MW-17	Nickel	20	ug/L	U	20	20	OK
MW-17	Potassium	1	mg/L		1	0.5	OK
MW-17	Silver	10	ug/L	U	20	10	OK
MW-17	Sodium	20	mg/L		20	0.5	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	Arsenic	5	ug/L	U	20	5	OK
MW-17	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-17	Cadmium	0.5	ug/L	U	20	0.5	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	Uranium	0.3	ug/L		2	0.3	OK
MW-17	Vanadium	15	ug/L	U	1	15	OK
MW-17	Zinc	10	ug/L	U	20	10	OK
MW-17	Calcium	20	mg/L		20	0.5	OK
MW-17	Selenium	5	ug/L		20	5	OK
MW-18	Gross Radium Alpha	0.482	pCi/L	U	1	1	OK
MW-18	Toluene	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-18	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-18	Xylenes, Total	1	ug/L	U	1	1	OK
MW-18	Sulfate	1000	mg/L		1000	1	OK
MW-18	Chloride	10	mg/L		10	1	OK
MW-18	Fluoride	0.1	mg/L		1	0.1	OK
MW-18	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-18	Acetone	20	ug/L	U	1	20	OK
MW-18	Chloroform	1	ug/L	U	1	1	OK
MW-18	Benzene	1	ug/L	U	1	1	OK
MW-18	Chloromethane	1	ug/L	U	1	1	OK
MW-18	Iron	30	ug/L	U	5	30	OK
MW-18	Lead	1	ug/L	U	5	1	OK
MW-18	Magnesium	10	mg/L		10	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	Molybdenum	10	ug/L	U	20	10	OK
MW-18	Nickel	20	ug/L	U	20	20	OK
MW-18	Potassium	1	mg/L		1	0.5	OK
MW-18	Silver	10	ug/L	U	20	10	OK
MW-18	Sodium	10	mg/L		10	0.5	OK
MW-18	Thallium	0.5	ug/L		5	0.5	OK
MW-18	Tin	100	ug/L	U	20	100	OK
MW-18	Arsenic	5	ug/L	U	20	5	OK
MW-18	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-18	Cadmium	0.5	ug/L	U	20	0.5	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	Uranium	0.3	ug/L		2	0.3	OK
MW-18	Vanadium	15	ug/L	U	1	15	OK
MW-18	Zinc	10	ug/L	U	20	10	OK
MW-18	Calcium	50	mg/L		50	0.5	OK
MW-18	Methylene chloride	1	ug/L	U	1	1	OK
MW-18	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-18	Selenium	5	ug/L	U	20	5	OK
MW-18	2-Butanone	20	ug/L	U	1	20	OK
MW-18	Naphthalene	1	ug/L	U	1	1	OK
MW-18	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-18	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-18	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-18	Total Dissolved Solids	20	MG/L		2	10	OK
MW-19	Gross Radium Alpha	0.81	pCi/L	U	1	1	OK
MW-19	Toluene	1	ug/L	U	1	1	OK
MW-19	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-19	Xylenes, Total	1	ug/L	U	1	1	OK
MW-19	Sulfate	100	mg/L		100	1	OK
MW-19	Chloride	10	mg/L		10	1	OK
MW-19	Fluoride	0.1	mg/L		1	0.1	OK
MW-19	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-19	Acetone	20	ug/L	U	1	20	OK
MW-19	Chloroform	1	ug/L	U	1	1	OK
MW-19	Benzene	1	ug/L	U	1	1	OK
MW-19	Chloromethane	1	ug/L	U	1	1	OK
MW-19	Iron	30	ug/L	U	5	30	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
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	U	20	10	OK
MW-19	Mercury	0.5	ug/L	U	1	0.5	OK
MW-19	Molybdenum	10	ug/L	U	20	10	OK
MW-19	Nickel	20	ug/L	U	20	20	OK
MW-19	Potassium	1	mg/L		1	0.5	OK
MW-19	Silver	10	ug/L	U	20	10	OK
MW-19	Sodium	10	mg/L		10	0.5	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	Arsenic	5	ug/L	U	20	5	OK
MW-19	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-19	Cadmium	0.5	ug/L	U	20	0.5	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	Uranium	0.3	ug/L		2	0.3	OK
MW-19	Vanadium	15	ug/L	U	1	15	OK
MW-19	Zinc	10	ug/L	U	20	10	OK
MW-19	Calcium	10	mg/L		10	0.5	OK
MW-19	Methylene chloride	1	ug/L	U	1	1	OK
MW-19	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-19	Selenium	5	ug/L		20	5	OK
MW-19	2-Butanone	20	ug/L	U	1	20	OK
MW-19	Naphthalene	1	ug/L	U	1	1	OK
MW-19	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-19	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-19	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-19	Total Dissolved Solids	20	MG/L		2	10	OK
MW-20	Gross Radium Alpha	0.555	pCi/L	U	1	1	OK
MW-20	Toluene	1	ug/L	U	1	1	OK
MW-20	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-20	Xylenes, Total	1	ug/L	U	1	1	OK
MW-20	Sulfate	1000	mg/L		1000	1	OK
MW-20	Chloride	10	mg/L		10	1	OK
MW-20	Fluoride	0.1	mg/L		1	0.1	OK
MW-20	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-20	Acetone	20	ug/L	U	1	20	OK
MW-20	Chloroform	1	ug/L	U	1	1	OK
MW-20	Benzene	1	ug/L	U	1	1	OK
MW-20	Chloromethane	1	ug/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	1	mg/L		1	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	Molybdenum	10	ug/L		20	10	OK
MW-20	Nickel	20	ug/L	U	20	20	OK
MW-20	Potassium	2	mg/L		2	0.5	OK
MW-20	Silver	10	ug/L	U	20	10	OK
MW-20	Sodium	200	mg/L		200	0.5	OK
MW-20	Thallium	0.5	ug/L	U	5	0.5	OK
MW-20	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-20	Arsenic	5	ug/L	U	20	5	OK
MW-20	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-20	Cadmium	0.5	ug/L	U	20	0.5	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	Uranium	0.3	ug/L		2	0.3	OK
MW-20	Vanadium	15	ug/L	U	1	15	OK
MW-20	Zinc	10	ug/L	U	20	10	OK
MW-20	Calcium	50	mg/L		50	0.5	OK
MW-20	Methylene chloride	1	ug/L	U	1	1	OK
MW-20	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-20	Selenium	5	ug/L	U	20	5	OK
MW-20	2-Butanone	20	ug/L	U	1	20	OK
MW-20	Naphthalene	1	ug/L	U	1	1	OK
MW-20	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-20	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-20	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-20	Total Dissolved Solids	20	MG/L		2	10	OK
MW-22	Toluene	1	ug/L	U	1	1	OK
MW-22	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-22	Xylenes, Total	1	ug/L	U	1	1	OK
MW-22	Sulfate	1000	mg/L		1000	1	OK
MW-22	Chloride	10	mg/L		10	1	OK
MW-22	Fluoride	0.1	mg/L		1	0.1	OK
MW-22	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-22	Acetone	20	ug/L	U	1	20	OK
MW-22	Chloroform	1	ug/L	U	1	1	OK
MW-22	Benzene	1	ug/L	U	1	1	OK
MW-22	Chloromethane	1	ug/L	U	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	Molybdenum	10	ug/L		20	10	OK
MW-22	Nickel	20	ug/L		20	20	OK
MW-22	Potassium	2	mg/L		2	0.5	OK
MW-22	Silver	10	ug/L	U	20	10	OK
MW-22	Sodium	100	mg/L		100	0.5	OK
MW-22	Thallium	0.5	ug/L		5	0.5	OK
MW-22	Tin	100	ug/L	U	20	100	OK
MW-22	Arsenic	5	ug/L	U	20	5	OK
MW-22	Beryllium	0.5	ug/L		5	0.5	OK
MW-22	Cadmium	0.5	ug/L		20	0.5	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	Uranium	0.3	ug/L		2	0.3	OK
MW-22	Vanadium	15	ug/L	U	1	15	OK
MW-22	Zinc	10	ug/L		20	10	OK
MW-22	Calcium	100	mg/L		100	0.5	OK
MW-22	Methylene chloride	1	ug/L	U	1	1	OK
MW-22	Ammonia (as N)	0.05	mg/L		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-22	Selenium	5	ug/L		20	5	OK
MW-22	2-Butanone	20	ug/L	U	1	20	OK
MW-22	Naphthalene	1	ug/L	U	1	1	OK
MW-22	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-22	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-22	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-22	Total Dissolved Solids	100	MG/L		10	10	OK
MW-22	Gross Radium Alpha	0.53	pCi/L		1	1	OK
MW-23	Gross Radium Alpha	0.517	pCi/L	U	1	1	OK
MW-23	Toluene	1	ug/L	U	1	1	OK
MW-23	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-23	Xylenes, Total	1	ug/L	U	1	1	OK
MW-23	Sulfate	1000	mg/L		1000	1	OK
MW-23	Chloride	1	mg/L		1	1	OK
MW-23	Fluoride	0.1	mg/L		1	0.1	OK
MW-23	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-23	Acetone	20	ug/L	U	1	20	OK
MW-23	Chloroform	1	ug/L	U	1	1	OK
MW-23	Benzene	1	ug/L	U	1	1	OK
MW-23	Chloromethane	1	ug/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	10	mg/L		10	0.5	OK
MW-23	Manganese	10	ug/L		20	10	OK
MW-23	Mercury	0.5	ug/L	U	1	0.5	OK
MW-23	Molybdenum	10	ug/L	U	20	10	OK
MW-23	Nickel	20	ug/L	U	20	20	OK
MW-23	Potassium	1	mg/L		1	0.5	OK
MW-23	Silver	10	ug/L	U	20	10	OK
MW-23	Sodium	50	mg/L		50	0.5	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	Arsenic	5	ug/L	U	20	5	OK
MW-23	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-23	Cadmium	0.5	ug/L	U	20	0.5	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	Uranium	0.3	ug/L		2	0.3	OK
MW-23	Vanadium	15	ug/L	U	1	15	OK
MW-23	Zinc	10	ug/L	U	20	10	OK
MW-23	Calcium	50	mg/L		50	0.5	OK
MW-23	Methylene chloride	1	ug/L	U	1	1	OK
MW-23	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-23	Selenium	5	ug/L	U	20	5	OK
MW-23	2-Butanone	20	ug/L	U	1	20	OK
MW-23	Naphthalene	1	ug/L	U	1	1	OK
MW-23	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-23	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-23	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-23	Total Dissolved Solids	20	MG/L		2	10	OK
MW-24	Gross Radium Alpha	0.771	pCi/L	U	1	1	OK
MW-24	Toluene	1	ug/L	U	1	1	OK
MW-24	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-24	Xylenes, Total	1	ug/L	U	1	1	OK
MW-24	Sulfate	1000	mg/L		1000	1	OK
MW-24	Chloride	10	mg/L		10	1	OK
MW-24	Fluoride	0.1	mg/L		1	0.1	OK
MW-24	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-24	Acetone	20	ug/L	U	1	20	OK
MW-24	Chloroform	1	ug/L	U	1	1	OK
MW-24	Benzene	1	ug/L	U	1	1	OK
MW-24	Chloromethane	1	ug/L	U	1	1	OK
MW-24	Iron	30	ug/L		5	30	OK
MW-24	Lead	1	ug/L	U	5	1	OK
MW-24	Magnesium	20	mg/L		20	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	Molybdenum	10	ug/L	U	20	10	OK
MW-24	Nickel	20	ug/L		20	20	OK
MW-24	Potassium	1	mg/L		1	0.5	OK
MW-24	Silver	10	ug/L	U	20	10	OK
MW-24	Sodium	20	mg/L		20	0.5	OK
MW-24	Thallium	0.5	ug/L		5	0.5	OK
MW-24	Tin	100	ug/L	U	20	100	OK
MW-24	Arsenic	5	ug/L	U	20	5	OK
MW-24	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-24	Cadmium	0.5	ug/L		20	0.5	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	Uranium	0.3	ug/L		2	0.3	OK
MW-24	Vanadium	15	ug/L	U	1	15	OK
MW-24	Zinc	10	ug/L		20	10	OK
MW-24	Calcium	20	mg/L		20	0.5	OK
MW-24	Methylene chloride	1	ug/L	U	1	1	OK
MW-24	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-24	Selenium	5	ug/L	U	20	5	OK
MW-24	2-Butanone	20	ug/L	U	1	20	OK
MW-24	Naphthalene	1	ug/L	U	1	1	OK
MW-24	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-24	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-24	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-24	Total Dissolved Solids	20	MG/L		2	10	OK
MW-25	Gross Radium Alpha	0.425	pCi/L	U	1	1	OK
MW-25	Toluene	1	ug/L	U	1	1	OK
MW-25	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-25	Xylenes, Total	1	ug/L	U	1	1	OK
MW-25	Sulfate	1000	mg/L		1000	1	OK
MW-25	Chloride	10	mg/L		10	1	OK
MW-25	Fluoride	0.1	mg/L		1	0.1	OK
MW-25	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-25	Acetone	20	ug/L	U	1	20	OK
MW-25	Chloroform	1	ug/L	U	1	1	OK
MW-25	Benzene	1	ug/L	U	1	1	OK
MW-25	Chloromethane	1	ug/L	U	1	1	OK
MW-25	Iron	30	ug/L	U	5	30	OK
MW-25	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-25	Magnesium	20	mg/L		20	0.5	OK
MW-25	Manganese	10	ug/L		20	10	OK
MW-25	Mercury	0.5	ug/L	U	1	0.5	OK
MW-25	Molybdenum	10	ug/L		20	10	OK
MW-25	Nickel	20	ug/L	U	20	20	OK
MW-25	Potassium	1	mg/L		1	0.5	OK
MW-25	Silver	10	ug/L	U	20	10	OK
MW-25	Sodium	20	mg/L		20	0.5	OK
MW-25	Thallium	0.5	ug/L		5	0.5	OK
MW-25	Tin	100	ug/L	U	20	100	OK
MW-25	Arsenic	5	ug/L	U	20	5	OK
MW-25	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-25	Cadmium	0.5	ug/L		20	0.5	OK
MW-25	Chromium	25	ug/L	U	20	25	OK
MW-25	Cobalt	10	ug/L	U	20	10	OK
MW-25	Copper	10	ug/L	U	20	10	OK
MW-25	Uranium	0.3	ug/L		2	0.3	OK
MW-25	Vanadium	15	ug/L	U	1	15	OK
MW-25	Zinc	10	ug/L	U	20	10	OK
MW-25	Calcium	20	mg/L		20	0.5	OK
MW-25	Methylene chloride	1	ug/L	U	1	1	OK
MW-25	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-25	Selenium	5	ug/L	U	20	5	OK
MW-25	2-Butanone	20	ug/L	U	1	20	OK
MW-25	Naphthalene	1	ug/L	U	1	1	OK
MW-25	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-25	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-25	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-25	Total Dissolved Solids	20	MG/L		2	10	OK
MW-26	Gross Radium Alpha	0.888	pCi/L	U	1	1	OK
MW-26	Toluene	1	ug/L	U	1	1	OK
MW-26	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-26	Xylenes, Total	1	ug/L	U	1	1	OK
MW-26	Sulfate	1000	mg/L		1000	1	OK
MW-26	Chloride	10	mg/L		10	1	OK
MW-26	Fluoride	0.1	mg/L		1	0.1	OK
MW-26	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-26	Acetone	20	ug/L	U	1	20	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		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	20	mg/L		20	0.5	OK
MW-26	Manganese	10	ug/L		20	10	OK
MW-26	Mercury	0.5	ug/L	U	1	0.5	OK
MW-26	Molybdenum	10	ug/L	U	20	10	OK
MW-26	Nickel	20	ug/L	U	20	20	OK
MW-26	Potassium	1	mg/L		1	0.5	OK
MW-26	Silver	10	ug/L	U	20	10	OK
MW-26	Sodium	20	mg/L		20	0.5	OK
MW-26	Thallium	0.5	ug/L	U	5	0.5	OK
MW-26	Tin	100	ug/L	U	20	100	OK
MW-26	Arsenic	5	ug/L	U	20	5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-26	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-26	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-26	Chromium	25	ug/L	U	20	25	OK
MW-26	Cobalt	10	ug/L	U	20	10	OK
MW-26	Copper	10	ug/L	U	20	10	OK
MW-26	Uranium	0.3	ug/L		2	0.3	OK
MW-26	Vanadium	15	ug/L	U	1	15	OK
MW-26	Zinc	10	ug/L	U	20	10	OK
MW-26	Calcium	20	mg/L		20	0.5	OK
MW-26	Methylene chloride	1	ug/L		1	1	OK
MW-26	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-26	Selenium	5	ug/L	U	20	5	OK
MW-26	2-Butanone	20	ug/L	U	1	20	OK
MW-26	Naphthalene	1	ug/L	U	1	1	OK
MW-26	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-26	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-26	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-26	Total Dissolved Solids	20	MG/L		2	10	OK
MW-27	Gross Radium Alpha	0.656	pCi/L	U	1	1	OK
MW-27	Toluene	1	ug/L	U	1	1	OK
MW-27	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-27	Xylenes, Total	1	ug/L	U	1	1	OK
MW-27	Sulfate	100	mg/L		100	1	OK
MW-27	Chloride	10	mg/L		10	1	OK
MW-27	Fluoride	0.1	mg/L		1	0.1	OK
MW-27	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-27	Acetone	20	ug/L	U	1	20	OK
MW-27	Chloroform	1	ug/L	U	1	1	OK
MW-27	Benzene	1	ug/L	U	1	1	OK
MW-27	Chloromethane	1	ug/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	Molybdenum	10	ug/L	U	20	10	OK
MW-27	Nickel	20	ug/L	U	20	20	OK
MW-27	Potassium	1	mg/L		1	0.5	OK
MW-27	Silver	10	ug/L	U	20	10	OK
MW-27	Sodium	10	mg/L		10	0.5	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	Arsenic	5	ug/L	U	20	5	OK
MW-27	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-27	Cadmium	0.5	ug/L	U	20	0.5	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	Uranium	0.3	ug/L		2	0.3	OK
MW-27	Vanadium	15	ug/L	U	1	15	OK
MW-27	Zinc	10	ug/L	U	20	10	OK
MW-27	Calcium	10	mg/L		10	0.5	OK
MW-27	Methylene chloride	1	ug/L	U	1	1	OK
MW-27	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-27	Selenium	5	ug/L		20	5	OK
MW-27	2-Butanone	20	ug/L	U	1	20	OK
MW-27	Naphthalene	1	ug/L	U	1	1	OK
MW-27	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-27	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-27	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-27	Total Dissolved Solids	20	MG/L		2	10	OK
MW-28	Toluene	1	ug/L	U	1	1	OK
MW-28	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-28	Xylenes, Total	1	ug/L	U	1	1	OK
MW-28	Sulfate	1000	mg/L		1000	1	OK
MW-28	Chloride	100	mg/L		100	1	OK
MW-28	Fluoride	0.1	mg/L		1	0.1	OK
MW-28	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-28	Acetone	20	ug/L	U	1	20	OK
MW-28	Chloroform	1	ug/L	U	1	1	OK
MW-28	Benzene	1	ug/L	U	1	1	OK
MW-28	Chloromethane	1	ug/L	U	1	1	OK
MW-28	Iron	30	ug/L	U	5	30	OK
MW-28	Lead	1	ug/L	U	5	1	OK
MW-28	Magnesium	10	mg/L		10	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	Molybdenum	10	ug/L	U	20	10	OK
MW-28	Nickel	20	ug/L		20	20	OK
MW-28	Potassium	1	mg/L		1	0.5	OK
MW-28	Silver	10	ug/L	U	20	10	OK
MW-28	Sodium	50	mg/L		50	0.5	OK
MW-28	Thallium	0.5	ug/L		5	0.5	OK
MW-28	Tin	100	ug/L	U	20	100	OK
MW-28	Arsenic	5	ug/L		20	5	OK
MW-28	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-28	Cadmium	0.5	ug/L		20	0.5	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	Uranium	0.3	ug/L		2	0.3	OK
MW-28	Vanadium	15	ug/L	U	1	15	OK
MW-28	Zinc	10	ug/L		20	10	OK
MW-28	Calcium	50	mg/L		50	0.5	OK
MW-28	Methylene chloride	1	ug/L	U	1	1	OK
MW-28	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-28	Selenium	5	ug/L	U	20	5	OK
MW-28	2-Butanone	20	ug/L	U	1	20	OK
MW-28	Naphthalene	1	ug/L	U	1	1	OK
MW-28	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-28	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-28	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-28	Total Dissolved Solids	20	MG/L		2	10	OK
MW-28	Gross Radium Alpha	0.558	pCi/L	U	1	1	OK
MW-29	Gross Radium Alpha	0.794	pCi/L	U	1	1	OK
MW-29	Toluene	1	ug/L	U	1	1	OK
MW-29	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-29	Xylenes, Total	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	Sulfate	1000	mg/L		1000	1	OK
MW-29	Chloride	10	mg/L		10	1	OK
MW-29	Fluoride	0.1	mg/L		1	0.1	OK
MW-29	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-29	Acetone	20	ug/L	U	1	20	OK
MW-29	Chloroform	1	ug/L	U	1	1	OK
MW-29	Benzene	1	ug/L	U	1	1	OK
MW-29	Chloromethane	1	ug/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	20	mg/L		20	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	Molybdenum	10	ug/L	U	20	10	OK
MW-29	Nickel	20	ug/L	U	20	20	OK
MW-29	Potassium	1	mg/L		1	0.5	OK
MW-29	Silver	10	ug/L	U	20	10	OK
MW-29	Sodium	20	mg/L		20	0.5	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	Arsenic	5	ug/L	U	20	5	OK
MW-29	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-29	Cadmium	0.5	ug/L	U	20	0.5	OK
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	Uranium	0.3	ug/L		2	0.3	OK
MW-29	Vanadium	15	ug/L	U	1	15	OK
MW-29	Zinc	10	ug/L	U	20	10	OK
MW-29	Calcium	20	mg/L		20	0.5	OK
MW-29	Methylene chloride	1	ug/L	U	1	1	OK
MW-29	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-29	Selenium	5	ug/L	U	20	5	OK
MW-29	2-Butanone	20	ug/L	U	1	20	OK
MW-29	Naphthalene	1	ug/L	U	1	1	OK
MW-29	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-29	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-29	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-29	Total Dissolved Solids	20	MG/L		2	10	OK
MW-30	Gross Radium Alpha	0.613	pCi/L	U	1	1	OK
MW-30	Toluene	1	ug/L	U	1	1	OK
MW-30	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-30	Xylenes, Total	1	ug/L	U	1	1	OK
MW-30	Sulfate	100	mg/L		100	1	OK
MW-30	Chloride	100	mg/L		100	1	OK
MW-30	Fluoride	0.1	mg/L		1	0.1	OK
MW-30	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-30	Acetone	20	ug/L	U	1	20	OK
MW-30	Chloroform	1	ug/L	U	1	1	OK
MW-30	Benzene	1	ug/L	U	1	1	OK
MW-30	Chloromethane	1	ug/L	U	1	1	OK
MW-30	Iron	30	ug/L	U	5	30	OK
MW-30	Lead	1	ug/L	U	5	1	OK
MW-30	Magnesium	5	mg/L		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-30	Manganese	10	ug/L		20	10	OK
MW-30	Mercury	0.5	ug/L	U	1	0.5	OK
MW-30	Molybdenum	10	ug/L	U	20	10	OK
MW-30	Nickel	20	ug/L	U	20	20	OK
MW-30	Potassium	1	mg/L		1	0.5	OK
MW-30	Silver	10	ug/L	U	20	10	OK
MW-30	Sodium	5	mg/L		5	0.5	OK
MW-30	Thallium	0.5	ug/L	U	5	0.5	OK
MW-30	Tin	100	ug/L	U	20	100	OK
MW-30	Arsenic	5	ug/L	U	20	5	OK
MW-30	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-30	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-30	Chromium	25	ug/L	U	20	25	OK
MW-30	Cobalt	10	ug/L	U	20	10	OK
MW-30	Copper	10	ug/L	U	20	10	OK
MW-30	Uranium	0.3	ug/L		2	0.3	OK
MW-30	Vanadium	15	ug/L	U	1	15	OK
MW-30	Zinc	10	ug/L	U	20	10	OK
MW-30	Calcium	20	mg/L		20	0.5	OK
MW-30	Methylene chloride	1	ug/L	U	1	1	OK
MW-30	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-30	Selenium	5	ug/L		20	5	OK
MW-30	2-Butanone	20	ug/L	U	1	20	OK
MW-30	Naphthalene	1	ug/L	U	1	1	OK
MW-30	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-30	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-30	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-30	Total Dissolved Solids	20	MG/L		2	10	OK
MW-31	Toluene	1	ug/L	U	1	1	OK
MW-31	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-31	Xylenes, Total	1	ug/L	U	1	1	OK
MW-31	Sulfate	100	mg/L		100	1	OK
MW-31	Chloride	100	mg/L		100	1	OK
MW-31	Fluoride	0.1	mg/L		1	0.1	OK
MW-31	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-31	Acetone	20	ug/L	U	1	20	OK
MW-31	Chloroform	1	ug/L	U	1	1	OK
MW-31	Benzene	1	ug/L	U	1	1	OK
MW-31	Chloromethane	1	ug/L	U	1	1	OK
MW-31	Iron	30	ug/L	U	5	30	OK
MW-31	Lead	1	ug/L	U	5	1	OK
MW-31	Magnesium	20	mg/L		20	0.5	OK
MW-31	Manganese	10	ug/L	U	20	10	OK
MW-31	Mercury	0.5	ug/L	U	1	0.5	OK
MW-31	Molybdenum	10	ug/L	U	20	10	OK
MW-31	Nickel	20	ug/L	U	20	20	OK
MW-31	Potassium	1	mg/L		1	0.5	OK
MW-31	Silver	10	ug/L	U	20	10	OK
MW-31	Sodium	20	mg/L		20	0.5	OK
MW-31	Thallium	0.5	ug/L	U	5	0.5	OK
MW-31	Tin	100	ug/L	U	20	100	OK
MW-31	Arsenic	5	ug/L	U	20	5	OK
MW-31	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-31	Cadmium	0.5	ug/L	U	20	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	Chromium	25	ug/L	U	20	25	OK
MW-31	Cobalt	10	ug/L	U	20	10	OK
MW-31	Copper	10	ug/L	U	20	10	OK
MW-31	Uranium	0.3	ug/L		2	0.3	OK
MW-31	Vanadium	15	ug/L	U	1	15	OK
MW-31	Zinc	10	ug/L	U	20	10	OK
MW-31	Calcium	20	mg/L		20	0.5	OK
MW-31	Methylene chloride	1	ug/L	U	1	1	OK
MW-31	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-31	Selenium	5	ug/L		20	5	OK
MW-31	2-Butanone	20	ug/L	U	1	20	OK
MW-31	Naphthalene	1	ug/L	U	1	1	OK
MW-31	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-31	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-31	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-31	Total Dissolved Solids	20	MG/L		2	10	OK
MW-31	Gross Radium Alpha	0.55	pCi/L	U	1	1	OK
MW-32	Gross Radium Alpha	0.584	pCi/L		1	1	OK
MW-32	Toluene	1	ug/L	U	1	1	OK
MW-32	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-32	Xylenes, Total	1	ug/L	U	1	1	OK
MW-32	Sulfate	1000	mg/L		1000	1	OK
MW-32	Chloride	10	mg/L		10	1	OK
MW-32	Fluoride	0.1	mg/L		1	0.1	OK
MW-32	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-32	Acetone	20	ug/L	U	1	20	OK
MW-32	Chloroform	1	ug/L	U	1	1	OK
MW-32	Benzene	1	ug/L	U	1	1	OK
MW-32	Chloromethane	1	ug/L	U	1	1	OK
MW-32	Iron	30	ug/L		5	30	OK
MW-32	Lead	1	ug/L	U	5	1	OK
MW-32	Magnesium	50	mg/L		50	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	Molybdenum	10	ug/L	U	20	10	OK
MW-32	Nickel	20	ug/L		20	20	OK
MW-32	Potassium	1	mg/L		1	0.5	OK
MW-32	Silver	10	ug/L	U	20	10	OK
MW-32	Sodium	50	mg/L		50	0.5	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	Arsenic	5	ug/L	U	20	5	OK
MW-32	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-32	Cadmium	0.5	ug/L		20	0.5	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	Uranium	0.3	ug/L		2	0.3	OK
MW-32	Vanadium	15	ug/L	U	1	15	OK
MW-32	Zinc	10	ug/L		20	10	OK
MW-32	Calcium	50	mg/L		50	0.5	OK
MW-32	Methylene chloride	1	ug/L	U	1	1	OK
MW-32	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-32	Selenium	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-32	2-Butanone	20	ug/L	U	1	20	OK
MW-32	Naphthalene	1	ug/L	U	1	1	OK
MW-32	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-32	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-32	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-32	Total Dissolved Solids	20	MG/L		2	10	OK
MW-35	Gross Radium Alpha	0.784	pCi/L		1	1	OK
MW-35	Toluene	1	ug/L	U	1	1	OK
MW-35	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-35	Xylenes, Total	1	ug/L	U	1	1	OK
MW-35	Sulfate	1000	mg/L		1000	1	OK
MW-35	Chloride	10	mg/L		10	1	OK
MW-35	Fluoride	0.1	mg/L		1	0.1	OK
MW-35	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-35	Acetone	20	ug/L	U	1	20	OK
MW-35	Chloroform	1	ug/L	U	1	1	OK
MW-35	Benzene	1	ug/L	U	1	1	OK
MW-35	Chloromethane	1	ug/L	U	1	1	OK
MW-35	Iron	30	ug/L		5	30	OK
MW-35	Lead	1	ug/L	U	5	1	OK
MW-35	Magnesium	50	mg/L		50	0.5	OK
MW-35	Manganese	10	ug/L		20	10	OK
MW-35	Mercury	0.5	ug/L	U	1	0.5	OK
MW-35	Molybdenum	10	ug/L	U	20	10	OK
MW-35	Nickel	20	ug/L	U	20	20	OK
MW-35	Potassium	1	mg/L		1	0.5	OK
MW-35	Silver	10	ug/L	U	20	10	OK
MW-35	Sodium	50	mg/L		50	0.5	OK
MW-35	Thallium	0.5	ug/L	U	5	0.5	OK
MW-35	Tin	100	ug/L	U	20	100	OK
MW-35	Arsenic	5	ug/L	U	20	5	OK
MW-35	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-35	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-35	Chromium	25	ug/L	U	20	25	OK
MW-35	Cobalt	10	ug/L	U	20	10	OK
MW-35	Copper	10	ug/L	U	20	10	OK
MW-35	Uranium	0.3	ug/L		2	0.3	OK
MW-35	Vanadium	15	ug/L	U	1	15	OK
MW-35	Zinc	10	ug/L	U	20	10	OK
MW-35	Calcium	50	mg/L		50	0.5	OK
MW-35	Methylene chloride	1	ug/L	U	1	1	OK
MW-35	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-35	Selenium	5	ug/L		20	5	OK
MW-35	2-Butanone	20	ug/L	U	1	20	OK
MW-35	Naphthalene	1	ug/L	U	1	1	OK
MW-35	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-35	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-35	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-35	Total Dissolved Solids	20	MG/L		2	10	OK
MW-36	Toluene	1	ug/L	U	1	1	OK
MW-36	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-36	Xylenes, Total	1	ug/L	U	1	1	OK
MW-36	Sulfate	1000	mg/L		1000	1	OK
MW-36	Chloride	10	mg/L		10	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-36	Fluoride	0.1	mg/L		1	0.1	OK
MW-36	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-36	Acetone	20	ug/L	U	1	20	OK
MW-36	Chloroform	1	ug/L	U	1	1	OK
MW-36	Benzene	1	ug/L	U	1	1	OK
MW-36	Chloromethane	1	ug/L	U	1	1	OK
MW-36	Iron	30	ug/L	U	5	30	OK
MW-36	Lead	1	ug/L	U	5	1	OK
MW-36	Magnesium	50	mg/L		50	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	Molybdenum	10	ug/L	U	20	10	OK
MW-36	Nickel	20	ug/L	U	20	20	OK
MW-36	Potassium	1	mg/L		1	0.5	OK
MW-36	Silver	10	ug/L	U	20	10	OK
MW-36	Sodium	50	mg/L		50	0.5	OK
MW-36	Thallium	0.5	ug/L		5	0.5	OK
MW-36	Tin	100	ug/L	U	20	100	OK
MW-36	Arsenic	5	ug/L	U	20	5	OK
MW-36	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-36	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-36	Chromium	25	ug/L	U	20	25	OK
MW-36	Cobalt	10	ug/L	U	20	10	OK
MW-36	Copper	10	ug/L	U	20	10	OK
MW-36	Uranium	0.3	ug/L		2	0.3	OK
MW-36	Vanadium	15	ug/L	U	1	15	OK
MW-36	Zinc	10	ug/L	U	20	10	OK
MW-36	Calcium	50	mg/L		50	0.5	OK
MW-36	Methylene chloride	1	ug/L	U	1	1	OK
MW-36	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-36	Selenium	5	ug/L		20	5	OK
MW-36	2-Butanone	20	ug/L	U	1	20	OK
MW-36	Naphthalene	1	ug/L	U	1	1	OK
MW-36	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-36	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-36	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-36	Total Dissolved Solids	20	MG/L		2	10	OK
MW-36	Gross Radium Alpha	0.896	pCi/L	U	1	1	OK
MW-37	Gross Radium Alpha	0.492	pCi/L		1	1	OK
MW-37	Toluene	1	ug/L	U	1	1	OK
MW-37	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-37	Xylenes, Total	1	ug/L	U	1	1	OK
MW-37	Sulfate	1000	mg/L		1000	1	OK
MW-37	Chloride	10	mg/L		10	1	OK
MW-37	Fluoride	0.1	mg/L		1	0.1	OK
MW-37	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-37	Acetone	20	ug/L	U	1	20	OK
MW-37	Chloroform	1	ug/L	U	1	1	OK
MW-37	Benzene	1	ug/L	U	1	1	OK
MW-37	Chloromethane	1	ug/L	U	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	10	mg/L		10	0.5	OK
MW-37	Manganese	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	Mercury	0.5	ug/L	U	1	0.5	OK
MW-37	Molybdenum	10	ug/L	U	20	10	OK
MW-37	Nickel	20	ug/L	U	20	20	OK
MW-37	Potassium	1	mg/L		1	0.5	OK
MW-37	Silver	10	ug/L	U	20	10	OK
MW-37	Sodium	100	mg/L		100	0.5	OK
MW-37	Thallium	0.5	ug/L		5	0.5	OK
MW-37	Tin	100	ug/L	U	20	100	OK
MW-37	Arsenic	5	ug/L	U	20	5	OK
MW-37	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-37	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-37	Chromium	25	ug/L	U	20	25	OK
MW-37	Cobalt	10	ug/L	U	20	10	OK
MW-37	Copper	10	ug/L	U	20	10	OK
MW-37	Uranium	0.3	ug/L		2	0.3	OK
MW-37	Vanadium	15	ug/L	U	1	15	OK
MW-37	Zinc	10	ug/L		20	10	OK
MW-37	Calcium	100	mg/L		100	0.5	OK
MW-37	Methylene chloride	1	ug/L	U	1	1	OK
MW-37	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-37	Selenium	5	ug/L		20	5	OK
MW-37	2-Butanone	20	ug/L	U	1	20	OK
MW-37	Naphthalene	1	ug/L	U	1	1	OK
MW-37	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-37	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-37	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-37	Total Dissolved Solids	20	MG/L		2	10	OK
MW-65	Gross Radium Alpha	0.605	pCi/L	U	1	1	OK
MW-65	Toluene	1	ug/L	U	1	1	OK
MW-65	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-65	Xylenes, Total	1	ug/L	U	1	1	OK
MW-65	Sulfate	1000	mg/L		1000	1	OK
MW-65	Chloride	10	mg/L		10	1	OK
MW-65	Fluoride	0.1	mg/L		1	0.1	OK
MW-65	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-65	Acetone	20	ug/L	U	1	20	OK
MW-65	Chloroform	1	ug/L	U	1	1	OK
MW-65	Benzene	1	ug/L	U	1	1	OK
MW-65	Chloromethane	1	ug/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	10	mg/L		10	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	Molybdenum	10	ug/L	U	20	10	OK
MW-65	Nickel	20	ug/L	U	20	20	OK
MW-65	Potassium	1	mg/L		1	0.5	OK
MW-65	Silver	10	ug/L	U	20	10	OK
MW-65	Sodium	50	mg/L		50	0.5	OK
MW-65	Thallium	0.5	ug/L		5	0.5	OK
MW-65	Tin	100	ug/L	U	20	100	OK
MW-65	Arsenic	5	ug/L	U	20	5	OK
MW-65	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-65	Cadmium	0.5	ug/L	U	20	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-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	Uranium	0.3	ug/L		2	0.3	OK
MW-65	Vanadium	15	ug/L	U	1	15	OK
MW-65	Zinc	10	ug/L	U	20	10	OK
MW-65	Calcium	50	mg/L		50	0.5	OK
MW-65	Methylene chloride	1	ug/L	U	1	1	OK
MW-65	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-65	Selenium	5	ug/L		20	5	OK
MW-65	2-Butanone	20	ug/L	U	1	20	OK
MW-65	Naphthalene	1	ug/L	U	1	1	OK
MW-65	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-65	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-65	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-65	Total Dissolved Solids	20	MG/L		2	10	OK
MW-70	Gross Radium Alpha	0.597	pCi/L	U	1	1	OK
MW-70	Toluene	1	ug/L	U	1	1	OK
MW-70	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-70	Xylenes, Total	1	ug/L	U	1	1	OK
MW-70	Sulfate	1000	mg/L		1000	1	OK
MW-70	Chloride	10	mg/L		10	1	OK
MW-70	Fluoride	0.1	mg/L		1	0.1	OK
MW-70	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-70	Acetone	20	ug/L	U	1	20	OK
MW-70	Chloroform	1	ug/L	U	1	1	OK
MW-70	Benzene	1	ug/L	U	1	1	OK
MW-70	Chloromethane	1	ug/L	U	1	1	OK
MW-70	Methylene chloride	1	ug/L	U	1	1	OK
MW-70	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-70	2-Butanone	20	ug/L	U	1	20	OK
MW-70	Naphthalene	1	ug/L	U	1	1	OK
MW-70	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-70	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-70	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-70	Total Dissolved Solids	20	MG/L		2	10	OK
MW-70	Iron	30	ug/L	U	5	30	OK
MW-70	Lead	1	ug/L	U	5	1	OK
MW-70	Magnesium	20	mg/L		20	0.5	OK
MW-70	Manganese	10	ug/L		20	10	OK
MW-70	Mercury	0.5	ug/L	U	1	0.5	OK
MW-70	Molybdenum	10	ug/L	U	20	10	OK
MW-70	Nickel	20	ug/L	U	20	20	OK
MW-70	Potassium	1	mg/L		1	0.5	OK
MW-70	Silver	10	ug/L	U	20	10	OK
MW-70	Sodium	20	mg/L		20	0.5	OK
MW-70	Thallium	0.5	ug/L	U	5	0.5	OK
MW-70	Tin	100	ug/L	U	20	100	OK
MW-70	Arsenic	5	ug/L	U	20	5	OK
MW-70	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-70	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-70	Chromium	25	ug/L	U	20	25	OK
MW-70	Cobalt	10	ug/L	U	20	10	OK
MW-70	Copper	10	ug/L	U	20	10	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-70	Uranium	0.3	ug/L		2	0.3	OK
MW-70	Vanadium	15	ug/L	U	1	15	OK
MW-70	Zinc	10	ug/L	U	20	10	OK
MW-70	Calcium	20	mg/L		20	0.5	OK
MW-70	Selenium	5	ug/L		20	5	OK
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	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	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

G-5B Accelerated Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
MW-11	Manganese	10	ug/L		20	10	OK
MW-11	Manganese	10	ug/L		20	10	OK
MW-25	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	Cadmium	0.5	ug/L		20	0.5	OK
MW-25	Uranium	0.3	ug/L		2	0.3	OK
MW-26	Chloride	10	mg/L		10	1	OK
MW-26	Chloroform	20	ug/L		20	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-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	20	mg/L		20	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)	0.1	mg/L		10	0.1	OK
MW-31	Total Dissolved Solids	20	MG/L		2	10	OK
MW-31	Sulfate	100	mg/L		100	1	OK
MW-31	Chloride	100	mg/L		100	1	OK
MW-31	Uranium	0.3	ug/L		2	0.3	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-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	Manganese	10	ug/L		20	10	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	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

G-5B Accelerated Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
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 1611263	11/7/2016	American West Analytical Laboratories
AWAL 1611110	10/31/2016	American West Analytical Laboratories
AWAL 1611393	11/16/2016	American West Analytical Laboratories

G-6B: Trip Blank Evaluation

All trip blanks for the Accelerated samples were non detect.

Blank	Sample Date	Laboratory
AWAL 1610115	10/6/2016	American West Analytical Laboratories
AWAL 1612180	12/5/2016	American West Analytical Laboratories

G-7A: QA/QC Evaluation for Routine Sample Duplicates

Constituent	MW-36 11/9/16	MW-65 11/9/16	%RPD
Bicarbonate as HCO3 (mg/L)	281	285	1.41
Calcium (mg/L)	414	413	0.24
Chloride (mg/L)	57.1	56.0	1.95
Fluoride (mg/L)	0.252	0.247	2.00
Magnesium (mg/L)	130	134	3.03
Nitrate + Nitrite (as N) (mg/L)	0.216	0.206	4.74
Potassium (mg/L)	10.1	10.0	1.10
Selenium (mg/L)	0.247	0.247	0.00
Sodium (mg/L)	628	641	2.05
Sulfate (mg/L)	2320	2260	2.62
TDS (mg/L)	4380	4270	2.54
Thallium (mg/L)	0.000683	0.000675	1.18
Uranium (mg/L)	0.0234	0.0233	0.43

* Duplicate checks reported for gross alpha minus RN and U are not %RPD. Calculated values are based on the formula in the approved QAP.

Constituent	MW-17 11/16/16, 12/13/16	MW-70 11/16/16, 12/13/16	%RPD
Bicarbonate as CaCO3	338	340	0.59
Calcium (mg/L)	302	299	1.00
Chloride (mg/L)	36.5	35.1	3.91
Fluoride (mg/L)	0.220	0.2	12.05
Magnesium (mg/L)	146	147	0.68
Manganese (mg/L)	0.0477	0.0497	4.11
Nitrate + Nitrite (as N) (mg/L)	1.30	1.25	3.92
Potassium (mg/L)	11.0	11.0	0.00
Selenium (mg/L)	0.0101	0.0104	2.93
Sodium (mg/L)	512	519	1.36
Sulfate (mg/L)	1860	2030	8.74
TDS (mg/L)	2990	3090	3.29
Uranium (mg/L)	0.0199	0.0198	0.50

* Duplicate checks reported for gross alpha minus RN and U are not %RPD. Calculated values are based on the formula in the approved QAP.

Per the approved QAP, an RPD greater than 20% is acceptable if the reported results are less than 5 times the RL. These results are provided for information only.

RPD exceeds the QAP limit of 20%.

G-7B: QA/QC Evaluation for Accelerated Sample Duplicates

Constituent	MW-35 10/4/2016	MW-65 10/4/2016	%RPD*
Manganese (mg/L)	0.196	0.194	1.03
Selenium (mg/L)	0.0140	0.0147	4.88
Thallium (mg/L)	<0.0005	<0.0005	N/A
Uranium (mg/L)	0.0210	0.0208	0.96
Radiologic RPD Tests*			
Gross Alpha minus Rn & U	2.65	4.08	1.879
Gross Alpha minus Rn & U Precision (±)	0.477	0.593	
Constituent	**MW-30 12/6/16**	**MW-65 12/6/16**	**%RPD***
Nitrate/Nitrite (as N) (mg/L)	18.2	18.4	1.09
Selenium	0.0421	0.0436	3.50
Uranium (mg/L)	0.00863	0.00868	0.58
Chloride (mg/L)	158	155	1.92
Fluoride (Mg/L)	0.385	0.355	8.11

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 ≤ 20%	GWCL	Within GWCL?
MW-01	11/8/2016	1.0 U	0.184	NC	3.75	NC
MW-02	11/8/2016	1.0 U	0.261	NC	3.2	NC
MW-03	11/8/2016	1.0 U	0.218	NC	1	NC
MW-03A	11/8/2016	1.0 U	0.309	NC	7.5	NC
MW-05	11/9/2016	1.0 U	0.169	NC	3.75	NC
MW-11	11/11/2016	1.0 U	0.175	NC	3.75	NC
MW-12	11/11/2016	1.0 U	0.188	NC	7.5	NC
MW-14	11/2/2016	1.0 U	0.199	NC	7.5	NC
MW-15	11/3/2016	1.0 U	0.144	NC	7.5	NC
MW-17	11/16/2016	1.0 U	0.231	NC	2.8	NC
MW-18	11/2/2016	1.0 U	0.116	NC	7.5	NC
MW-19	11/7/2016	1.0 U	0.284	NC	2.36	NC
MW-20	11/16/2016	1.0 U	0.128	NC	-	
MW-22	11/16/2016	2.81	0.381	Y	-	
MW-23	11/16/2016	1.0 U	0.219	NC	2.86	NC
MW-24	11/10/2016	1.0 U	0.234	NC	7.5	NC
MW-25	11/2/2016	1.0 U	0.158	NC	7.5	NC
MW-26	11/9/2016	1.0 U	0.296	NC	4.69	NC
MW-27	11/1/2016	1.0 U	0.217	NC	2	NC
MW-28	11/1/2016	1.0 U	0.217	NC	2.42	NC
MW-29	11/8/2016	1.0 U	0.263	NC	2	NC
MW-30	11/3/2016	1.0 U	0.163	NC	3.75	NC
MW-31	11/1/2016	1.0 U	0.202	NC	7.5	NC
MW-32	10/31/2016	1.07	0.247	N	3.33	Y
MW-35	11/9/2016	3.33	0.460	Y	3.75	N
MW-36	11/9/2016	1.0 U	0.210	NC	-	
MW-37	11/16/2016	1.31	0.256	Y	-	
MW-65	11/9/2016	1.0 U	0.197	NC	-	
MW-70	11/16/2016	1.0 U	0.197	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 ≤ 20%	GWCL	Within GWCL?
MW-35	10/4/2016	2.65	0.477	Y	3.75	N/A
MW-65	10/4/2016	4.08	0.593	Y	3.75	N/A
MW-35	12/5/2016	2.80	0.457	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
1611110	MW-14	Magnesium*	NC	NC	70-130	NC	20
1611110	MW-14	Calcium*	NC	NC	70-130	NC	20
1611110	MW-14	Sodium *	NC	NC	70-130	NC	20
1611110	MW-14	Manganese*	NC	NC	75-125	NC	20
1611110	MW-01	Nitrate	114	121	90-110	5.24	10
1611110	N/A	Nitrate	111	106	90-110	4.33	10
1611263	MW-01	Calcium*	NC	NC	70-130	NC	20
1611263	MW-01	Sodium *	NC	NC	70-130	NC	20
1611263	MW-26	Magnesium*	NC	NC	70-130	NC	20
1611263	MW-26	Sodium *	NC	NC	70-130	NC	20
1611263	MW-26	Calcium*	NC	NC	70-130	NC	20
1611393	MW-17	Magnesium*	NC	NC	70-130	NC	20
1611393	MW-17	Calcium*	NC	NC	70-130	NC	20
1611393	MW-17	Sodium *	NC	NC	70-130	NC	20
1611393	MW-70 (Duplicate of MW-17)	Ammonia	122	121	90-110	0.487	10
1612294	MW-17	Calcium*	NC	NC	70-130	NC	20
1612294	MW-17	Magnesium*	NC	NC	70-130	NC	20
1612294	MW-17	Sodium *	NC	NC	70-130	NC	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 labroatory established acceptance limits.

Laboratory Duplicate % Recovery Comparison

Lab Report	Well	Analyte	Sample Result (mg/L)	Lab Duplicate Result (mg/L)	RPD %	RPD Range %
1611393	MW-17	TDS	3400	2990	12.9	5

N/A = QC was not performed on an EFRI sample.

G-9B: Accelerated Laboratory Matrix QC

Matrix Spike % Recovery Comparison
All MS/MSD recoveries were within labroatory established acceptance limits.

LCS % Recovery Comparison
All LCS recoveries were within labroatory established acceptance limits.

Method Blank Results
The method blanks were non-detect.

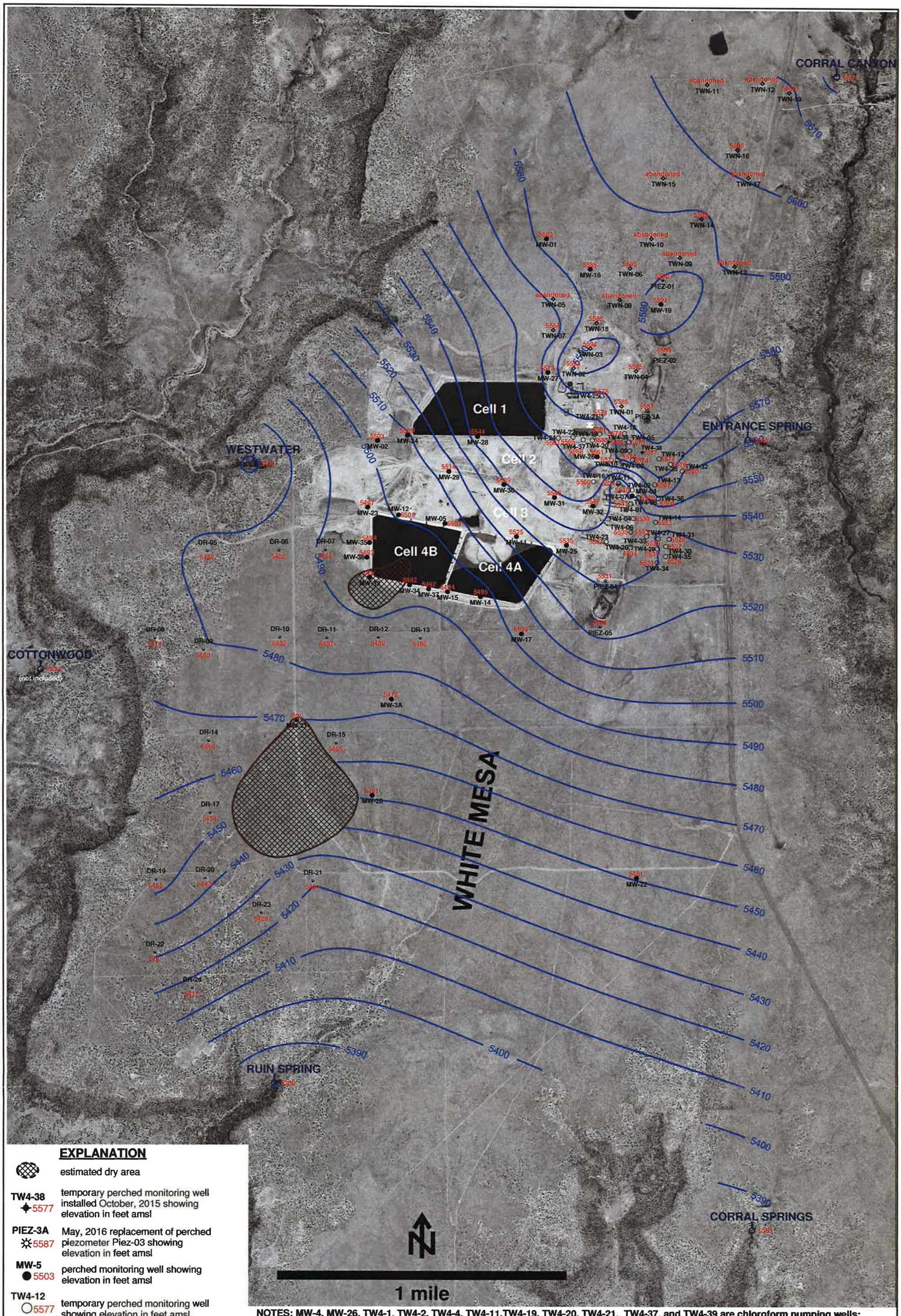
Laboratory Duplicate % Recovery Comparison

Lab Report	Well	Analyte	Sample Result (mg/L)	Lab Duplicate Result (mg/L)	RPD %	RPD Range %
1610115	MW-31	TDS	1550	1670	7.2	5
412449	MW-35	Gross Alpha	3	4.75	51.7	20

N/A = QC was not performed on an EFRI sample.

Tab H

Kriged Current Quarterly Groundwater Contour Map



EXPLANATION

- estimated dry area
- **TW4-38** ✦5577 — temporary perched monitoring well installed October, 2015 showing elevation in feet amsl
- **PIEZ-3A** ☼5587 — May, 2016 replacement of perched piezometer Piez-03 showing elevation in feet amsl
- **MW-5** ●5503 — perched monitoring well showing elevation in feet amsl
- **TW4-12** ○5577 — temporary perched monitoring well showing elevation in feet amsl
- **TWN-7** ◇5564 — temporary perched nitrate monitoring well showing elevation in feet amsl
- **PIEZ-1** ⊖5590 — perched piezometer showing elevation in feet amsl
- **RUIN SPRING** 5380 — seep or spring showing elevation in feet amsl

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11,TW4-19, TW4-20, TW4-21, TW4-37, and TW4-39 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells;TW4-11 water level is below the base of the Burro Canyon Formation

HYDRO GEO CHEM, INC.

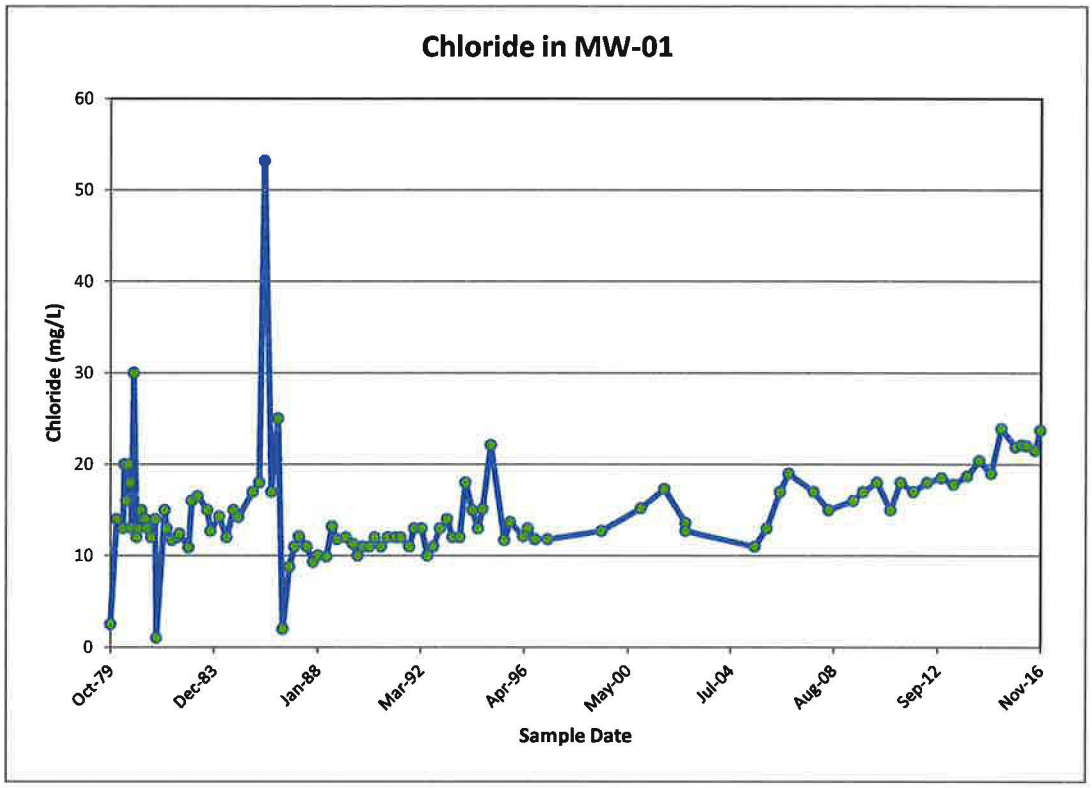
KRIGED 4th QUARTER, 2016 WATER LEVELS WHITE MESA SITE

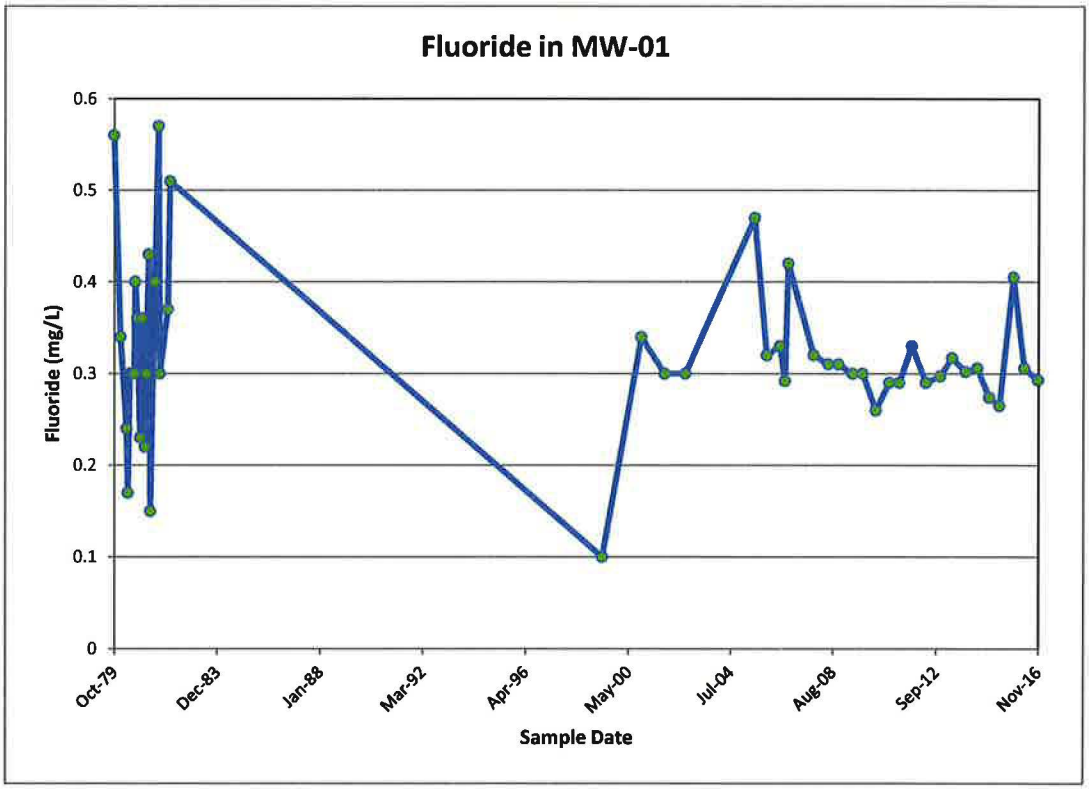
APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/feb17/WL/Uwl1116.srf	H-1

Tab I

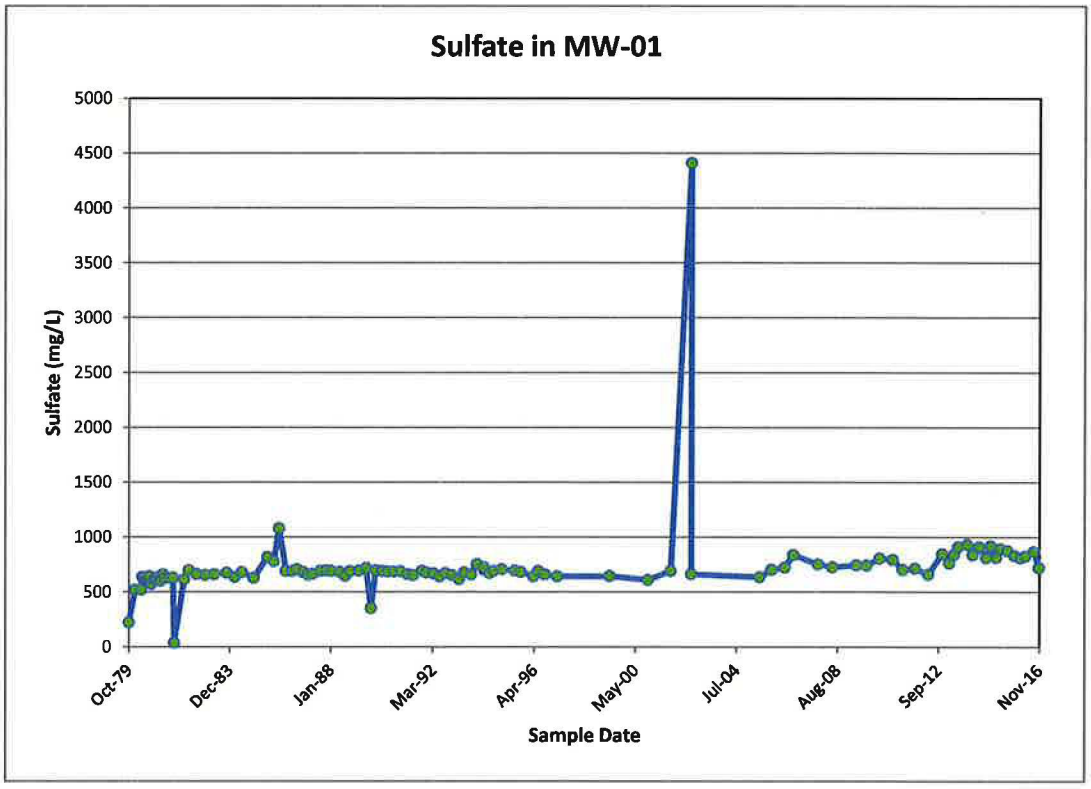
Groundwater Time Concentration Plots

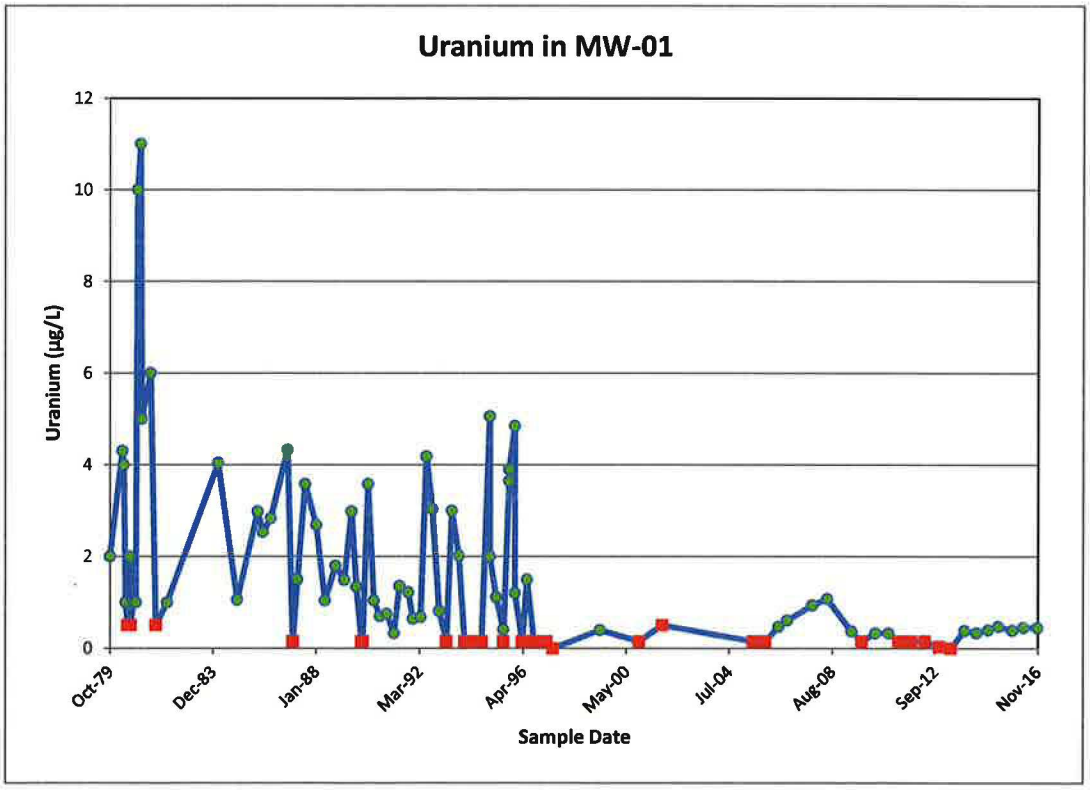
Time concentration plots for MW-01



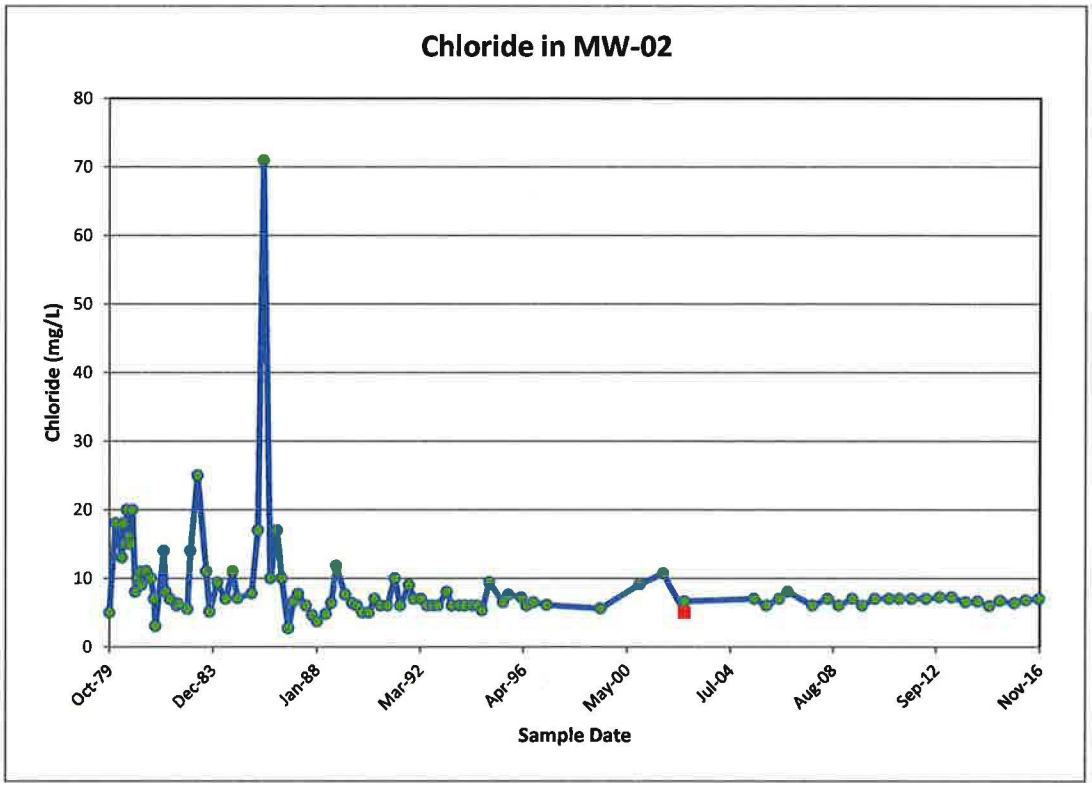


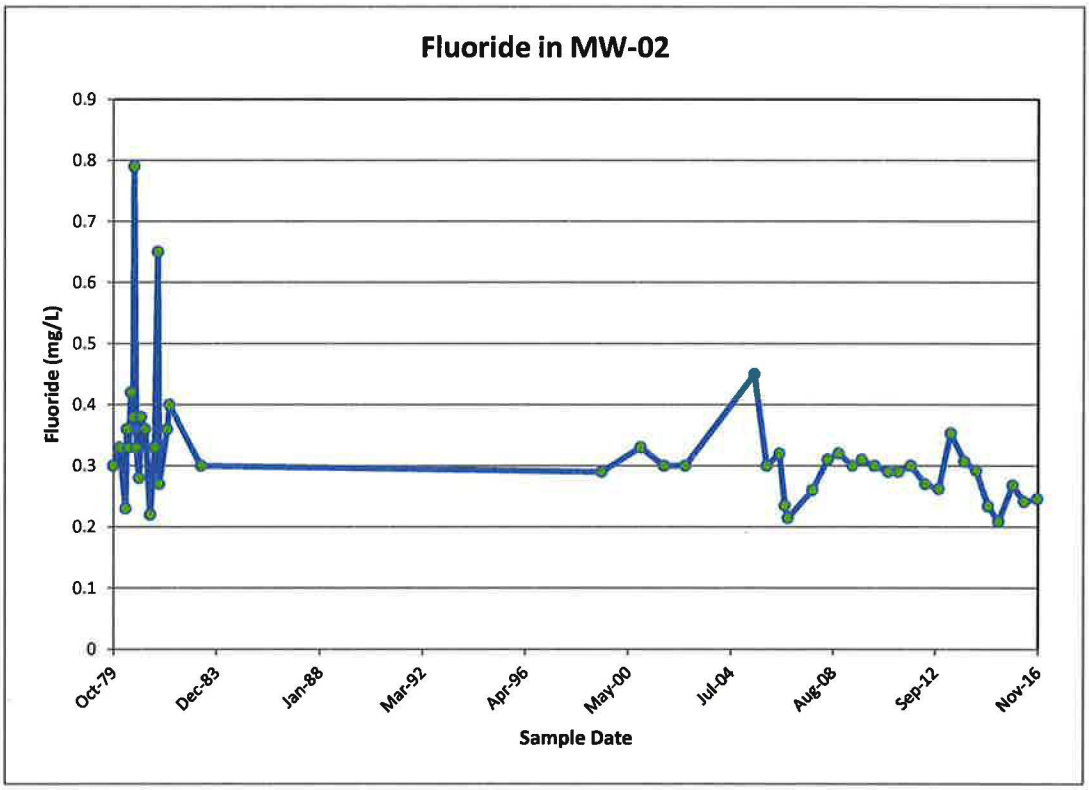
Time concentration plots for MW-01



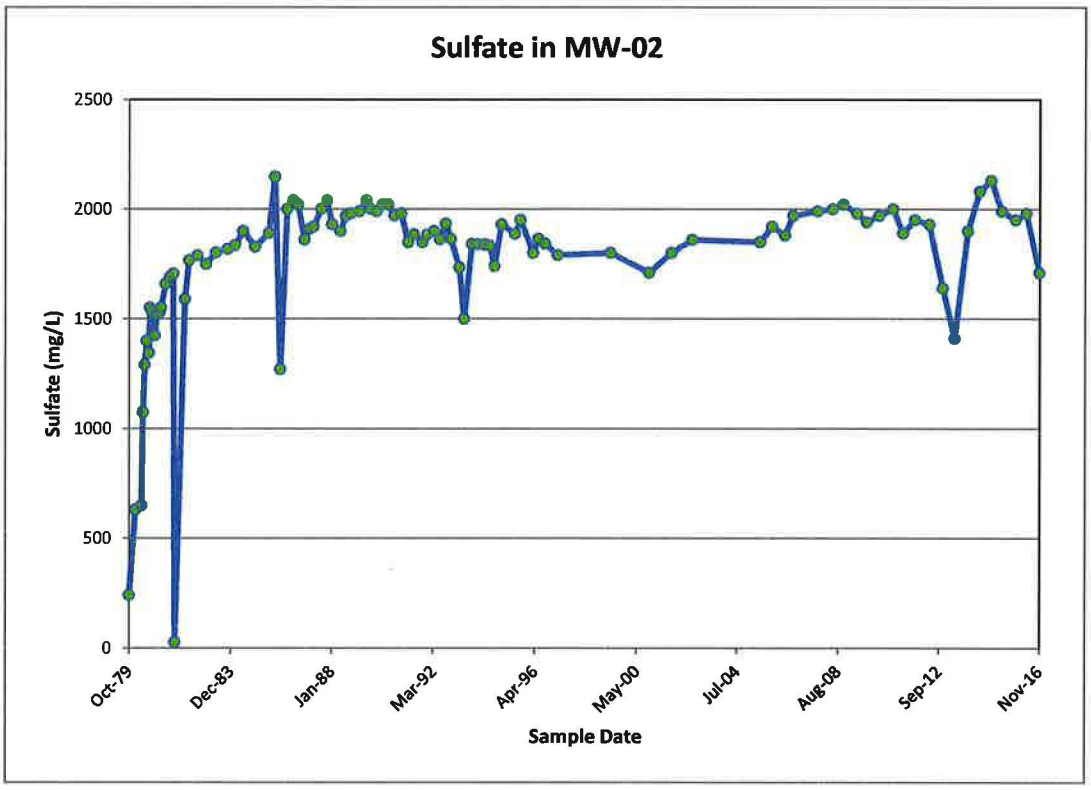


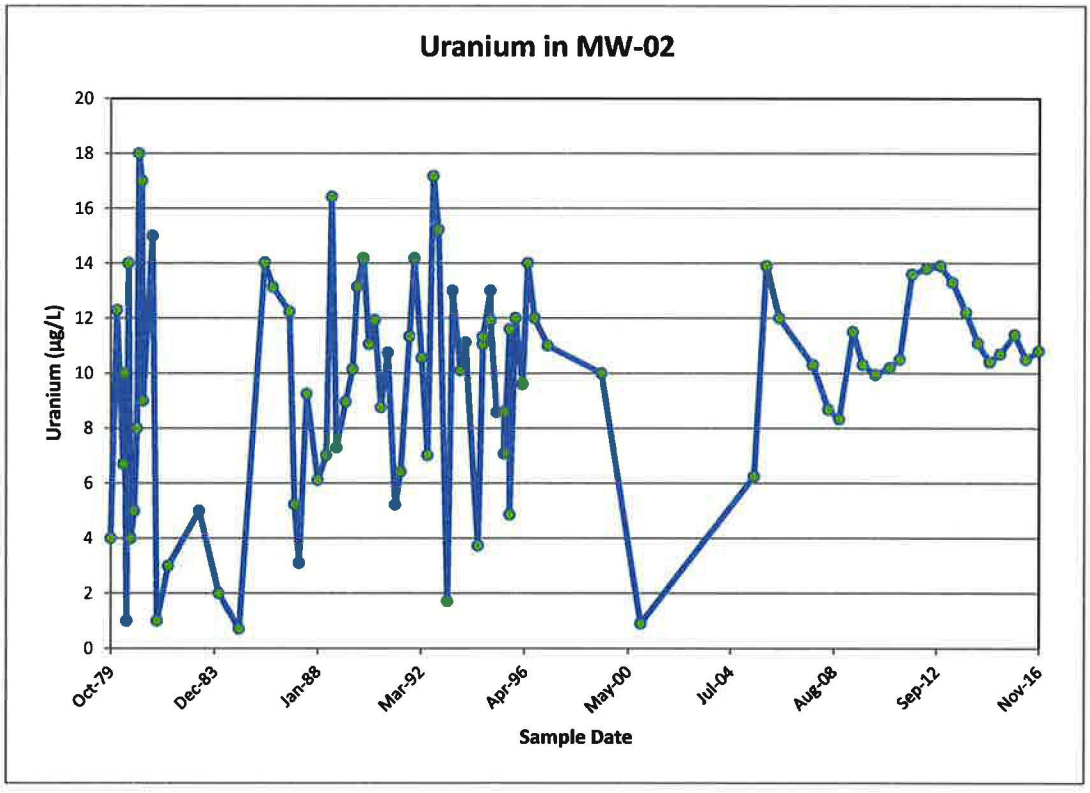
Time concentration plots for MW-02



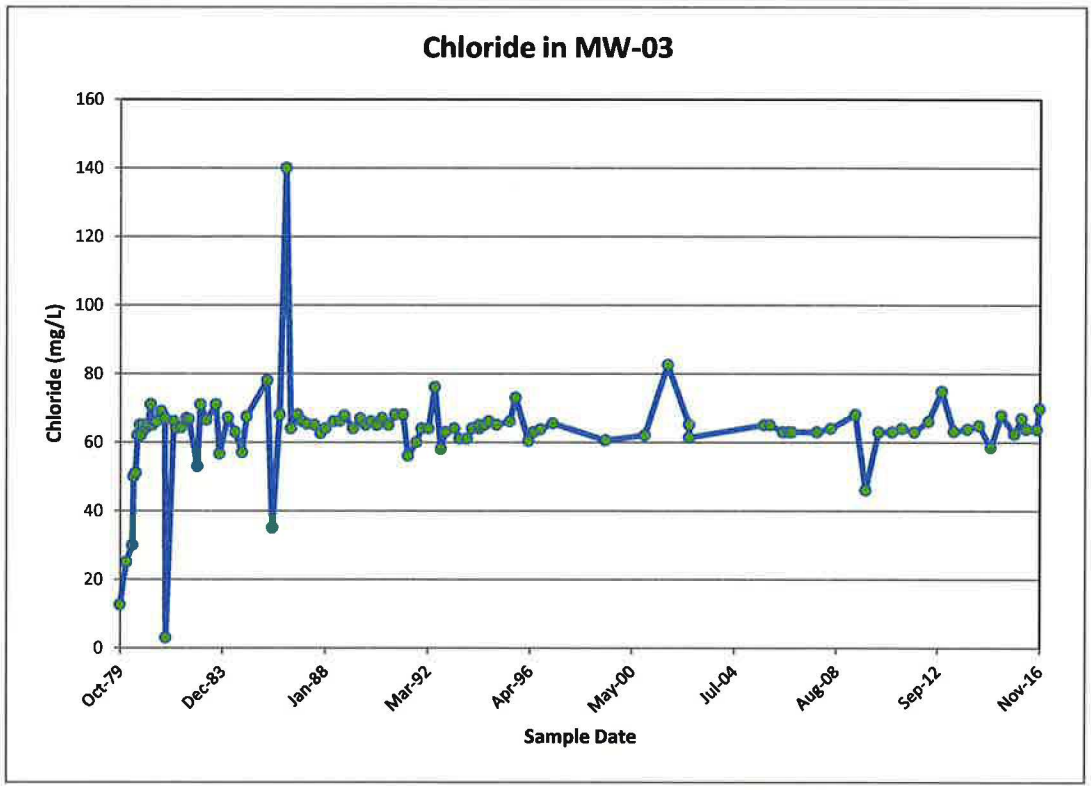


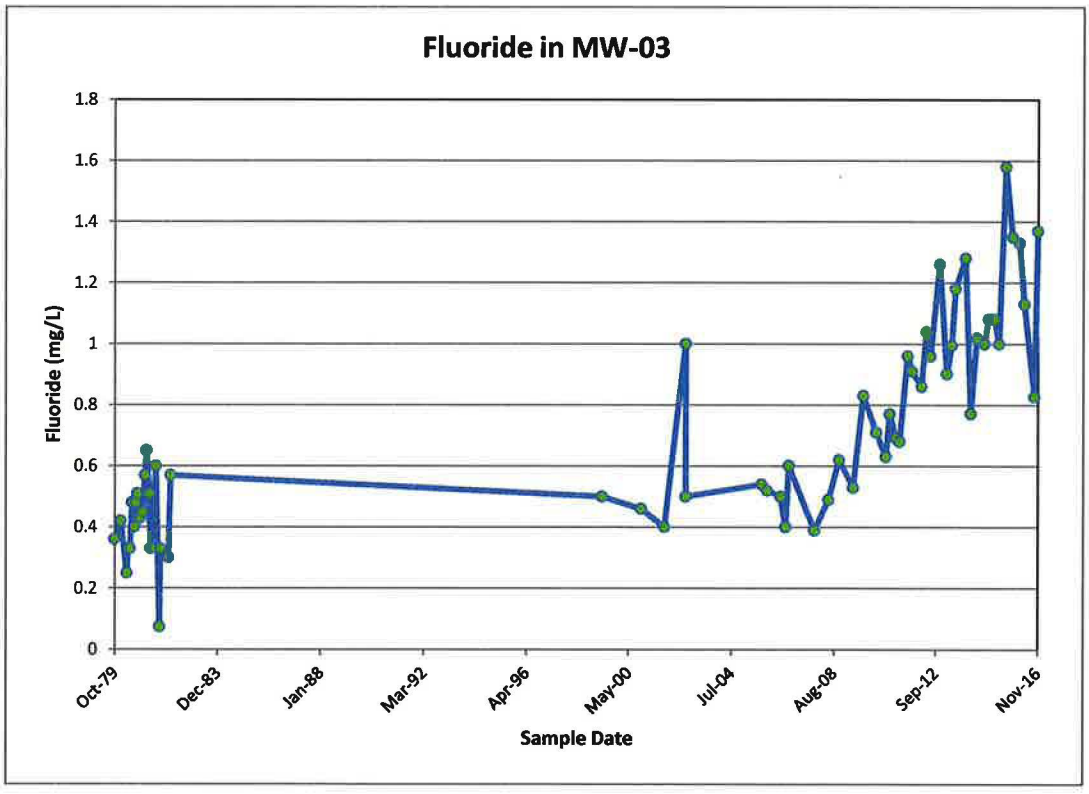
Time concentration plots for MW-02



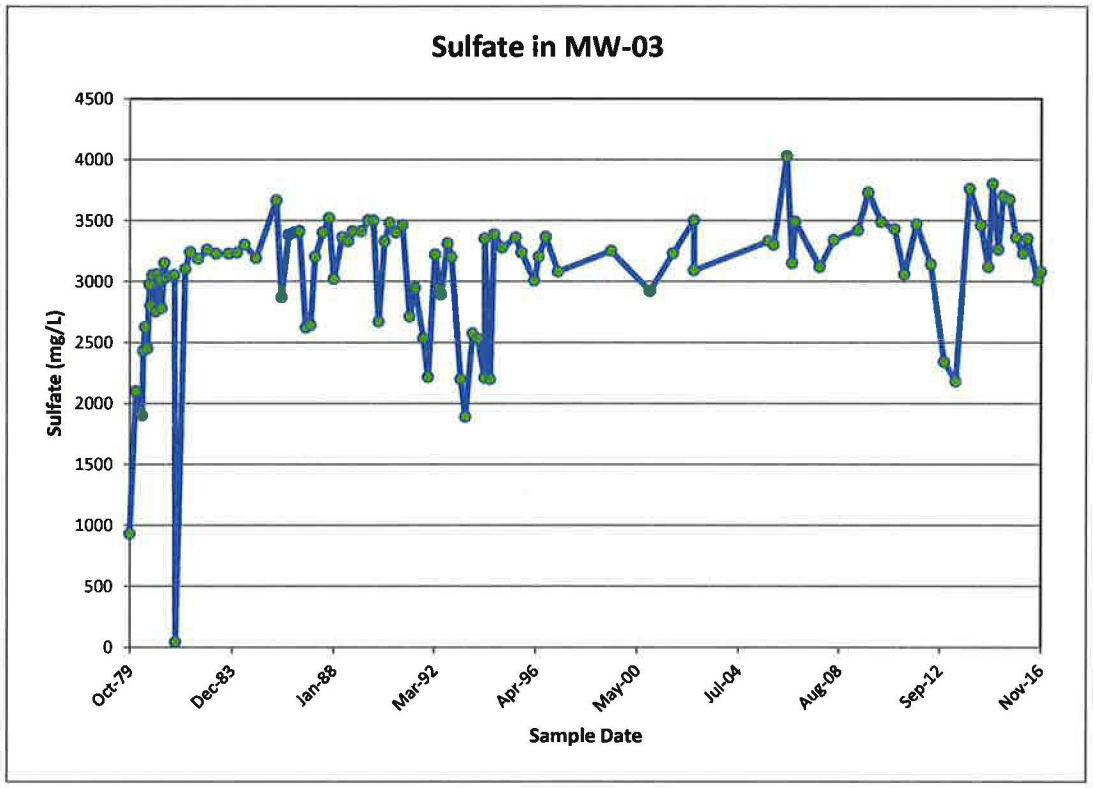


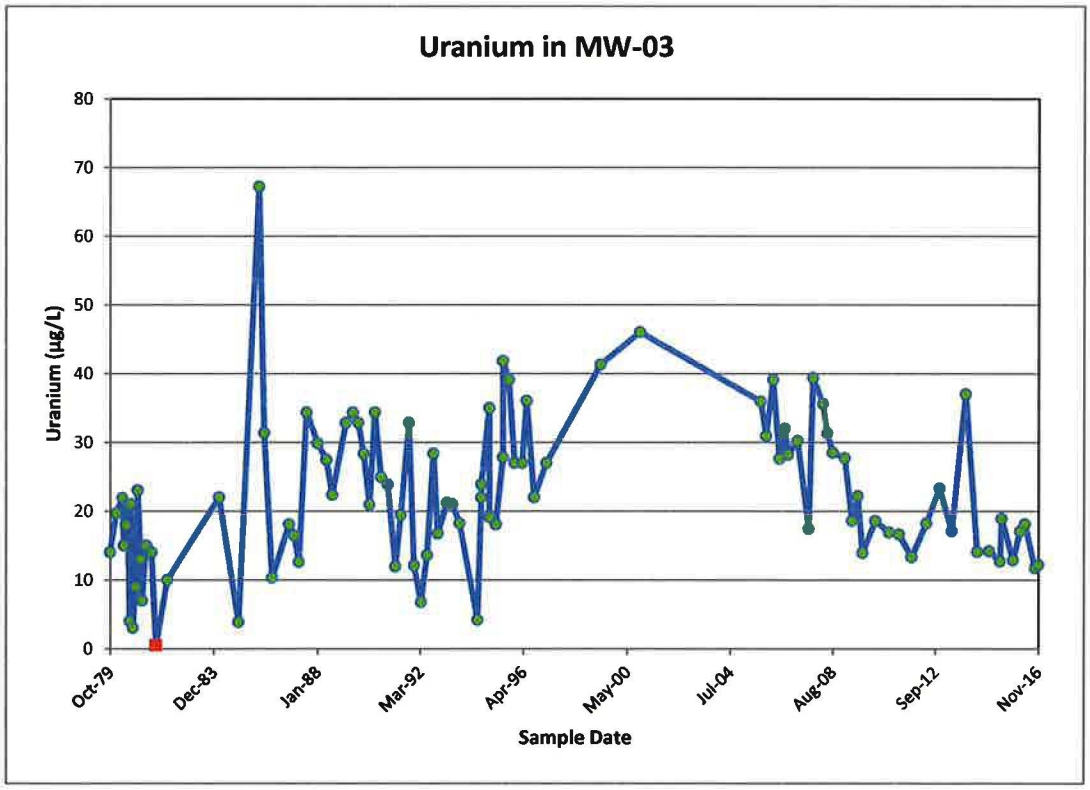
Time concentration plots for MW-03



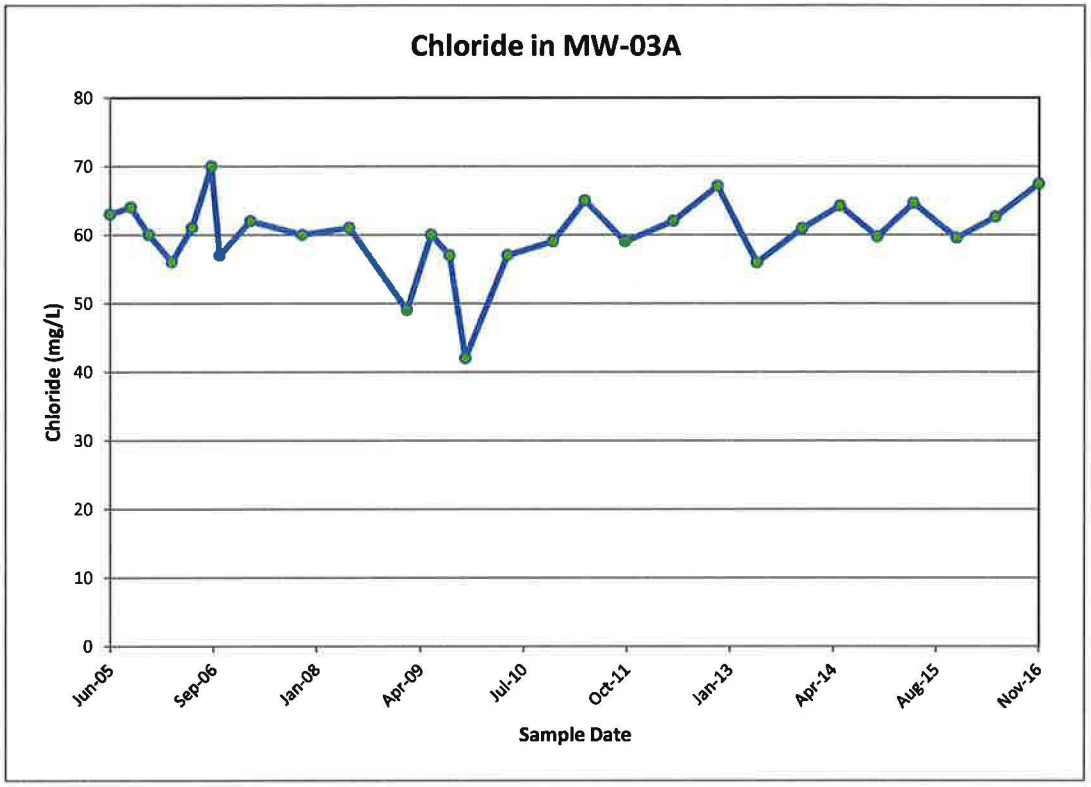


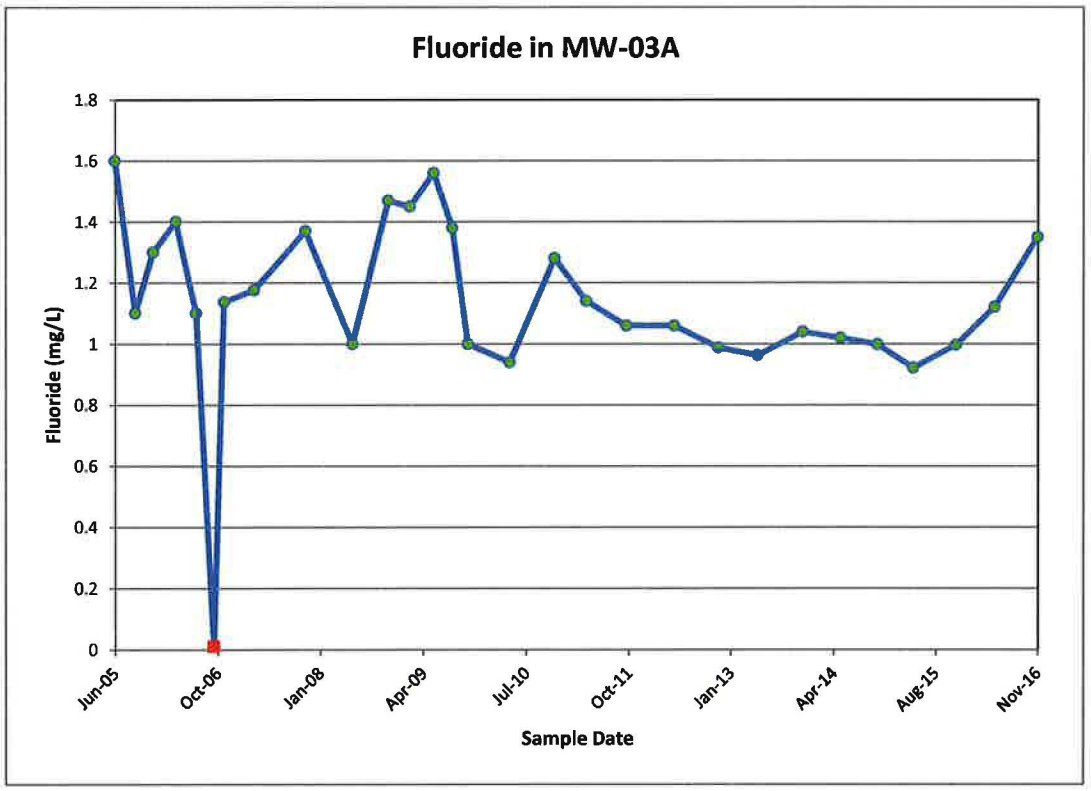
Time concentration plots for MW-03



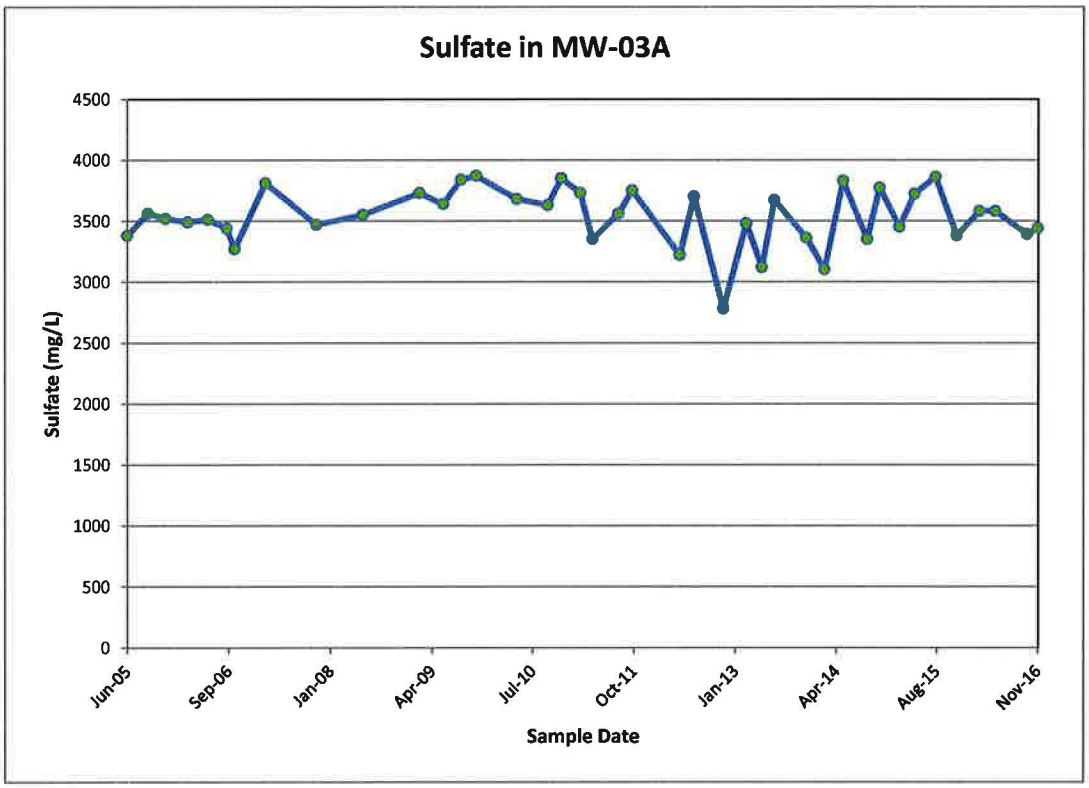


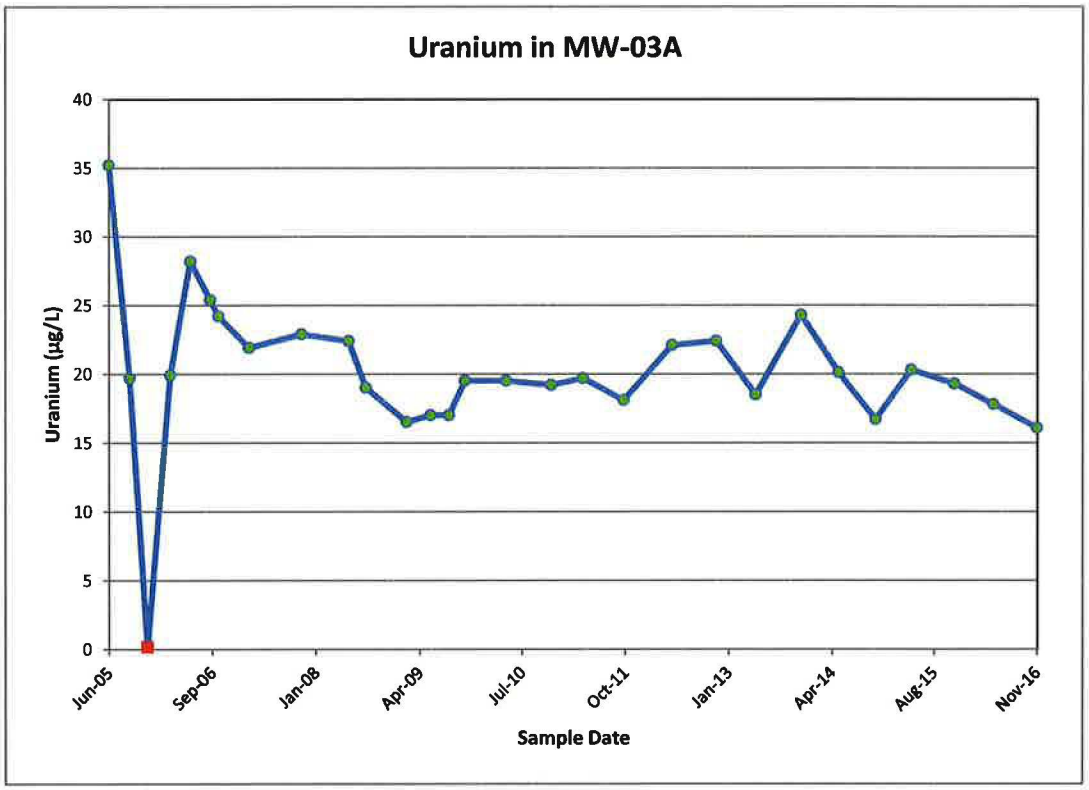
Time concentration plots for MW-03A



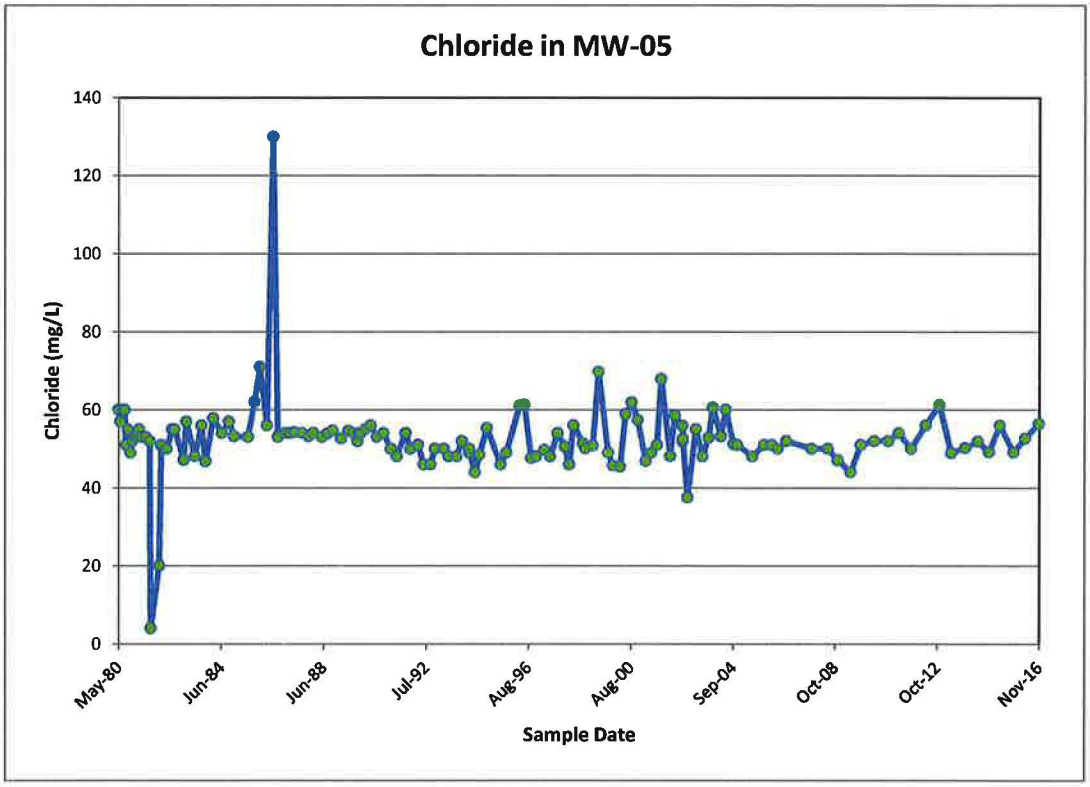


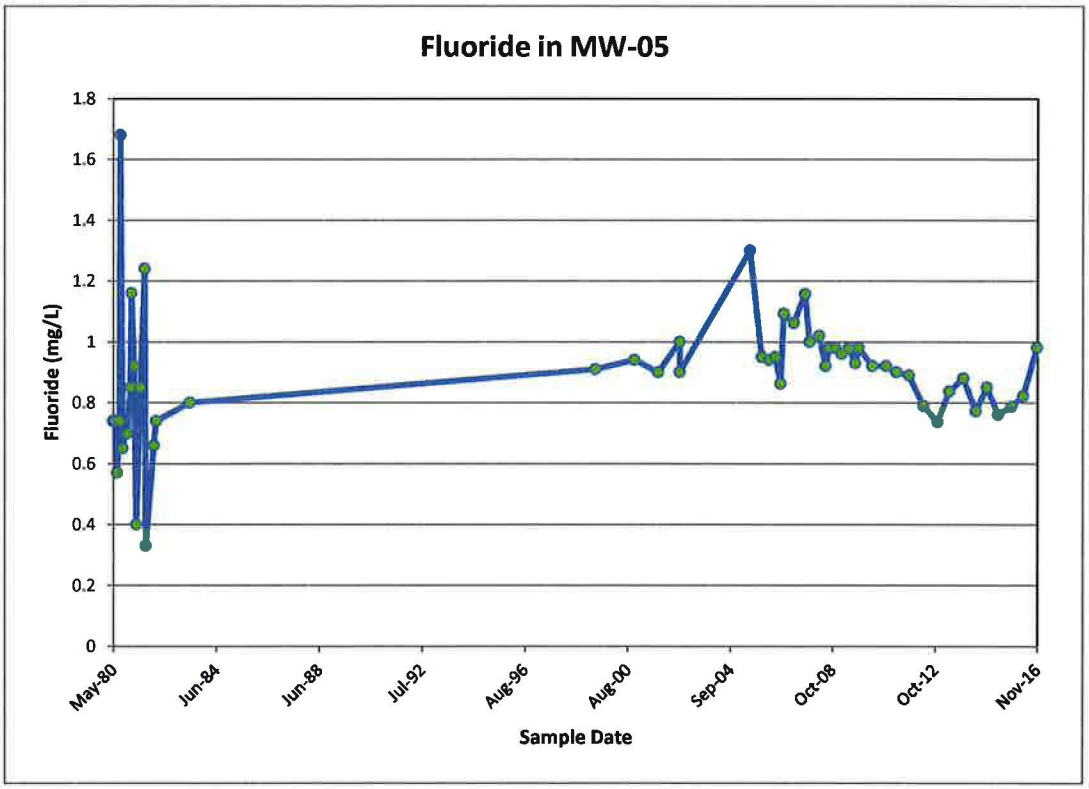
Time concentration plots for MW-03A



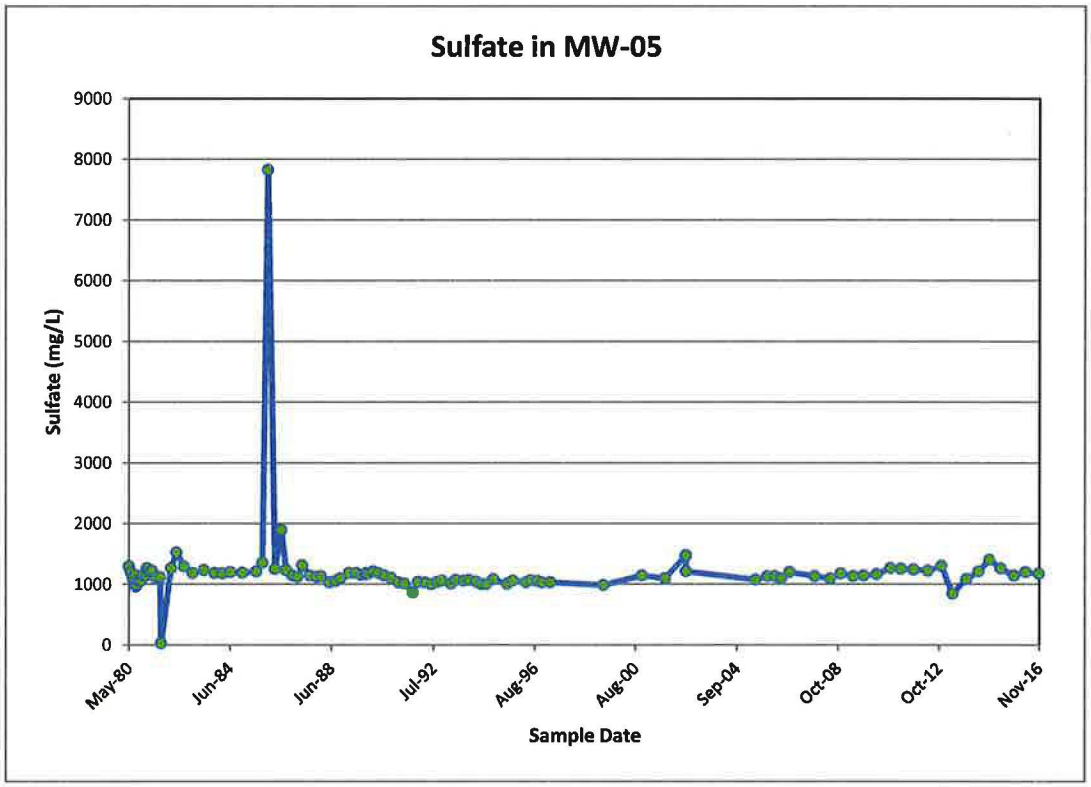


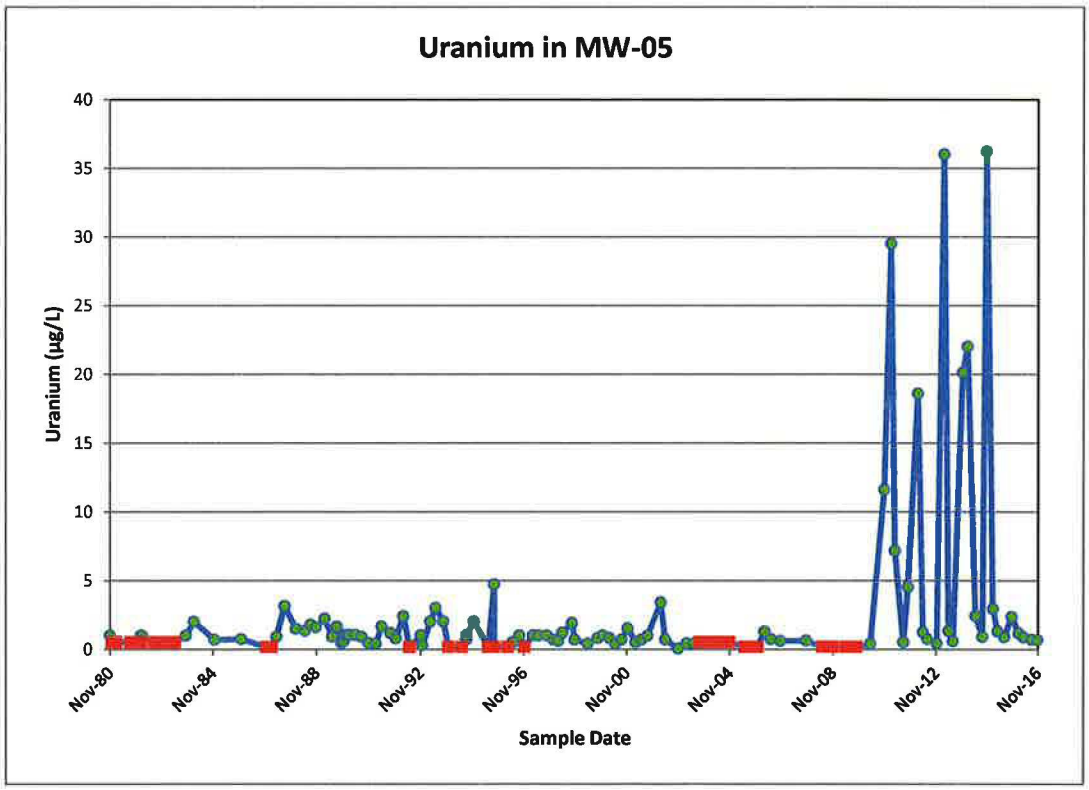
Time concentration plots for MW-05



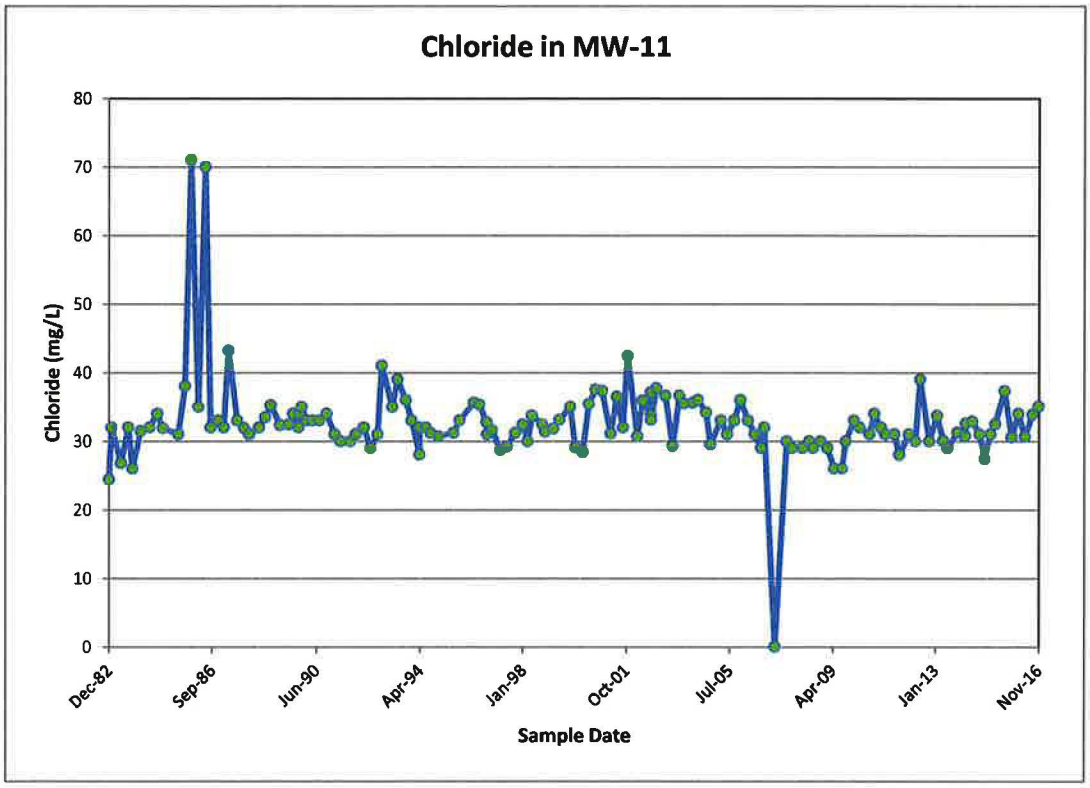


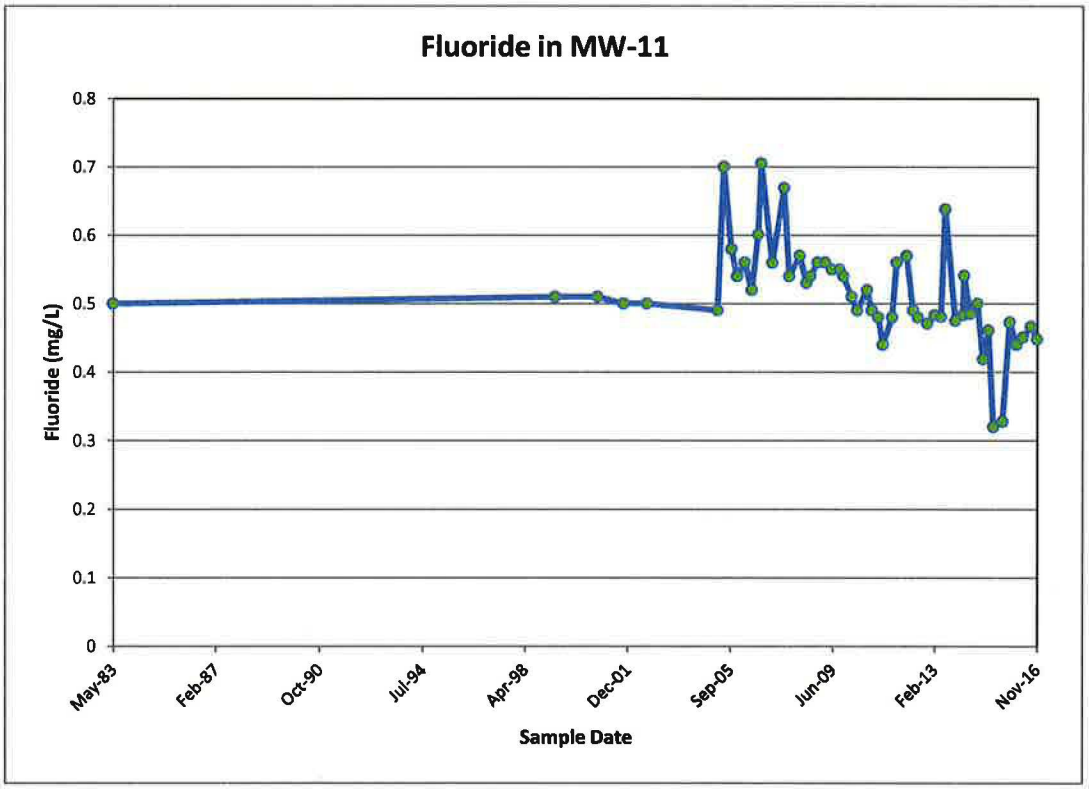
Time concentration plots for MW-05



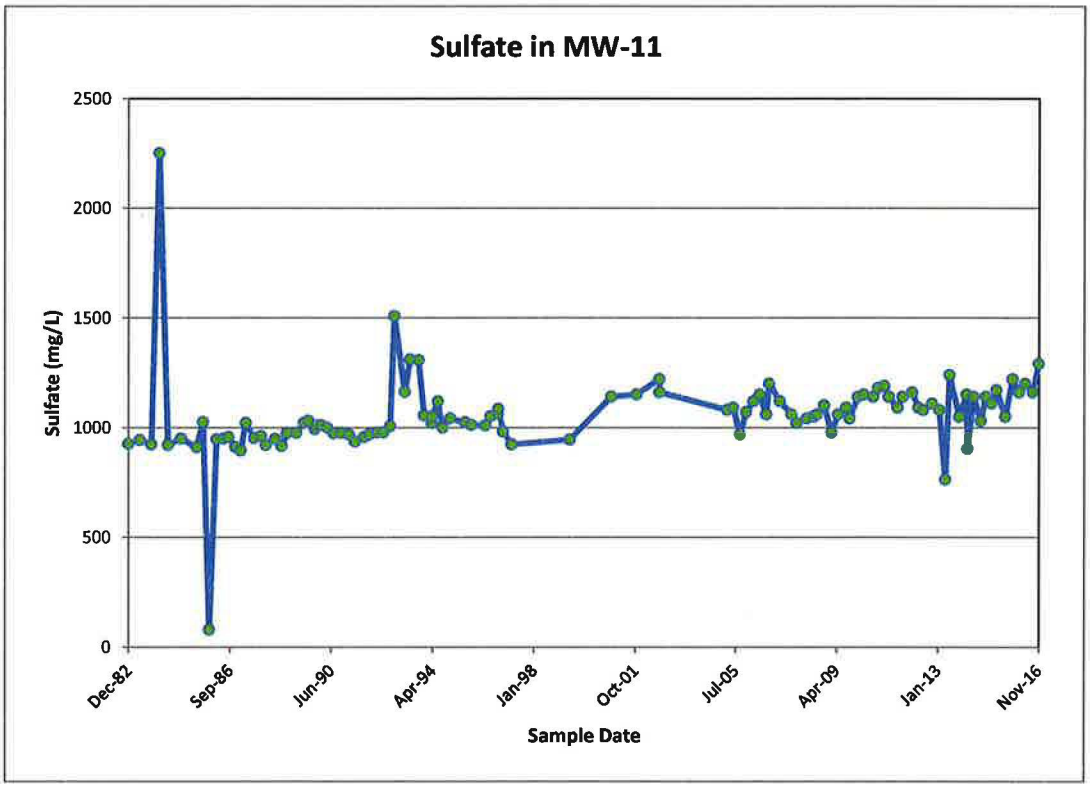


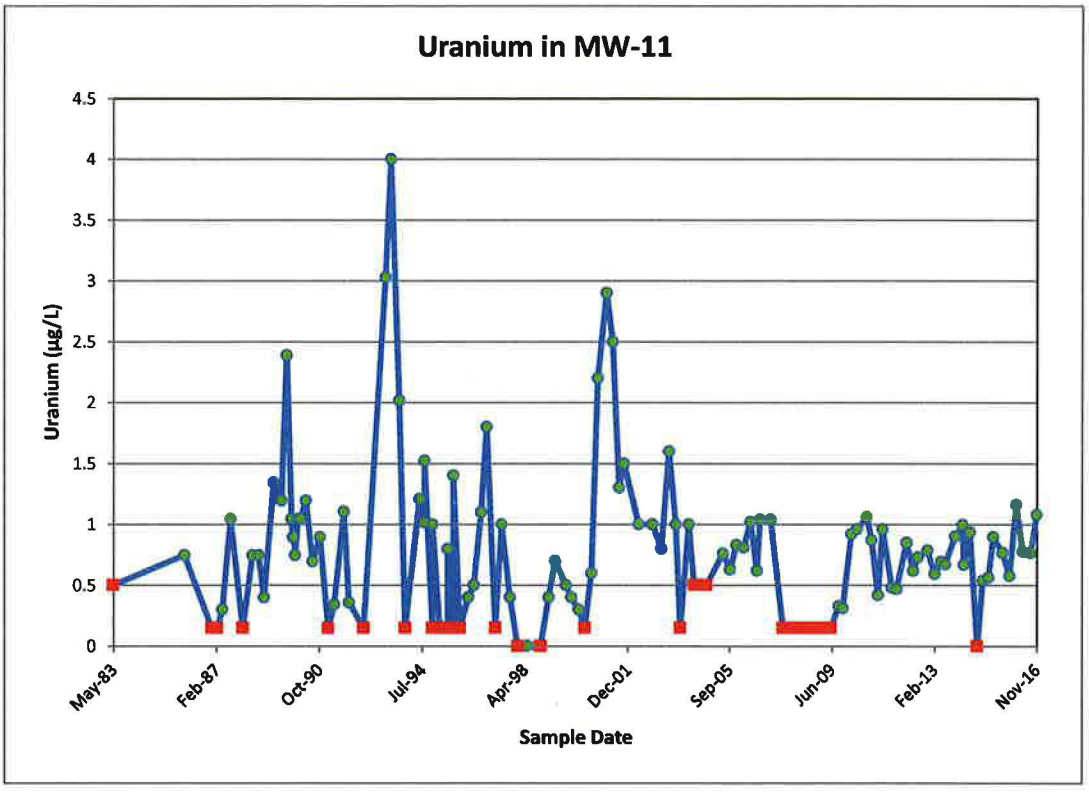
Time concentration plots for MW-11



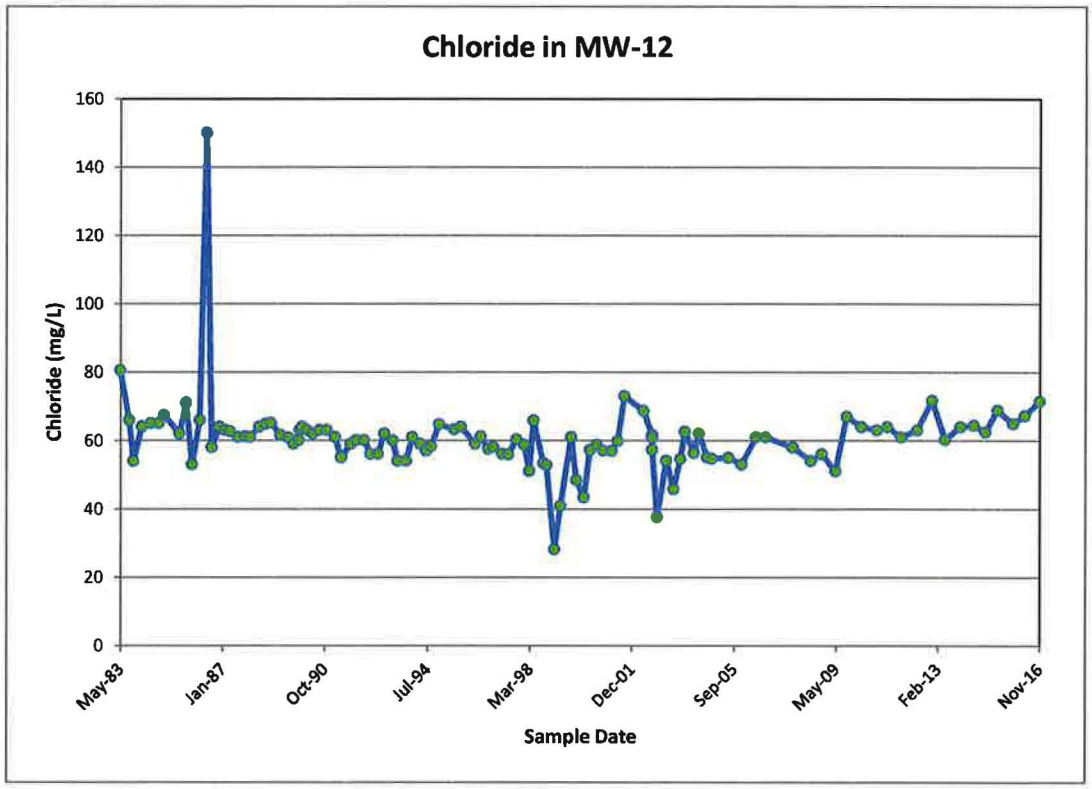


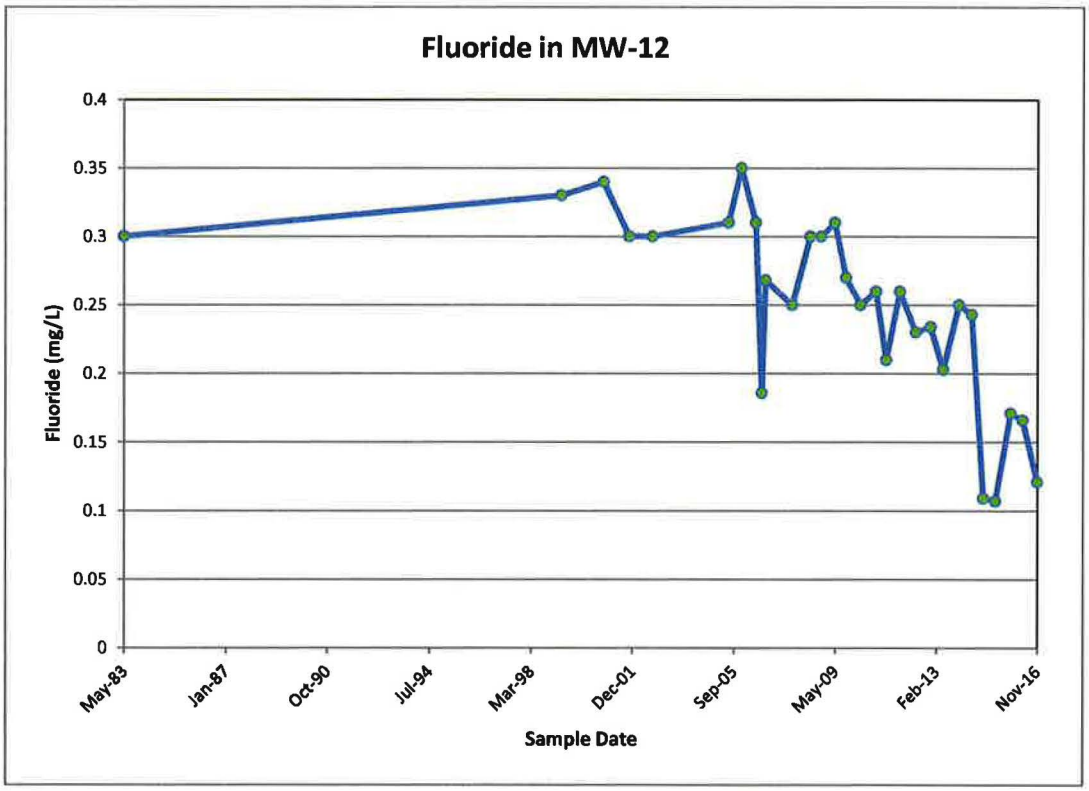
Time concentration plots for MW-11



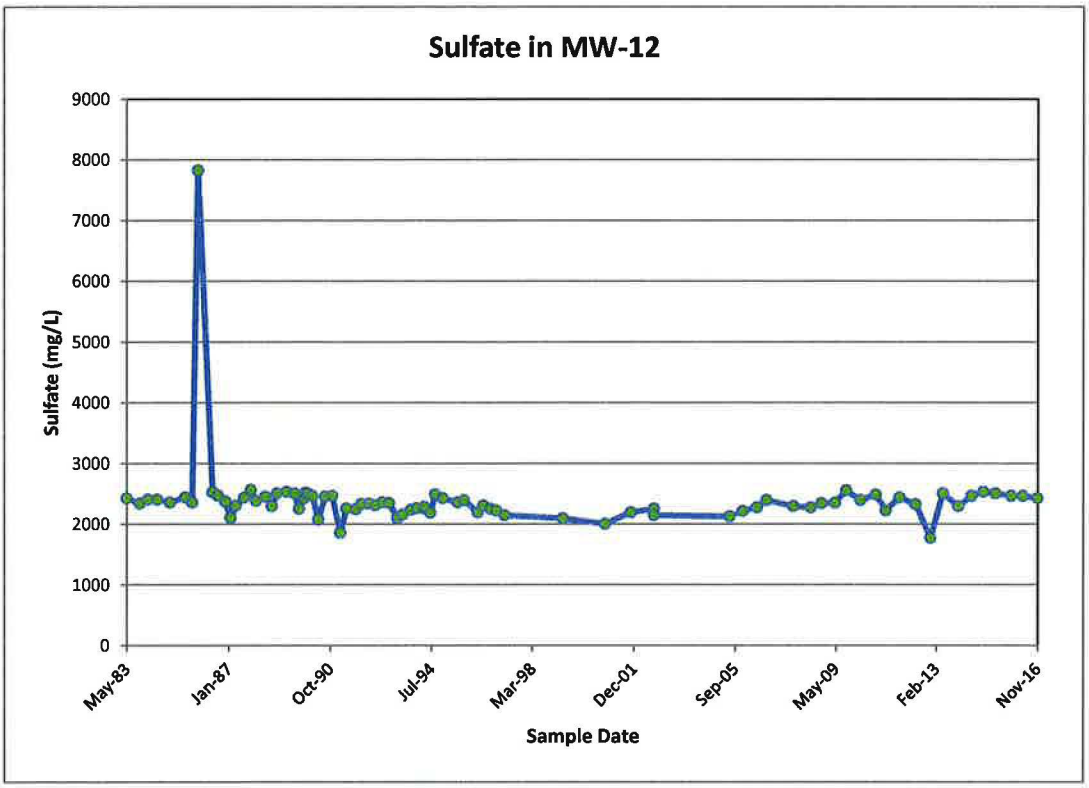


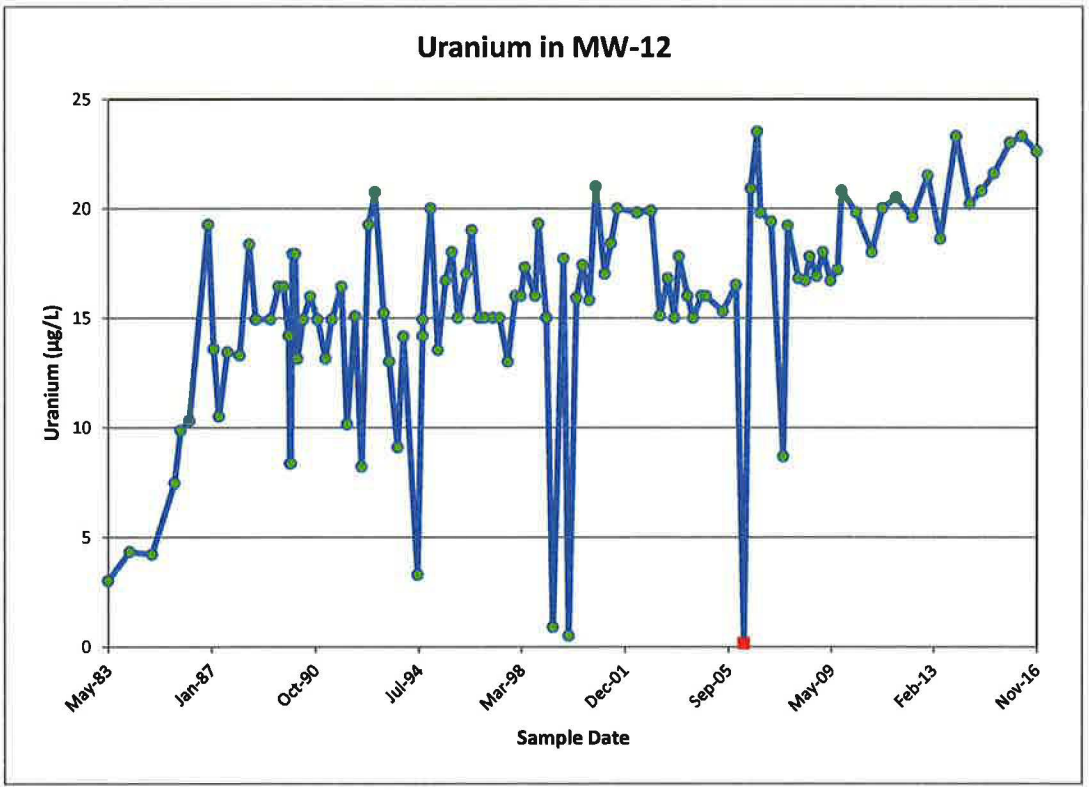
Time concentration plots for MW-12



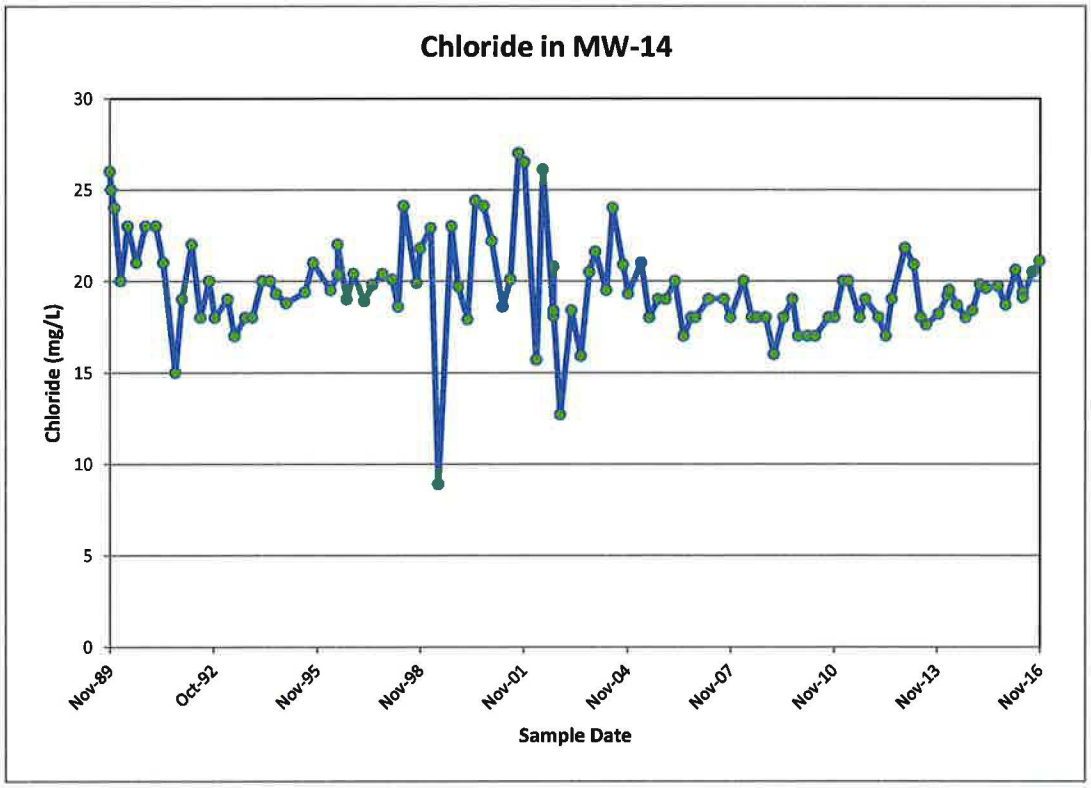


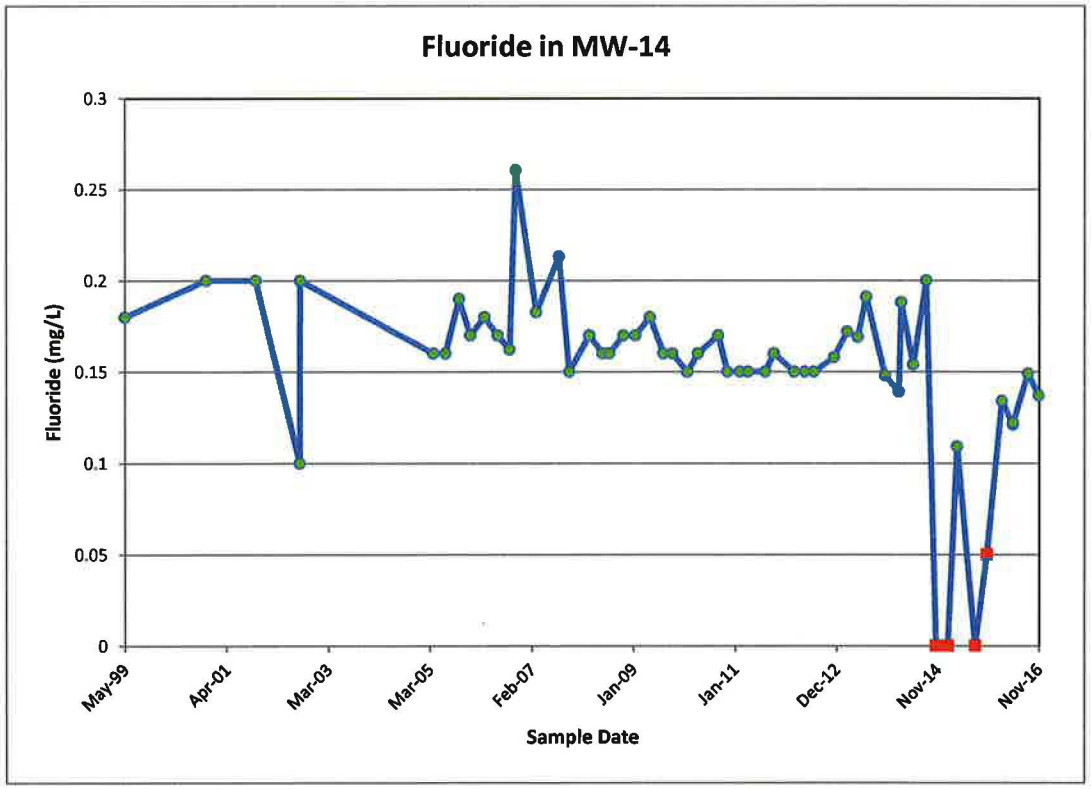
Time concentration plots for MW-12



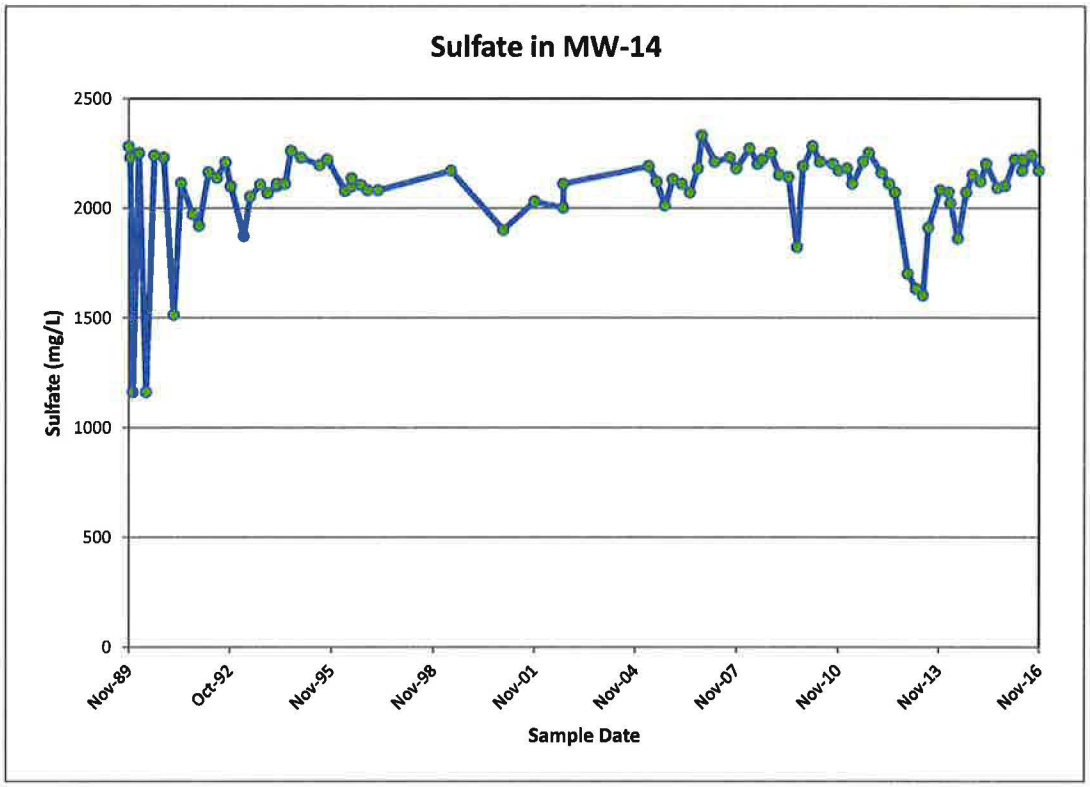


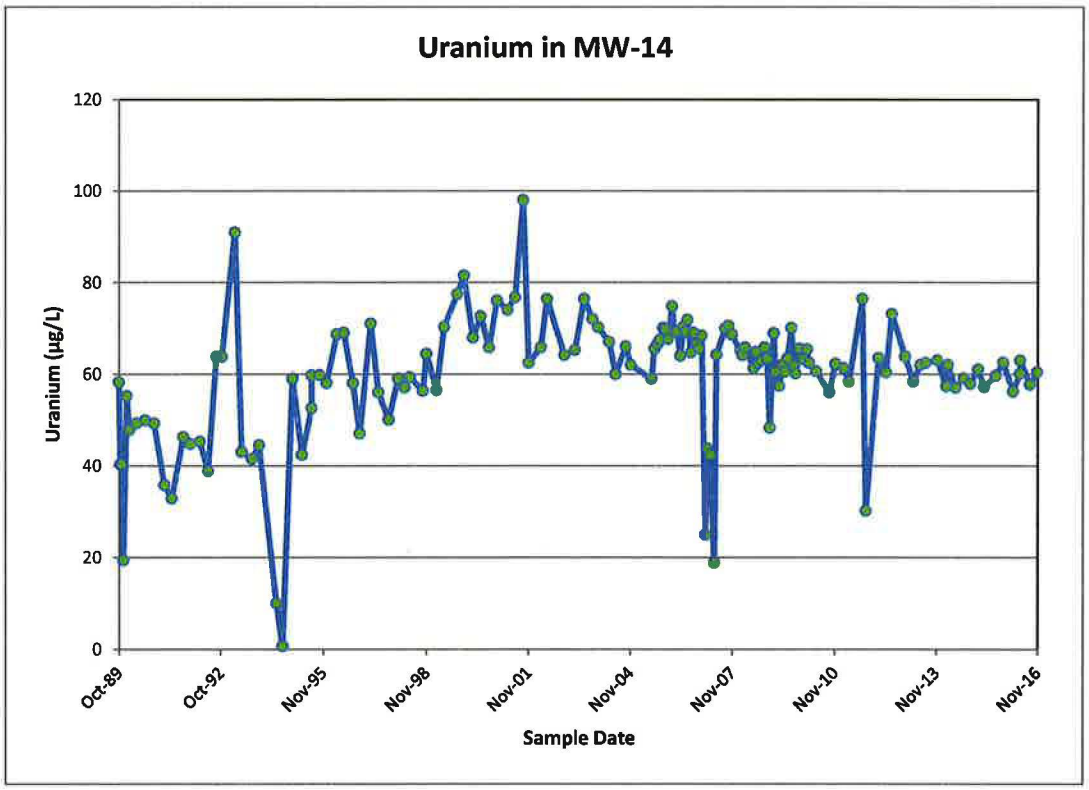
Time concentration plots for MW-14



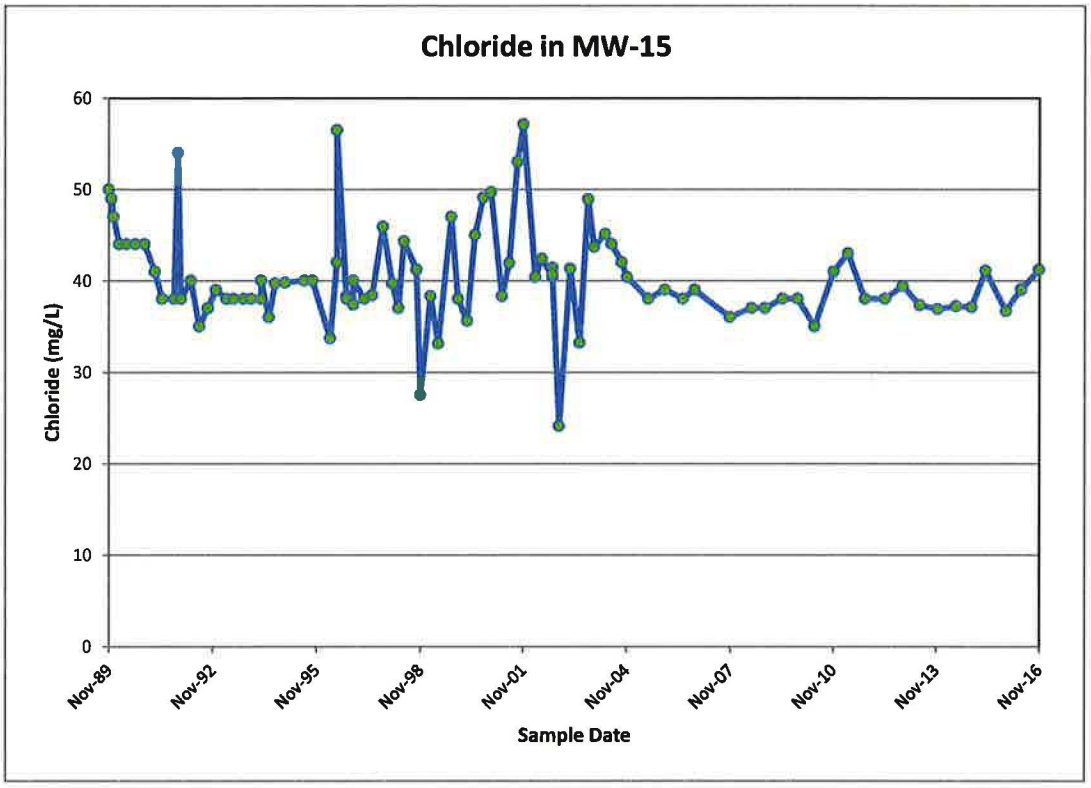


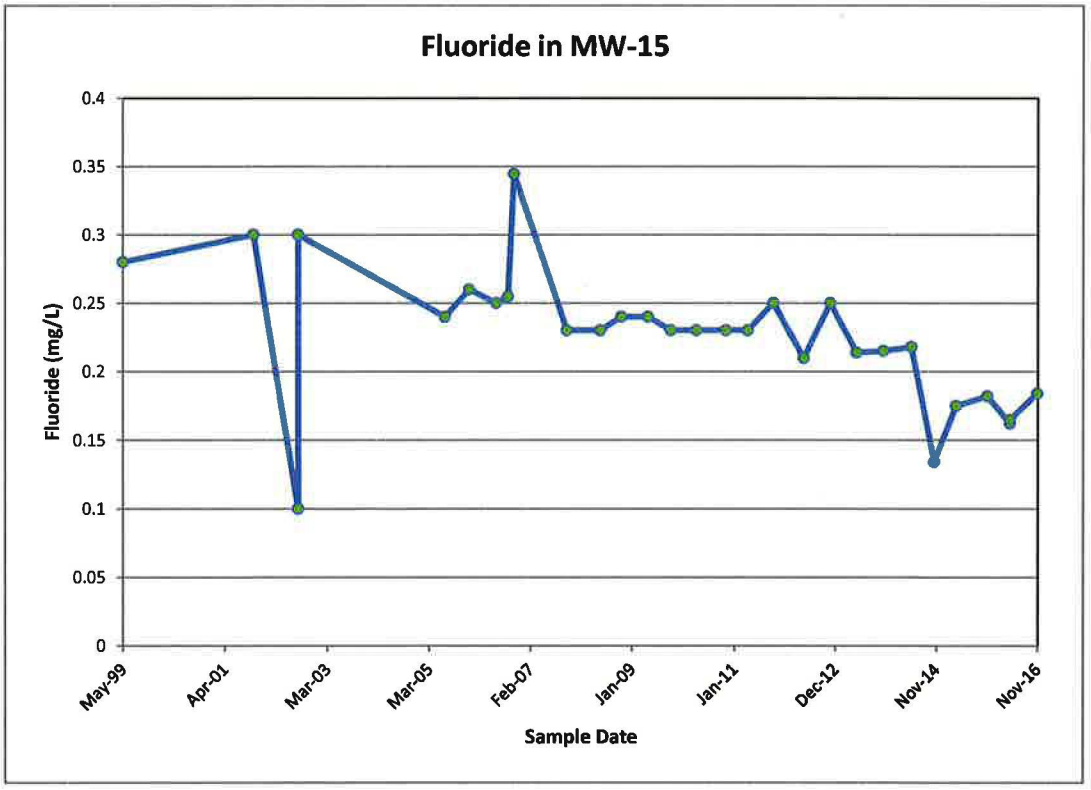
Time concentration plots for MW-14



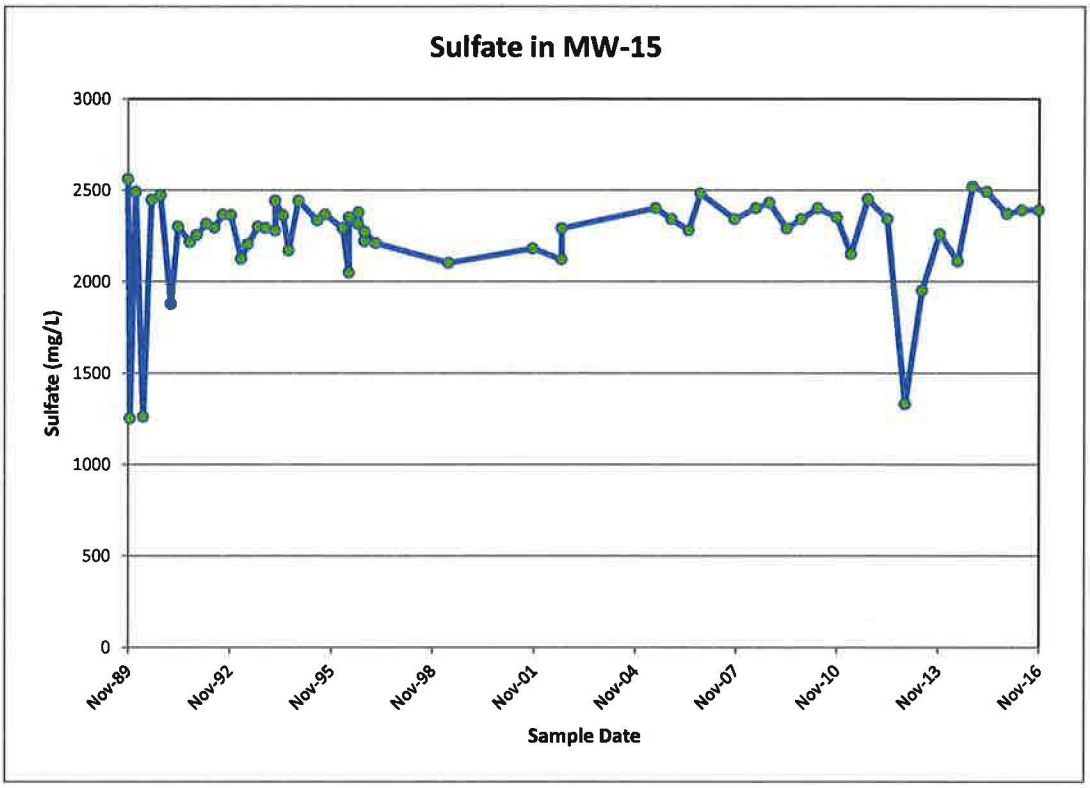


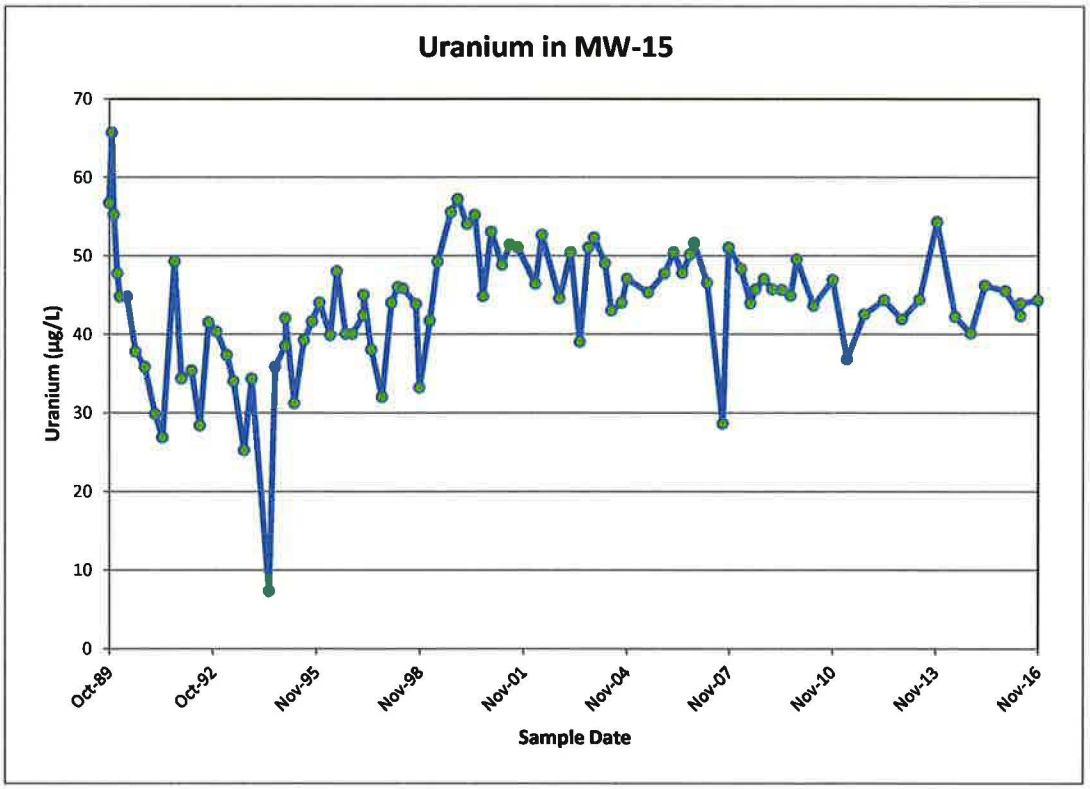
Time concentration plots for MW-15



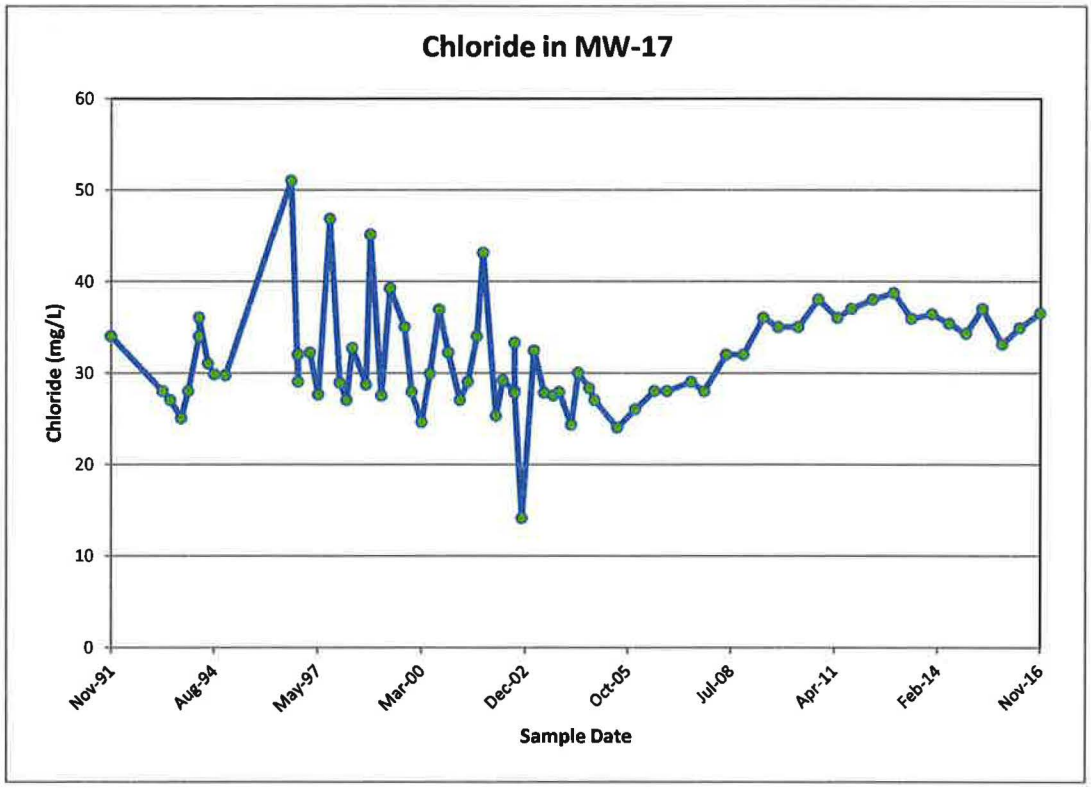


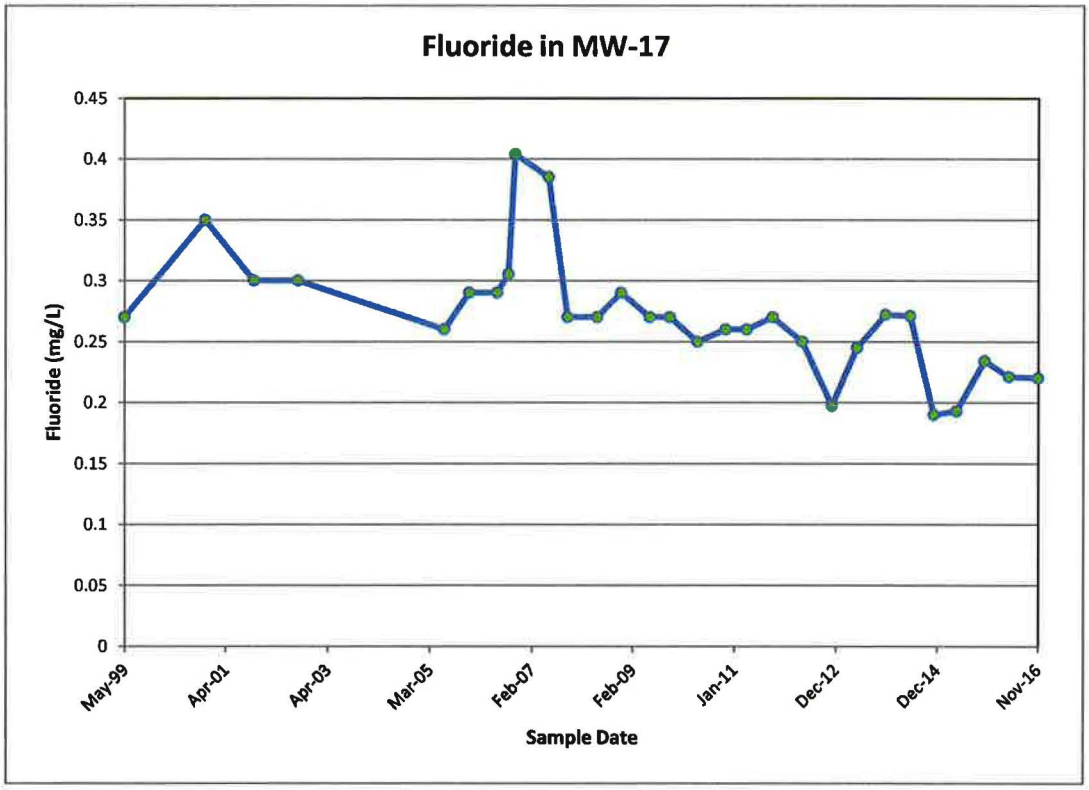
Time concentration plots for MW-15



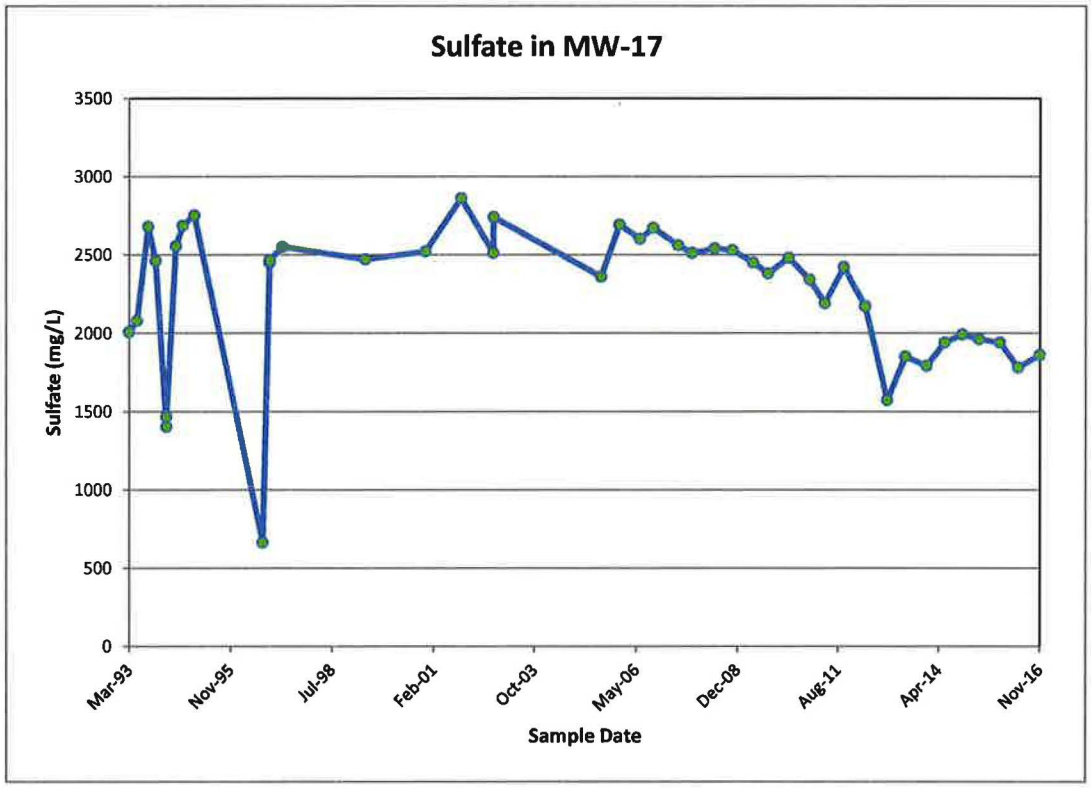


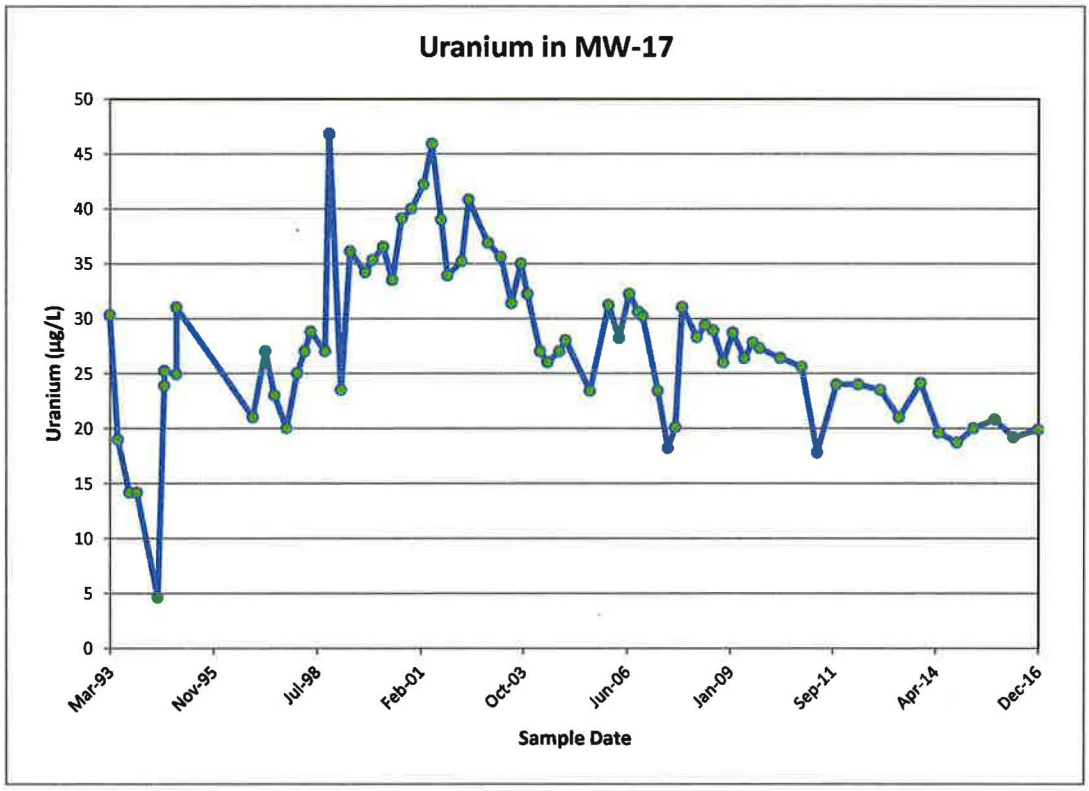
Time concentration plots for MW-17



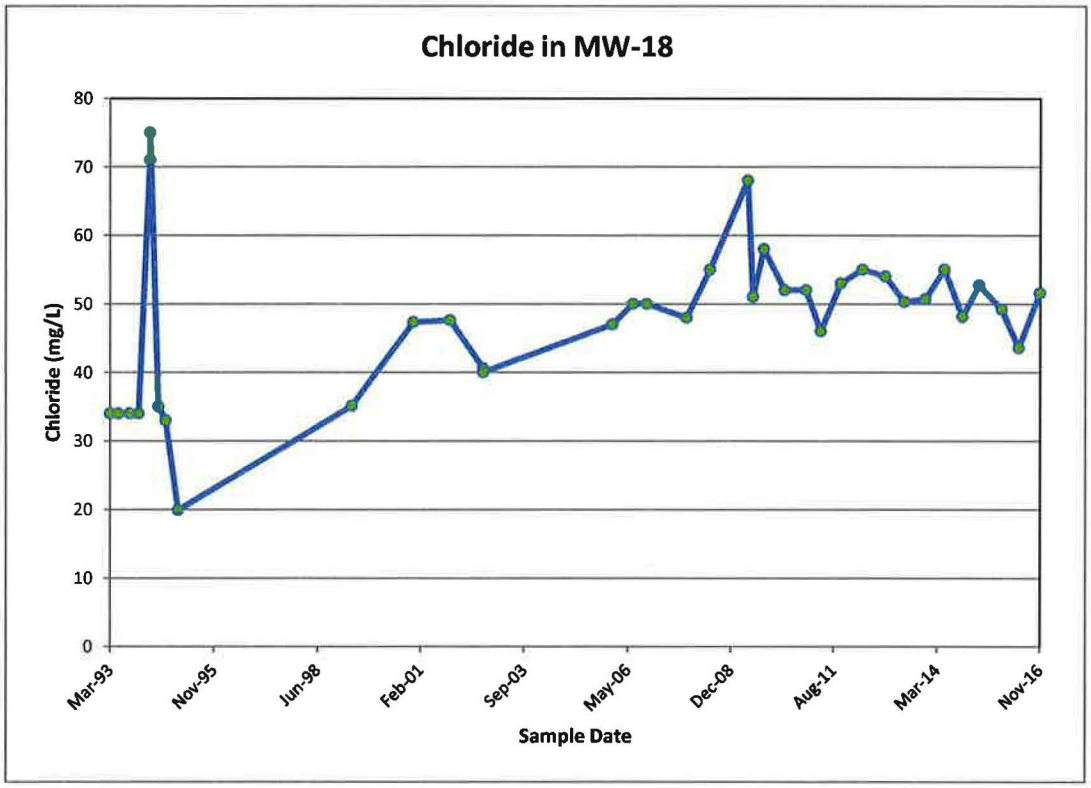


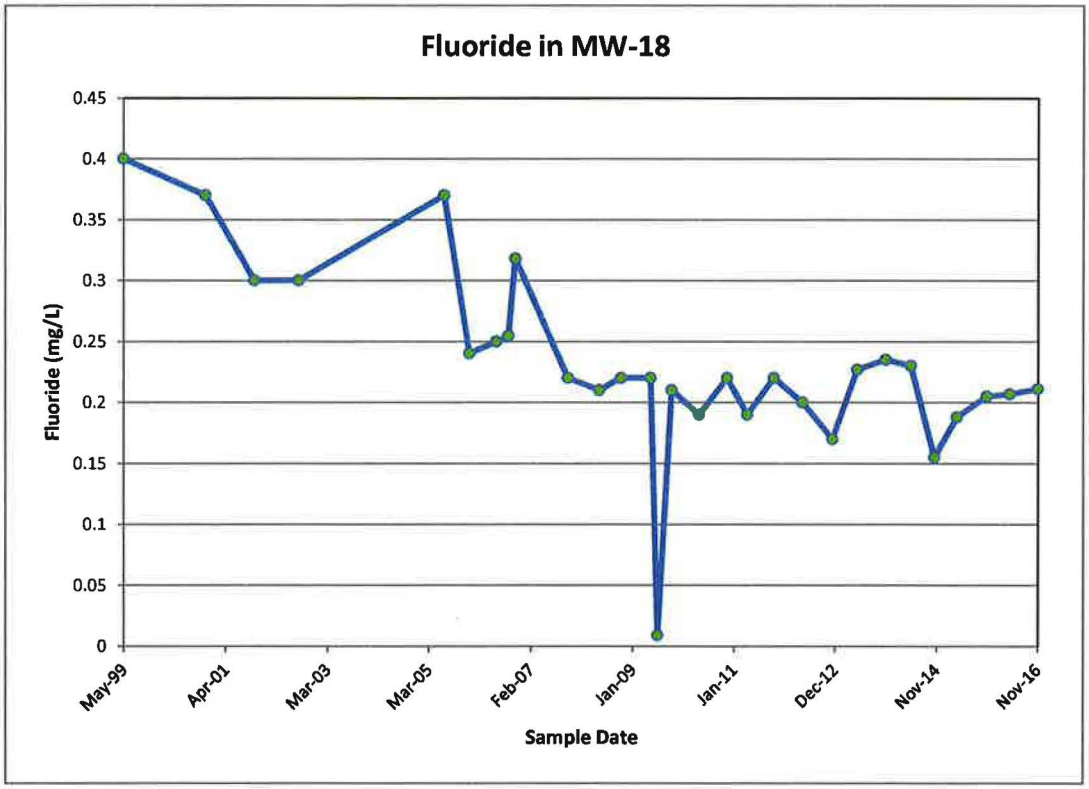
Time concentration plots for MW-17



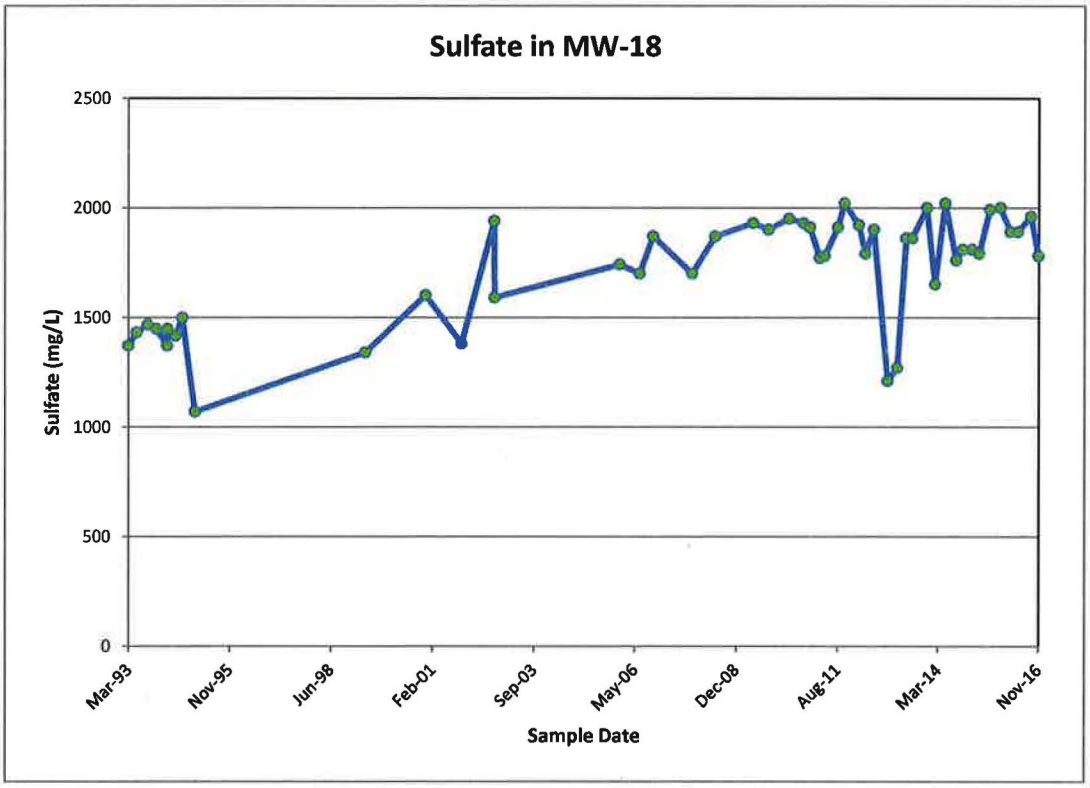


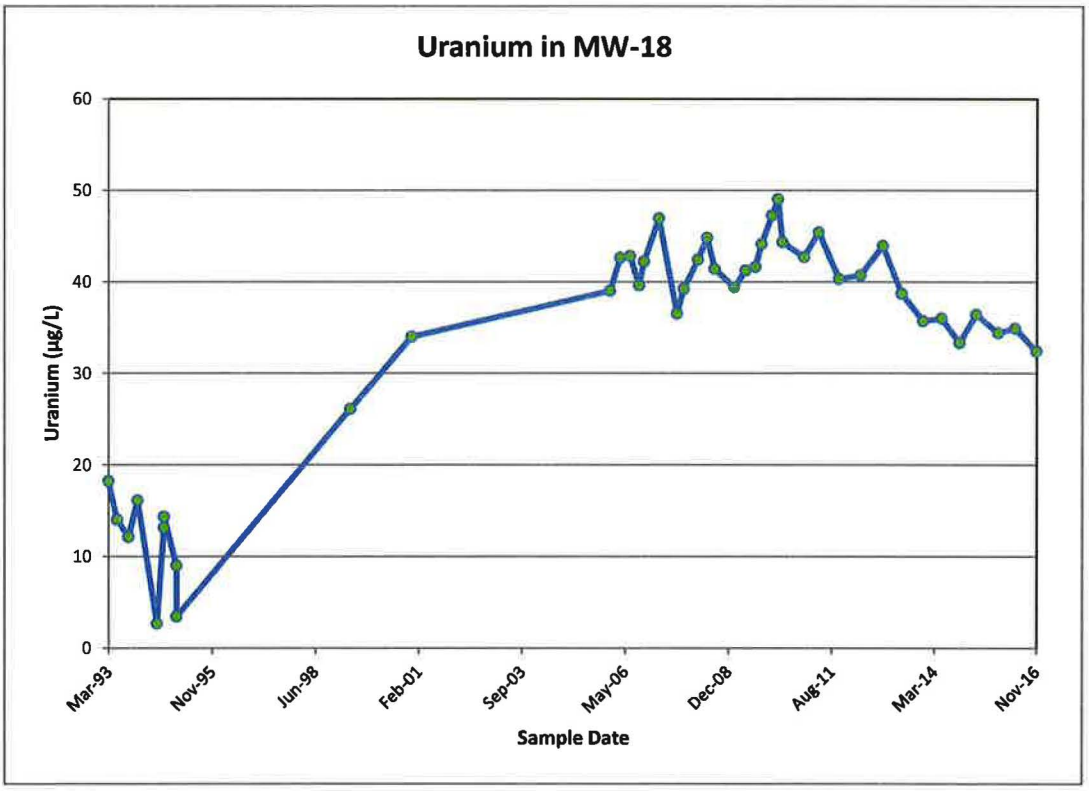
Time concentration plots for MW-18



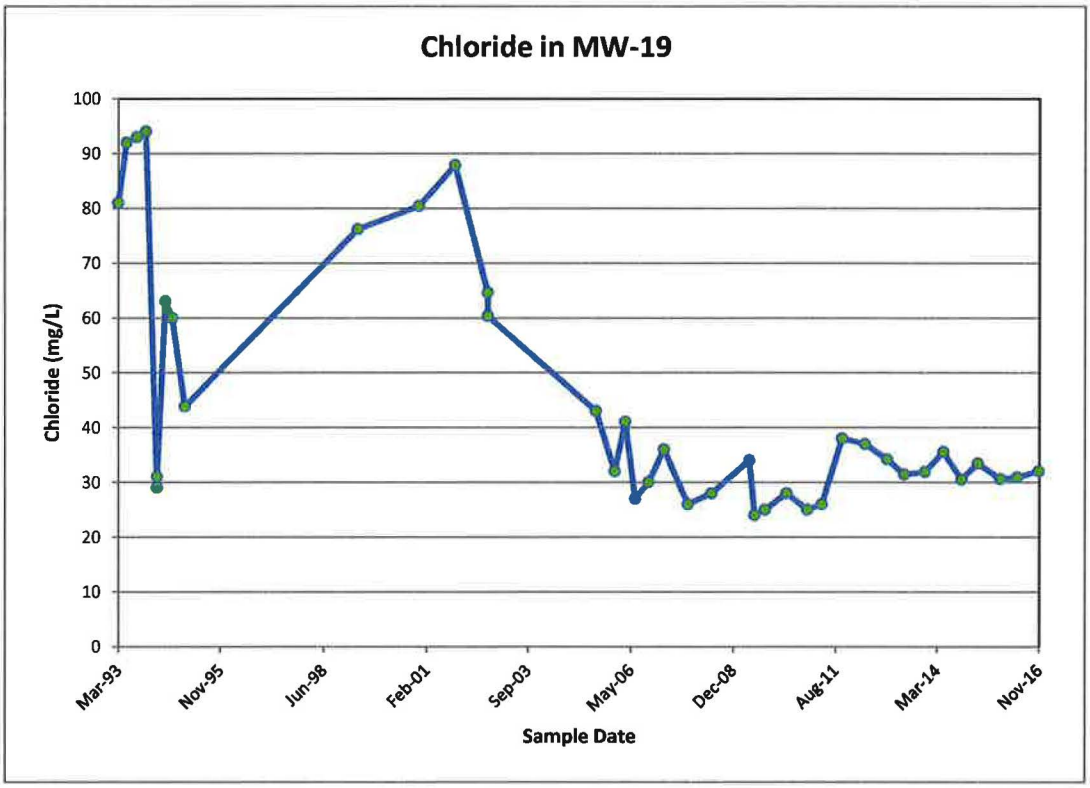


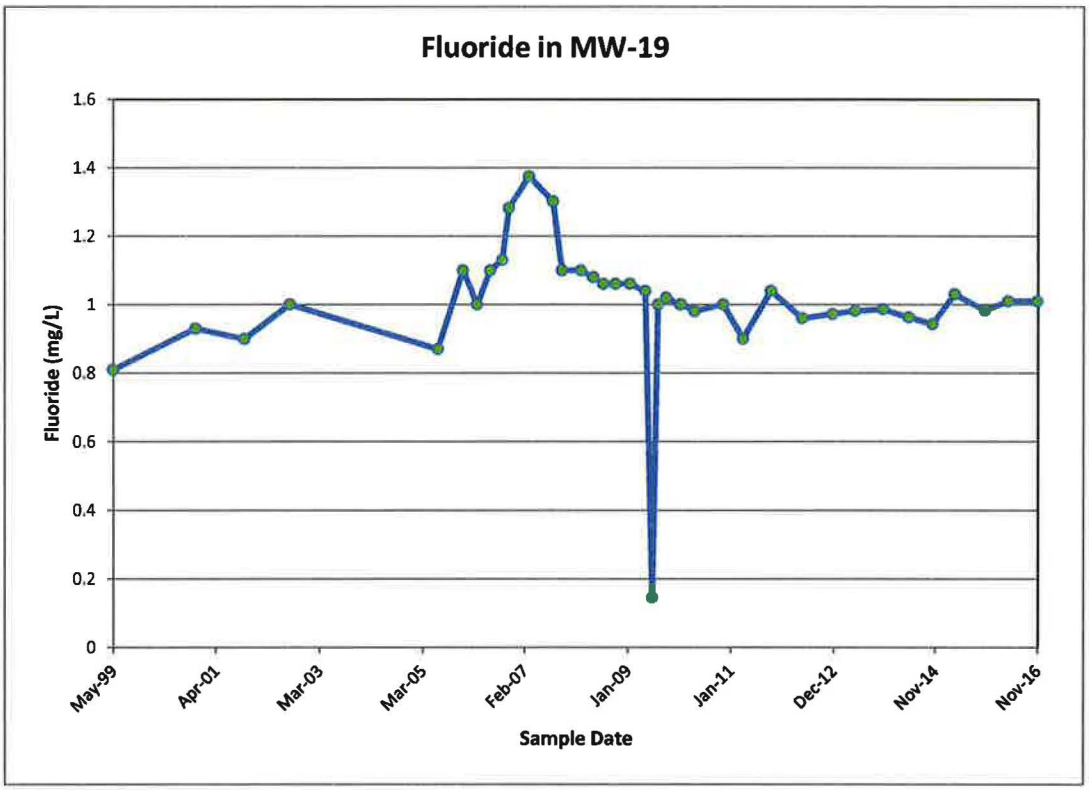
Time concentration plots for MW-18



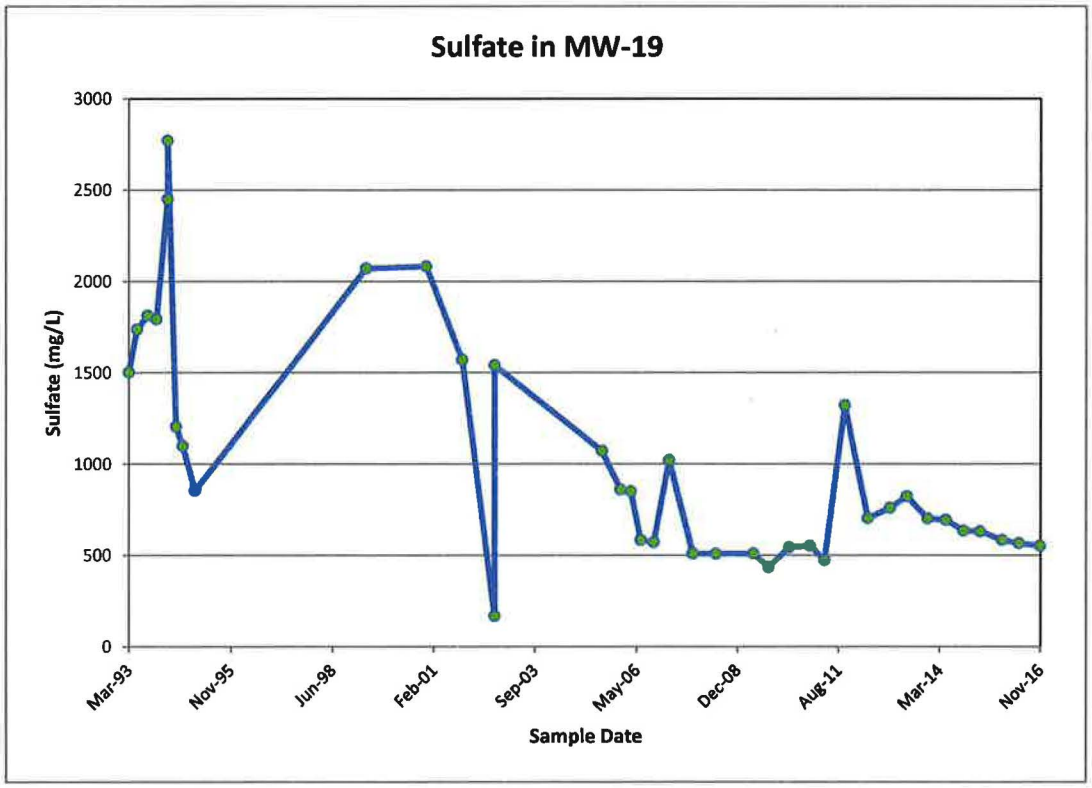


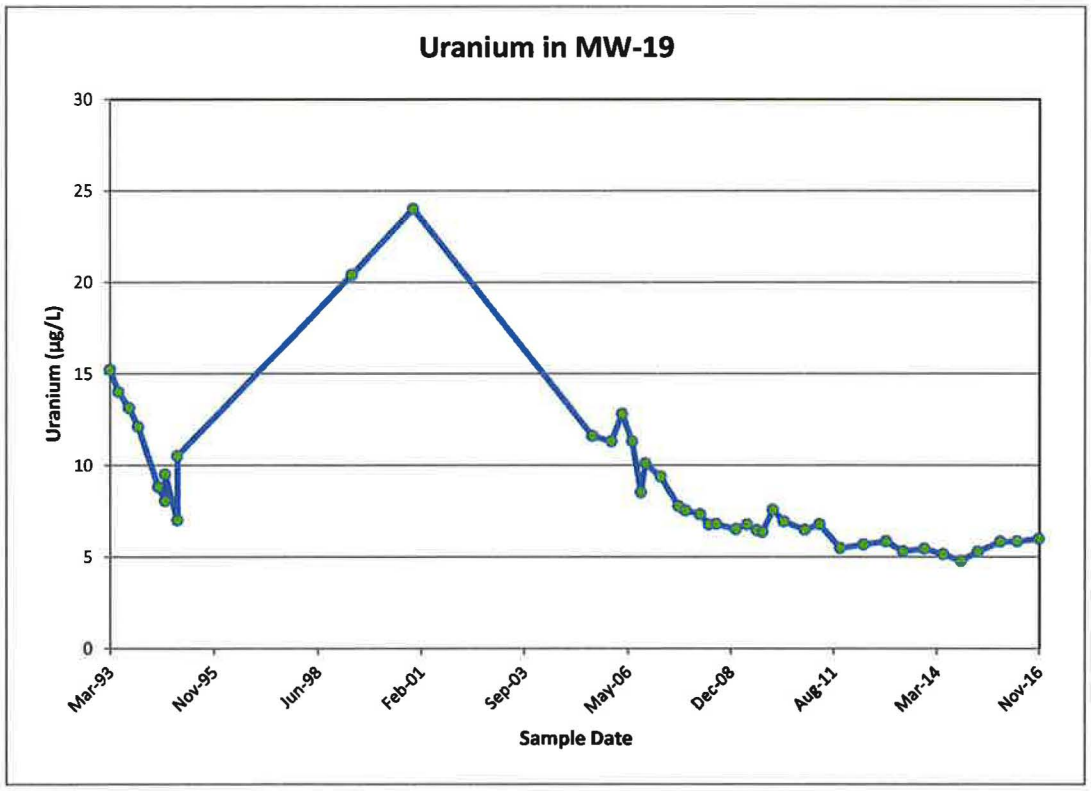
Time concentration plots for MW-19



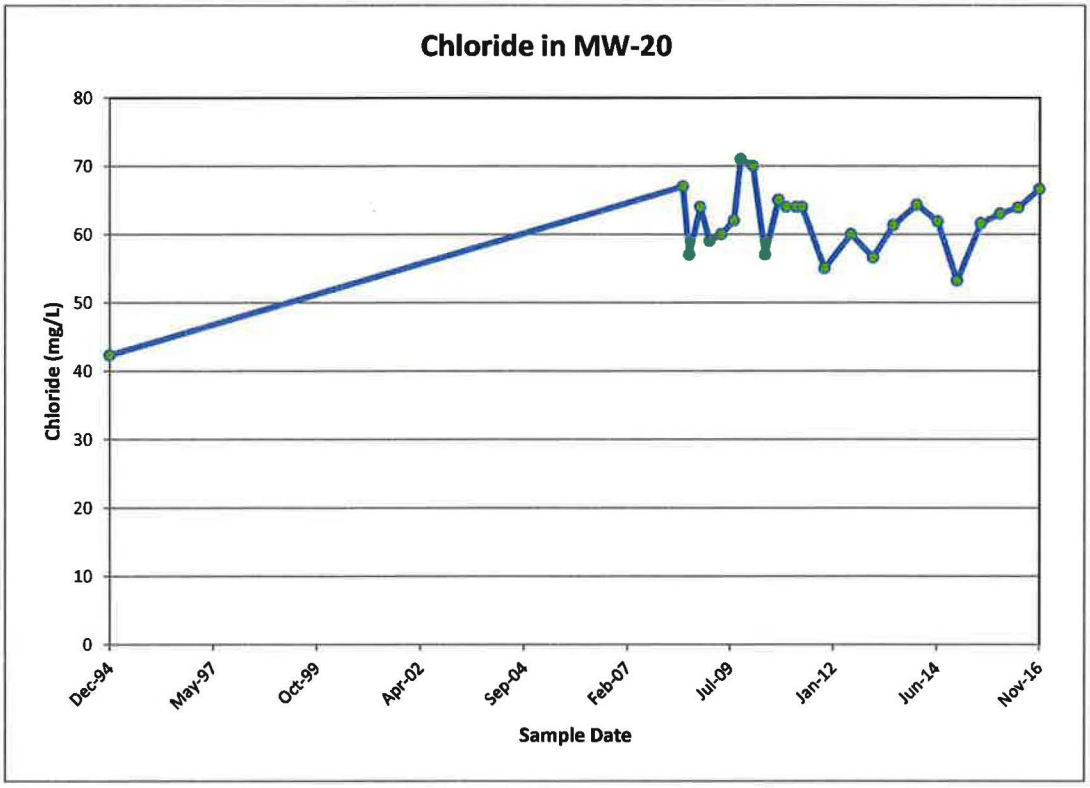


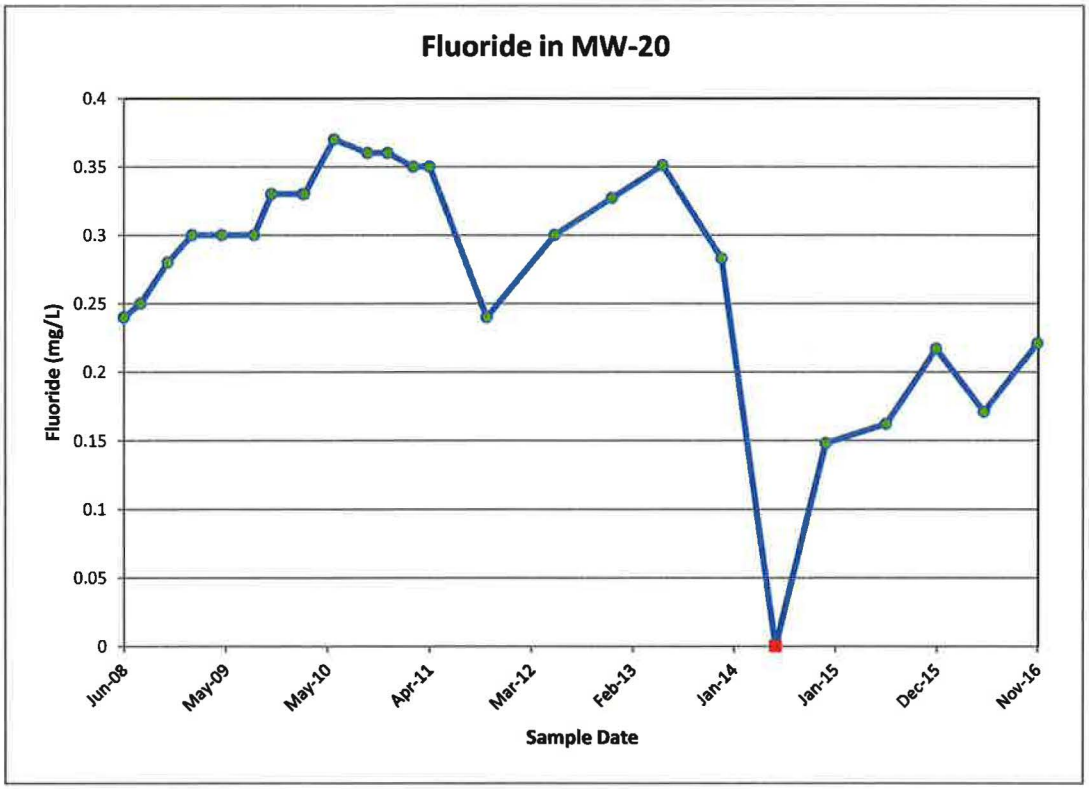
Time concentration plots for MW-19





Time concentration plots for MW-20

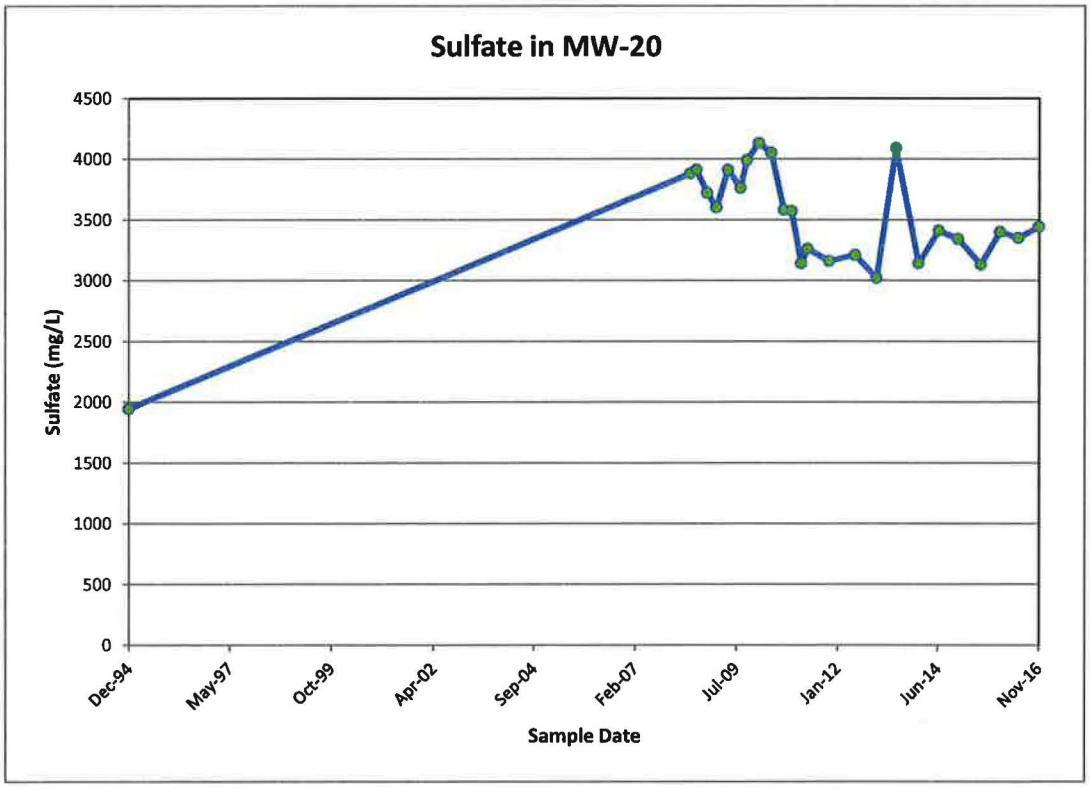


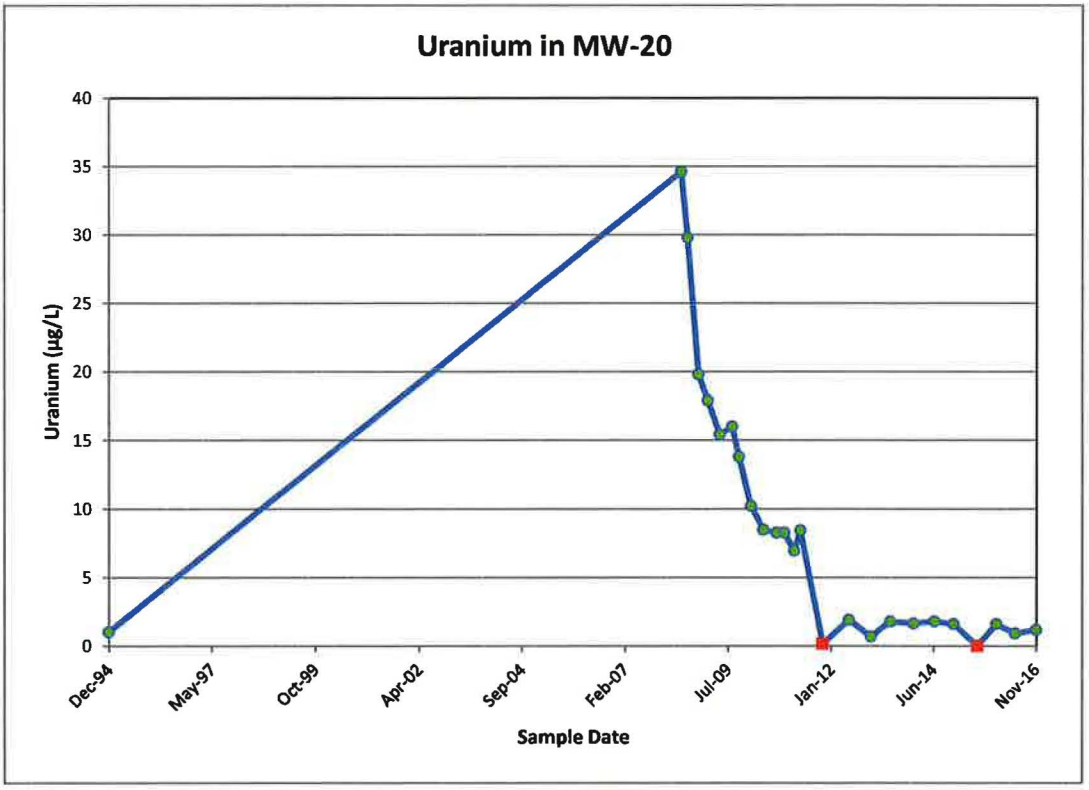


Detected Values

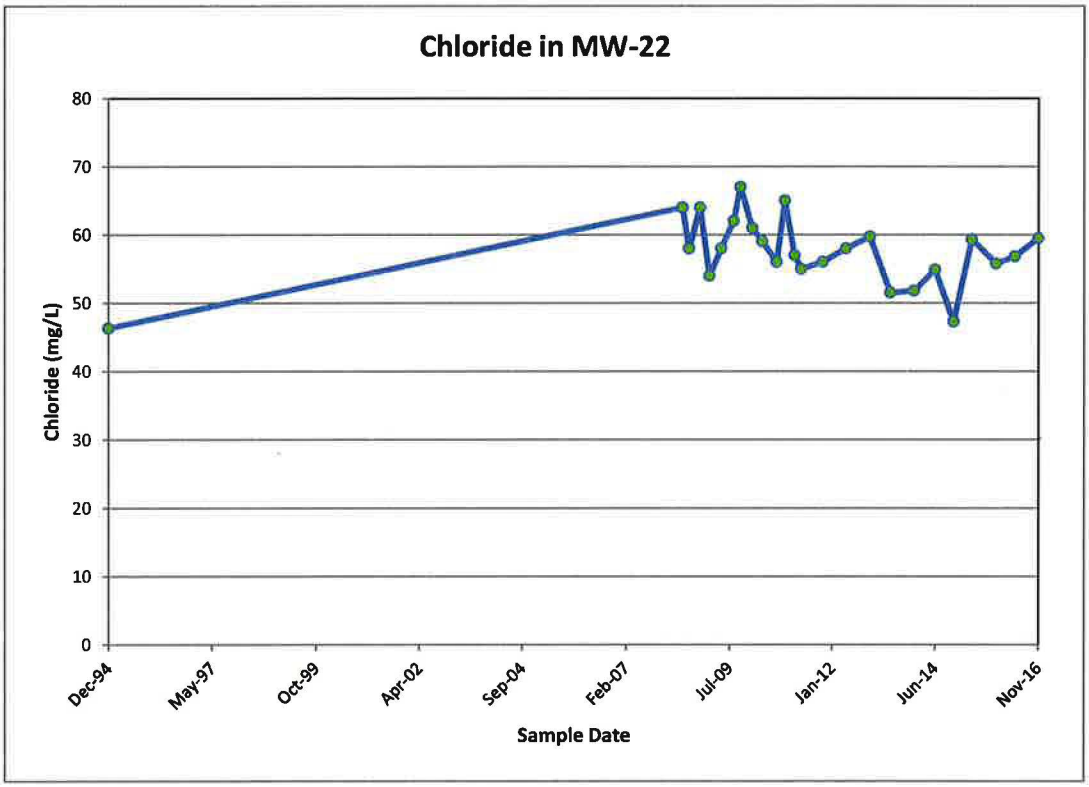
Non-Detected Values

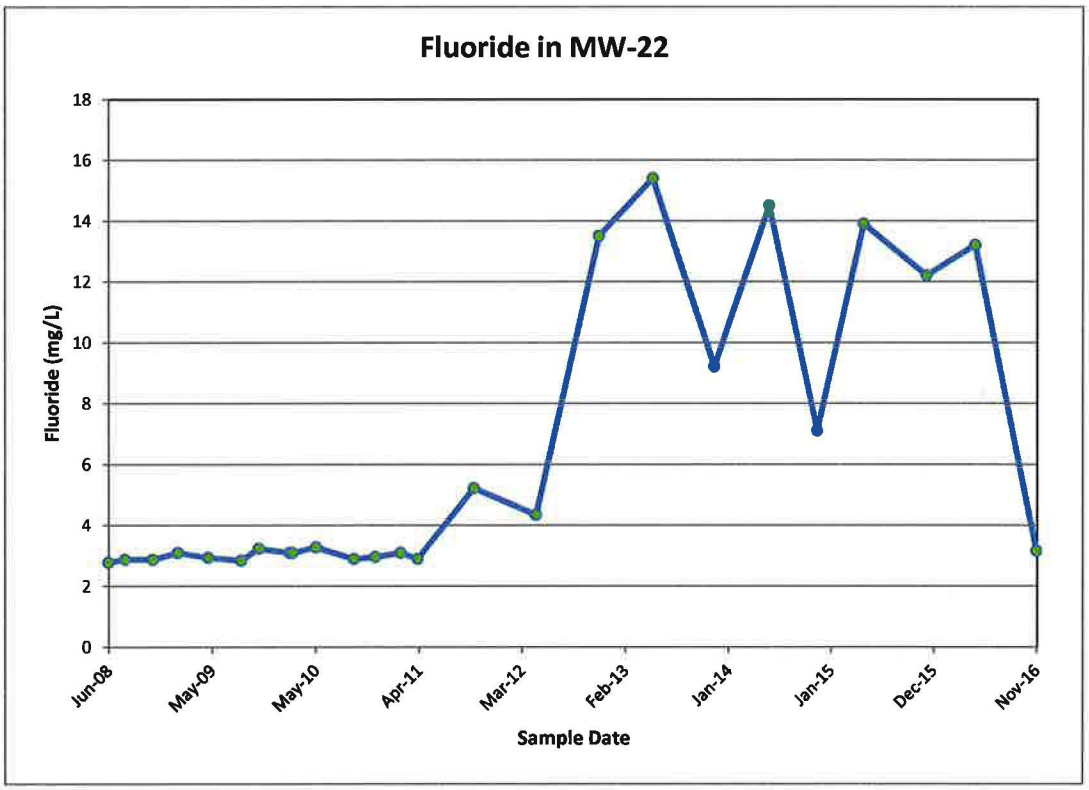
Time concentration plots for MW-20



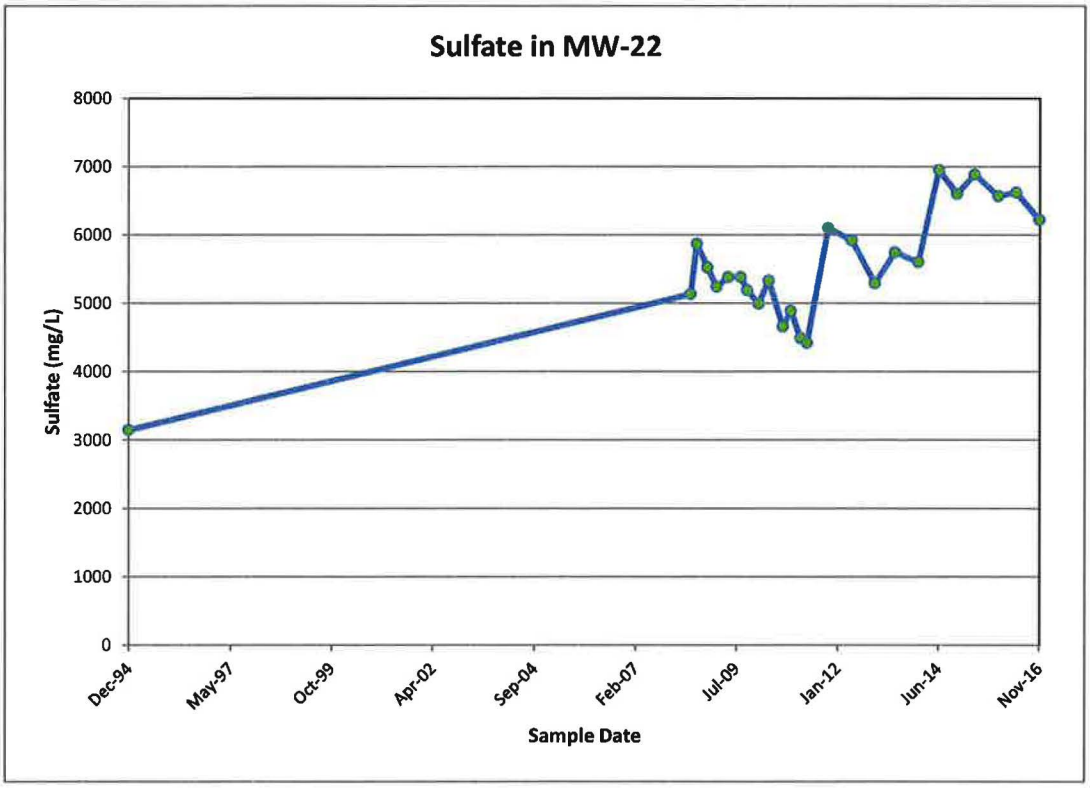


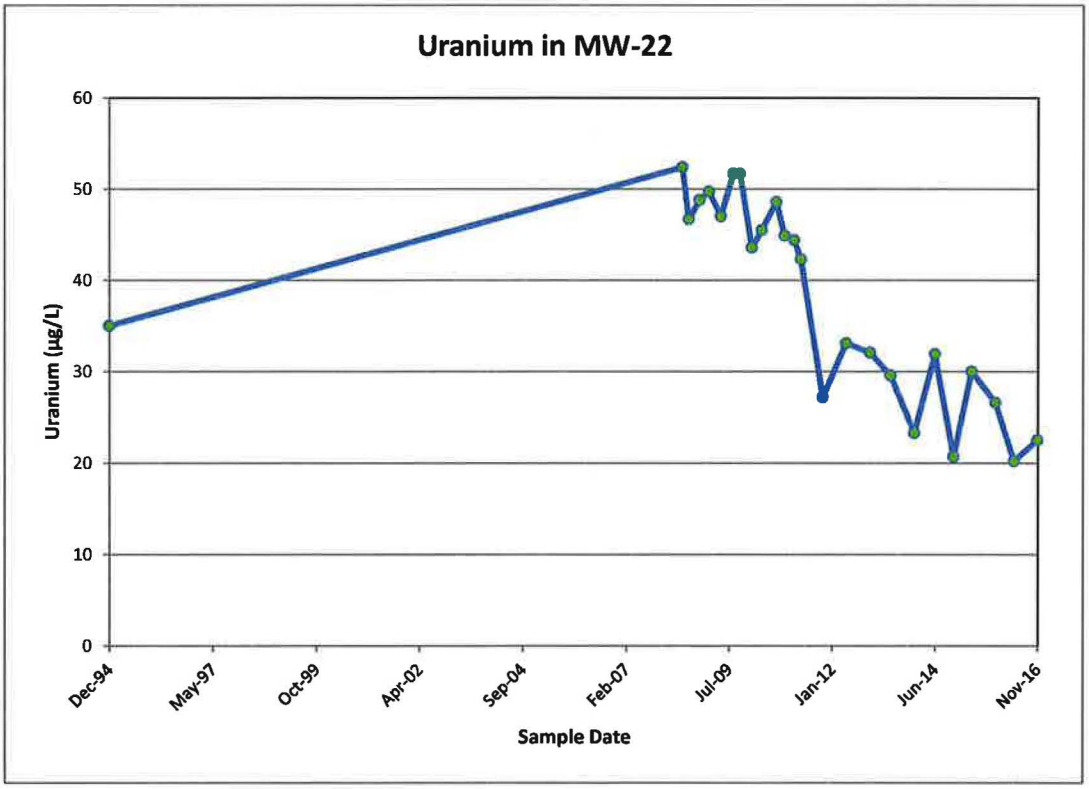
Time concentration plots for MW-22



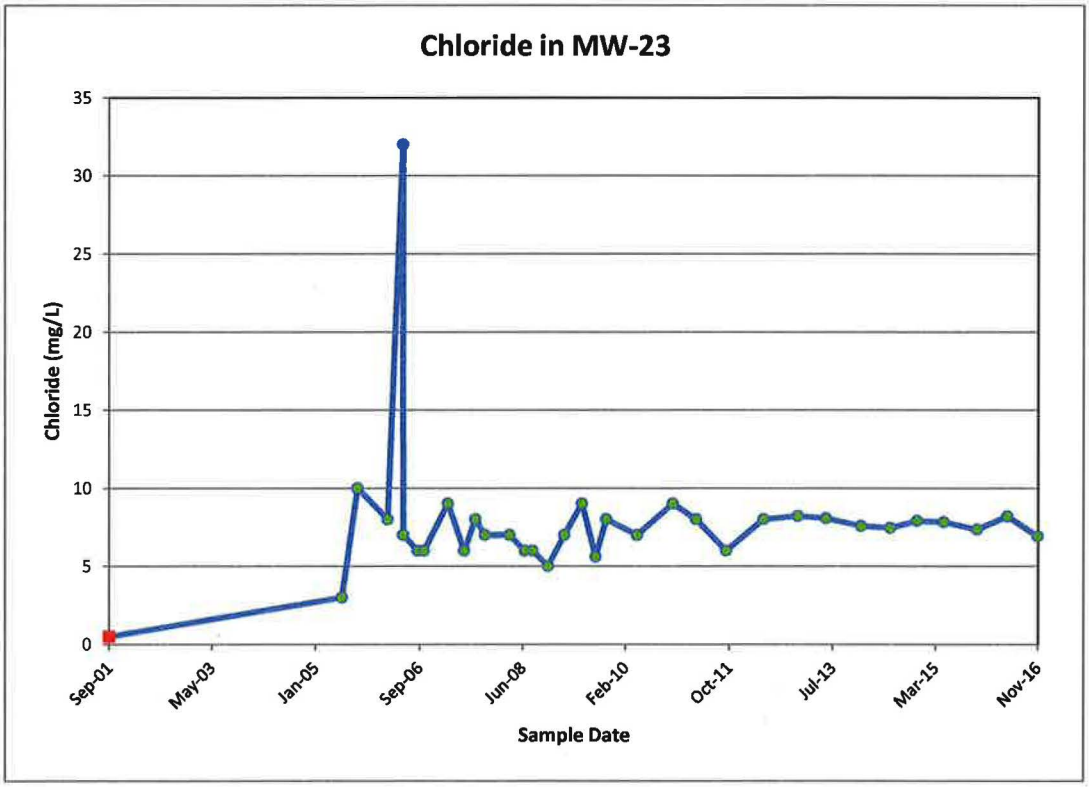


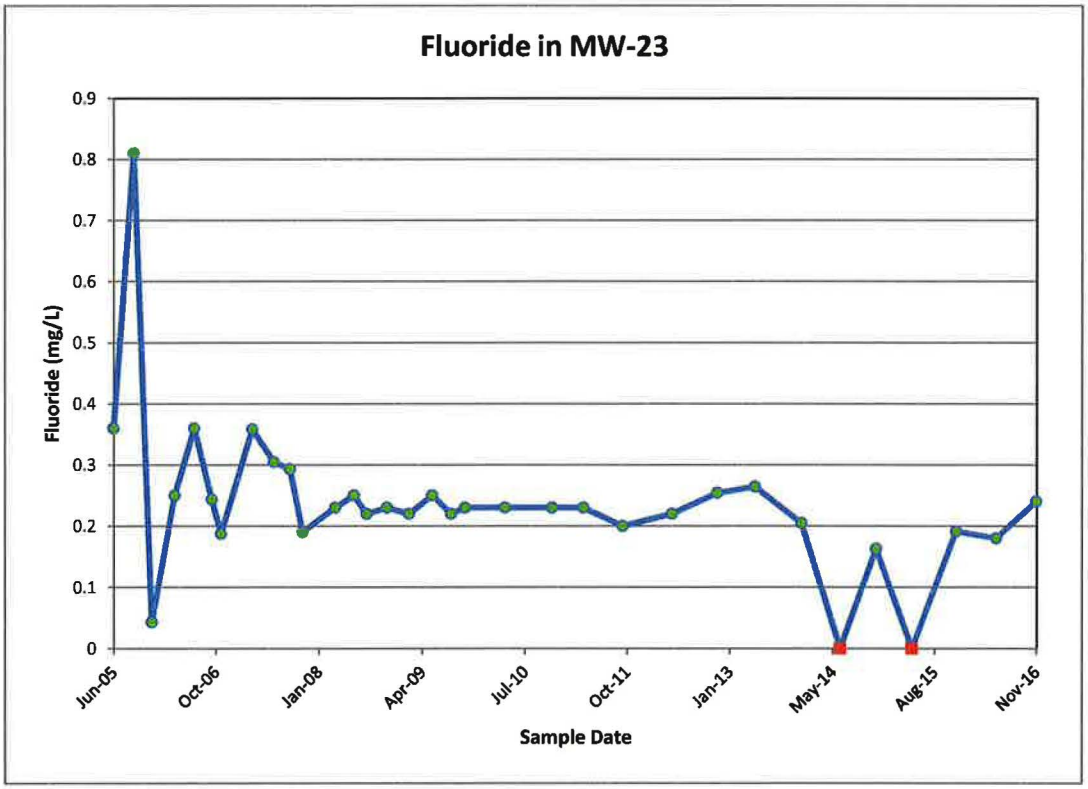
Time concentration plots for MW-22



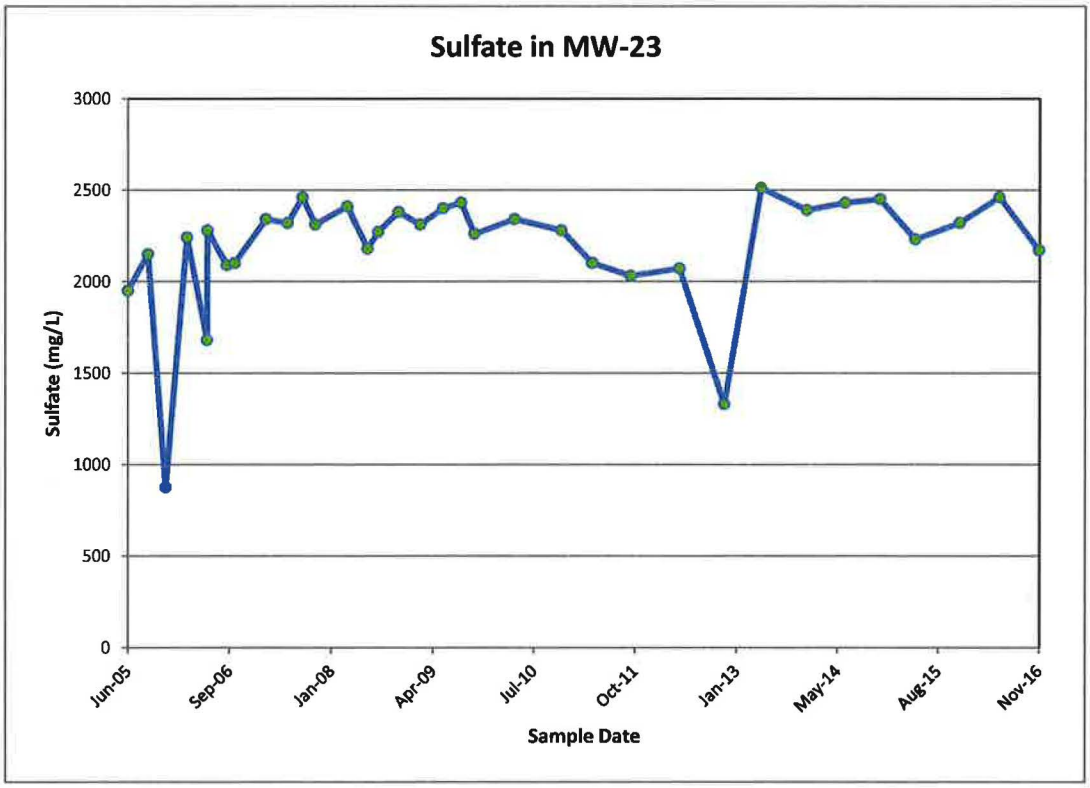


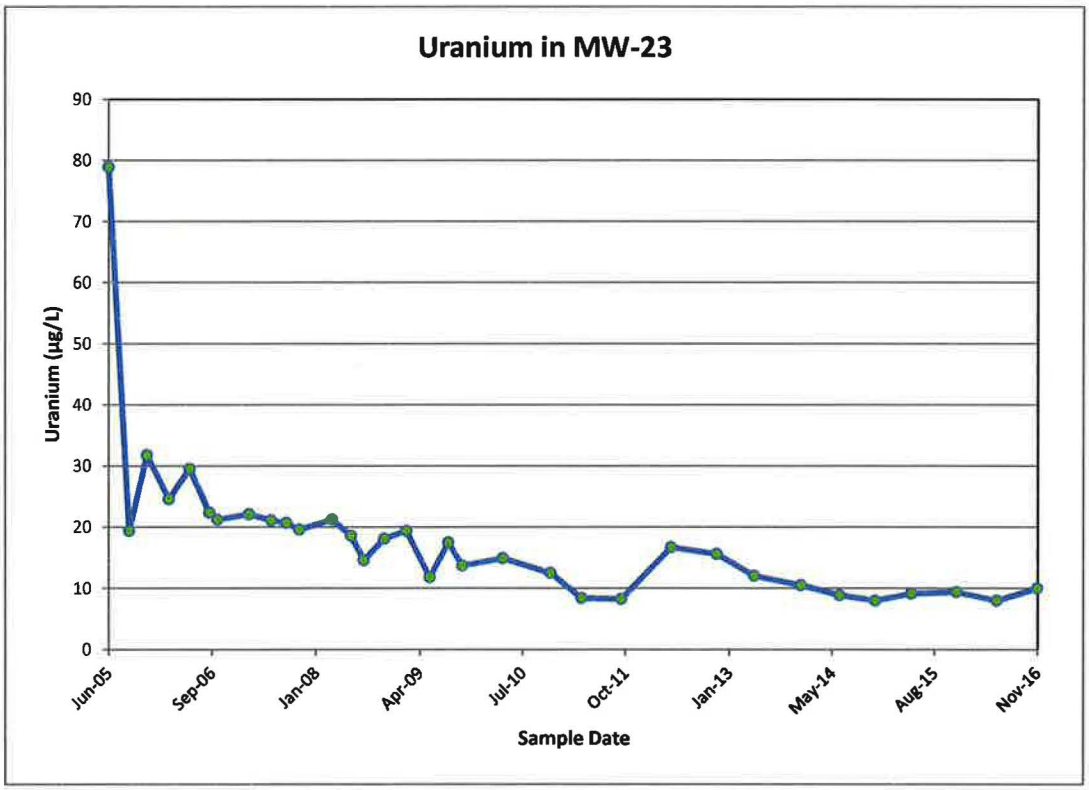
Time concentration plots for MW-23



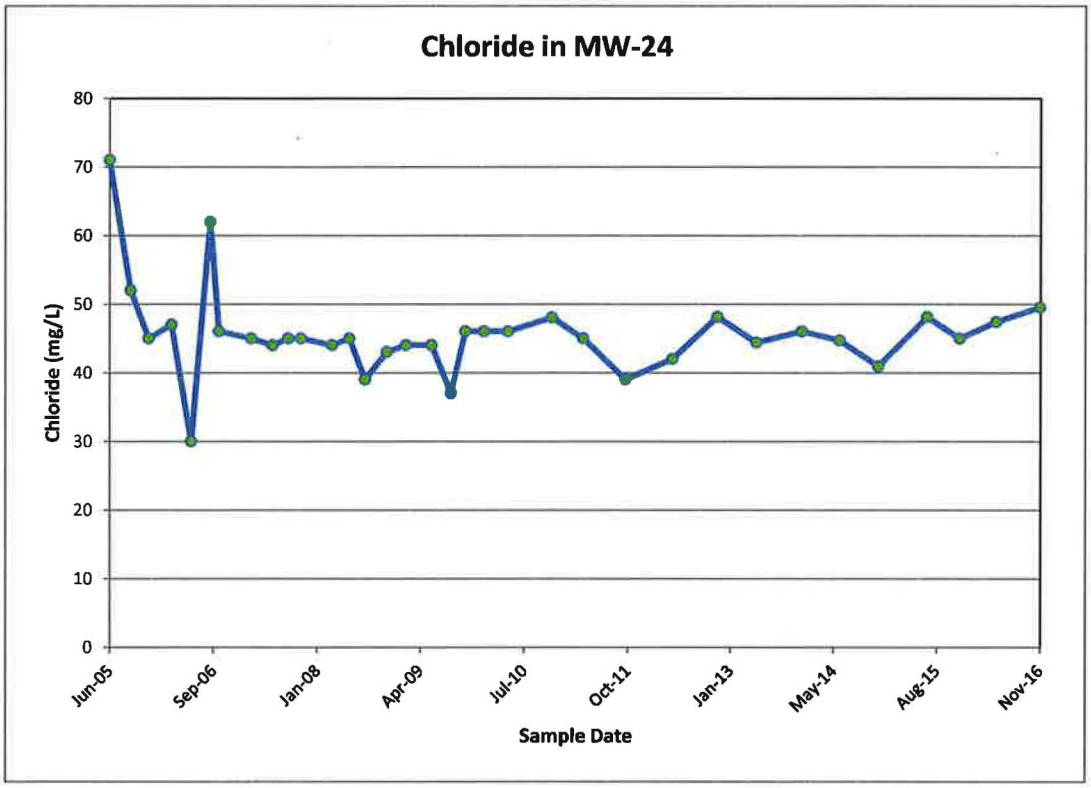


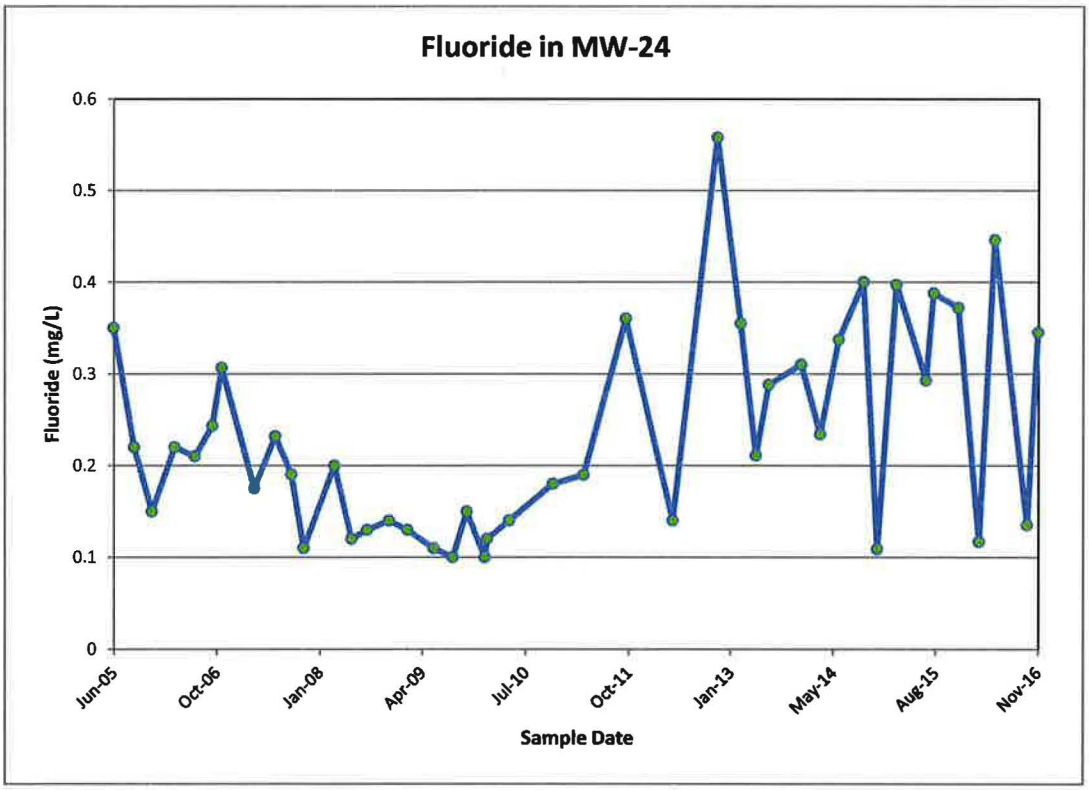
Time concentration plots for MW-23



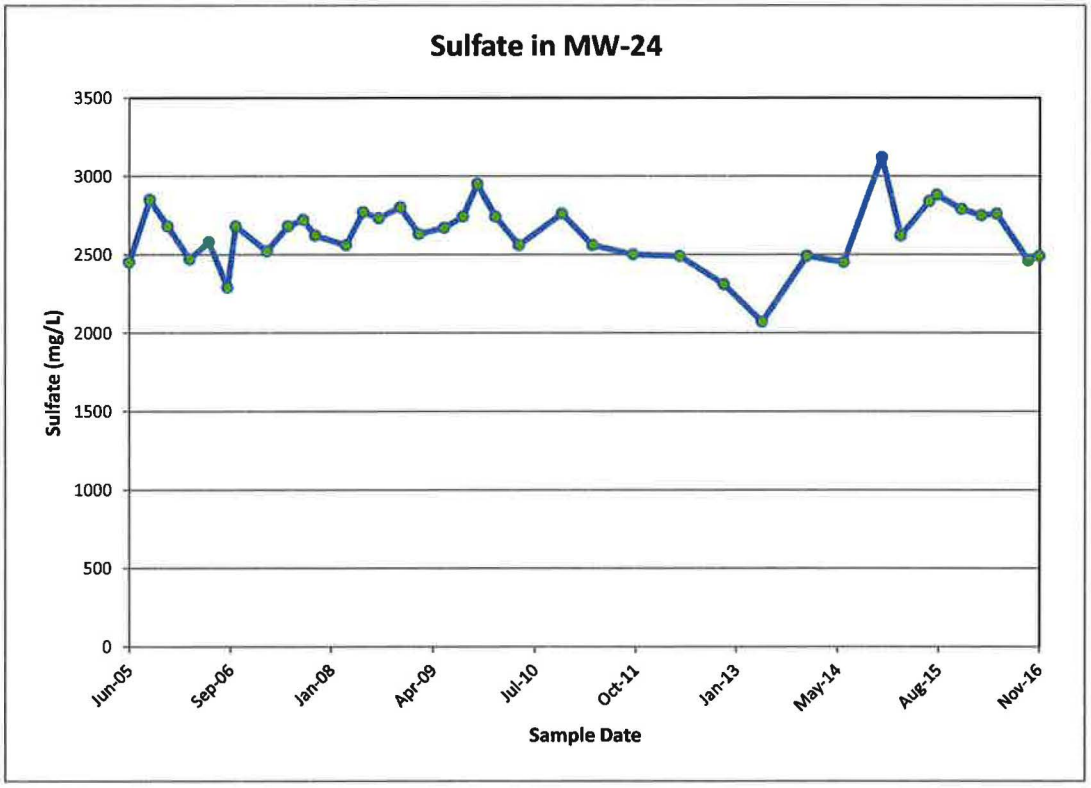


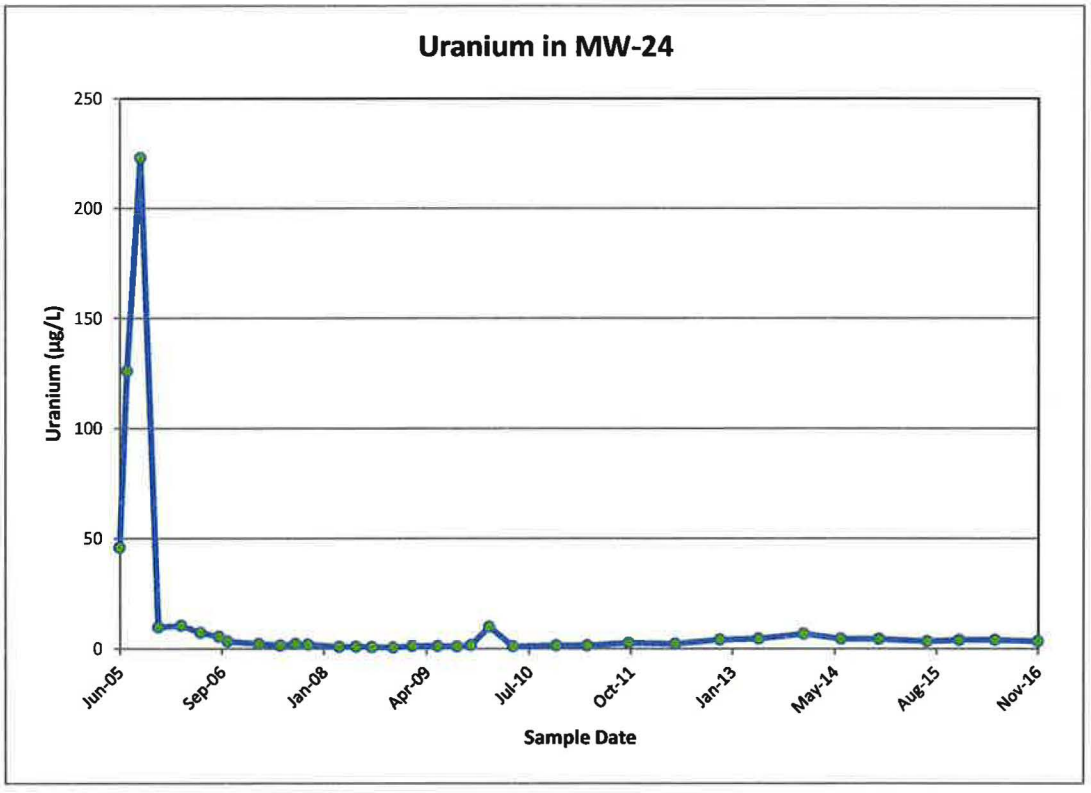
Time concentration plots for MW-24



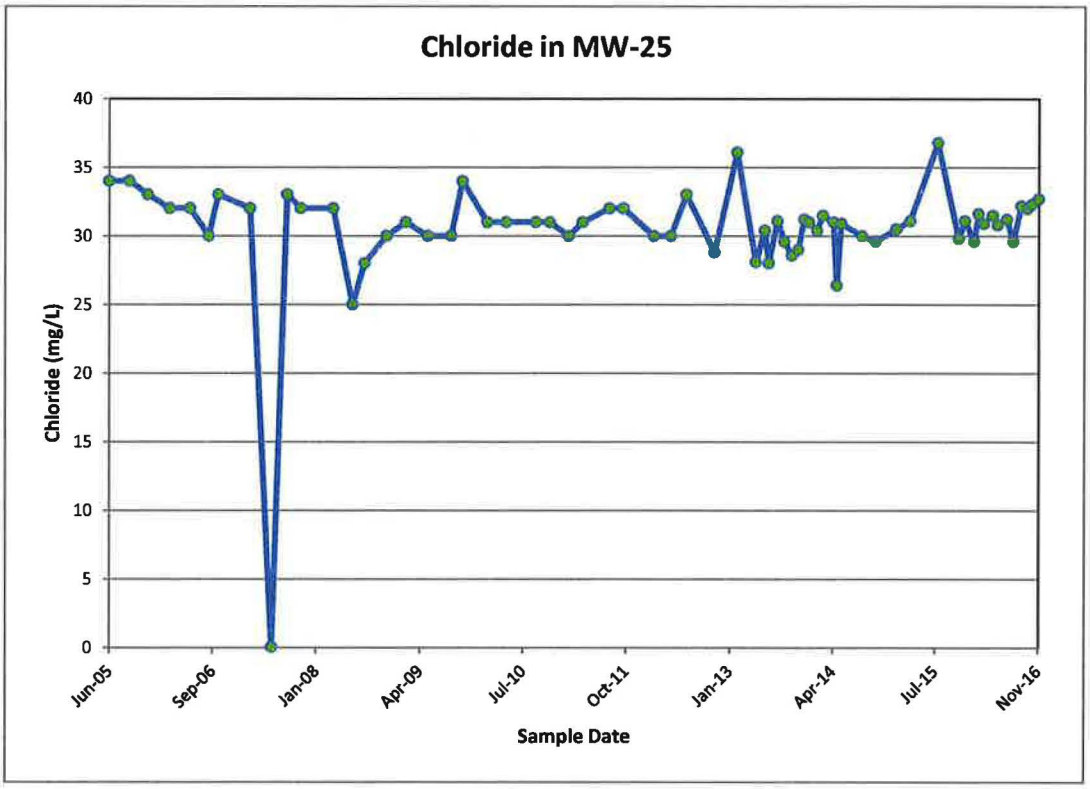


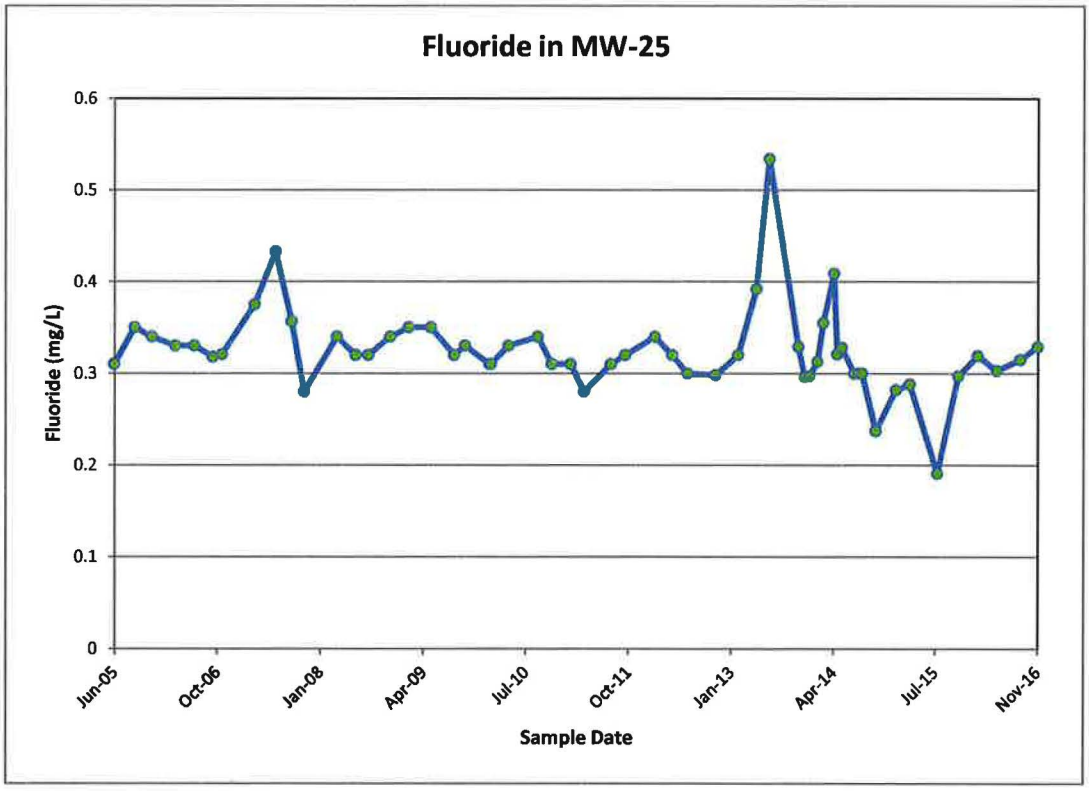
Time concentration plots for MW-24



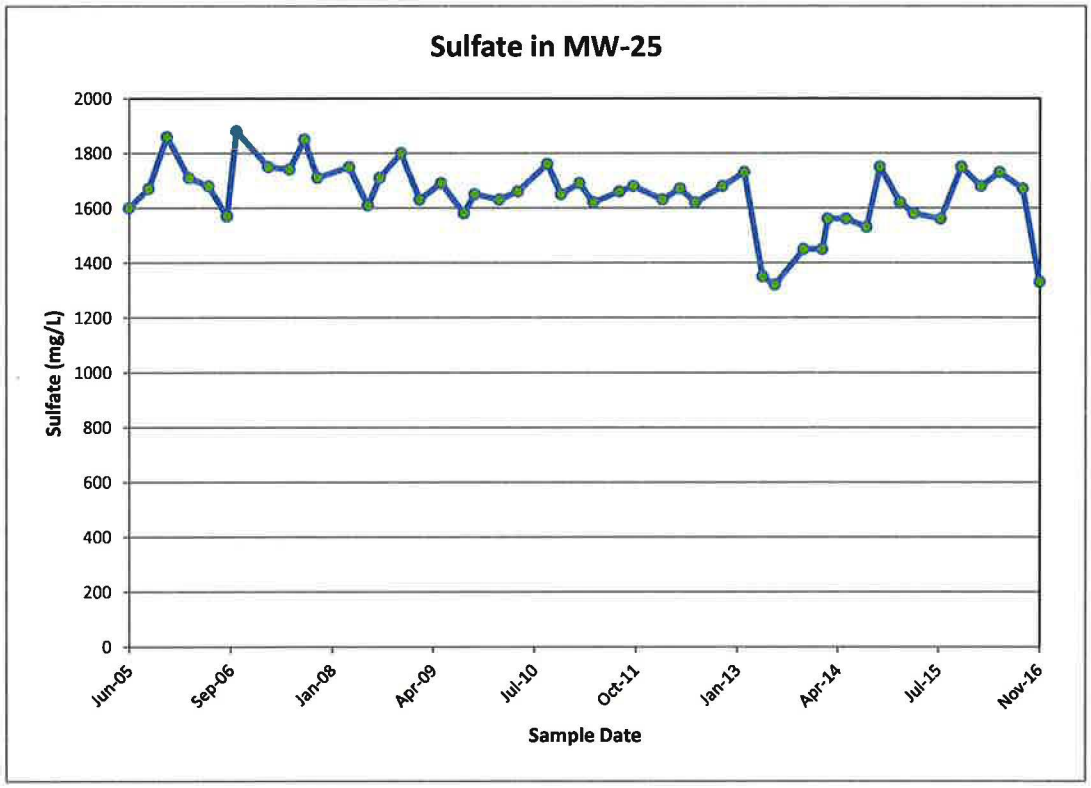


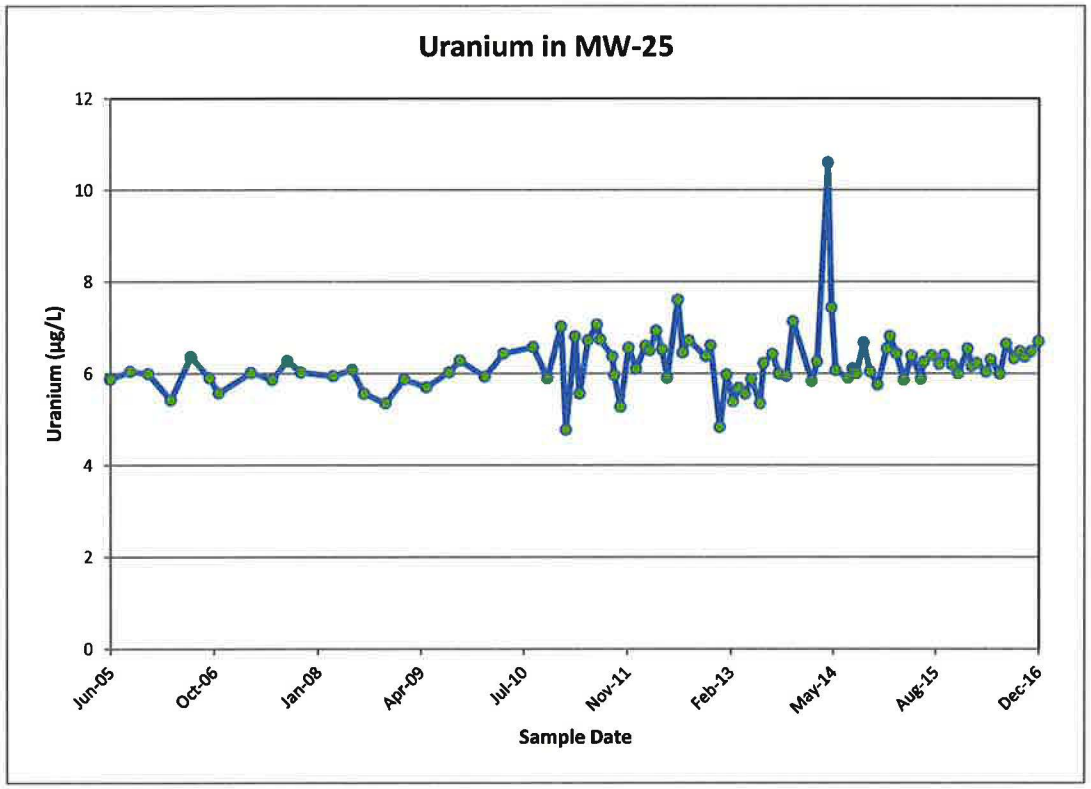
Time concentration plots for MW-25



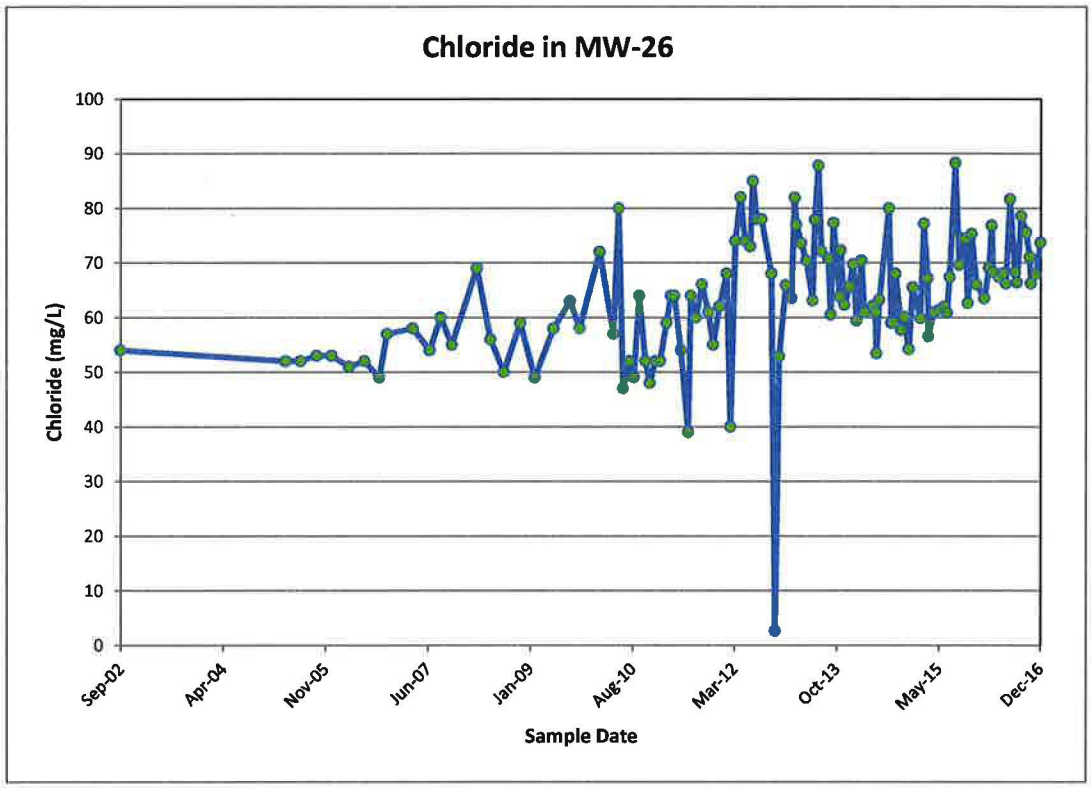


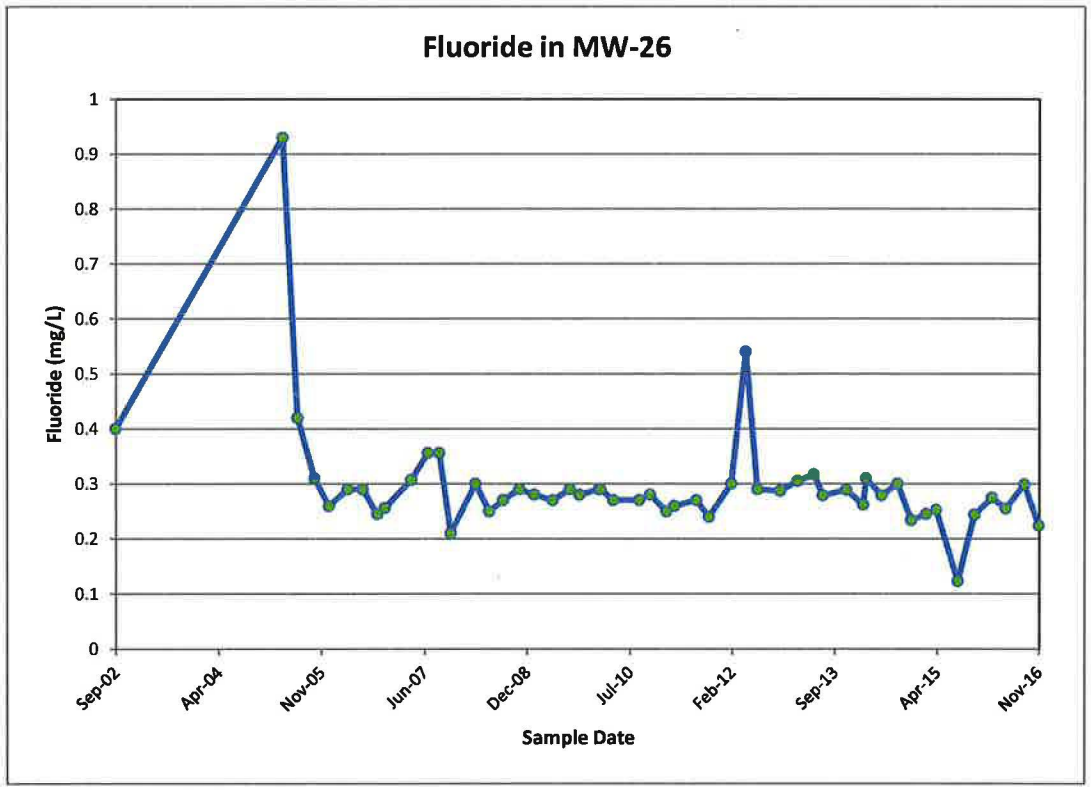
Time concentration plots for MW-25



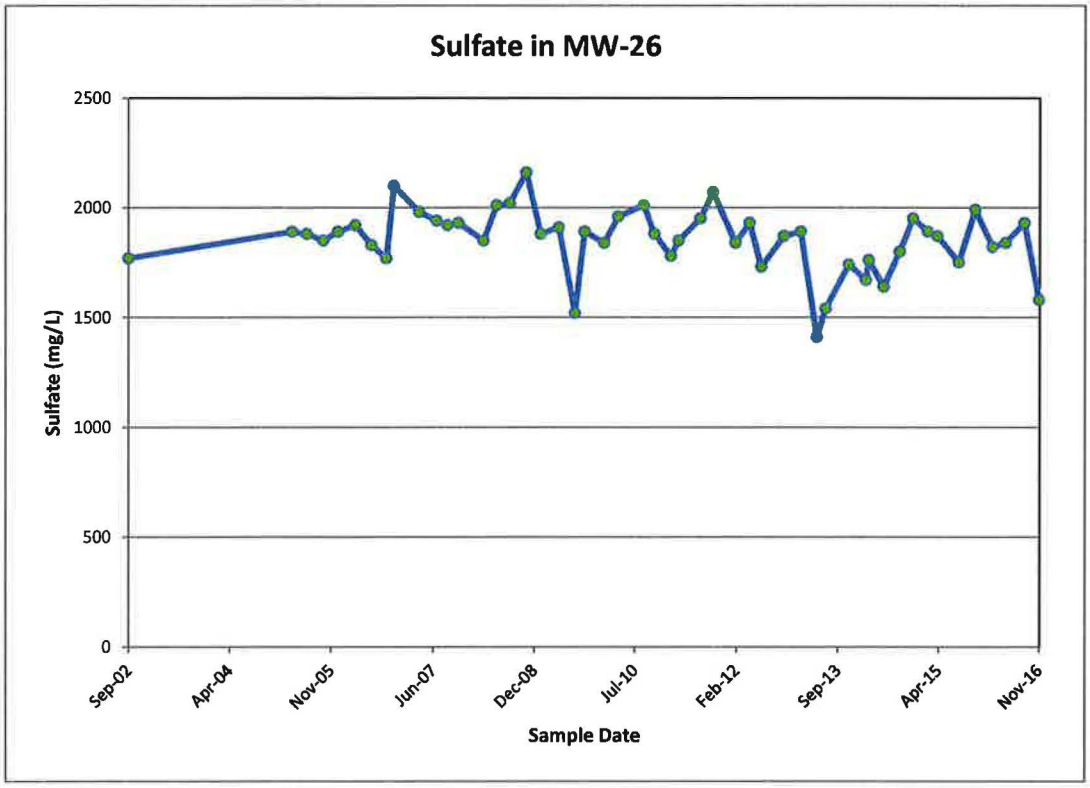


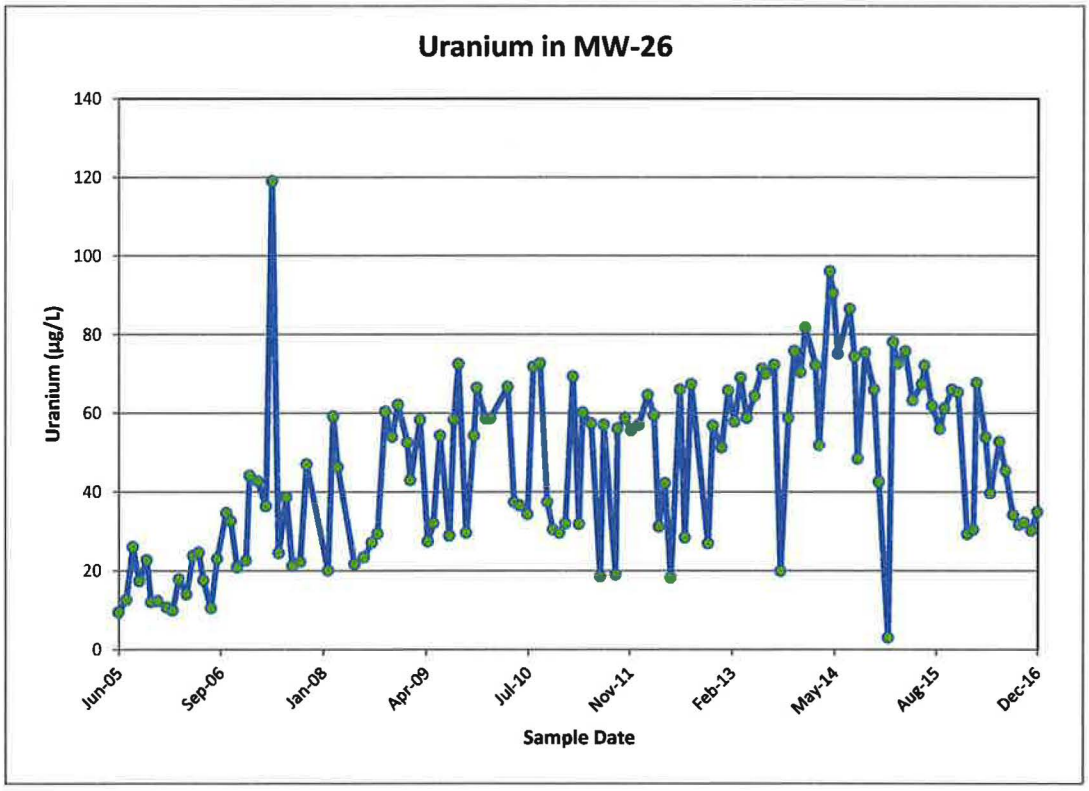
Time concentration plots for MW-26



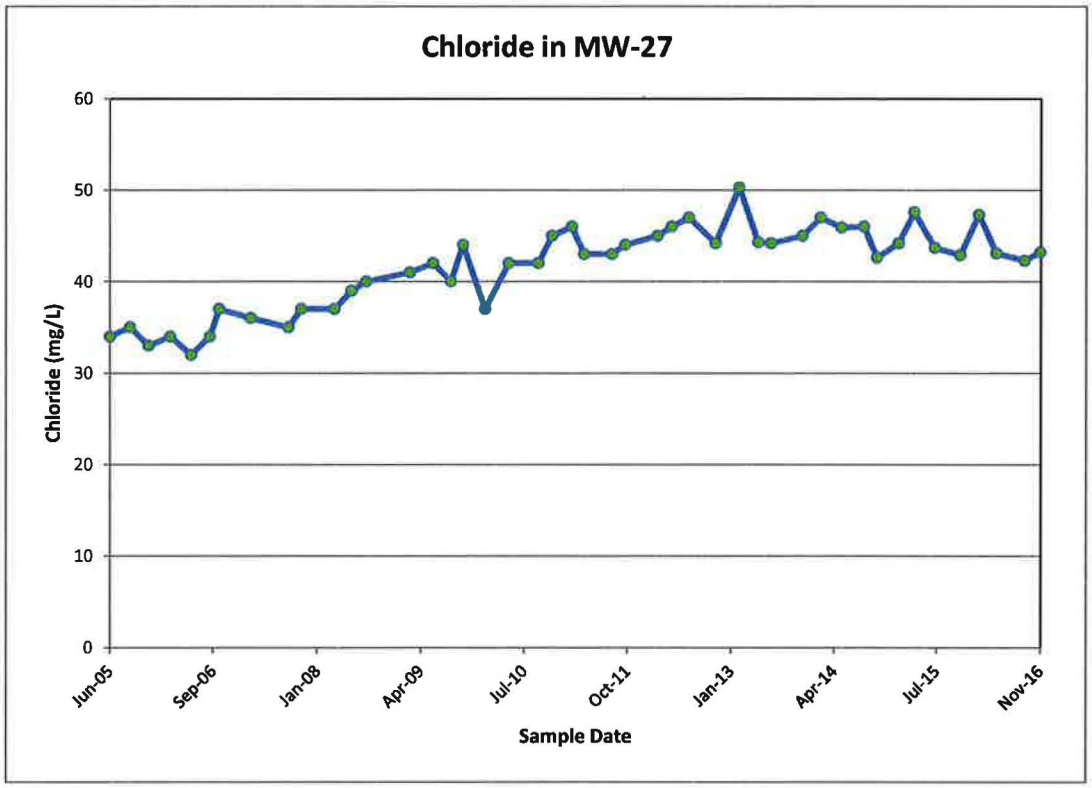


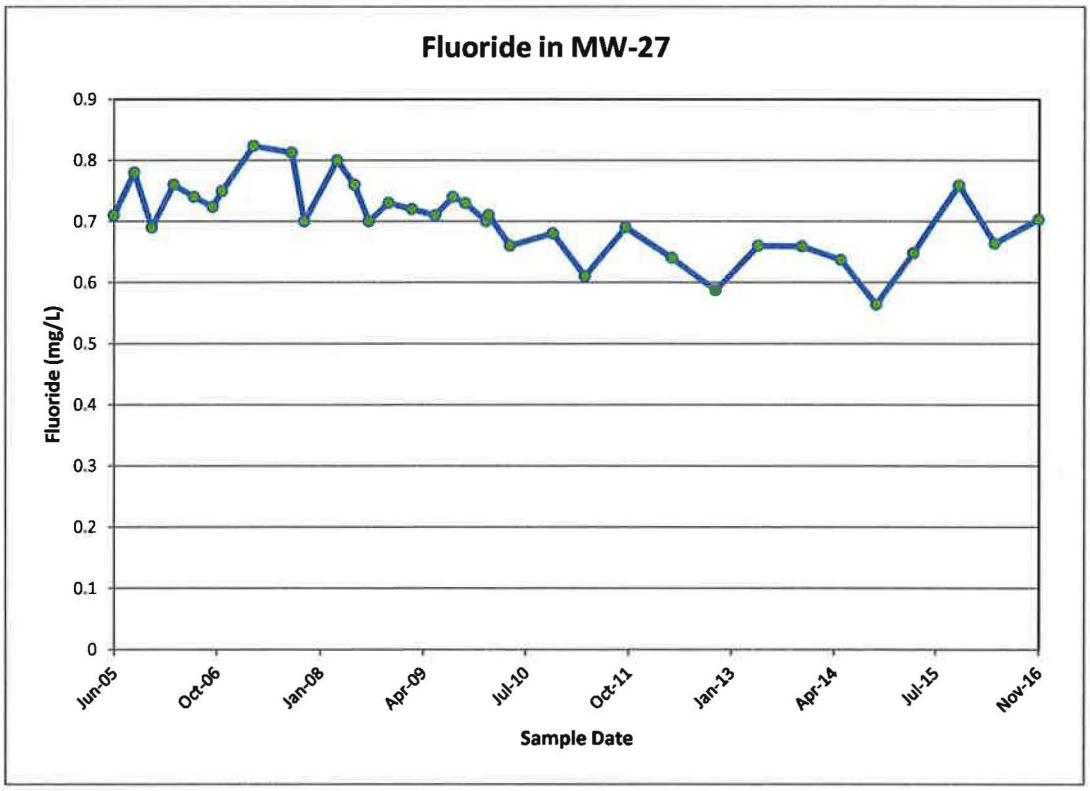
Time concentration plots for MW-26



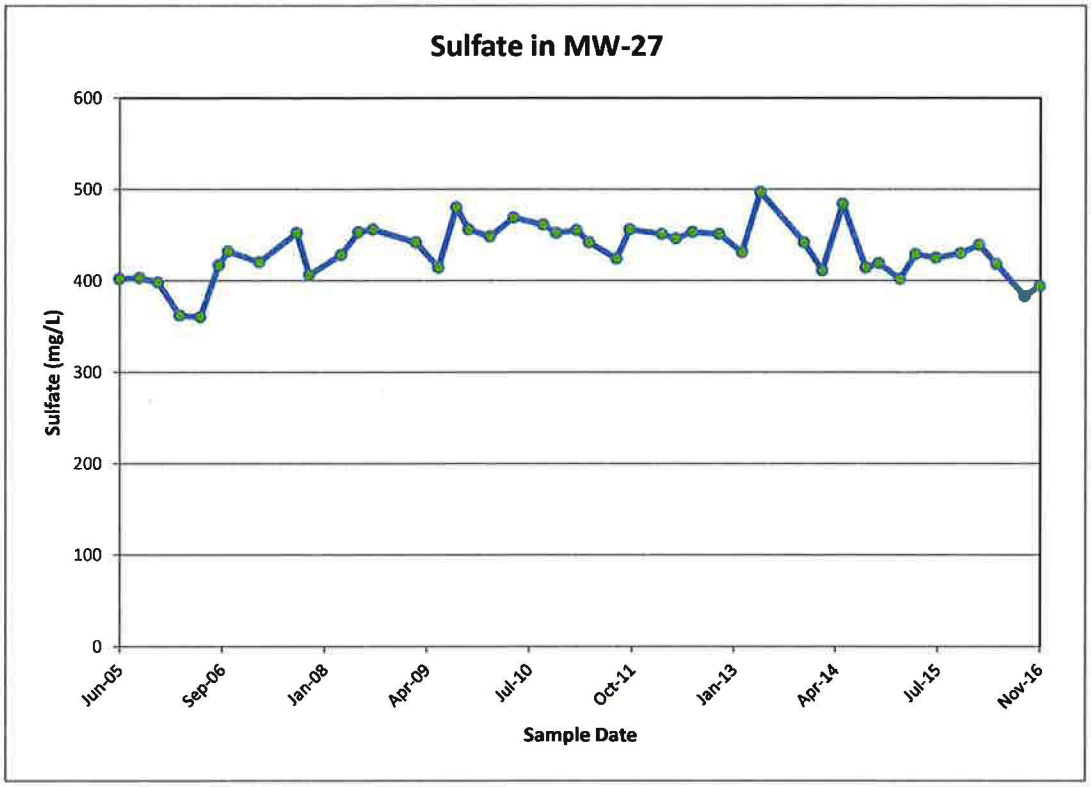


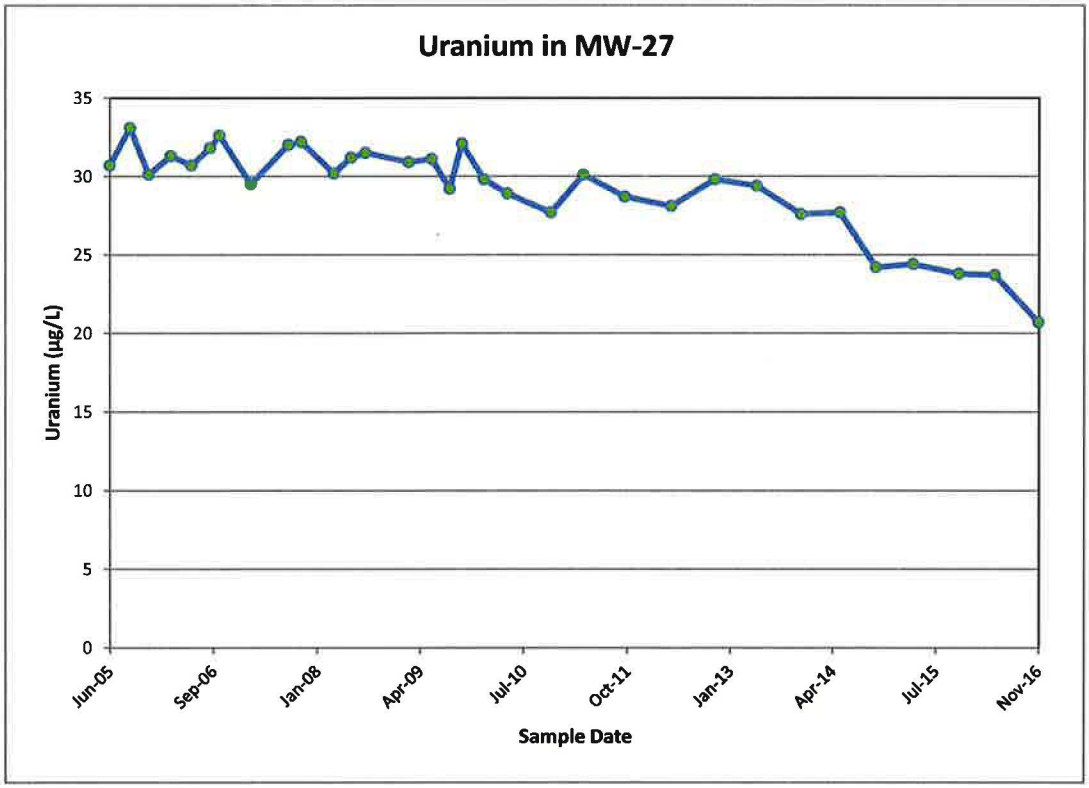
Time concentration plots for MW-27



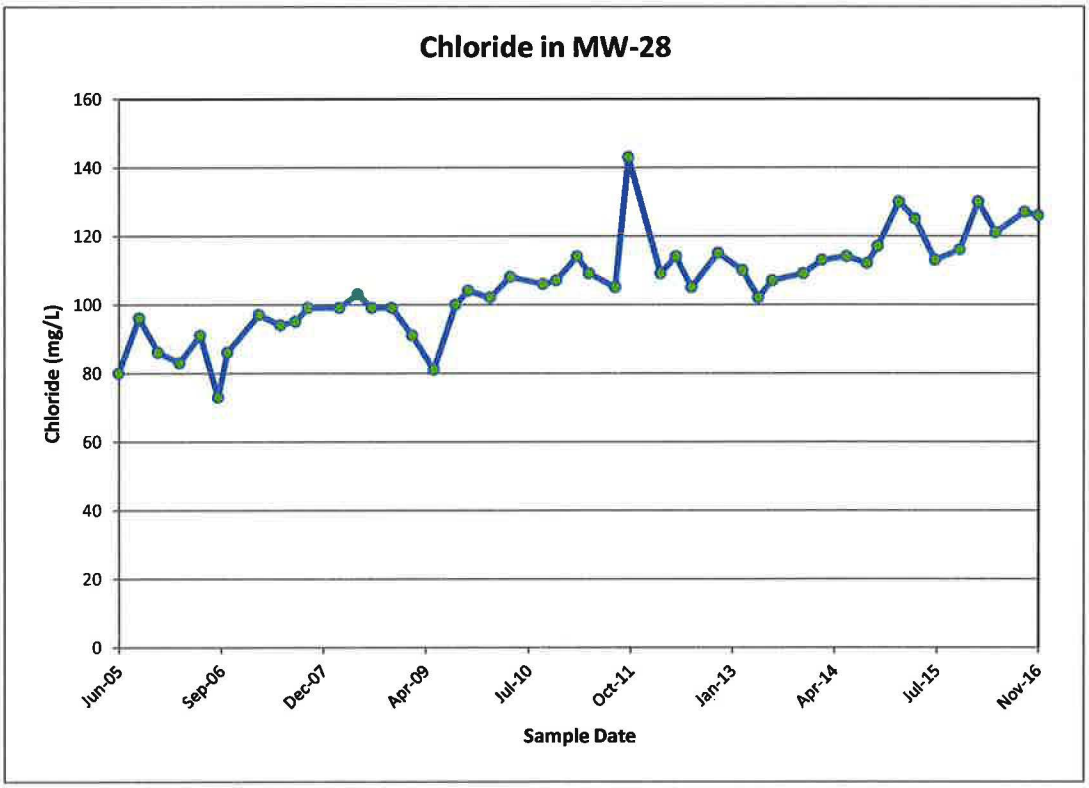


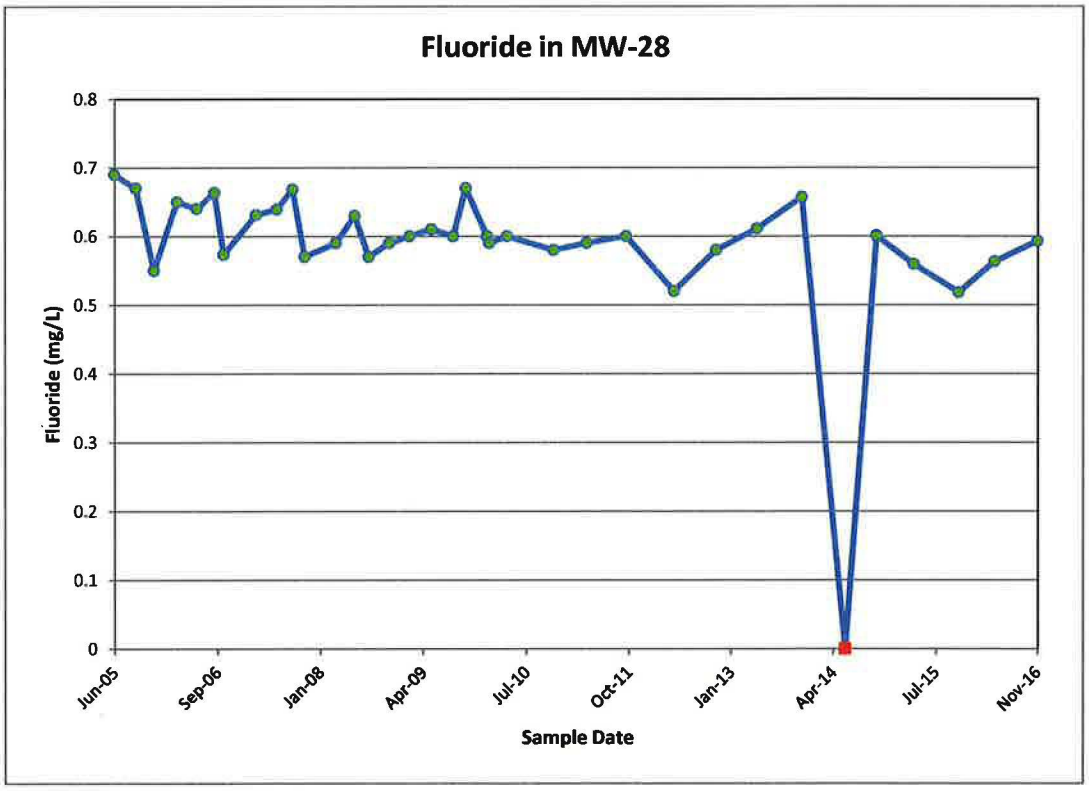
Time concentration plots for MW-27



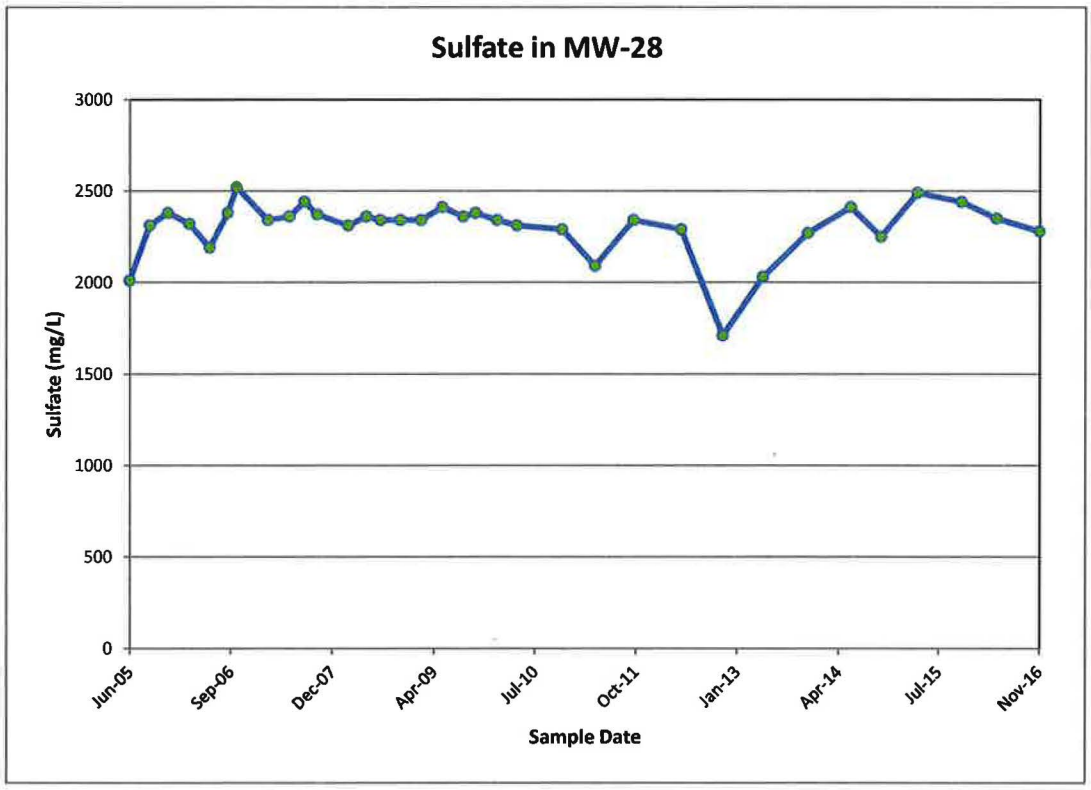


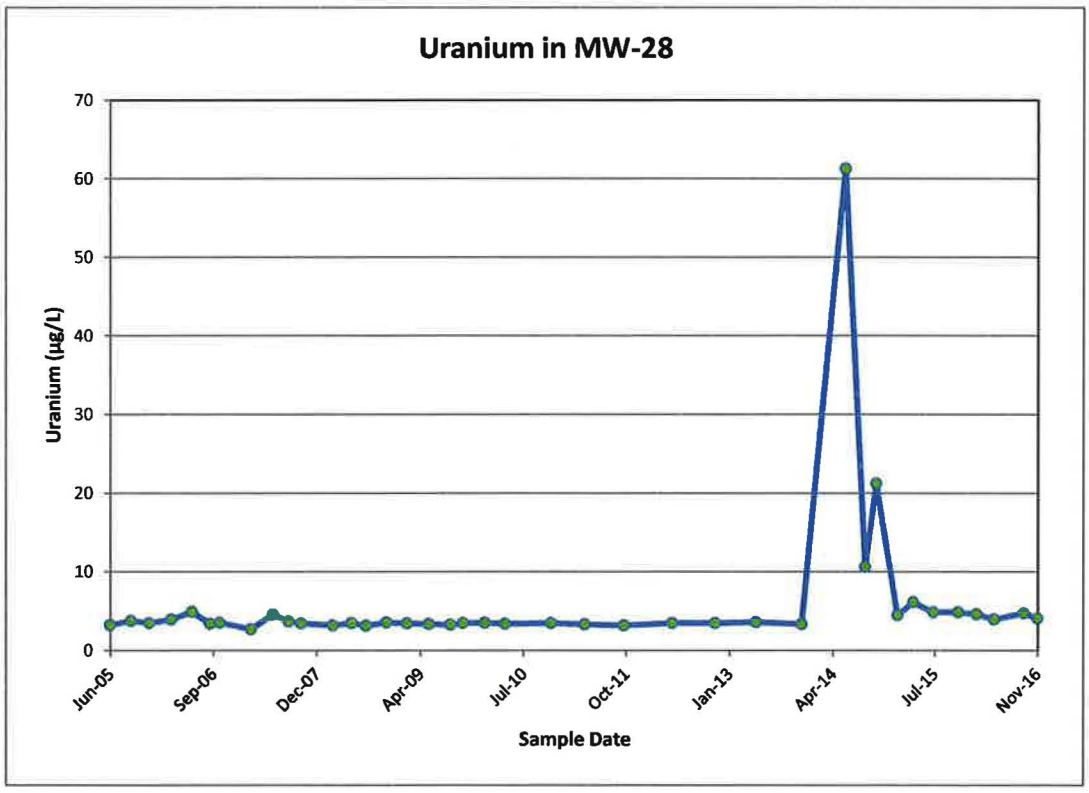
Time concentration plots for MW-28



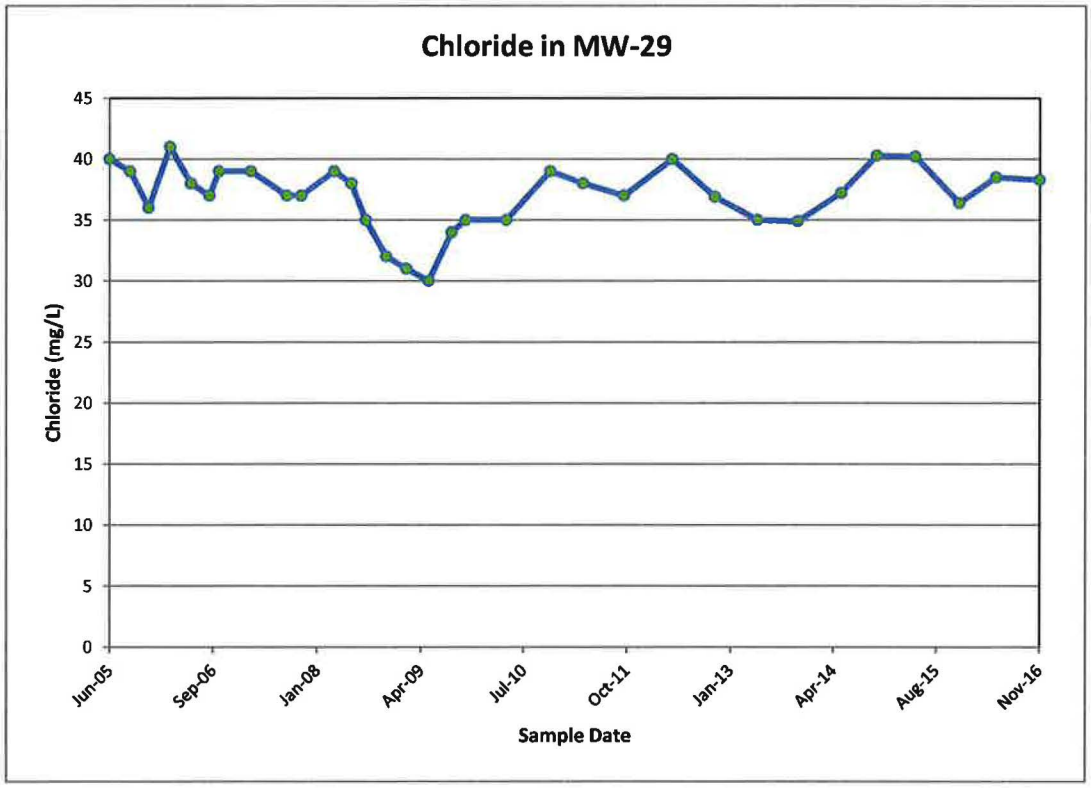


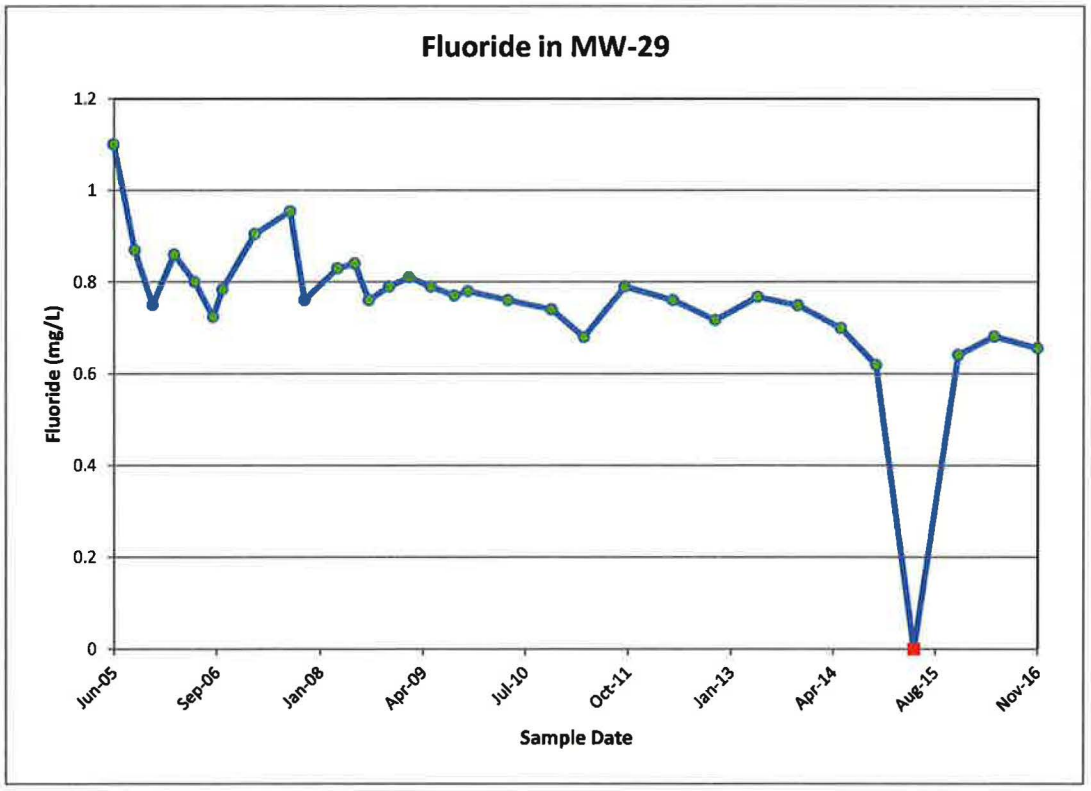
Time concentration plots for MW-28



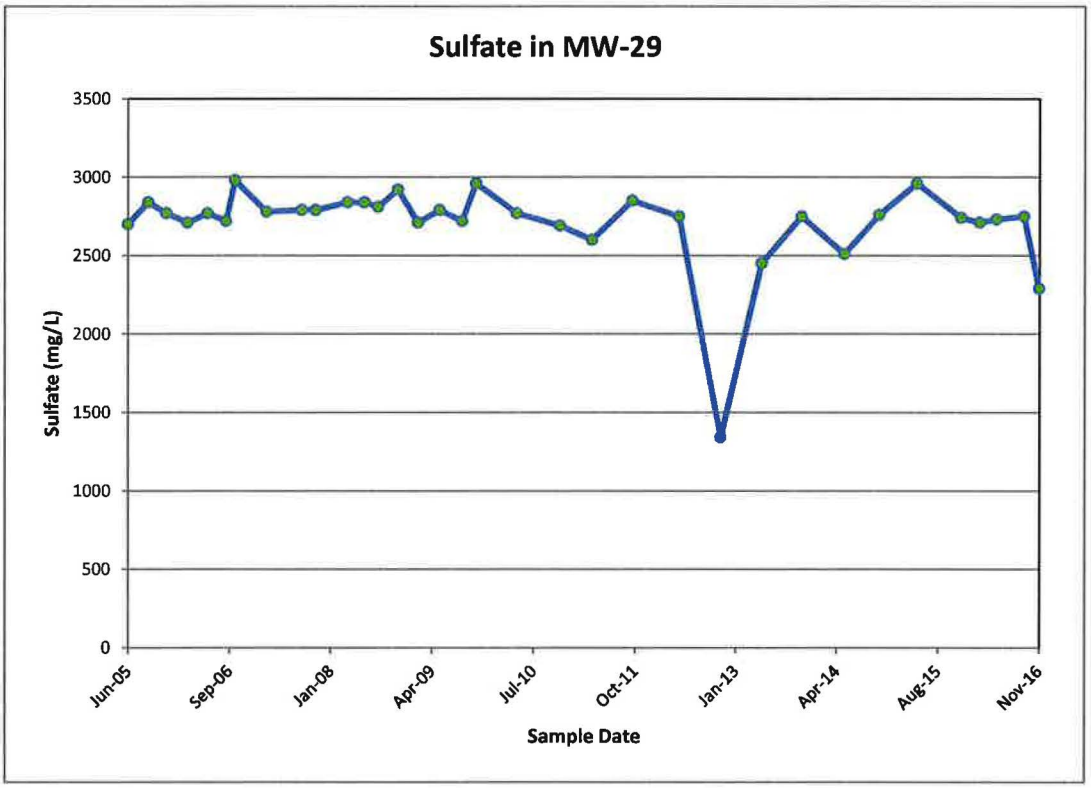


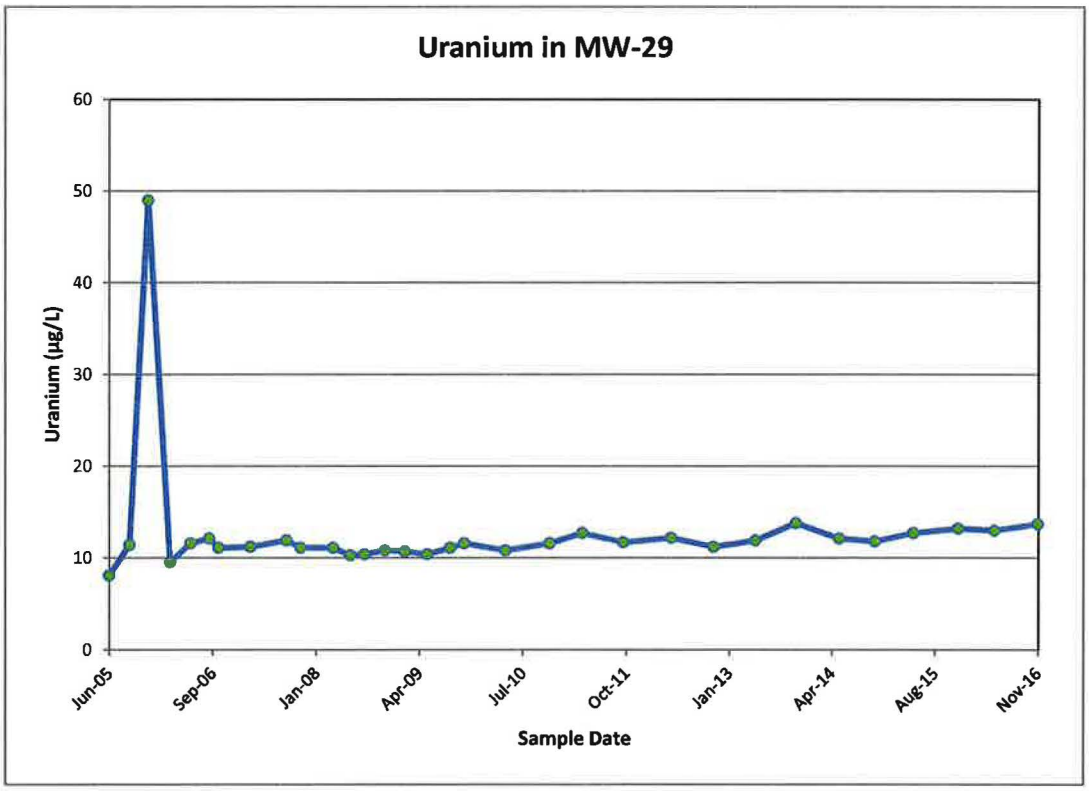
Time concentration plots for MW-29



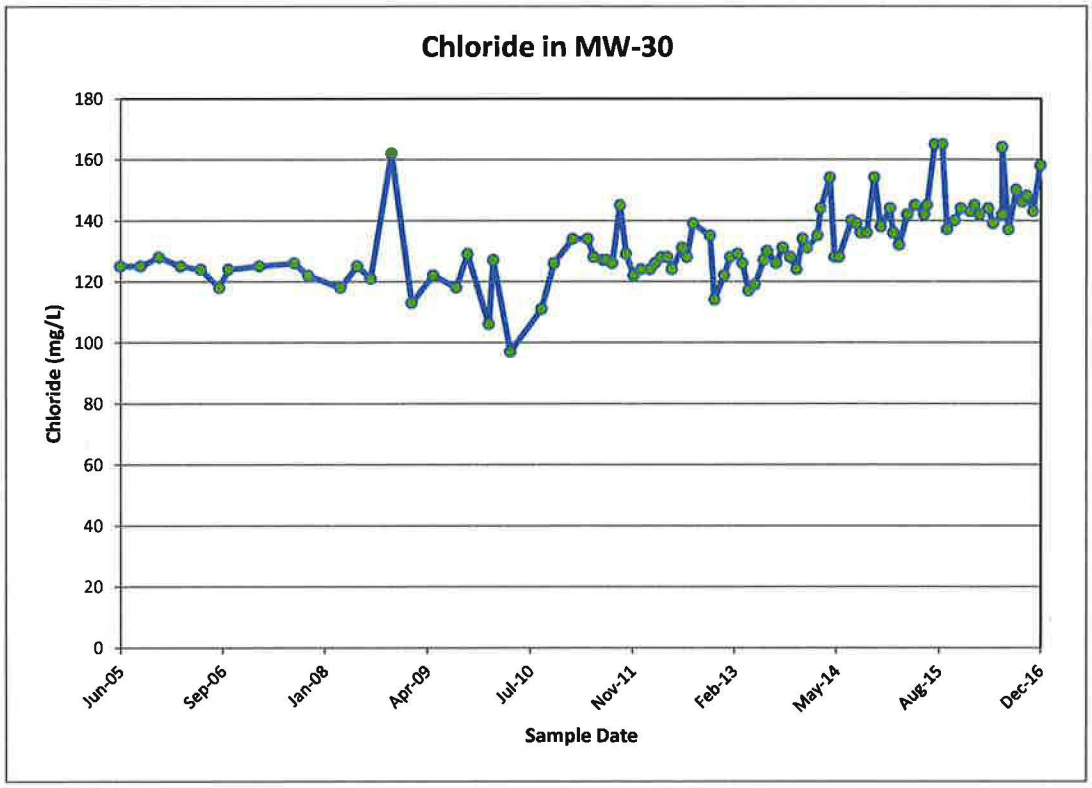


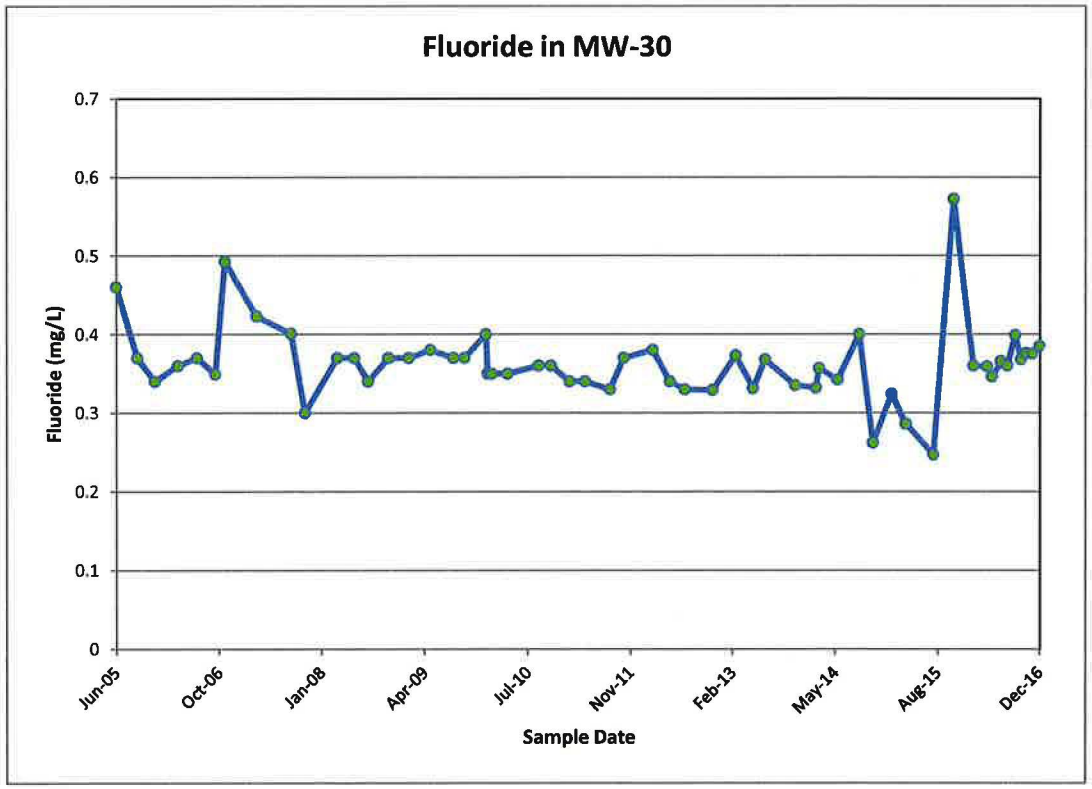
Time concentration plots for MW-29



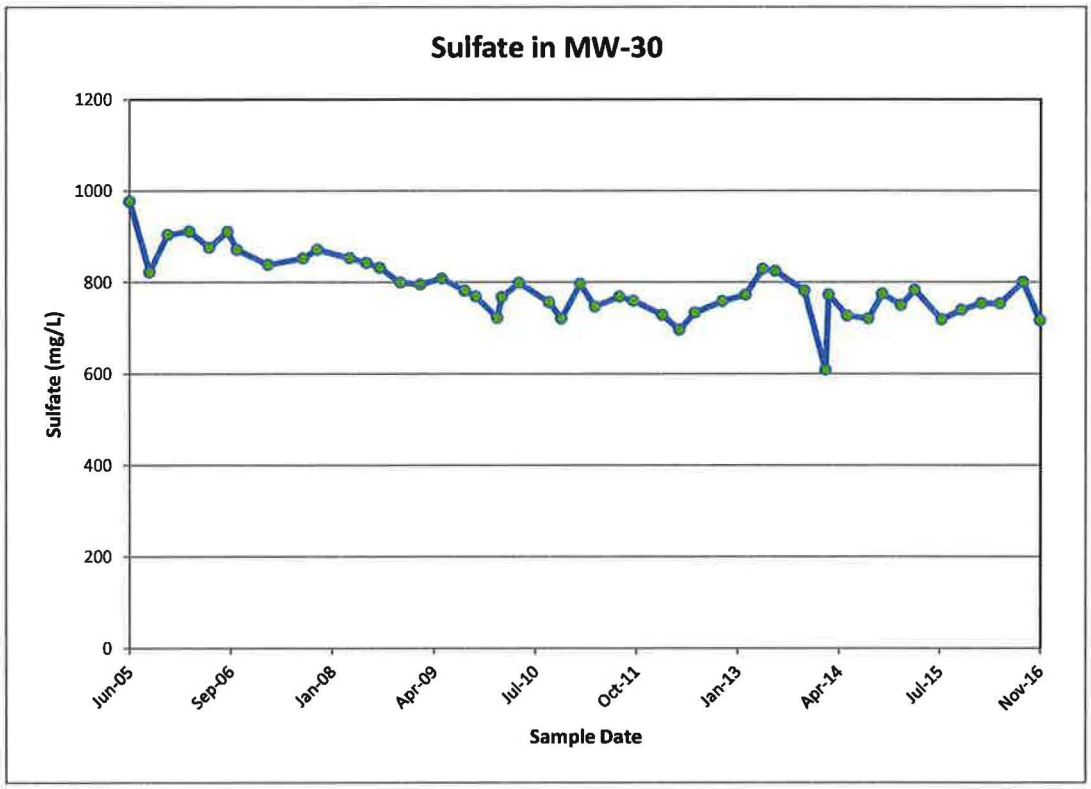


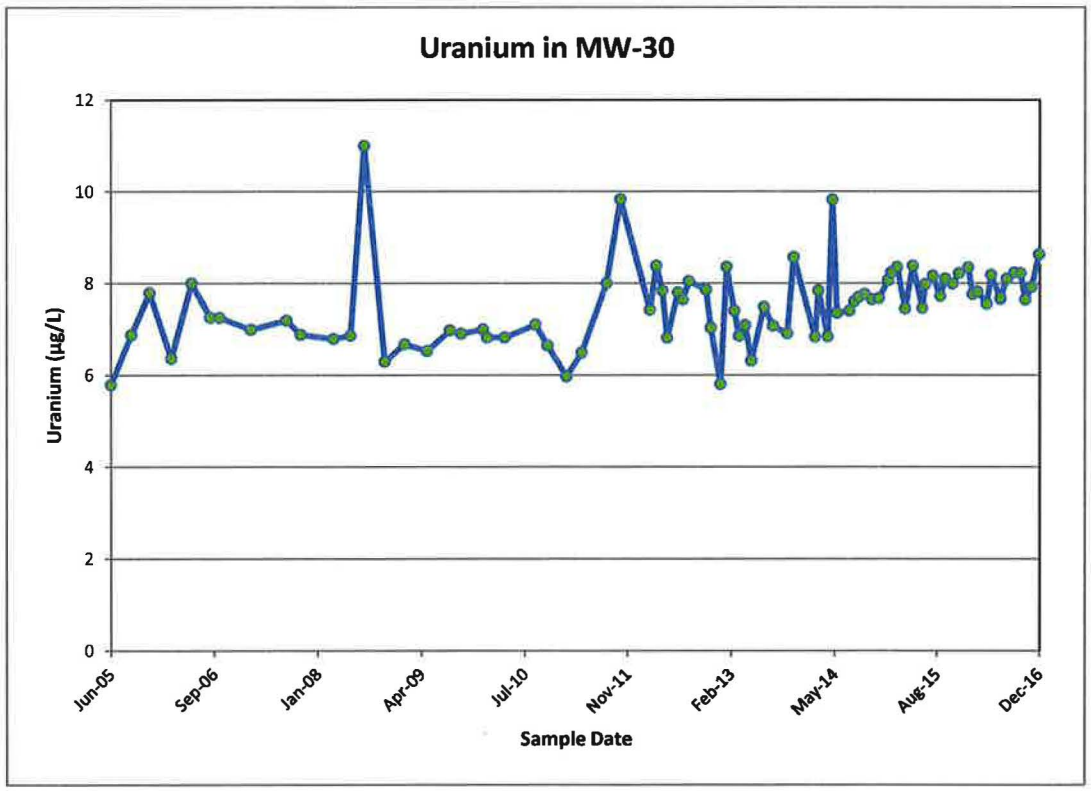
Time concentration plots for MW-30



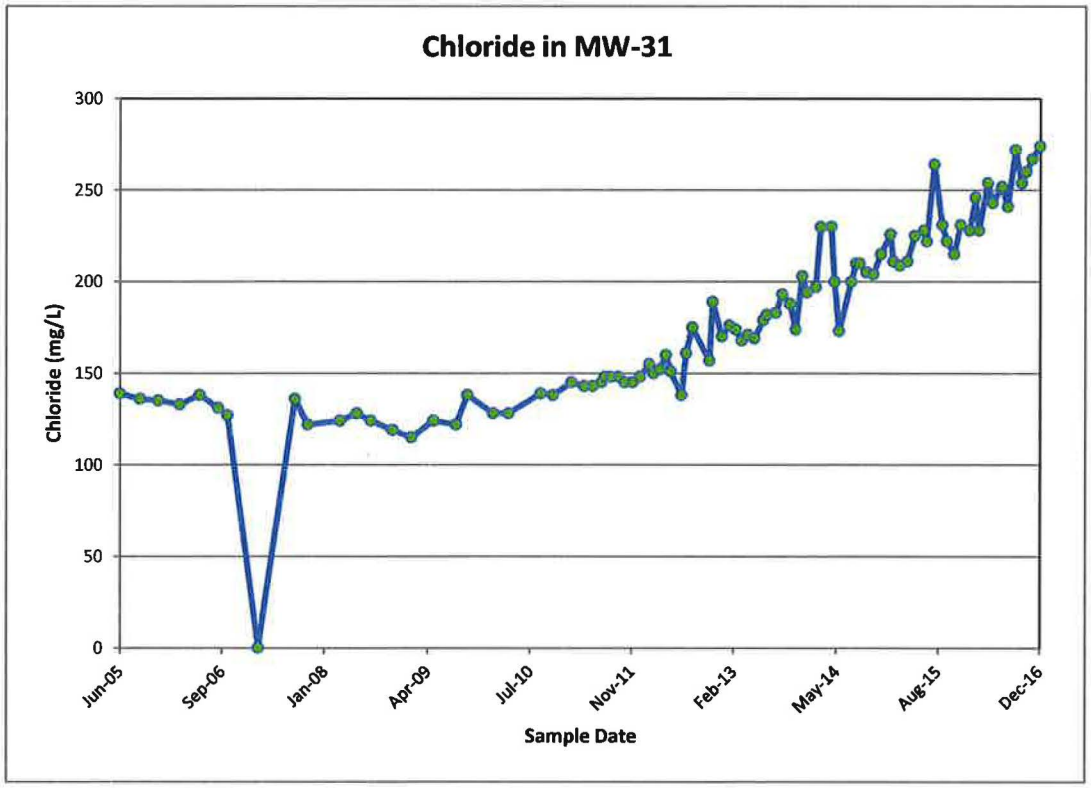


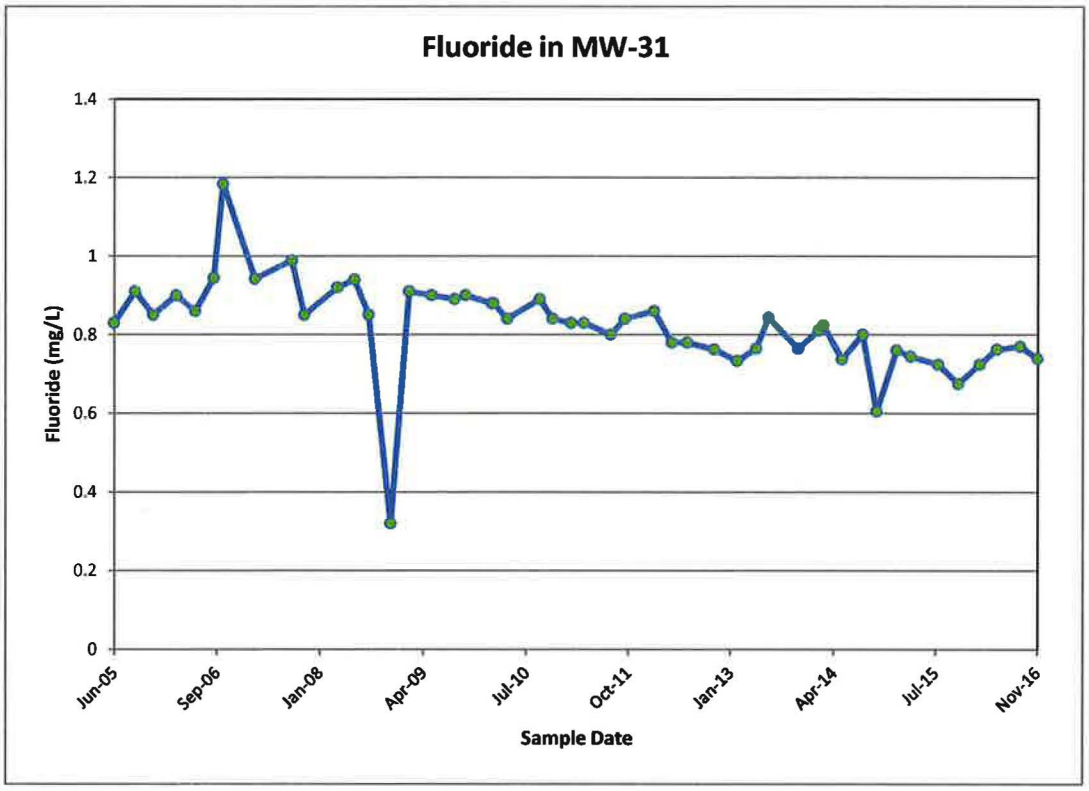
Time concentration plots for MW-30



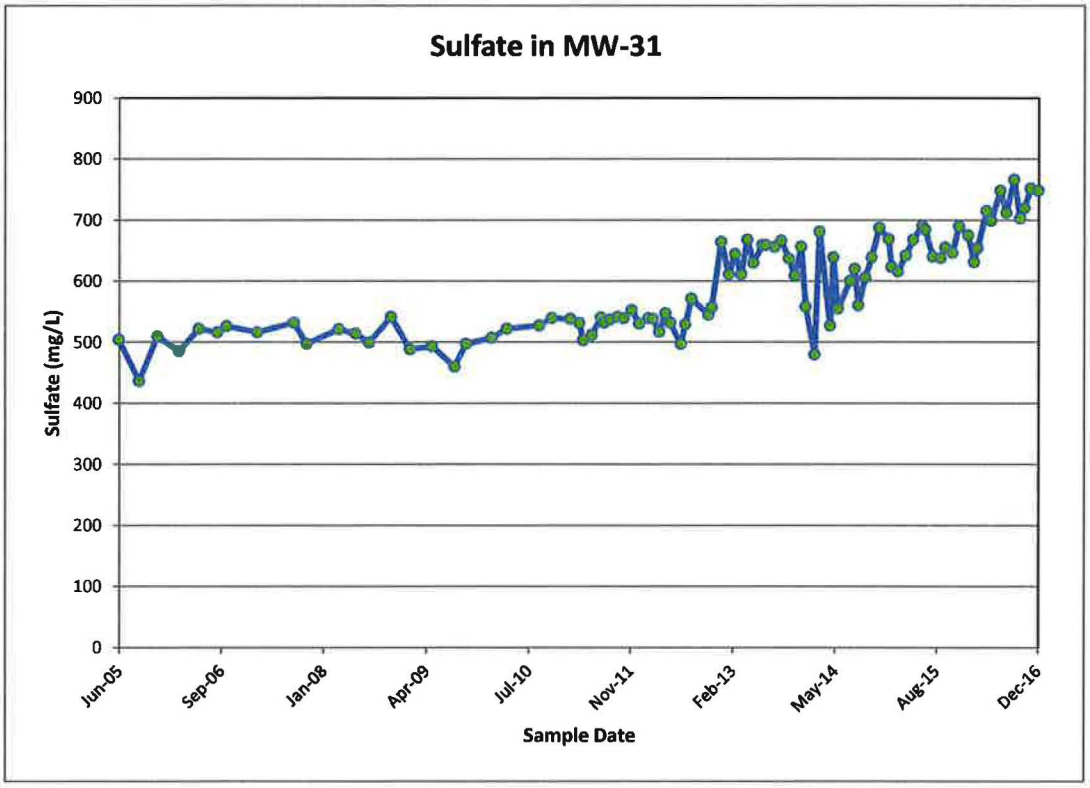


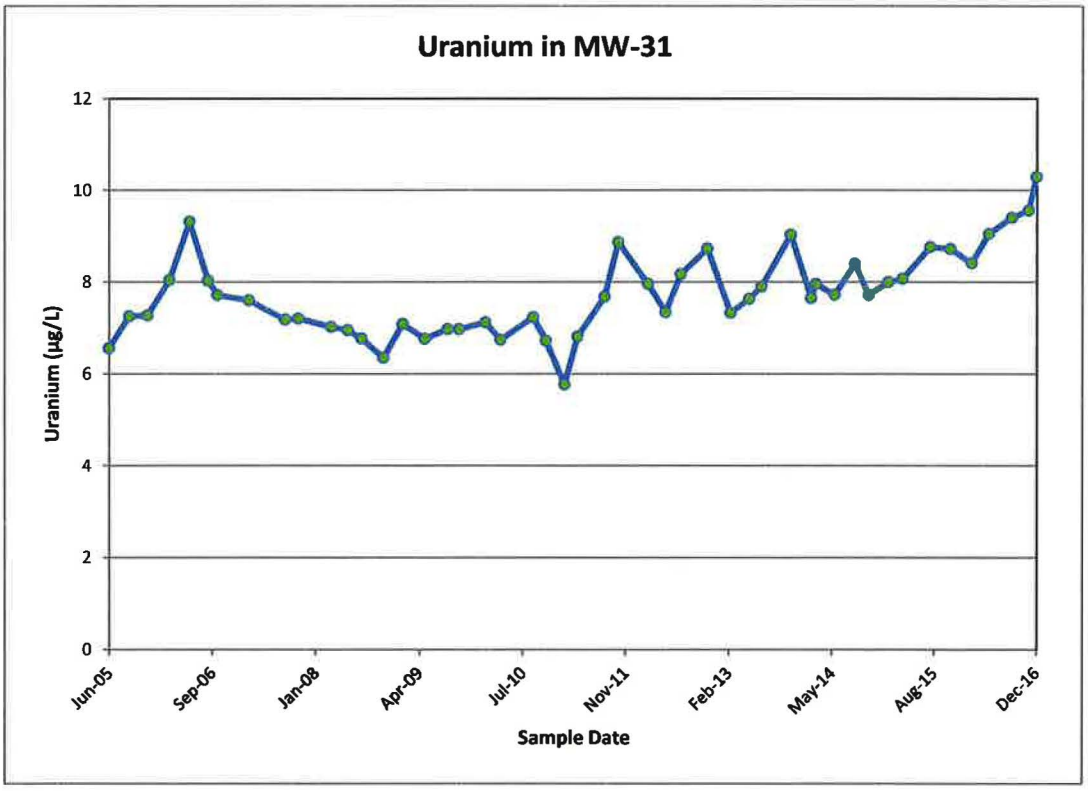
Time concentration plots for MW-31



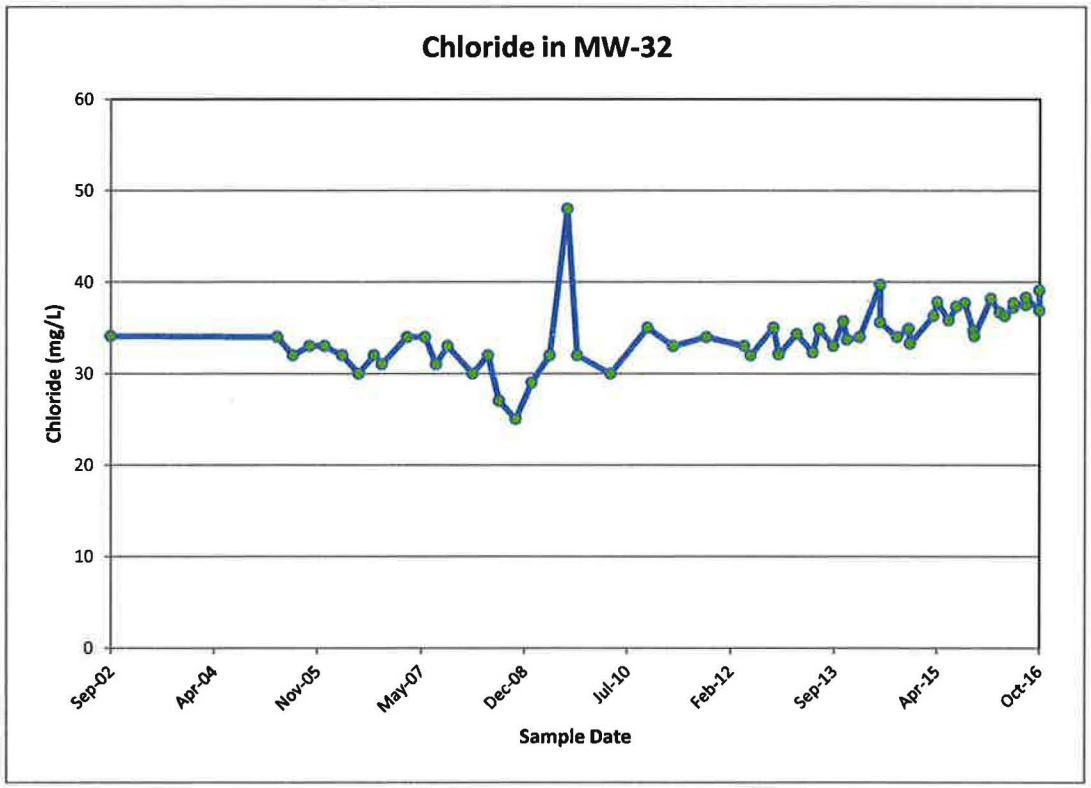


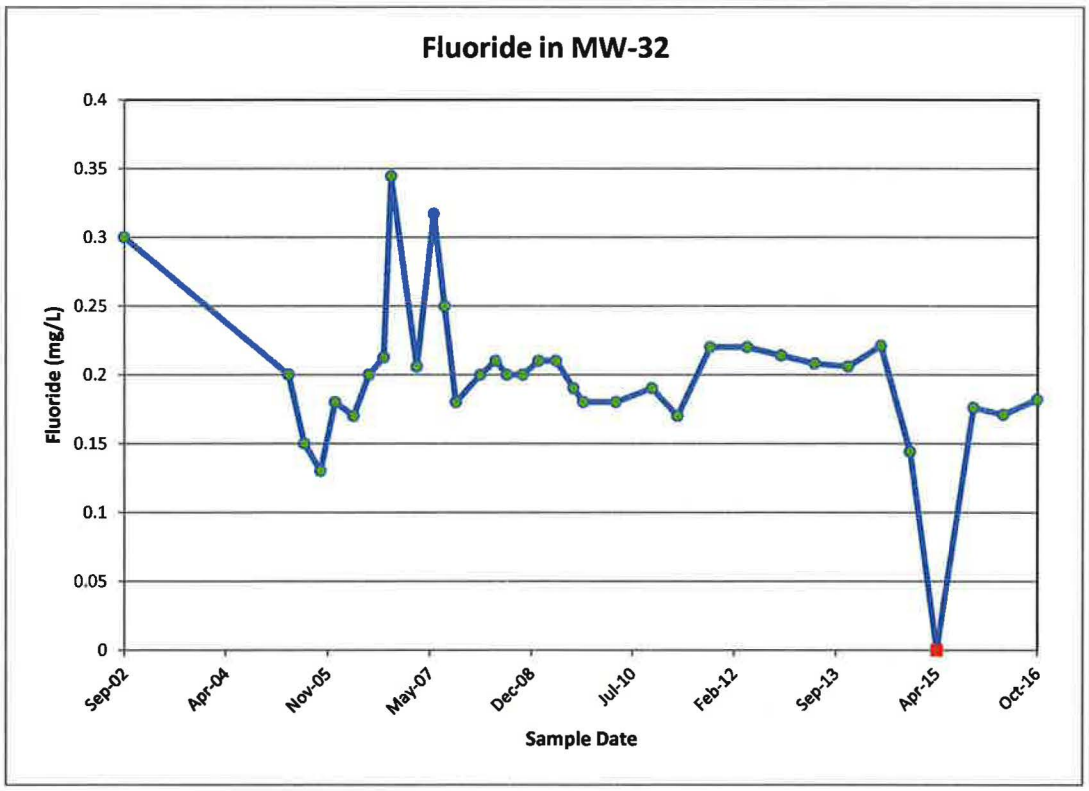
Time concentration plots for MW-31



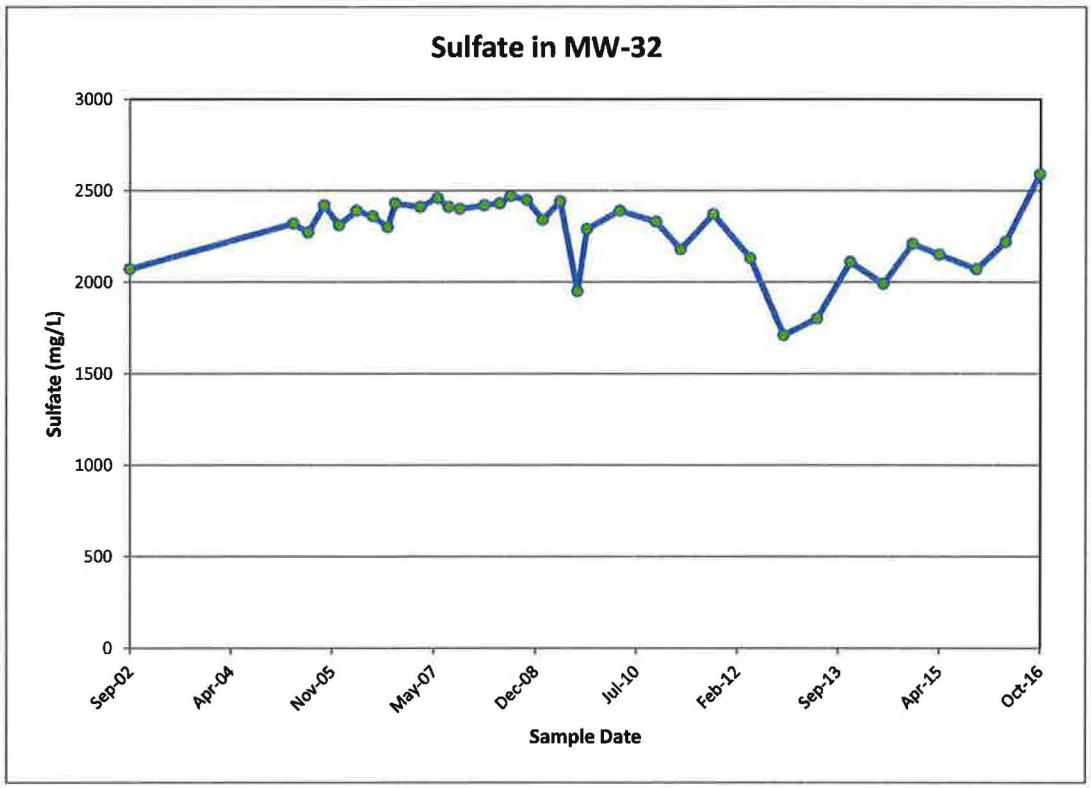


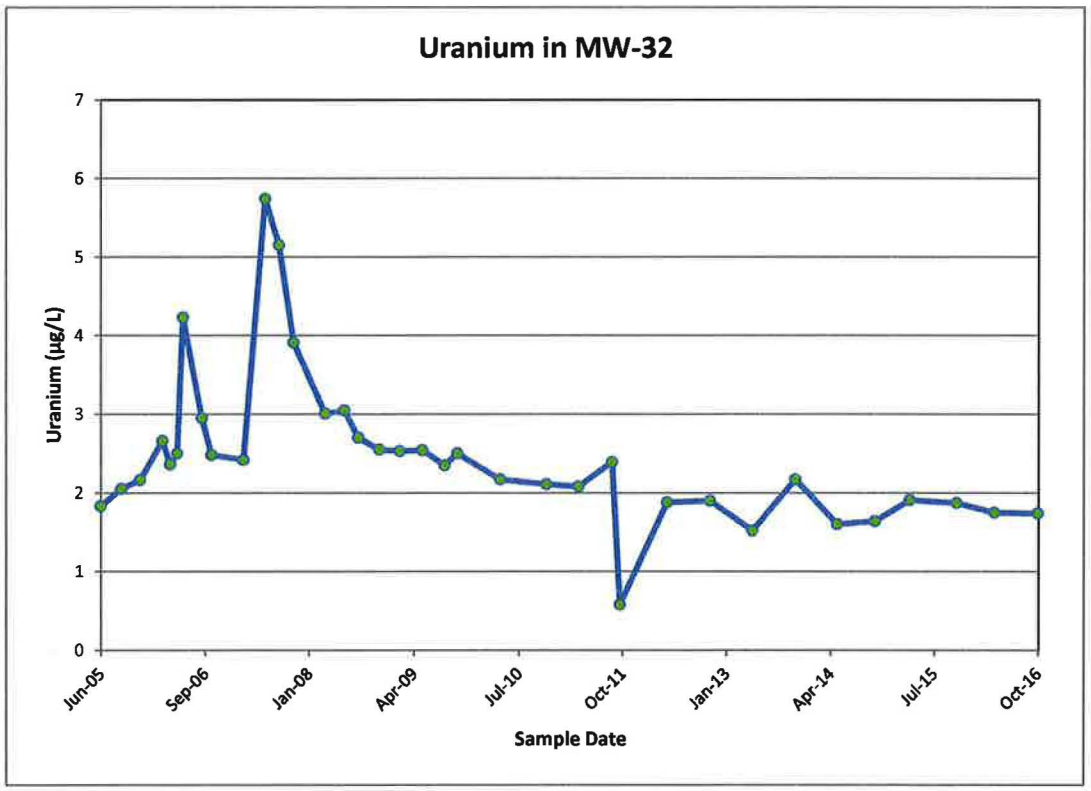
Time concentration plots for MW-32



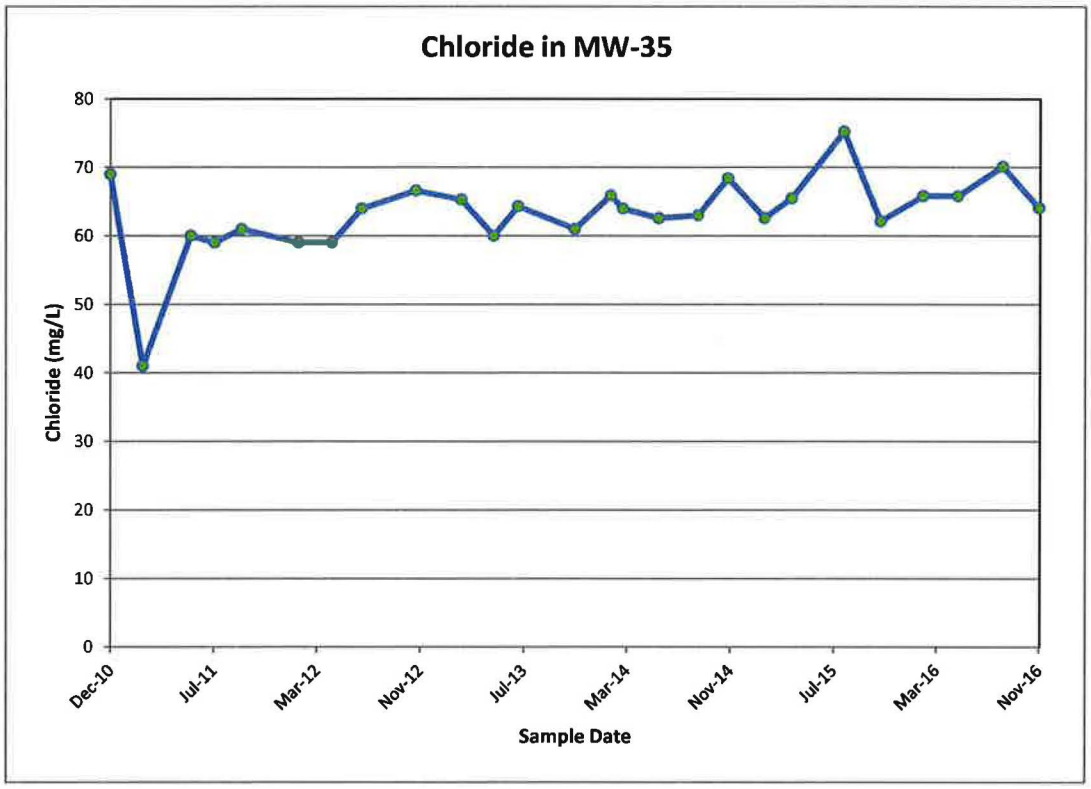


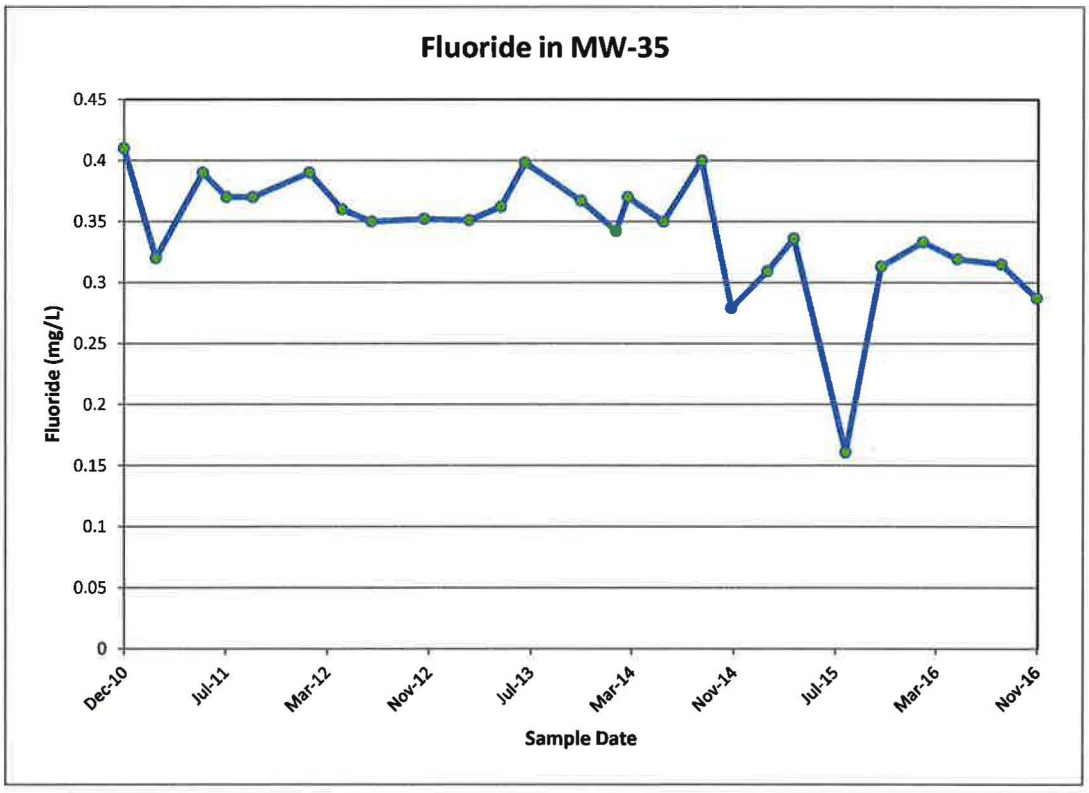
Time concentration plots for MW-32



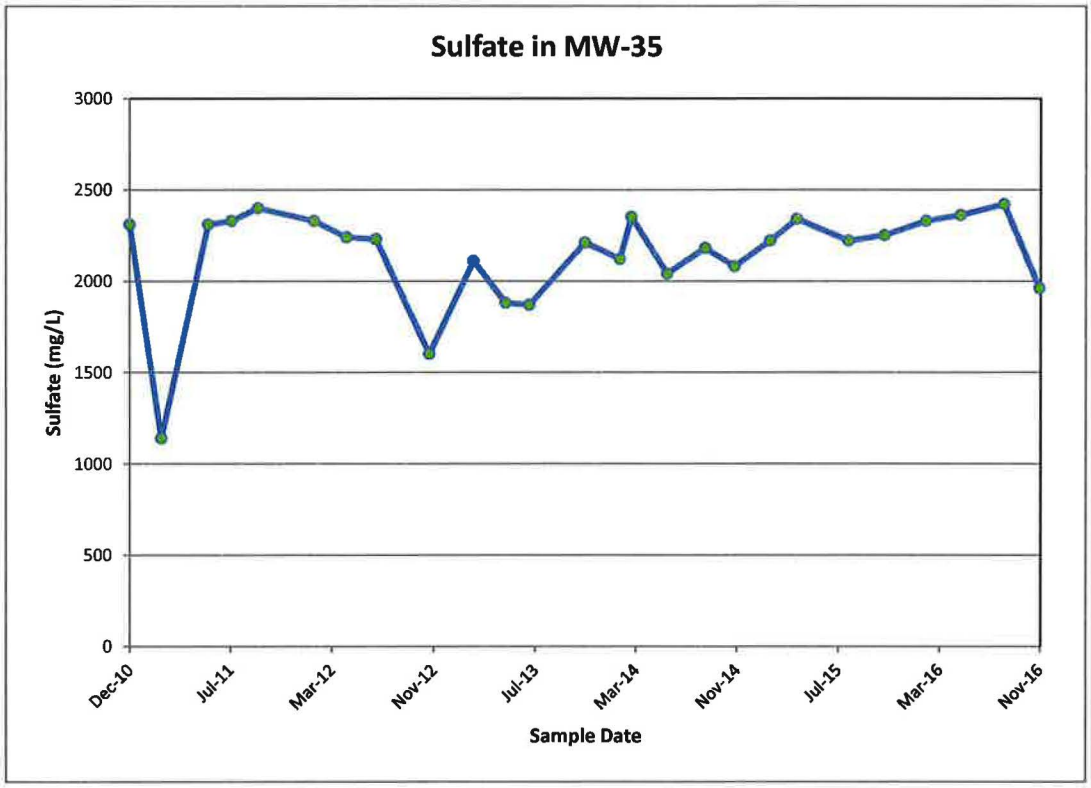


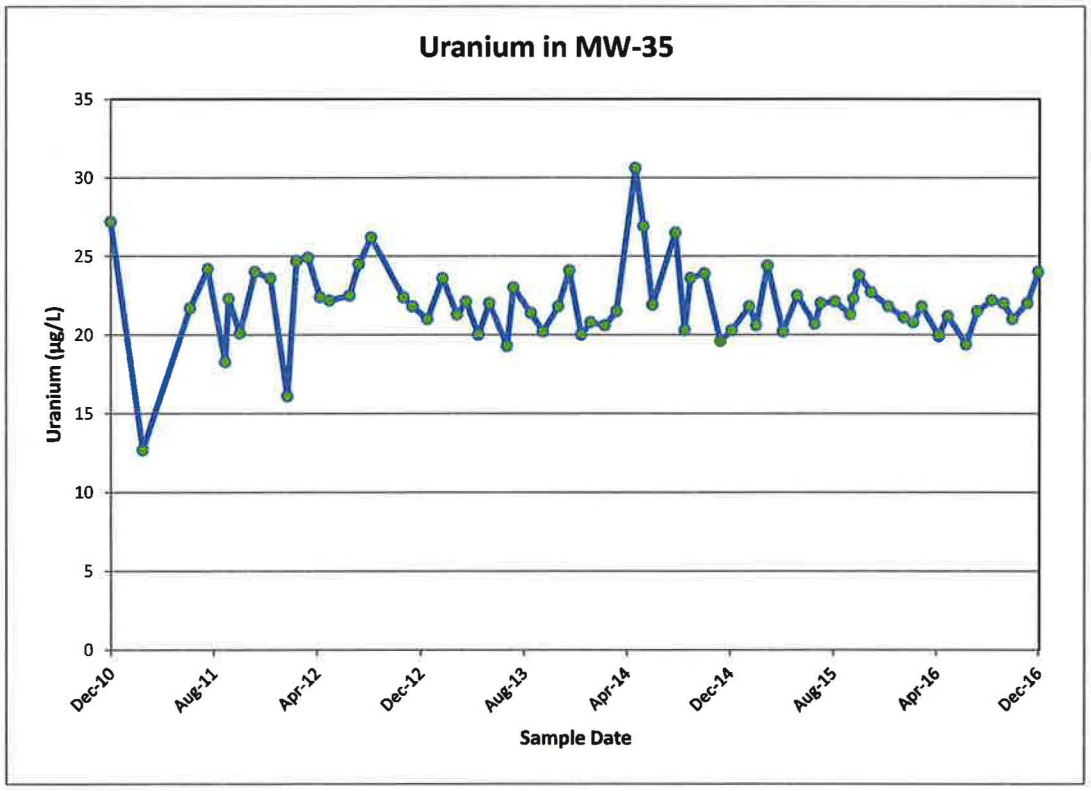
Time concentration plots for MW-35



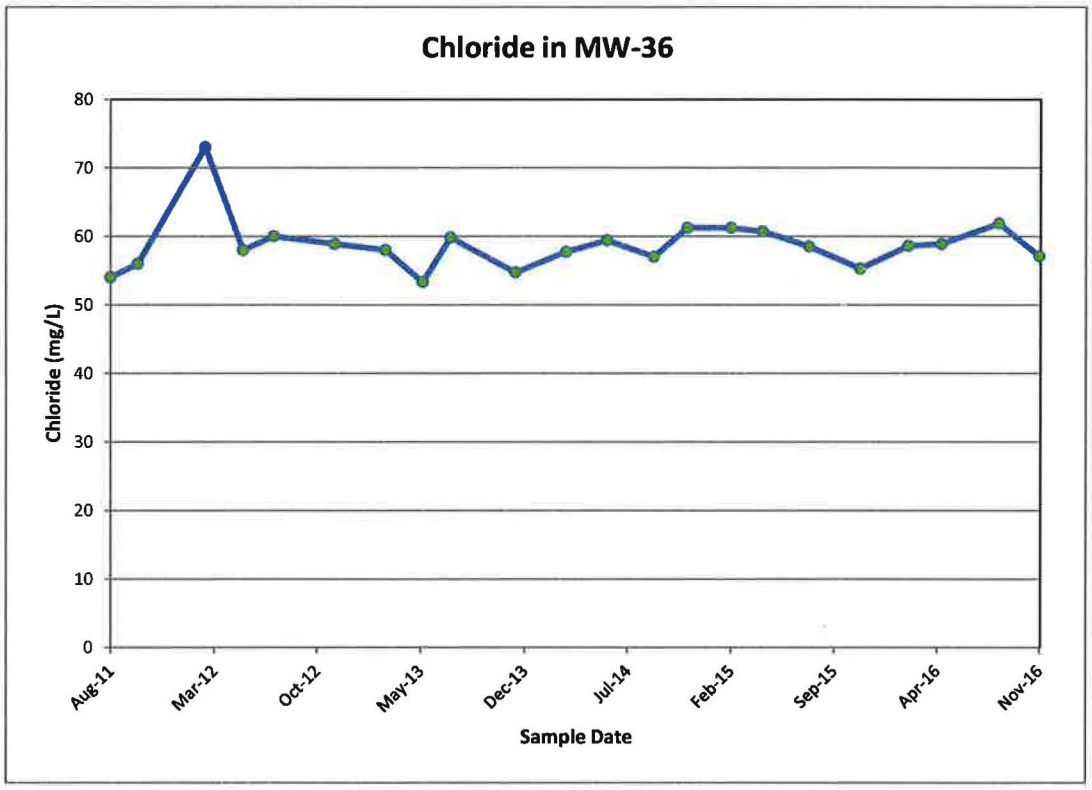


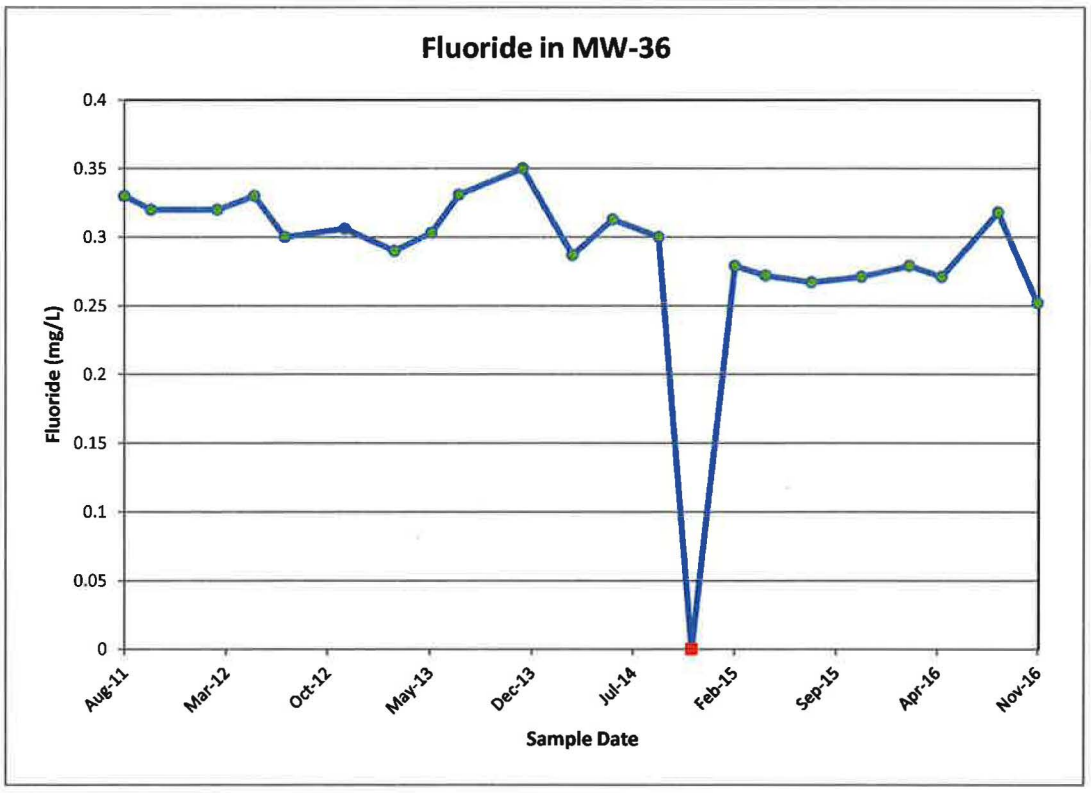
Time concentration plots for MW-35



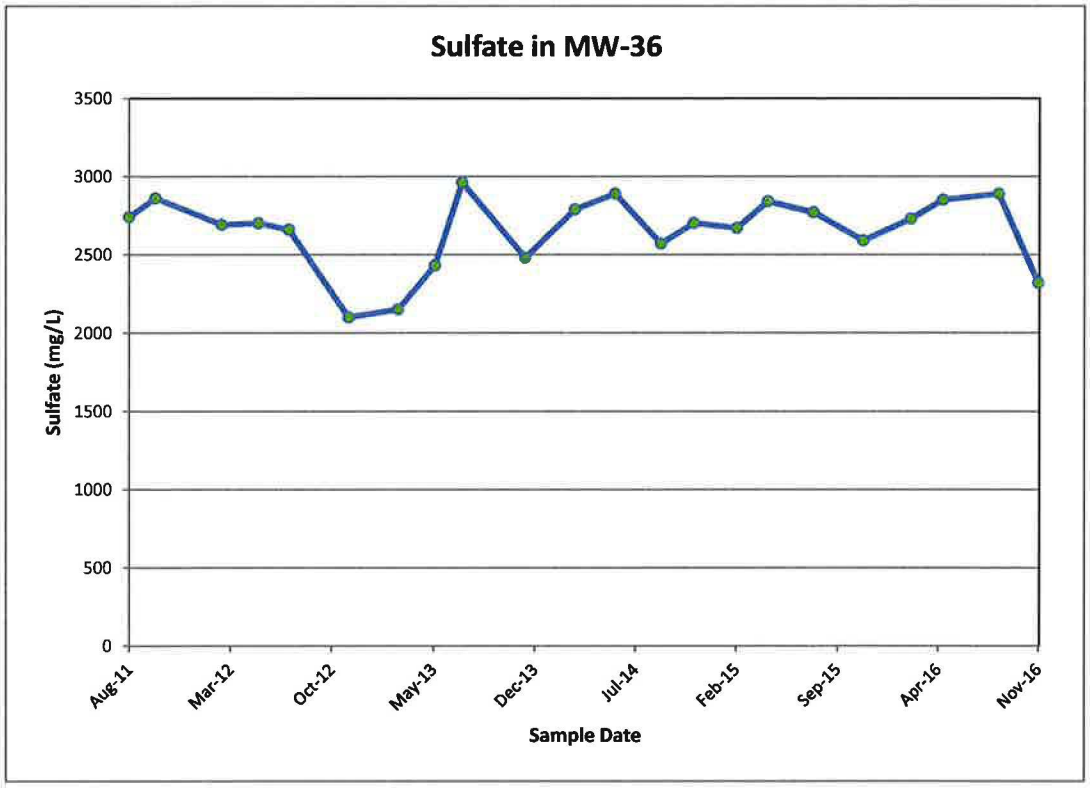


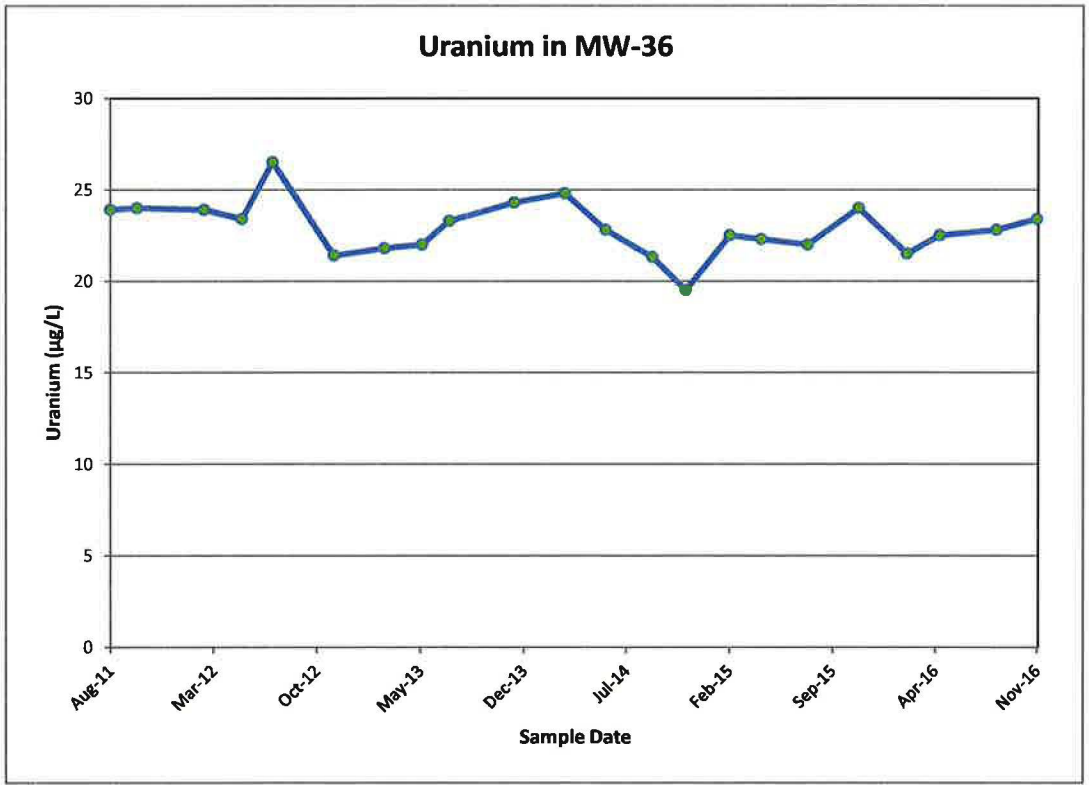
Time concentration plots for MW-36



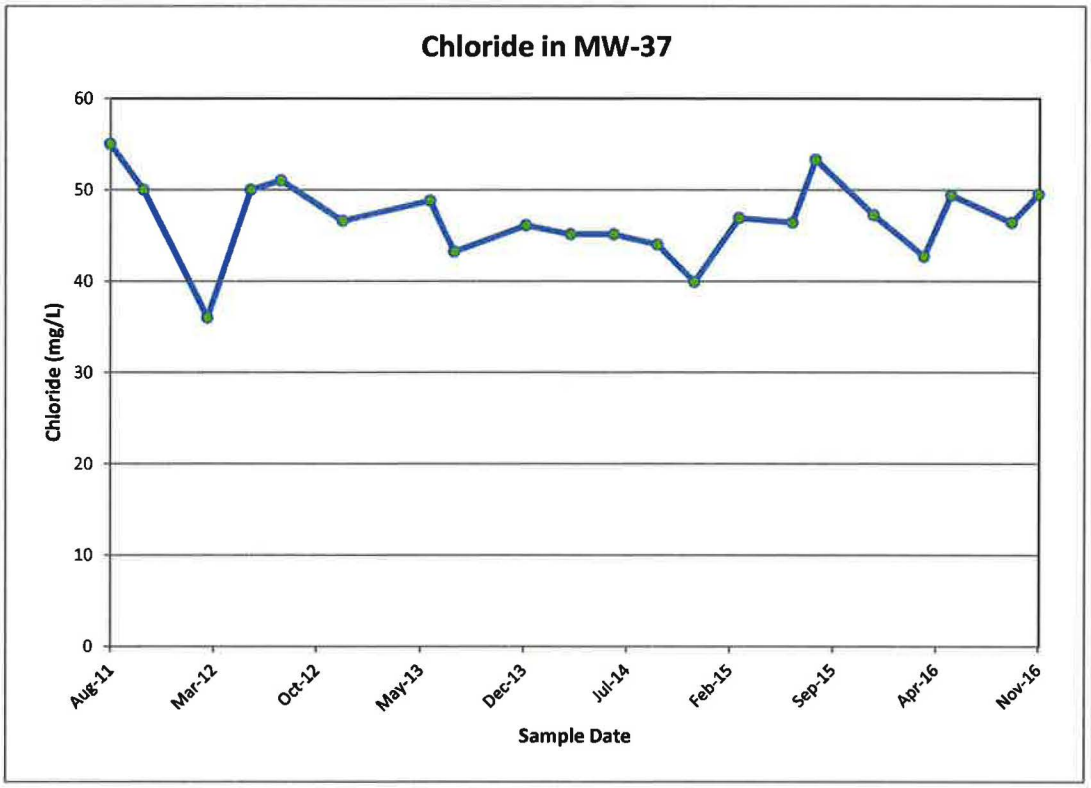


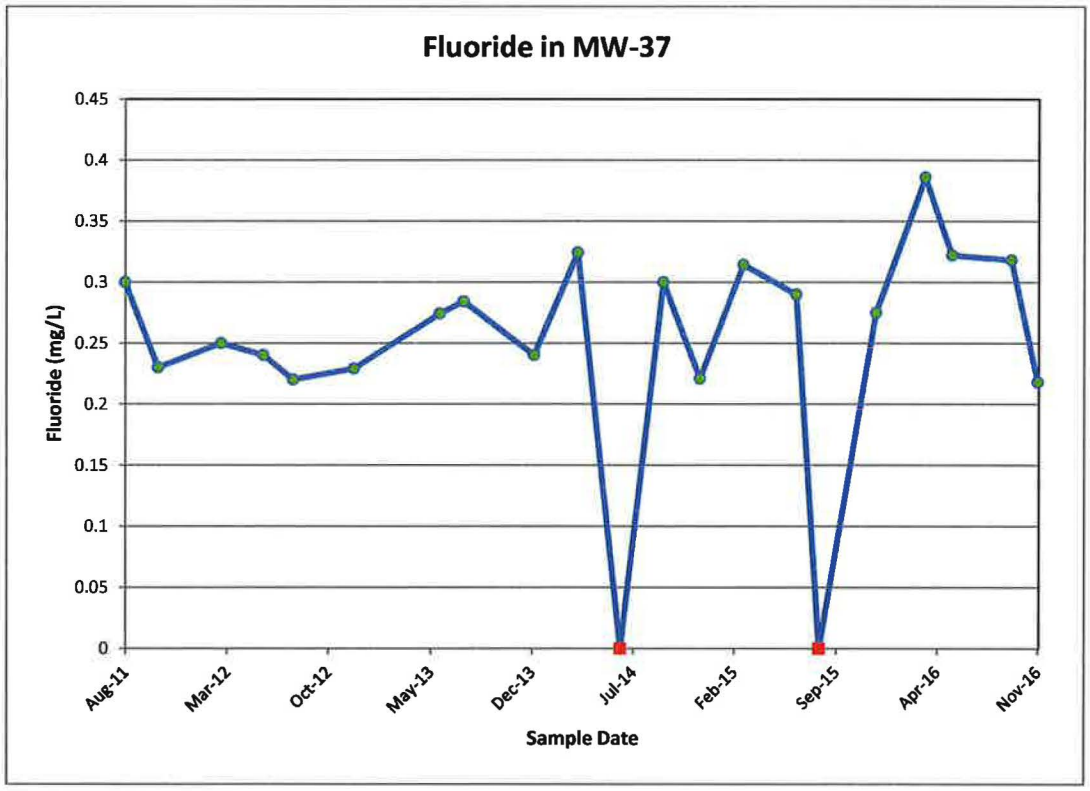
Time concentration plots for MW-36



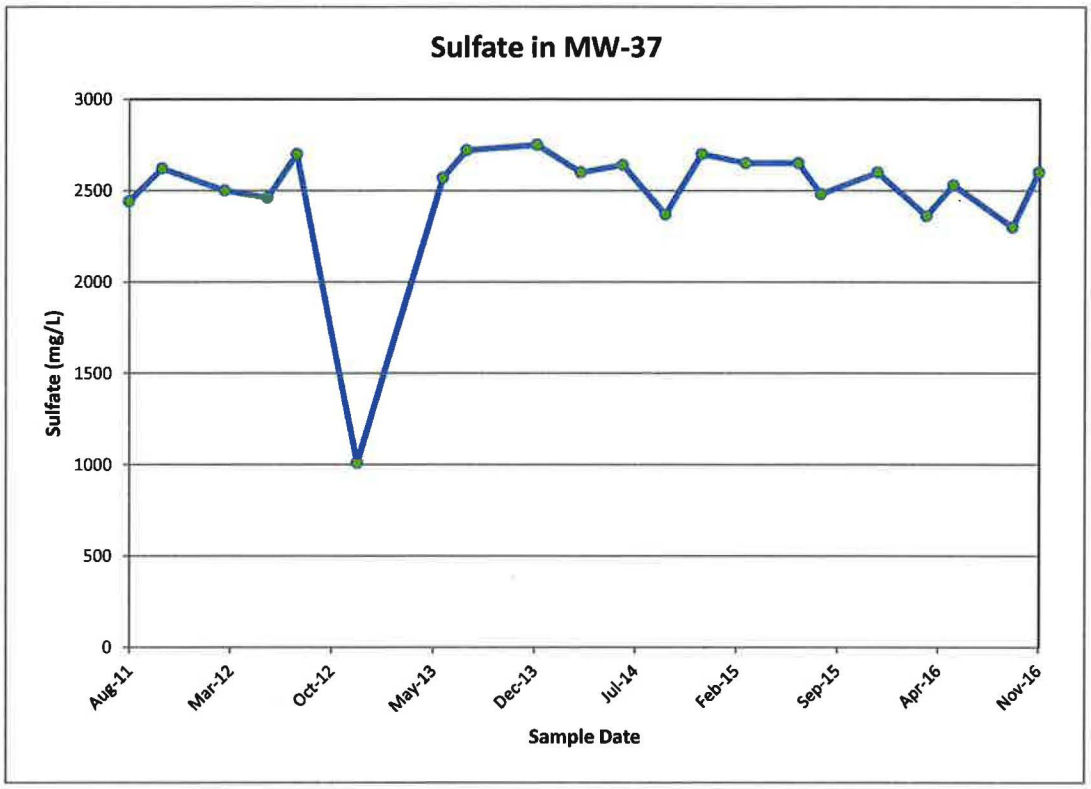


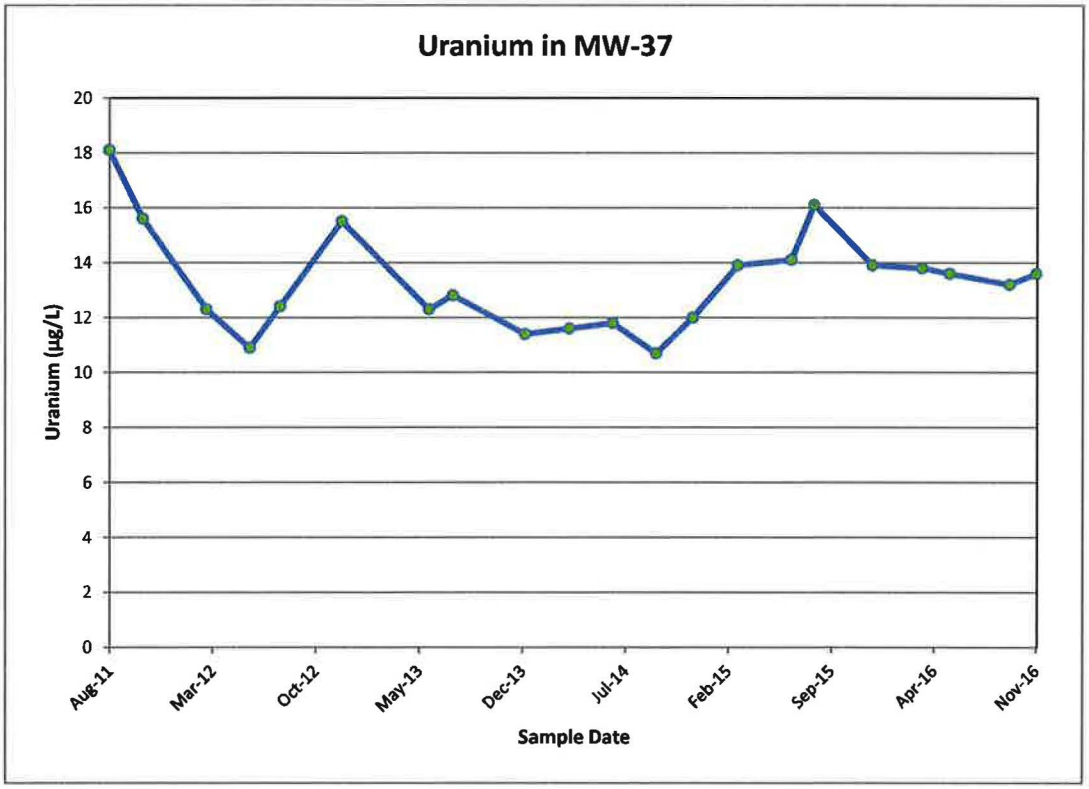
Time concentration plots for MW-37





Time concentration plots for MW-37





Tab J

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Thursday, February 09, 2017 1:49 PM
To: Goble, Phillip
Cc: Thomas Rushing; Mark Chalmers; David Frydenlund; Logan Shumway; Scott Bakken; David Turk
Subject: Transmittal of CSV Files White Mesa Mill 2016 Q4 Groundwater Monitoring
Attachments: Q4 2016 Field Measurements.csv; Q4 2016 GW DTWs.csv; Q4 2016 GW.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 fourth 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