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May 15, 2017

Div of Waste Management
and Radiation Control
MAY 18 2017
DRC-2017-003588

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 1st Quarter 2017 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 1st Quarter of 2017 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 S. 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

1st Quarter
(January through March)
2017

Prepared by:

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

May 15, 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 first quarter of 2017 for Energy Fuels Resources (USA) Inc's. ("EFRI's") White Mesa Uranium Mill (the "Mill"). As required under Parts I.E.1, I.E.2, I.E.3, and I.E.5 of the GWDP, this Report includes recorded field measurements and laboratory analyses for well monitoring conducted during the quarter.

2.0 GROUNDWATER MONITORING

2.1 Samples and Measurements Taken During the Quarter

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

2.1.1 Groundwater Compliance Monitoring

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

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

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 American West Analytical Laboratories ("AWAL").

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

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

2.3.2 Regulatory Framework and Groundwater Background

Under the GWDP dated August 24, 2012, background groundwater quality has been determined on a well-by-well basis, as defined by the mean plus second standard deviation concentration or the equivalent. GWCLs that reflect this background groundwater quality have been set for compliance monitoring wells except MW-35, MW-36, and MW-37. As discussed in Section 2.1.3 above, EFRI submitted the background report for MW-35, MW-36, and MW-37 on May 1, 2014. DWMRC approved the

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

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

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

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

2.4 Laboratory Results – Accelerated Monitoring

2.4.1 Copy of Laboratory Results

Results from analysis of samples collected for the monthly accelerated sampling (i.e. quarterly accelerated to monthly) are provided in Tab F. Also included under Tab F are the results of analyses for duplicate samples for this sampling effort, as identified in Table 1.

2.4.2 Regulatory Framework and Groundwater Background

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

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

2.4.3 Compliance Status

Analytes that have exceeded the GWCLs set forth in the GWDP are summarized in Table 2. The analytes which exceeded their respective GWCLs during the quarter will be

sampled on an accelerated schedule as noted in Table 2. 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. The first quarter 2017 MW-28 uranium result was slightly above the GWCL and within the analytical variability of the method. Per discussions with DWMRC, EFRI will continue to collect uranium data quarterly in MW-28 and assess the results and determine a path forward after the fourth quarter 2017 data were received.

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, third, and fourth quarter 2016 results were below the GWCL. The first quarter 2017 MW-28 cadmium result was slightly above the GWCL and within the analytical variability of the method. Per discussions with DWMRC, EFRI will continue to collect cadmium data quarterly in MW-28 and assess the results and determine a path forward after the fourth quarter 2017 data were received.

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

2.5 Depth to Groundwater and Water Table Contour Map

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

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

3.0 QUALITY ASSURANCE AND DATA VALIDATION

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

steps and tests applied to check laboratory data QA/QC are discussed in Sections 3.4.4 through 3.4.9 below.

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

3.1 Field QC Samples

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

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

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

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

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

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

3.2 Adherence to Mill Sampling SOPs

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

3.3 Analyte Completeness Review

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

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

3.4 Data Validation

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

3.4.1 Field Data QA/QC Evaluation

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

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

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

During both the quarterly sampling event and the two monthly events, the purging technique used was two casing volumes with stable field parameters (pH, Conductivity, Redox, temperature and turbidity) except for the following wells that were purged to dryness: MW-03A, MW-24, and MW-37. It should be noted that additional parameters (redox and turbidity) were collected in MW-03A even though those parameters were not required. The additional parameters met the 10% RPD requirement.

Based upon the review of the Field Data Sheets, quarterly and semi-annually sampled locations conformed to the QAP requirement for purging using the two casing volume technique except for MW-37. MW-37 was evacuated to dryness before two casing volumes could be removed. MW-37 has insufficient water to purge using a pump. Due to the small volume of water present, this well is purged and sampled using a disposable bailer. MW-37 conformed to the QAP, Revision 7.2 requirement for sampling low yield wells which includes the collection of three field parameters (pH, specific conductance ["conductivity"] and temperature) immediately prior to and immediately following sample collection. Stabilization of pH, conductivity and temperature were within the 10% RPD required by QAP, Revision 7.2. MW-03A and MW-24 were purged to dryness after 2 casing volumes were removed and the low yield sampling procedures were used for the collection of field parameters. Stabilization of pH, conductivity and temperature were within the 10% RPD required by QAP, Revision 7.2 for well MW-03A 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-23, and MW-32. Per the QAP, Revision 7.2, Attachment 2-3, turbidity measurements prior to sampling were within a 10% RPD for the quarterly and semi-annual wells.

- Turbidity measurements were less than 5 NTU for the accelerated sampling wells except MW-25 in the January event. 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 except as noted in Section 4.0 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 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. MW-36 had an error term greater than 20%, however, a GWCL has not been published at this time and the additional check cannot be performed. Based on the approved GWCL of 7.5 the data are acceptable as the sum of the activity concentration and error term is less than or equal to the approved GWCL.

Section 9.4 of the QAP also requires a comparability check between the sample and field duplicate sample results utilizing the formula provided in the text. The quarterly, semi-annual, and accelerated radiologic duplicates met the requirements specified in the QAP.

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

3.4.9 Other Laboratory QA/QC

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

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

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

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

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

acceptance limits. The QAP does not require this level of review and the results of this review are provided for information only.

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

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

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

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

The QAP, Section 8.1.2 requires that each analytical batch shall be accompanied by a method blank. The analytical batches routinely contain a blank, which is a blank sample made and carried through all analytical steps. For the Mill samples, a method blank was prepared for the analytical methods. Per the approved QAP, contamination detected in analysis of method blanks will be used to evaluate any analytical laboratory contamination of environmental samples. QAP Revision 7.2 states that non-conformance conditions will exist when contaminant levels in the samples(s) are not an order of magnitude greater than the blank result. The method blanks for the quarterly samples and the accelerated samples reported no detections of any analyte. Method blank results are included in Tab E and Tab F.

Laboratory duplicates are completed by the analytical laboratories as required by the analytical method specifications. Acceptance limits for laboratory duplicates are set by

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

4.0 CORRECTIVE ACTION REPORT

No corrective actions were identified during the current monitoring period

4.1 Assessment of Previous Quarter's Corrective Actions

No corrective actions were identified in the fourth 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 May 15, 2017.

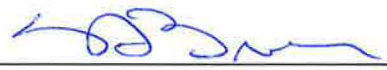
ENERGY FUELS RESOURCES (USA) INC.

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 Q1 2017

Well	Normal Frequency	Purpose for sampling this quarter	Sample Date	Date of Lab Report
MW-01	Semi-annually	Semi-annually	1/31/2017	(2/20/17)
MW-03A	Semi-annually	Semi-annually	2/9/2017	(3/2/17)
MW-05	Semi-annually	Semi-annually	1/25/2017	(02/14/17)
MW-11	Quarterly	Quarterly	2/8/2017	(3/2/17) [3/10/17]
MW-12	Semi-annually	Semi-annually	1/25/2017	(02/14/17)
MW-14	Quarterly	Quarterly	2/2/2017	(2/20/17) [3/2/17]
MW-15	Semi-annually	Semi-annually	1/24/2017	(02/14/17)
MW-18	Semi-annually	Semi-annually	2/1/2017	(02/20/17)
MW-19	Semi-annually	Semi-annually	1/31/2017	(02/20/17)
MW-23	Semi-annually	Semi-annually	1/31/2017	N/A - Field pH measurement only
MW-24	Semi-annually	Semi-annually	3/8/2017	(3/27/17)
MW-25	Quarterly	Quarterly	2/7/2017	(3/2/17) [3/10/17]
MW-26	Quarterly	Quarterly	2/9/2017	(3/2/17) [3/10/17]
MW-27	Semi-annually	Semi-annually	1/24/2017	(2/14/17)
MW-28	Semi-annually	Semi-annually	1/25/2017	(2/14/17)
MW-29	Semi-annually	Semi-annually	1/26/2017	(2/14/17)
MW-30	Quarterly	Quarterly	2/2/2017	(2/20/17) [3/2/17]
MW-31	Quarterly	Quarterly	2/7/2017	(3/2/17) [3/10/17]
MW-32	Semi-annually	Semi-annually	2/1/2017	(2/20/17)
MW-35	Quarterly	Background	2/7/2017	(3/2/17) [3/10/17]
MW-36	Quarterly	Background	1/24/2017	(2/14/17) [3/2/17]
MW-37	Quarterly	Background	3/7/2017	(3/27/17) [4/5/17]
MW-65	1 per Batch	Duplicate of MW-14	2/2/2017	(2/20/17) [3/2/17]
MW-70	1 per Batch	Duplicate of MW-11	2/8/2017	(3/2/17) [3/10/17]
Accelerated January Monthly				
MW-11	Monthly	Accelerated	1/18/2017	(2/1/17)
MW-14	Monthly	Accelerated	1/18/2017	N/A - Field pH measurement only
MW-25	Monthly	Accelerated	1/17/2017	(2/1/17)
MW-26	Monthly	Accelerated	1/19/2017	(2/1/17)
MW-30	Monthly	Accelerated	1/18/2017	(2/1/17)
MW-31	Monthly	Accelerated	1/17/2017	(2/1/17)
MW-35	Monthly	Accelerated	1/18/2017	(2/1/17) [2/16/17]
MW-65	Monthly	Duplicate of MW-35	1/18/2017	(2/1/17) [2/16/17]
Accelerated March Monthly				
MW-11	Monthly	Accelerated	3/6/2017	(3/24/17)
MW-14	Monthly	Accelerated	3/7/2017	N/A - Field pH measurement only
MW-25	Monthly	Accelerated	3/7/2017	(3/24/17)
MW-26	Monthly	Accelerated	3/7/2017	(3/24/17)
MW-30	Monthly	Accelerated	3/7/2017	(3/24/17)
MW-31	Monthly	Accelerated	3/6/2017	(3/24/17)
MW-35	Monthly	Accelerated	3/6/2017	(3/24/17) [4/5/17]
MW-65	1 per Batch	Duplicate of MW-30	3/7/2017	(3/24/17)

Notes:

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

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

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

Table 2
Exceedances and Acceleration Requirements

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	First Result Exceeding the GWCL	Routine Sample Frequency	Accelerated Frequency	Exceedance Sample Period	Start of Accelerated Monitoring
Quarterly Wells Accelerated to Monthly Sampling[1]							
MW-11 (Class II)	Manganese (ug/L)	131.29	134	Quarterly	Monthly	Q1 2010	May 2010
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	6.45	Quarterly	Monthly	Q1 2010	May 2010
MW-25 (Class III)	Uranium (ug/L)	6.5	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
	Field pH (S.U.)	6.5 - 8.5	6.46	Semi-Annually	Quarterly	Q1 2017	Q3 2017
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
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
	Field pH (S.U.)	6.1 - 8.5	6.01	Semi-Annually	Quarterly	Q1 2014	Q2 2014

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-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)	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 Q1 2017 sampling event.

Table 3 – GWCL Exceedances for First Quarter 2017 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
	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
	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-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)	Field pH (S.U.)	6.5 - 8.5	NS	NA	4/26/2010	7.15	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/11/2010	7.31	NS	NA
	Uranium (ug/L)	7.5		NA		0.39														***11.6***		
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
	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
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)	Chloride (mg/L)	35.39	NS	NA	4/20/2010	30	NS	NA	NS	NA	NS	NA	NS	NA	9/13/2010	NA	NS	NA	11/10/2010	35	NS	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

Exceedances are shown in yellow

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

Table 3 – GWCL Exceedances for First Quarter 2017 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
	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***
	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-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)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/14/2011	7.31	NS	NA	4/12/2011	7.79	NS	NA	NS	NA	NS	NA	8/9/2011	7.22	NS	NA	10/10/2011	7.41	NS	NA	NS	NA
	Uranium (ug/L)	7.5				***29.5***				7.16								0.5				4.52				
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
	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
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)	Chloride (mg/L)	35.39	NS	NA	2/9/2011	NA	NS	NA	4/1/2011	33	NS	NA	NS	NA	NS	NA	8/2/2011 8/30/11	NA	NS	NA	10/3/2011	34	NS	NA	NS	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
NA = Not Applicable
Exceedances are shown in yellow
Values in () parentheses are the field pH measurements for the resampled analyses.

Table 3 – GWCL Exceedances for First Quarter 2017 under the August 24, 2012 GWDP

			Q1 2012 Results						Q2 2012 Results						Q3 2012 Results						Q4 2012 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2012 Monthly Sample Date	January 2012 Monthly Result	Q1 2012 Sample Date	Q1 2012 Result	March 2012 Monthly Sample Date	March 2012 Monthly Result	April 2012 Monthly Sample Date	April 2012 Monthly Result	Q2 2012 Sample Date	Q2 2012 Result	June 2012 Monthly Sample Date	June 2012 Monthly Result	Q3 2012 Sample Date	Q3 2012 Result	August 2012 Monthly Sample Date	August 2012 Monthly Result	September 2012 Monthly Sample Date	September 2012 Monthly Result	October 2012 Monthly Sample Date	October 2012 Monthly Result	Q4 2012 Sample Date	Q4 2012 Result	December 2012 Monthly Sample Date	December 2012 Monthly Result
Required Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/26/2012	102	2/13/2012	***154***	3/13/2012	121	4/10/2012	***132***	5/8/2012	127	6/19/2012	122	7/11/2012	***135***	8/7/2012	***166***	9/19/2012	130	10/23/2012	***161***	11/12/2012	***138***	12/24/2012	***137***
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/24/2012	***6.36***	2/21/2012	6.57	3/14/2012	6.51	4/12/2012	6.97	5/9/2012	6.73	6/19/2012	6.90	7/11/2012	6.89	8/7/2012	6.58	9/18/2012	7.08	10/23/2012	6.83	11/27/2012	6.52	12/18/2012	6.60
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/25/2012	6.63	2/14/2012	6.83	3/14/2012	6.55	4/9/2012	6.58	5/2/2012	6.73	6/18/2012	6.99	7/10/2012	6.88	8/6/2012	6.55	9/18/2012	6.54	10/22/2012	6.54	11/12/2012	***6.47***	12/24/2012	6.62
	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***	2/1/2012 2/21/2012 2/8/2012	***6.72*** (6.91) ***(6.71)***		***6.39***		6.88		7.00 (7.01)		7.00	7/11/2012 8/16/2012	7.10 (6.80)		***6.60***		7.40		***6.63***		***6.60***		6.78
	Methylene Chloride (ug/L)	5		***13***	2/15/2012	***24***		***27***		***20***		***10***		***16***	8/16/2012	4.9		***17***		***9.8***		***15.0***		***34.6***		***5.5***
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/24/2012	***17***	2/14/2012	***17***	3/14/2012	***18***	4/10/2012	***17***	5/2/2012	***16***	6/18/2012	***15***	7/10/2012	***17***	8/7/2012	***18***	9/19/2012	***16***	10/23/2012	***16.2***	11/13/2012	***18.5***	12/26/2012	***17.2***
	Chloride (mg/L)	128		124		126		128		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		NA		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***
	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-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)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/28/2012	7.57	NS	NA	NS	NA	5/9/2012	7.38	NS	NA	7/16/2012	7.60	NS	NA	NS	NA	NS	NA	11/27/2012	7.32	NS	NA
	Uranium (ug/L)	7.5				***18.6***						1.23				0.75								0.402		
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
	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
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)	Chloride (mg/L)	35.39	NS	NA	2/21/2012	NA	NS	NA	NS	NA	4/30/2012	33	NS	NA	7/9/2012	1.4	NS	NA	NS	NA	NS	NA	11/6/2012	32.1	NS	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

NA = Not Applicable

Exceedances are shown in yellow

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

Table 3 – GWCL Exceedances for First Quarter 2017 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
	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***
	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-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)	Field pH (S.U.)	6.5 - 8.5	NS	NA	3/11/2013	7.39	NS	NA	NS	NA	5/14/2013	8.01	NS	NA	7/18/2013	7.39	NS	NA	NS	NA	NS	NA	12/4/2013	7.58	NS	NA
	Uranium (ug/L)	7.5				***36***						1.33				0.574								***20.1***		
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
	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
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)	Chloride (mg/L)	35.39	NS	NA	2/19/2013	NA	NS	NA	NS	NA	5/13/2013	32.3	NS	NA	7/9/2013	NA	NS	NA	NS	NA	NS	NA	11/18/2013	33.7	NS	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

NA = Not Applicable

Exceedances are shown in yellow

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

Table 3 – GWCL Exceedances for First Quarter 2017 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***
	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***
	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-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)	Field pH (S.U.)	6.5 - 8.5	NS	NA	NS	NA	2/12/2014	6.87	NS	NA	NS	NA	6/4/2014	7.58	NS	NA	NS	NA	9/11/2014	7.13	NS	NA	11/12/2014	6.92	NS	NA
	Uranium (ug/L)	7.5		NA		NA		***22.0***		NA		NA		2.42		NA		NA		0.90		NA		***36.20***		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
	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
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)	Chloride (mg/L)	35.39	NS	NA	NS	NA	2/11/2014	NA	NS	NA	NS	NA	5/23/2014	***35.6***	NS	NA	NS	NA	8/26/2014	***34***	NS	NA	11/5/2014	33.3	NS	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 First Quarter 2017 under the August 24, 2012 GWDP

			Q1 2015 Results						Q2 2015 Results						Q3 2015 Results						Q4 2015 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2015 Monthly Sample Date	January 2015 Monthly Result	Q1 2015 Sample Date	Q1 2015 Result	March 2015 Monthly Sample Date	March 2015 Monthly Result	Q2 2015 Sample Date	Q2 2015 Result	May 2015 Monthly Sample Date	May 2015 Monthly Result	June 2015 Monthly Sample Date	June 2015 Monthly Result	July 2015 Monthly Sample Date	July 2015 Monthly Result	Q3 2015 Sample Date	Q3 2015 Result	September 2015 Monthly Sample Date	September 2015 Monthly Result	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***
	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
	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-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)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/10/2015	6.99	NS	NA	4/21/2015	7	NS	NA	NS	NA	NS	NA	7/21/2015	6.97	NS	NA	NS	NA	11/4/2015	7.43	NS	NA
	Uranium (ug/L)	7.5				2.94				1.3								0.887						2.35		
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

			Q1 2015 Results						Q2 2015 Results						Q3 2015 Results							Q4 2015 Results				
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2015 Monthly Sample Date	January 2015 Monthly Result	Q1 2015 Sample Date	Q1 2015 Result	March 2015 Monthly Sample Date	March 2015 Monthly Result	Q2 2015 Sample Date	Q2 2015 Result	May 2015 Monthly Sample Date	May 2015 Monthly Result	June 2015 Monthly Sample Date	June 2015 Monthly Result	July 2015 Monthly Sample Date	July 2015 Monthly Result	Q3 2015 Sample Date	Q3 2015 Result	September 2015 Monthly Sample Date	September 2015 Monthly Result	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	5/28/2015 6/24/2015	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		***5.39, 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
	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
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)	Chloride (mg/L)	35.39	NS	NA	3/17/2015	[redacted]	NS	NA	4/8/2015	***37.8***	NS	NA	NS	NA	NS	NA	7/23/2015	***37.3***	NS	NA	NS	NA	11/3/2015	34.1	NS	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.

[redacted] from the quarterly chloroform sample

Table 3 – GWCL Exceedances for First Quarter 2017 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
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***
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***
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
	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
	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***
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***
	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
	Chloroform (ug/L)	70		***2370***		***3530***		***2280***		***2060***		***1720***		***1860***		***3300***		***2950***		***3950***		***1660***		***2440***		***2970***
	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***
	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***
	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***
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***
	Chloride (mg/L)	128		***143***		***145***		***142***		***144***		***139***		***142***		***137***		***150***		***146***		***148***		***143***		***158***
	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***
	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***
	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
	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***
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***
	TDS (mg/L)	1320		***1560***		***1490***		***1580***		***1710***		***1550***		***1580***		***1610***		***1710***		***1570***		***1670***		***1690***		***1670***
	Chloride (mg/L)	143		***228***		***246***		***228***		***254***		***243***		***252***		***241***		***272***		***254***		***260***		***267***		***274***
	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***
	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
	Uranium (ug/L)	9.1		NS		8.41		NS		NS		9.05		NS		NS		***9.41***		NS		NS		***9.56***		***10.3***
	Sulfate (mg/L)	532		***675***		***631***		***654***		***715***		***699***		***748***		***712***		***766***		***703***		***720***		***752***		***748***
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
	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
	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
	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***
	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***
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
	Field pH (S.U.)	6.77 - 8.5		NA		7.06		NA		NA		***6.36***		NA		NA		7.21		NA		NA		***6.54***		NA
	Sulfate (mg/L)	838		NA		812		NA		NA		825		NA		NA		***866***		NA		NA		720		NA
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
	Sulfate (mg/L)	3640		NA		3580		NA		NA		3580		NA		NA		3390		NA		NA		3440		NA
	Selenium (ug/L)	89		NA		***91.5***		NA		NA		***103***		NA		NA		75.7		NA		NA		***142***		NA
MW-05 (Class II)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/15/2016	7.44	NS	NA	NS	NA	4/21/2016	6.92	NS	NA	NS	NA	8/19/2016	7.29	NS	NA	NS	NA	11/9/2016	6.81	NS	NA
	Uranium (ug/L)	7.5				1.15						0.869						0.688						0.661		
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
	Field pH (S.U.)	6.5 - 8.5		NA		***6.36***		NA		NA		***6.31***		NA		NA		6.84		NA		NA		***6.43***		NA
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
	Field pH (S.U.)	6.62 - 8.5		NA		***6.30***		NA		NA		***6.02***		NA		NA		6.71		NA		NA		6.68		NA

			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
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
	Sulfate (mg/L)	1938.9		NA		1890		NA		NA		1890		NA		NA		***1960***		NA		NA		1780		NA
	Field pH (S.U.)	6.25-8.5		NA		***6.10***		NA		NA		***5.93***		NA		NA		6.64		NA		NA		6.55		NA
	TDS (mg/L)	3198.77		NA		3130		NA		NA		3190		NA		NA		3180		NA		NA		3140		NA
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	2/9/2016	***6.76***	NS	NA	NS	NA	4/19/2016	***6.25***	NS	NA	NS	NA	8/23/2016	7.07	NS	NA	NS	NA	11/7/2016	***6.47***	NS	NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		2.44		NA		NA		2.63		NA		NA		2.62		NA		NA		2.68		NA
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
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
	Fluoride (mg/L)	0.36		NA		0.117		NA		NA		***0.446***		NA		NA		0.135		NA		NA		0.345		NA
	Sulfate (mg/L)	2903		NA		2750		NA		NA		2760		NA		NA		2460		NA		NA		2490		NA
	Thallium (ug/L)	1		NA		***2.04***		NA		NA		***2.10***		NA		NA		***1.57***		NA		NA		***1.46***		NA
	Field pH (S.U.)	6.5 - 8.5		NA		***5.95***		NA		NA		***4.83***		NA		NA		***6.00***		NA		NA		***5.48***		NA
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	2/2/2016	***6.50***	NS	NA	NS	NA	4/20/2016	***7.40***	NS	NA	NS	NA	8/24/2016	***6.46***	NS	NA	NS	NA	11/1/2016	***6.89***	NS	NA
	Chloride (mg/L)	38		NA		***47.3***		NA		NA		***43.1***		NA		NA		***42.3***		NA		NA		***43.2***		NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.59		NA		NA		6.54		NA		NA		7.36		NA		NA		6.93		NA
	TDS (mg/L)	1075		NA		1050		NA		NA		1020		NA		NA		960		NA		NA		908		NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	2/2/2016	***130***	NS	NA	NS	NA	4/20/2016	***121***	NS	NA	NS	NA	9/1/2016	***127***	NS	NA	NS	NA	11/1/2016	***126***	NS	NA
	Cadmium (ug/L)	5.2		NA		***5.26***		NA		NA		4.90		NA		NA		5.14		NA		NA		4.84		NA
	Uranium (ug/L)	4.9		NA		4.61		NA		NA		3.95		NA		NA		4.71		NA		NA		4.09		NA
	Vanadium (ug/L)	30		NA		<15.0		NA		NA		<15.0		NA		NA		<15.0		NA		NA		<15.0		NA
	Field pH (S.U.)	6.1 - 8.5		NA		***5.46***		NA		NA		***5.73***		NA		NA		6.56		NA		NA		6.21		NA
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	2/10/2016	***4410***	NS	NA	NS	NA	4/27/2016	4100	NS	NA	NS	NA	9/1/2016	***4410***	NS	NA	NS	NA	11/8/2016	4090	NS	NA
	Sulfate (mg/L)	2946		NA		2710		NA		NA		2730		NA		NA		2750		NA		NA		2290		NA
	Field pH (S.U.)	6.46 - 8.5		NA		6.47		NA		NA		***6.03***		NA		NA		6.78		NA		NA		***6.35***		NA
MW-32 (Class III)	Chloride (mg/L)	35.39	NS	NA	2/3/2016	***38.2***	NS	NA	NS	NA	4/20/2016	***36.3***	NS	NA	NS	NA	8/17/2016	***38.3***	NS	NA	NS	NA	10/31/2016	***39.1***	NS	NA
	Sulfate (mg/L)	2556.70		NA		NA		NA		NA		2220		NA		NA		NA		NA		NA		***2590***		NA
	Field pH (S.U.)	6.4 - 8.5		NA		***5.99***		NA		NA		***6.06***		NA		NA		***6.29***		NA		NA		***6.38***		NA

Notes:

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

NS = Not Required and Not Sampled

NR = Required and Not Reported

NA = Not Applicable

Exceedances are shown in yellow

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

Table 3 – GWCL Exceedances for First Quarter 2017 under the August 24, 2012 GWDP

Q1 2017									
Monitoring Well (Water Class)	**Constituent Exceeding GWCL**	**GWCL in August 24, 2012 GWDP**	**January 2017 Monthly Sample Date**	**January 2017 Monthly Result**	**Q1 2017 Sample Date**	**Q1 2017 Result**	**March 2017 Monthly Sample Date**	**March 2017 Monthly Result**	**Sample Frequency**
Required Quarterly Sampling Wells									
MW-11 (Class II)	Manganese (ug/L)	131.29	1/18/2017	***152***	2/8/2017	***162***	3/6/2017	***144***	Quarterly
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/18/2017	***6.36***	2/2/2017	***6.34***	3/7/2017	***6.35***	Quarterly
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/17/2017	***6.40***	2/7/2017	***6.34***	3/7/2017	6.62	Quarterly
	Cadmium (ug/L)	1.5		1.42		1.45		1.46	Quarterly
	Uranium (ug/L)	6.5		***6.54***		***6.60***		6.39	Quarterly
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/19/2017	***0.875***	2/9/2017	***0.662***	3/7/2017	***1.72***	Quarterly
	Uranium (ug/L)	41.8		***59.0***		***61.9***		30.9	Quarterly
	Chloroform (ug/L)	70		***1380***		***1740***		***2030***	Quarterly
	Chloride (mg/L)	58.31		***60.7***		57.1		***61.7***	Quarterly
	Field pH (S.U.)	6.74 - 8.5		***6.67***		***6.42***		***6.06***	Quarterly
	Methylene Chloride (ug/L)	5		3.65		4.12		***9.46***	Quarterly
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/18/2017	***19.0***	2/2/2017	***17.4***	3/7/2017	***18.1***	Quarterly
	Chloride (mg/L)	128		***150***		***150***		***147***	Quarterly
	Uranium (ug/L)	8.32		8.01		7.62		7.89	Quarterly
	Field pH (S.U.)	6.5 - 8.5		6.61		***6.40***		6.68	Quarterly
	Fluoride (mg/L)	0.51		0.373		0.374		0.351	Quarterly
	Selenium (ug/L)	34		***43.0***		***40.0***		***40.8***	Quarterly
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/17/2017	***20.9***		***21.1***	3/6/2017	***20.4***	Quarterly
	TDS (mg/L)	1320		***1730***		***1680***		***1690***	Quarterly
	Chloride (mg/L)	143		***287***		***266***		***250***	Quarterly
	Selenium (ug/L)	71		***82.7***		***89.4***		***82.9***	Quarterly
	Field pH (S.U.)	6.5 - 8.5		6.75		***6.30***		***6.39***	Quarterly
	Uranium (ug/L)	9.1		9.03		***9.92***		***9.62***	Quarterly
	Sulfate (mg/L)	532		***809***		***751***		***741***	Quarterly
MW-35 (Class II)	Manganese (ug/L)	200	1/18/2017	***216***		189	3/6/2017	***201***	Quarterly
	Gross Alpha minus Rn & U (pCi/L)	3.75		***3.81***		3.19		***4.13***	Quarterly
	Field pH (S.U.)	6.5 - 8.5		***6.39***		***6.28***		***6.36***	Quarterly
	Selenium (ug/L)	12.5		8.93		***19.30***		8.09	Quarterly
	Uranium (ug/L)	7.5		***21.2***		***21.1***		***20.7***	Quarterly
Required Semi-Annual Sampling Wells									
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	1/31/2017	***22.8***	NS	NA	Semi-Annually
	Field pH (S.U.)	6.77 - 8.5		NA		***6.60***		NA	Semi-Annually
	Sulfate (mg/L)	838		NA		799		NA	Semi-Annually
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/9/2017	6.50	NS	NA	Semi-Annually
	Sulfate (mg/L)	3640		NA		2800		NA	Semi-Annually
	Selenium (ug/L)	89		NA		85.2		NA	Semi-Annually
MW-05 (Class II)	Field pH (S.U.)	6.50	NS	NA	1/25/2017	***6.46***	NS	NA	Semi-Annually
	Uranium (ug/L)	7.5				***145***			Semi-Annually
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	1/25/2017	***34.6***	NS	NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		6.71		NA	Semi-Annually
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	1/24/2017	112	NS	NA	Semi-Annually
	Field pH (S.U.)	6.62 - 8.5		NA		6.67		NA	Semi-Annually

Q1 2017									
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2017 Monthly Sample Date	January 2017 Monthly Result	Q1 2017 Sample Date	Q1 2017 Result	March 2017 Monthly Sample Date	March 2017 Monthly Result	Sample Frequency
Required Semi-Annual Sampling Wells, continued									
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	2/1/2017	***2.41***	NS	NA	Semi-Annually
	Sulfate (mg/L)	1938.9		NA		1750		NA	Semi-Annually
	Field pH (S.U.)	6.25-8.5		NA		6.30		NA	Semi-Annually
	TDS (mg/L)	3198.77		NA		3060		NA	Semi-Annually
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	1/31/2017	***6.50***	NS	NA	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		2.77		NA	Semi-Annually
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	1/31/2017	***6.45***	NS	NA	Semi-Annually
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	3/8/2017	2.18	NS	NA	Semi-Annually
	Fluoride (mg/L)	0.36		NA		0.189		NA	Semi-Annually
	Sulfate (mg/L)	2903		NA		2470		NA	Semi-Annually
	Thallium (ug/L)	1		NA		***1.04***		NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		***4.96***		NA	Semi-Annually
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	1/24/2017	***7.24***	NS	NA	Semi-Annually
	Chloride (mg/L)	38		NA		***41.1***		NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		6.85		NA	Semi-Annually
	TDS (mg/L)	1075		NA		928		NA	Semi-Annually
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	1/25/2017	***131***	NS	NA	Semi-Annually
	Cadmium (ug/L)	5.2		NA		***5.23***		NA	Semi-Annually
	Uranium (ug/L)	4.9		NA		***5.68***		NA	Semi-Annually
	Vanadium (ug/L)	30		NA		<15		NA	Semi-Annually
	Field pH (S.U.)	6.1 - 8.5		NA		6.17		NA	Semi-Annually
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	1/26/2017	4200	NS	NA	Semi-Annually
	Sulfate (mg/L)	2946		NA		2670		NA	Semi-Annually
	Field pH (S.U.)	6.46 - 8.5		NA		6.90		NA	Semi-Annually
MW-32 (Class III)	Chloride (mg/L)	35.39	NS	NA	2/1/2017	31.9	NS	NA	Semi-Annually
	Sulfate (mg/L)	2556.70		NA		2090		NA	Semi-Annually
	Field pH (S.U.)	6.4 - 8.5		NA		***6.19***		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.

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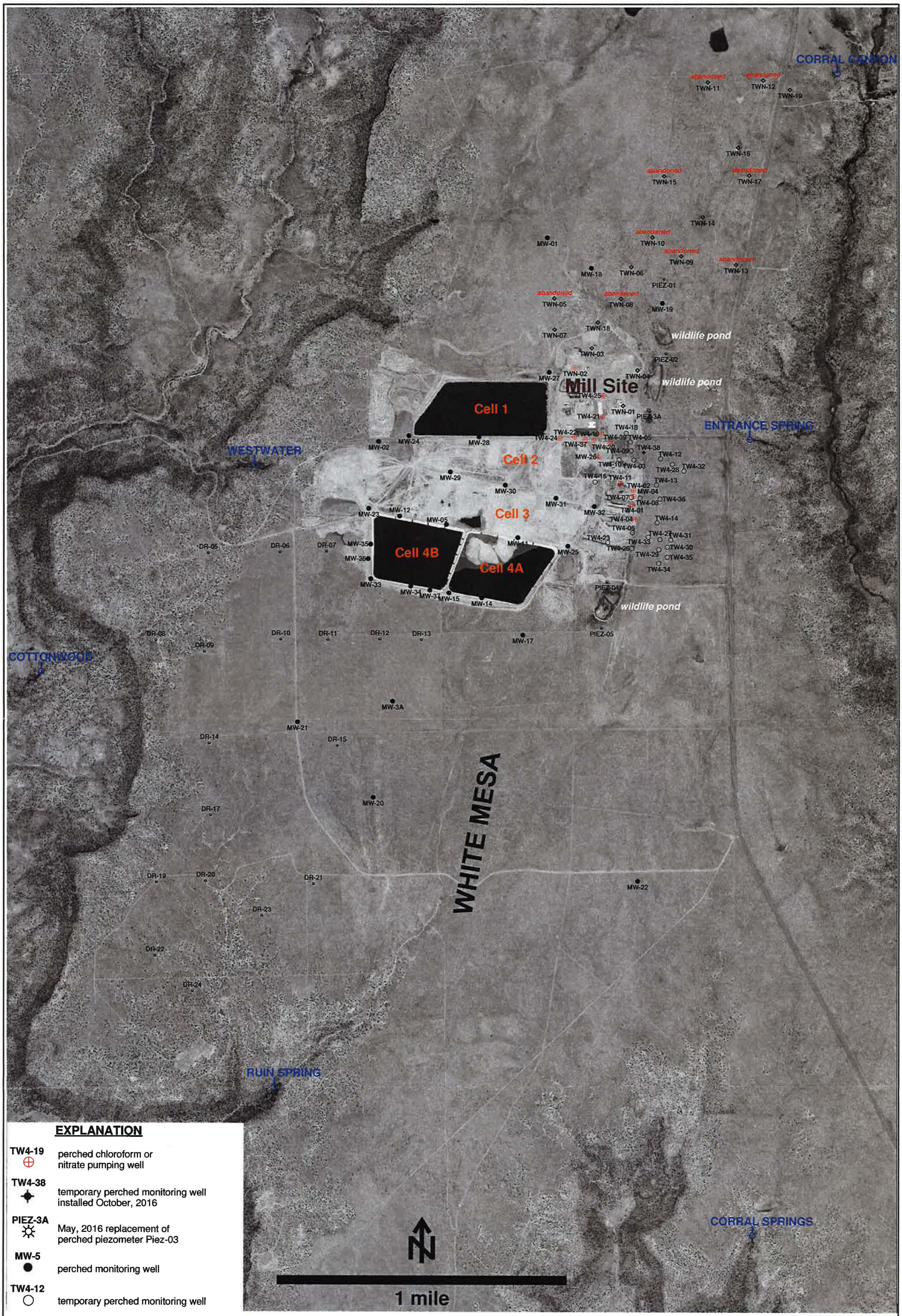
Tab A

Site Plan and Perched Well Locations White Mesa Site



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: 1ST Quarter Ground Water 2017

Location (well name): MW-01

Sampler Name and initials: Tanner Holliday TH

Field Sample ID: MW-01_01312017

Date and Time for Purging: 1/31/2017 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): 118.00

Depth to Water Before Purging: 64.38 Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 19.67 (.367h)

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

Time	1442	Gal. Purged	39.49
Conductance	1865	pH	6.50
Temp. °C	15.00		
Redox Potential Eh (mV)	472		
Turbidity (NTU)	0		

Time	1443	Gal. Purged	39.71
Conductance	1843	pH	6.53
Temp. °C	14.95		
Redox Potential Eh (mV)	468		
Turbidity (NTU)	0		

Time	1444	Gal. Purged	39.92
Conductance	1829	pH	6.56
Temp. °C	14.94		
Redox Potential Eh (mV)	466		
Turbidity (NTU)	0		

Time	1445	Gal. Purged	40.14
Conductance	1838	pH	6.60
Temp. °C	14.95		
Redox Potential Eh (mV)	465		
Turbidity (NTU)	0		

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 = 181.36

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	☐	☒		☐	☒
Sulfate								
Chloride								

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

Final Depth: 93.21 Sample Time: 1445

See instruction

Comment

Arrived on site at 1135. Tanner and Garrin present for purge and sampling event. Purge began at 1140. Purged well for a total of 185 minutes. Purge ended and sample was collected at 1445. water was clear Left site at 1450

MW-01 01-31-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-03A

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: ~~MW-03A_02082017~~ MW-03A_02092017

Date and Time for Purging: 2/8/2017 and Sampling (if different): ~~N/A~~ 2/9/2017

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: 84.31

Casing Volume (V) 4" Well: 6.98 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	0855	Gal. Purged	14.56
Conductance	5764	pH	6.10
Temp. °C	15.01		
Redox Potential Eh (mV)	491		
Turbidity (NTU)	0		

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

Time	0939	Gal. Purged	0
Conductance	5901	pH	6.51
Temp. °C	14.45		
Redox Potential Eh (mV)	445		
Turbidity (NTU)	0		

Before

Time	0947	Gal. Purged	0
Conductance	3914	pH	6.50
Temp. °C	14.60		
Redox Potential Eh (mV)	458		
Turbidity (NTU)	0		

After

Volume of Water Purged | 14.56 | gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = | 67.12 |

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

If well evacuated to dryness, number of gallons evacuated | 14.56 |

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

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

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

Final Depth | 92.11 | Sample Time | 0940 |

See instruction

Comment

Arrived on site at 0740. Tanner and Garrin present for purge.
Purge began at 0745. Purged well for a total of 70 minutes. Purged well dry!
Purge ended at 0855. Water was clear. Left site at 0900
Arrived on site at 0937 Garrin present to collect samples. Depth to water was 88.03
Samples collected at 0940. Left site at 0948

MW-03A 02-08-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-05

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-05_01252017

Date and Time for Purging: 1/25/2017 and Sampling (if different): N/A

Well Purging Equip Used: ☑ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☑ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-12

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 138.50

Depth to Water Before Purging: 105.86

Casing Volume (V) 4" Well: 21.31 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

Ext'l Amb. Temp. °C (prior sampling event): ~~-8°~~ -5°

Time	1402	Gal. Purged	42.74		
Conductance	2725	pH	6.30		
Temp. °C	13.95				
Redox Potential Eh (mV)	435				
Turbidity (NTU)	0				

Time	1403	Gal. Purged	42.96		
Conductance	2724	pH	6.35		
Temp. °C	13.97				
Redox Potential Eh (mV)	430				
Turbidity (NTU)	0				

Time	1404	Gal. Purged	43.18		
Conductance	2733	pH	6.43		
Temp. °C	14.00				
Redox Potential Eh (mV)	426				
Turbidity (NTU)	0				

Time	1405	Gal. Purged	43.40		
Conductance	2732	pH	6.46		
Temp. °C	13.98				
Redox Potential Eh (mV)	423				
Turbidity (NTU)	0				

Volume of Water Purged: 43.40 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 196.44

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: 122.90 Sample Time: 1405

See instruction

Comment

Arrived on site at 1041. Tanner and Garrin present for purge and sampling event.
Purge began at 1045. Purged well for a total of 200 minutes.
Purge ended and sample was collected at 1405.
Water was clear. Left site at 1410

MW-05 01-25-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_02082017

Date and Time for Purging: 2/8/2017 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-35

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): ~~95~~ 130.00 130.00

Depth to Water Before Purging: 85.75

Casing Volume (V) 4" Well: 28.89 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1157	Gal. Purged	51.53
Conductance	2926	pH	6.96
Temp. °C	14.90		
Redox Potential Eh (mV)	449		
Turbidity (NTU)	2.0		

Time	1158	Gal. Purged	58.15
Conductance	2921	pH	6.97
Temp. °C	14.89		
Redox Potential Eh (mV)	444		
Turbidity (NTU)	7.0		

Time	1159	Gal. Purged	58.37
Conductance	2934	pH	6.97
Temp. °C	14.82		
Redox Potential Eh (mV)	441		
Turbidity (NTU)	2.0		

Time	1200	Gal. Purged	58.57
Conductance	2928	pH	6.99
Temp. °C	14.81		
Redox Potential Eh (mV)	439		
Turbidity (NTU)	2.1		

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 = 266.31

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs: AWAL 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: 86.01 Sample Time: 1200

See instruction

Comment

Arrived on site at 0726. Tanner and Garrin present for purge and sampling event. Purge began at 0730. Purge ended and samples collected at 1200. Purged well for a total of 270 minutes. water was clear Left site at 1216

MW-11 02-08-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-12

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-12_01252017

Date and Time for Purging: 1/25/2017 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): 130.40

Depth to Water Before Purging: 108.08

Casing Volume (V) 4" Well: 14.57 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1027	Gal. Purged	29.72
Conductance	3803	pH	6.78
Temp. °C	14.41		
Redox Potential Eh (mV)	454		
Turbidity (NTU)	4.1		

Time	1028	Gal. Purged	29.94
Conductance	3824	pH	6.75
Temp. °C	14.35		
Redox Potential Eh (mV)	455		
Turbidity (NTU)	4.2		

Time	1029	Gal. Purged	30.16
Conductance	3826	pH	6.73
Temp. °C	14.38		
Redox Potential Eh (mV)	457		
Turbidity (NTU)	4.4		

Time	1030	Gal. Purged	30.38 30.38
Conductance	3820	pH	6.71
Temp. °C	14.30		
Redox Potential Eh (mV)	457		
Turbidity (NTU)	4.4		

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 = 134.33

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	☐	☐		☐	☐

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

Final Depth: 117.46 Sample Time: 1030

See instruction

Comment

Arrived on site at 0806. Tanner and Garrin present for purge and sampling event.
Purge began at 0810. Purged well for a total of 140 minutes
Purge ended and samples collected at 1030.
Water was clear. Left site at 1034

MW-12 01-25-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-14_02022017

Date and Time for Purging: 2/2/2017 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): 128.70

Depth to Water Before Purging: 102.80

Casing Volume (V) 4" Well: 16.91 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1042	Gal. Purged	34.06
Conductance	3899	pH	6.25
Temp. °C	14.08		
Redox Potential Eh (mV)	482		
Turbidity (NTU)	0		

Time	1043	Gal. Purged	34.28
Conductance	3914	pH	6.29
Temp. °C	14.07		
Redox Potential Eh (mV)	475		
Turbidity (NTU)	0		

Time	1044	Gal. Purged	37.50
Conductance	3920	pH	6.30
Temp. °C	14.10		
Redox Potential Eh (mV)	473		
Turbidity (NTU)	0		

Time	1045	Gal. Purged	34.72
Conductance	3909	pH	6.34
Temp. °C	14.05		
Redox Potential Eh (mV)	472		
Turbidity (NTU)	0		

Volume of Water Purged: 34.72 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = .211

Time to evacuate two casing volumes (2V)
T = 2V/Q = 155.87

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: 103.30 Sample Time: 1045

See instruction

Comment

Arrived on site at 0801. Tanner and Garrin present for purge and sampling event.
Purge began at 0805. Purged well for a total of 160 minutes.
Purge ended and samples were collected at 1045. water was clear.
Left site at 1100

MW-14 02-02-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-15

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-15_01242017

Date and Time for Purging: 1/24/2017 and Sampling (if different): N/A

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

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW Prev. Well Sampled in Sampling Event: MW-27

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

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

Depth to Water Before Purging: 105.46 Casing Volume (V) 4" Well: 20.59 (.653h)
3" Well: 0 (.367h)

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

Time	1207	Gal. Purged	40.57
Conductance	3782	pH	6.72
Temp. °C	16.69		
Redox Potential Eh (mV)	456		
Turbidity (NTU)	28		

Time	1208	Gal. Purged	40.79
Conductance	3788	pH	6.70
Temp. °C	16.74		
Redox Potential Eh (mV)	457		
Turbidity (NTU)	29		

Time	1209	Gal. Purged	41.01
Conductance	3702	pH	6.68
Temp. °C	16.80		
Redox Potential Eh (mV)	457		
Turbidity (NTU)	2.9		

Time	1210	Gal. Purged	41.23
Conductance	3705	pH	6.67
Temp. °C	16.85		
Redox Potential Eh (mV)	458		
Turbidity (NTU)	29		

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 = [189.82]

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	☐	☐		☐	☐

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

Final Depth [106.91] Sample Time [1210]

See instruction

Comment

Arrived on site at 0855. Tanner and Garrin present for purge and sampling event
Purge began at 0900. Purged well for a total of 190 minutes.
Purge ended and samples collected at 1210. water was clear.
Left site at 1214

[MW-15 01-24-2017] Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-18

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-18_02012017

Date and Time for Purging: 2/1/2017 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-01

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 134.00

Depth to Water Before Purging: 72.40

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

Weather Cond.: Partly Cloudy

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

Time	1357	Gal. Purged	81.80
Conductance	3252	pH	6.30
Temp. °C	13.91		
Redox Potential Eh (mV)	440		
Turbidity (NTU)	1.5		

Time	1358	Gal. Purged	82.02
Conductance	3246	pH	6.29
Temp. °C	13.95		
Redox Potential Eh (mV)	440		
Turbidity (NTU)	1.5		

Time	1359	Gal. Purged	82.24
Conductance 1359	3248	pH	6.30
Temp. °C	13.89		
Redox Potential Eh (mV)	440		
Turbidity (NTU)	1.5		

Time	1400	Gal. Purged	82.46
Conductance	3245	pH	6.30
Temp. °C	13.90		
Redox Potential Eh (mV)	440		
Turbidity (NTU)	1.5		

Volume of Water Purged: 82.16 gallon(s)

Pumping Rate Calculation

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

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

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

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

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

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

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

Final Depth: 73.05

Sample Time: 1400

See instruction

Comment

Arrived on site at 0735. Tanner and Garrin present for purge and sampling event. Purge began at 0740. Purged well for a total of 380 minutes Purge ended and samples collected at 1400. Water was clear. Left site at 1408.

MW-18 02-01-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-19

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-19_01312017

Date and Time for Purging: 1/31/2017 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-29

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 149.00

Depth to Water Before Purging: 62.75

Casing Volume (V) 4" Well: 56.32 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

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

Time	1457	Gal. Purged	116.52
Conductance	1280	pH	6.50
Temp. °C	14.48		
Redox Potential Eh (mV)	460		
Turbidity (NTU)	2.5		

Time	1458	Gal. Purged	116.74
Conductance	1278	pH	6.50
Temp. °C	14.45		
Redox Potential Eh (mV)	460		
Turbidity (NTU)	2.6		

Time	1459	Gal. Purged	116.96
Conductance	1279	pH	6.50
Temp. °C	14.47		
Redox Potential Eh (mV)	459		
Turbidity (NTU)	2.6		

Time	1500	Gal. Purged	117.18
Conductance	1280	pH	6.50
Temp. °C	14.48		
Redox Potential Eh (mV)	459		
Turbidity (NTU)	2.7		

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 = 519.08

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

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: 68.32 Sample Time: 1500

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 540 minutes. Purge ended and sample was collected at 1500. Water was clear

Left site at 1505

MW-19 01-31-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-23

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-23_01312017

Date and Time for Purging: 1/31/2017 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-19

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 132.00

Depth to Water Before Purging: 119.00

Casing Volume (V) 4" Well: 11.75 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

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

Time	1112	Gal. Purged	23.21
Conductance	3543	pH	6.45
Temp. °C	16.42		
Redox Potential Eh (mV)	481		
Turbidity (NTU)	6.0		

Time	1113	Gal. Purged	23.43
Conductance	3546	pH	6.45
Temp. °C	16.45		
Redox Potential Eh (mV)	480		
Turbidity (NTU)	6.0		

Time	1114	Gal. Purged	23.65
Conductance	3545	pH	6.46
Temp. °C	16.50		
Redox Potential Eh (mV)	480		
Turbidity (NTU)	6.1		

Time	1115	Gal. Purged	23.87
Conductance	3542	pH	6.45
Temp. °C	16.48		
Redox Potential Eh (mV)	479		
Turbidity (NTU)	6.1		

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 = 108.33

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~~ 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: 127.48 Sample Time: 1115

See instruction

Comment

Arrived on site at 0920. Tanner and Garrin present for purge. Purge began at 0925. Purged well for a total of 110 minutes Flow rate decreased as we pumped the well. Purge ended at 1115. water was mostly clear. Left site at 1118.

MW-23 01-31-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water

Location (well name): MW-24

Sampler Name and initials: Tanner Holliday TH

Field Sample ID: MW-24_03082017

Date and Time for Purging: 3/7/2017 and Sampling (if different): 3/8/2017

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 Quarterly

Prev. Well Sampled in Sampling Event: MW-37

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: 112.80

Casing Volume (V) 4" Well: 4.70 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1300	Gal. Purged	9.6
Conductance	4315	pH	5.95
Temp. °C	14.96	14.96	
Redox Potential Eh (mV)	518		
Turbidity (NTU)	3.8		

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

Time	1020	Gal. Purged	0
Conductance	4474	pH	~~4.90~~ 4.93 4.93
Temp. °C	14.65		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	1025	Gal. Purged	0
Conductance	4487	pH	4.96
Temp. °C	14.62		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 9.6 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 48.97

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

If well evacuated to dryness, number of gallons evacuated: 9.6

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

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

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

Final Depth: 117.98 Sample Time: 1020

See instruction

Comment

Arrived on site at 1206. Tanner and Garrin present for purge. Purge began at 1210. Purged well for a total of 50 minutes. Purged well dry! Purge ended at 1300 water was clear. Left site at 1302

Arrived on site at 1015. Tanner and Garrin present to collect samples. Depth to water was 112.80. Samples collected at 1020. Left site at 1026

MW-24 03-07-2017 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_02072017

Date and Time for Purging: 2/7/2017 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-31

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 77.47

Casing Volume (V) 4" Well: 24.50 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1132	Gal. Purged	51.42
Conductance	3159	pH	6.30
Temp. °C	14.23		
Redox Potential Eh (mV)	529		
Turbidity (NTU)	2.0		

Time	1133	Gal. Purged	51.64
Conductance	3165	pH	6.31
Temp. °C	14.22		
Redox Potential Eh (mV)	527		
Turbidity (NTU)	4.0		

Time	1134	Gal. Purged	51.86
Conductance	3156	pH	6.33
Temp. °C	14.16		
Redox Potential Eh (mV)	528		
Turbidity (NTU)	3.9		

Time	1135	Gal. Purged	52.08
Conductance	3160	pH	6.34
Temp. °C	14.16		
Redox Potential Eh (mV)	525		
Turbidity (NTU)	4.0		

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 = 225.87

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: 79.51 Sample Time: 1135

See instruction

Comment

Arrived on site at 0731. Tanner and Garrin present for purge and sampling event. Purge began at 0735. Purged well for a total of 240 minutes. Purge ended and samples were collected at 1135. Water was mostly clear. Left site at 1145

MW-25 02-07-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_02092017

Date and Time for Purging: 2/9/2017 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-03A

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: 64.25

Casing Volume (V) 4" Well: 37.27 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	0944	Gal. Purged	0
Conductance	3536	pH	6.42
Temp. °C	15.78		
Redox Potential Eh (mV)	480		
Turbidity (NTU)	0		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 7.45

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: 86.48 Sample Time: 0945

See instruction

Comment

Arrived on site at 0942. Tanner present to collect samples

Samples collected at 0945. water was clear

Left site at 0950

MW-26 02-09-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1st Quarter Ground Water 2017

Location (well name): MW-27_01242017

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: ~~1/24/2017~~ MW-27_01242017

Date and Time for Purging: 1/24/2017 and Sampling (if different): N/A

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

Purging Method Used: ☑ 2 casings ☐ 3 casings

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

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

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

Depth to Water Before Purging: 54.05 Casing Volume (V) 4" Well: 26.74 (.653h)
3" Well: 0 (.367h)

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

Time	1252	Gal. Purged	53.59
Conductance	1320	pH	6.89
Temp. °C	14.34		
Redox Potential Eh (mV)	430		
Turbidity (NTU)	0		

Time	1253	Gal. Purged	53.81
Conductance	1314	pH	6.87
Temp. °C	14.34		
Redox Potential Eh (mV)	430		
Turbidity (NTU)	0		

Time	1254	Gal. Purged	54.03
Conductance	1314	pH	6.87
Temp. °C	14.40		
Redox Potential Eh (mV)	430		
Turbidity (NTU)	0		

Time	1255	Gal. Purged	54.25
Conductance	1312	pH	6.85
Temp. °C	14.38		
Redox Potential Eh (mV)	430		
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 = 246.45

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

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								
TDS								

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

Final Depth: 55.55 Sample Time: 1255

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 250 minutes. Purge ended and samples collected at 1255. water was clear. Left site at 1302

MW-27 01-24-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-28

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-28_01252017

Date and Time for Purging: 1/25/2017 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-36

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 74.90

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

Weather Cond.: Cloudy

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

Time	1132	Gal. Purged	46.00
Conductance	3790	pH	6.18
Temp. °C	13.66		
Redox Potential Eh (mV)	452		
Turbidity (NTU)	0		

Time	1133	Gal. Purged	46.22
Conductance	3799	pH	6.18
Temp. °C	13.70		
Redox Potential Eh (mV)	452		
Turbidity (NTU)	0		

Time	1134	Gal. Purged	46.43
Conductance	3788	pH	6.17
Temp. °C	13.68		
Redox Potential Eh (mV)	452		
Turbidity (NTU)	0		

Time	1135	Gal. Purged	46.65
Conductance	3796	pH	6.17
Temp. °C	13.72		
Redox Potential Eh (mV)	451		
Turbidity (NTU)	0		

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: 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: 76.10 Sample Time: 1135

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 215 minutes.
Purge ended and samples were collected at 1135.
water was clear

MW-28 01-25-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-29

Sampler Name and initials: Turner Holliday/TH

Field Sample ID: MW-29_01262017

Date and Time for Purging: 1/26/2017 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): 127.00

Depth to Water Before Purging: 100.50

Casing Volume (V) 4" Well: 17.30 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1037	Gal. Purged	36.23		
Conductance	4672	pH	6.69		
Temp. °C	14.12				
Redox Potential Eh (mV)	191				
Turbidity (NTU)	4.1				

Time	1038	Gal. Purged	36.45		
Conductance	4672	pH	6.80		
Temp. °C	14.11				
Redox Potential Eh (mV)	188				
Turbidity (NTU)	4.2				

Time	~~1049~~ 1039	Gal. Purged	36.67		
Conductance	4674	pH	6.86		
Temp. °C	14.10				
Redox Potential Eh (mV)	186				
Turbidity (NTU)	4.2				

Time	~~1050~~ 1040	Gal. Purged	36.89		
Conductance	4675	pH	6.90		
Temp. °C	14.07				
Redox Potential Eh (mV)	186				
Turbidity (NTU)	4.2				

Volume of Water Purged: 36.89 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 159.48

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

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

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

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

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

Final Depth: 103.13 Sample Time: 1040

See instruction

Comment

Arrived on site at 0740. Garrin and Tanner present for purge and sampling
Purge began at 0750. Purged well for a total of 170 minutes.
Purge ended and samples were collected at 1040.
Water was clear. Left site at 1050

MW-29 01-26-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1st Quarter Ground Water 2017

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_02022017

Date and Time for Purging: 2/2/2017 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): 110.00

Depth to Water Before Purging: 75.10

Casing Volume (V) 4" Well: 22.78 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1117	Gal. Purged	53.59
Conductance	2077	pH	6.25
Temp. °C	14.01		
Redox Potential Eh (mV)	464		
Turbidity (NTU)	0		

Time	1118	Gal. Purged	53.81
Conductance	2079	pH	6.35
Temp. °C	14.02		
Redox Potential Eh (mV)	461		
Turbidity (NTU)	0		

Time	1119	Gal. Purged	54.03
Conductance	2084	pH	6.38
Temp. °C	14.03		
Redox Potential Eh (mV)	460		
Turbidity (NTU)	0		

Time	1120	Gal. Purged	54.25
Conductance	2083	pH	6.40
Temp. °C	14.04		
Redox Potential Eh (mV)	458		
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 = 210.04

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: 77.60 Sample Time: 1120

See instruction

Comment

Arrived on site at 0745. Tanner and Garrin present for purge and sampling event. Purge began at 0750, Purged well for a total of 250 minutes. Purge ended and samples were collected at 1120. water was clear
Left site at 1130

MW-30 02-01-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_02072017

Date and Time for Purging: 2/7/2017 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-14

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 68.16

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

Weather Cond.: Cloudy

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

Time	1332	Gal. Purged	80.72
Conductance	2466	pH	6.20
Temp. °C	13.85		
Redox Potential Eh (mV)	533		
Turbidity (NTU)	0		

Time	1333	Gal. Purged	80.94
Conductance	2469	pH	6.24
Temp. °C	13.87		
Redox Potential Eh (mV)	529		
Turbidity (NTU)	0		

Time	1334	Gal. Purged	81.15
Conductance	2460	pH	6.26
Temp. °C	13.86		
Redox Potential Eh (mV)	525		
Turbidity (NTU)	0		

Time	1335	Gal. Purged	81.37
Conductance	2481	pH	6.30
Temp. °C	13.88		
Redox Potential Eh (mV)	523		
Turbidity (NTU)	0		

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 = 372.17

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs: AWAL 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: 71.71

Sample Time: 1335
1335

See instruction

Comment

Arrived on site at 0716. Tanner and Garrin present for purge and sampling event.
Purge began at 0720. Purged well for a total of 375 minutes.
Purge ended and samples were collected at 1335. Water was clear
Left site at 1346

MW-31 02-07-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-32

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-32_02012017

Date and Time for Purging: 2/1/2017 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): 132.50

Depth to Water Before Purging: 78.00

Casing Volume (V) 4" Well: 35.58 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1327	Gal. Purged	70.95
Conductance	3536	pH	6.20
Temp. °C	14.60		
Redox Potential Eh (mV)	490		
Turbidity (NTU)	8.9		

Time	1328	Gal. Purged	71.17
Conductance	3539	pH	6.21
Temp. °C	14.53		
Redox Potential Eh (mV)	487		
Turbidity (NTU)	9.0		

Time	1329	Gal. Purged	71.39
Conductance	3540	pH	6.20
Temp. °C	14.50		
Redox Potential Eh (mV)	483		
Turbidity (NTU)	9.1		

Time	1330	Gal. Purged	71.61
Conductance	3541	pH	6.19
Temp. °C	14.47		
Redox Potential Eh (mV)	478		
Turbidity (NTU)	9.1		

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 = 328.00

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

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

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

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

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

Final Depth: 83.55 Sample Time: 1330

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 330 minutes. Purge ended and samples collected at 1330. water was mostly clear. Left site at 1337

MW-32 02-01-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_02072017

Date and Time for Purging: 2/7/2017 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-25

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.15

Casing Volume (V) 4" Well: 8.06 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1357	Gal. Purged	15.61
Conductance	4141	pH	6.25
Temp. °C	13.85		
Redox Potential Eh (mV)	522		
Turbidity (NTU)	0		

Time	1358	Gal. Purged	15.83
Conductance	4160	pH	6.27
Temp. °C	13.80		
Redox Potential Eh (mV)	519		
Turbidity (NTU)	0		

Time	1359	Gal. Purged	16.05
Conductance	4161	pH	6.28
Temp. °C	13.81		
Redox Potential Eh (mV)	518		
Turbidity (NTU)	0		

Time	1400	Gal. Purged	16.27
Conductance	4156	pH	6.28
Temp. °C	13.80		
Redox Potential Eh (mV)	517		
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 = 74.32

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

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

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

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

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

Final Depth: 112.93 Sample Time: 1400

See instruction

Comment

Arrived on site at 1240. 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. Left site at 1409
Water was clear

MW-35 02-07-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-36

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-36_01242017

Date and Time for Purging: 1/24/2017 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-15

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 121.60

Depth to Water Before Purging: 110.25

Casing Volume (V) 4" Well: 7.41 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1337	Gal. Purged	14.53		
Conductance	4602	pH	6.65		
Temp. °C	13.45				
Redox Potential Eh (mV)	438				
Turbidity (NTU)	0				

Time	1338	Gal. Purged	14.75		
Conductance	4578	pH	6.65		
Temp. °C	13.43				
Redox Potential Eh (mV)	438				
Turbidity (NTU)	0				

Time	1339	Gal. Purged	14.97		
Conductance	4597	pH	6.64		
Temp. °C	13.46				
Redox Potential Eh (mV)	437				
Turbidity (NTU)	0				

Time	13:0 (13-0)	Gal. Purged	15.19		
Conductance	4602	pH	6.63		
Temp. °C	13.45				
Redox Potential Eh (mV)	437				
Turbidity (NTU)	0				

Volume of Water Purged: 15.19 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 68.30

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

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

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

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

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

Final Depth: 111.90 Sample Time: 1340

See instruction

Comment

Arrived on site at 1225, Tanner and Garrin present ~~to~~ for purge and sampling event. Purge began at 1230. Purged well for a total of 70 minutes Purge ended and samples collected at 1340. water was clear. Left site at 1352

MW-36 01-24-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-37_03072017

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID ~~3/7/2017~~ MW-37_03072017

Date and Time for Purging 2/14/2017 and Sampling (if different) 3/7/2017

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-26

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 106.55

Casing Volume (V) 4" Well: 4.95 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	0844	Gal. Purged	5
Conductance	4409	pH	6.63
Temp. °C	13.82		
Redox Potential Eh (mV)	454		
Turbidity (NTU)	9.6		

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

Time	0840	Gal. Purged	0
Conductance	4128	pH	6.40
Temp. °C	14.98		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	~~0847~~ 0850	Gal. Purged	8
Conductance	4180	pH	6.45
Temp. °C	14.95		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

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): 1.40

If well evacuated to dryness, number of gallons evacuated: 14.0

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

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

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

Final Depth: 121.32

Sample Time: ~~0840~~ 0845

See instruction

Comment

Arrived on site at 0835. Tanner and Garrin present for bailing. Bailed 5 Gallons into a bucket and took a set of parameters. Bailed a total of 14 Gallons out of the well. Bailed well dry. Left site at 0902.
Arrived on site at 0836. Tanner and Garrin present to collect samples. Depth to water was 111.57. Samples bailed at ~~0840~~ 0845. Left site at ~~0845~~ 0850

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_02022017

Date and Time for Purging: 2/2/2017 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-30

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: 102.80

Casing Volume (V) 4" Well: 16.91 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

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: 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 = 155.87

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: 103.30 Sample Time: 1045

See instruction

Comment

Duplicate of MW-14

MW-65 02-02-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2017

Location (well name): MW-70

Sampler Name and initials: Tanner Holliday TH

Field Sample ID: MW-70_02082017

Date and Time for Purging: 2/8/2017 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

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

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: ~~QED~~ MW-35

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: 85.75

Casing Volume (V) 4" Well: 28.89 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

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

Volume of Water Purged: 58.59 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 266.31

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs: AWAL 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: 86.01 Sample Time: 1200

See instruction

Comment

Duplicate of MW-11

MW-70 02-08-2017 Do not touch this cell (SheetName)

Tab C

Field Data Worksheets Accelerated Monitoring

Tab C1

Field Data Worksheets Accelerated Monitoring

January 2017

ENERGY FUELS

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

See instruction

Description of Sampling Event: January Monthly Groundwater 2017

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_01182017

Date and Time for Purging: 1/18/2017 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-30

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 85.74

Casing Volume (V) 4" Well: 28.90 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1217	Gal. Purged	57.93
Conductance	2700	pH	7.15
Temp. °C	14.50		
Redox Potential Eh (mV)	415		
Turbidity (NTU)	3.0		

Time	1218	Gal. Purged	58.15
Conductance	2701	pH	7.14
Temp. °C	14.48		
Redox Potential Eh (mV)	414		
Turbidity (NTU)	3.1		

Time	1219	Gal. Purged	58.31
Conductance	2704	pH	7.13
Temp. °C	14.46		
Redox Potential Eh (mV)	412		
Turbidity (NTU)	3.0		

Time	1220	Gal. Purged	58.59
Conductance	2706	pH	7.13
Temp. °C	14.48		
Redox Potential Eh (mV)	411		
Turbidity (NTU)	3.0		

Volume of Water Purged: 58.59 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 266.37

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

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

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

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

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

Final Depth: 86.09 Sample Time: 1220

See instruction

Comment

Arrived on site at 0747. Tanner and Garrin present for purge and sampling event.
Purge began al 0750. Purged well for a total of 270 minutes.
Purge ended and samples collected at 1220. water was clear
Left site at 1224

MW-11 01-18-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: January Ground Water 2017

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-14_01182017

Date and Time for Purging: 1/18/2017 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-35

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging: 102.70

Casing Volume (V) 4" Well: 16.97 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1507	Gal. Purged	34.06		
Conductance	3662	pH	6.40		
Temp. °C	14.26				
Redox Potential Eh (mV)	427				
Turbidity (NTU)	0				

Time	1508	Gal. Purged	34.28		
Conductance	3651	pH	6.39		
Temp. °C	14.25				
Redox Potential Eh (mV)	427				
Turbidity (NTU)	0				

Time	1509	Gal. Purged	34.50		
Conductance	3658	pH	6.38		
Temp. °C	14.27				
Redox Potential Eh (mV)	427				
Turbidity (NTU)	0				

Time	1510	Gal. Purged	34.72		
Conductance	3658	pH	6.36		
Temp. °C	14.25				
Redox Potential Eh (mV)	427				
Turbidity (NTU)	0				

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 = 156.47

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: 103.98 Sample Time: 1510

See instruction

Comment

Arrived on site at 1226. Tanner and Garrin present for purge.
Purge began at 1230. Purged well for a total of 160 minutes
Purge ended at 1510. Water was clear. Left site at 1513

MW-14 01-18-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: January Monthly Ground Water 2017

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_01172017

Date and Time for Purging: 1/17/2017 and Sampling (if different): 1/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: 1300 µMHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 77.57

Casing Volume (V) 4" Well: 24.44 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1217	Gal. Purged	51.42
Conductance	2954	pH	6.51
Temp. °C	14.95		
Redox Potential Eh (mV)	455		
Turbidity (NTU)	5.5		

Time	1218	Gal. Purged	51.64
Conductance	2960	pH	6.45
Temp. °C	14.93		
Redox Potential Eh (mV)	456		
Turbidity (NTU)	5.6		

Time	1219	Gal. Purged	51.86
Conductance	2952	pH	6.44
Temp. °C	14.90		
Redox Potential Eh (mV)	455		
Turbidity (NTU)	5.6		

Time	1220	Gal. Purged	52.08
Conductance	2943	pH	6.40
Temp. °C	14.88		
Redox Potential Eh (mV)	454		
Turbidity (NTU)	5.7		

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 = 225.26

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: 81.42 Sample Time: 1220

See instruction

Comment

Arrived on site at 0816. Tanner and Garrin present for purge and sampling event.
Purge began at 0820. Purged well for a total of 240 minutes.
Purge ended and sample was collected at 1220. water was mostly clear.
Left site at 1225

MW-25 01-17-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: January Ground Water 2017

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: ~~MW-26_01192016~~ MW-26_01192017

Date and Time for Purging: 1/19/2017 and Sampling (if different): N/A

Well Purging Equip Used: ☑ pump or ☐ bailer

Well Pump (if other than Bennet): QED 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: 64.93

Casing Volume (V) 4" Well: 36.82 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1034	Gal. Purged	0
Conductance	3267	pH	6.67
Temp. °C	14.80		
Redox Potential Eh (mV)	455		
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 = 10.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 7.36

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								

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

Final Depth: 73.94 Sample Time: 1035

See instruction

Comment

Arrived on site at 1030. Tanner and Garrin present to collect samples.
Samples collected at 1035, water was mostly clear.
Left site at 1040

MW-26 01-19-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: January Monthly Ground Water 2017

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_01182017

Date and Time for Purging: 1/18/2017 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-25

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4 0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.10

Casing Volume (V) 4" Well: 22.78 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly cloudy

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

Time	1117	Gal. Purged	46.05
Conductance	1962	pH	6.64
Temp. °C	14.60		
Redox Potential Eh (mV)	447		
Turbidity (NTU)	31		

Time	1118	Gal. Purged	46.26
Conductance	1952	pH	6.63
Temp. °C	14.65		
Redox Potential Eh (mV)	446		
Turbidity (NTU)	32		

Time	1119	Gal. Purged	46.43
Conductance	1948	pH	6.62
Temp. °C	14.63		
Redox Potential Eh (mV)	446		
Turbidity (NTU)	32		3.2

Time	1120	Gal. Purged	46.65
Conductance	1955	pH	6.61
Temp. °C	14.59		
Redox Potential Eh (mV)	443		
Turbidity (NTU)	32		

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 = 210.04

Number of casing volumes evacuated (if other than two): 3

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: 77.26 Sample Time: 1120

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 215 minutes. Purge ended and samples collected at 1120. Water was clear. Left site at 1126

MW-30 01-18-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: January Monthly Ground Water 2017

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_01172017

Date and Time for Purging: 1/17/2017 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): 130.06

Depth to Water Before Purging: 68.30

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

Weather Cond.: Cloudy

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

Time	1412	Gal. Purged	80.77
Conductance	2290	pH	6.75
Temp. °C	14.40		
Redox Potential Eh (mV)	440		
Turbidity (NTU)	2.0		

Time	1413	Gal. Purged	80.94
Conductance	2291	pH	6.75
Temp. °C	14.36		
Redox Potential Eh (mV)	440		
Turbidity (NTU)	<1		

Time	1414	Gal. Purged	81.15
Conductance	2290	pH	6.75
Temp. °C	14.35		
Redox Potential Eh (mV)	440		
Turbidity (NTU)	1.9		

Time	1415	Gal. Purged	81.37
Conductance	2289	pH	6.75
Temp. °C	14.34		
Redox Potential Eh (mV)	440		
Turbidity (NTU)	2.0		

Volume of Water Purged 1.37 8.37 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 37.33

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	☐	☐		☐	☐
TDS								
Sulfate								
Chloride								

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

Final Depth 71.47 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 collected at 1415. water was clear.
Left site at 1422

MW-31 01-17-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: January Monthly Ground Water 2017

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_01182017

Date and Time for Purging: 1/18/2017 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-11

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.28 Casing Volume (V) 4" Well: 7.97 (.653h) 3" Well: 0 (.367h)

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

Time	1312	Gal. Purged	15.62
Conductance	3879	pH	6.48
Temp. °C	14.42		
Redox Potential Eh (mV)	435		
Turbidity (NTU)	0		

Time	1313	Gal. Purged	15.84
Conductance	3885	pH	6.45
Temp. °C	14.40		
Redox Potential Eh (mV)	437		
Turbidity (NTU)	0		

Time	1314	Gal. Purged	16.05
Conductance 1314	3883	pH	6.39
Temp. °C	14.39		
Redox Potential Eh (mV)	~~396~~ 438		
Turbidity (NTU)	0		

Time	1315	Gal. Purged	16.27
Conductance	3882	pH	6.39
Temp. °C	14.35		
Redox Potential Eh (mV)	~~396~~ 439		
Turbidity (NTU)	0		

capturx COMPATIBLE WITH Anoto FUNCTIONALITY

Volume of Water Purged: 16.27 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 73.54

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

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

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

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

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

Final Depth: 113.20 Sample Time: 1315

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 75 minutes
Purge ended and samples collected at 1315. water was clear
Left site at 1324

Do not touch this cell (SheetName)

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ENERGY FUELS

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

See instruction

Description of Sampling Event: January Ground Water 2017

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_01182017

Date and Time for Purging: 1/18/2017 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): 124.50

Depth to Water Before Purging: 112.28

Casing Volume (V) 4" Well: 7.97 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

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

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

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

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

Volume of Water Purged: 16.27 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 73.54

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

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

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

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

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

Final Depth: 113.20 Sample Time: 1315

See instruction

Comment

Duplicate of MW-35

MW-65 01-18-2017 Do not touch this cell (SheetName)

Tab C2

Field Data Worksheets Accelerated Monitoring

March 2017

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

See instruction

Description of Sampling Event: March Ground Water 2017

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_03062017

Date and Time for Purging: 3/6/2017 and Sampling (if different):

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): 130.00

Depth to Water Before Purging: 85.62

Casing Volume (V) 4" Well: 28.98 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Windy

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

Time	1217	Gal. Purged	57.93
Conductance	2883	pH	6.55
Temp. °C	14.30		
Redox Potential Eh (mV)	522		
Turbidity (NTU)	0		

Time	1218	Gal. Purged	58.15
Conductance	2890	pH	6.57
Temp. °C	14.32		
Redox Potential Eh (mV)	516		
Turbidity (NTU)	0		

Time	1219	Gal. Purged	58.37
Conductance	2878	pH	6.59
Temp. °C	14.27		
Redox Potential Eh (mV)	514		
Turbidity (NTU)	0		

Time	1220	Gal. Purged	58.59
Conductance	2860	pH	6.65
Temp. °C	14.25		
Redox Potential Eh (mV)	511		
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 = 267.09

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

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

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

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

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

Final Depth: 86.32 Sample Time: 1220

See instruction

Comment

Arrived on site at 0745. Tanner and Garrin present for purge and sampling event Purge began at 0750. Purged well for a total of 270 minutes. Purge ended and Sample was collected at 1220. Water was clear. Left site at 1224

MW-11 03-06-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: March Ground Water 2017

Location (well name): MW-14

Sampler Name and initials: Tanner

Field Sample ID: MW-14_03072017

Date and Time for Purging: 3/7/2017 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): 128.70

Depth to Water Before Purging: 103.05

Casing Volume (V) 4" Well: 16.74 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1327	Gal. Purged	34.06
Conductance	3949	pH	6.30
Temp. °C	14.58		
Redox Potential Eh (mV)	500		
Turbidity (NTU)	0		

Time	1328	Gal. Purged	34.28
Conductance	3965	pH	6.32
Temp. °C	14.55		
Redox Potential Eh (mV)	500		
Turbidity (NTU)	0		

Time	1329	Gal. Purged	37.50
Conductance	3940	pH	6.34
Temp. °C	14.54		
Redox Potential Eh (mV)	497		
Turbidity (NTU)	0		

Time	1330	Gal. Purged	34.72
Conductance	3935	pH	6.35
Temp. °C	14.47		
Redox Potential Eh (mV)	497		
Turbidity (NTU)	0		

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 = [154.37]

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 [103.95] Sample Time [1330]

See instruction

Comment

Arrived on site at 1047. Tanner and Garrin present for purge.
Purge began at 1050. Purged well for a total of 160 minutes. Purge ended at 1330
Water was clear. Left site at 1332

MW-14 03-07-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: March Ground Water 2017

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_03072017

Date and Time for Purging: 3/7/2017 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): 115.00

Depth to Water Before Purging: 77.95 Casing Volume (V) 4" Well: 24.19 (.653h)
3" Well: 0 (.367h)

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

Time	1117	Gal. Purged	51.42		
Conductance	3159	pH	6.66		
Temp. °C	14.73				
Redox Potential Eh (mV)	500				
Turbidity (NTU)	0				

Time	1118	Gal. Purged	51.64		
Conductance	3162	pH	6.64		
Temp. °C	14.66				
Redox Potential Eh (mV)	501				
Turbidity (NTU)	15				

Time	1119	Gal. Purged	51.86		
Conductance	3175	pH	6.63		
Temp. °C	14.60				
Redox Potential Eh (mV)	501				
Turbidity (NTU)	15				

Time	1120	Gal. Purged	52.08		
Conductance	3168	pH	6.62		
Temp. °C	14.55				
Redox Potential Eh (mV)	501				
Turbidity (NTU)	1.5				

Volume of Water Purged: 52.08 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 222.98

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

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: 80.02 Sample Time: 1120

See instruction

Comment

Arrived on site at 0716. Tanner and Garrin present for purge and sampling event. Purge began at 0720. Purged well for a total of 240 minutes. Purge ended and sample was collected at 1120. Water was clear
Left site at 1124

MW-25 03-07-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: March Ground Water 2017

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_03072017

Date and Time for Purging: 3/7/2017 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: 64.89

Casing Volume (V) 4" Well: 36.85 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1359	Gal. Purged	0
Conductance	3485	pH	6.06
Temp. °C	15.14		
Redox Potential Eh (mV)	510		
Turbidity (NTU)	0		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.0

Time to evacuate two casing volumes (2V)
T = 2V/Q = 7.37

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: 84.11

Sample Time: 1400

See instruction

Comment

Arrived on site at 1356. Tanner and Garrin present to collect samples.
Samples collected at 1400. Water was clear.
Left site at 1406

MW-26 03-07-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: March Ground Water 2017

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_03072017

Date and Time for Purging: 3/7/2017 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: 75.40

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

Weather Cond.: Clear

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

Time	1032	Gal. Purged	44.91
Conductance	2065	pH	6.67
Temp. °C	14.15		
Redox Potential Eh (mV)	500		
Turbidity (NTU)	0		

Time	1033	Gal. Purged	45.13
Conductance	2063	pH	6.67
Temp. °C	14.13		
Redox Potential Eh (mV)	499		
Turbidity (NTU)	0		

Time	1034	Gal. Purged	45.35
Conductance	2055	pH	6.69
Temp. °C	14.10		
Redox Potential Eh (mV)	498		
Turbidity (NTU)	0		

Time	1035	Gal. Purged	45.57
Conductance	2058	pH	6.68
Temp. °C	14.16		
Redox Potential Eh (mV)	498		
Turbidity (NTU)	0		

Volume of Water Purged: 45.57 gallon(s)

Pumping Rate Calculation

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

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

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

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

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

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

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

Final Depth: 77.90 Sample Time: 1035

See instruction

Comment

Arrived on site at 0701. Tanner and Garrin present for purge and sampling event. Purge began at 0705. Purged well for a total of 210 minutes. Purge ended and samples collected at 1035. Water was clear
Left site at 1045

MW-30 03-07-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: March Ground Water 2017

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_03062017

Date and Time for Purging: 3/6/2017 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: 68.22 Casing Volume (V) 4" Well: 40.34 (.653h) 3" Well: 0 (.367h)

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

Time	1357	Gal. Purged	81.80
Conductance	2480	pH	6.37
Temp. °C	14.11		
Redox Potential Eh (mV)	494		
Turbidity (NTU)	0		

Time	1358	Gal. Purged	82.02
Conductance	2476	pH	6.38
Temp. °C	14.09		
Redox Potential Eh (mV)	492		
Turbidity (NTU)	0		

Time	1359	Gal. Purged	82.24
Conductance	2480	pH	6.39
Temp. °C	14.08		
Redox Potential Eh (mV)	491		
Turbidity (NTU)	0		

Time	1400	Gal. Purged	82.46
Conductance	2479	pH	6.39
Temp. °C	14.10		
Redox Potential Eh (mV)	490		
Turbidity (NTU)	0		

Volume of Water Purged: 82.46 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 371.81

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

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

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

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

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

Final Depth: 71.75 Sample Time: 1400

See instruction

Comment

Arrived on site at 0734. Tanner and Garrin present for purge and sampling event. Purge began at 0740. Purged well for a total of 380 minutes. Purge ended and samples collected at 1400. Water was clear Left site at 1408

MW-31 03-06-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: March Ground Water 2017

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_03062017

Date and Time for Purging: 3/6/2017 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): 124.50

Depth to Water Before Purging: 112.30 Casing Volume (V) 4" Well: 7.96 (.653h)
3" Well: 0 (.367h)

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

Time	1347	Gal. Purged	15.62
Conductance	4161	pH	6.30
Temp. °C	13.77		
Redox Potential Eh (mV)	527		
Turbidity (NTU)	0		

Time	1348	Gal. Purged	15.84
Conductance	4158	pH	6.32
Temp. °C	13.98		
Redox Potential Eh (mV)	520		
Turbidity (NTU)	0		

Time	1349	Gal. Purged	16.05
Conductance	4163	pH	6.34
Temp. °C	13.99		
Redox Potential Eh (mV)	517		
Turbidity (NTU)	0		

Time	1350	Gal. Purged	16.27
Conductance	4159	pH	6.36
Temp. °C	14.01		
Redox Potential Eh (mV)	515		
Turbidity (NTU)	0		

Volume of Water Purged: 16.27 gallon(s)

Pumping Rate Calculation

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

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

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 GEL

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

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

Final Depth: 113.26 Sample Time: 1350

See instruction

Comment

Arrived on site at 1232. Tanner and Garrin present for purge and sampling event. Purge began at 1235. Purged well for a total of 75 minutes. Purge ended and samples collected at 1350. Water was clear, Left site at 1356

MW-35 03-06-2017 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: March Ground Water 2017

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_03072017

Date and Time for Purging: 3/7/2017 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: 75.40

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

Weather Cond.: Clear

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

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: 45.57 gallon(s)

Pumping Rate Calculation

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

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

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

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

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

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

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

Final Depth: 77.90 Sample Time: 1035

See instruction

Comment

Duplicate of MW-30

MW-65 03-07-2017 Do not touch this cell (SheetName)

Tab D

Quarterly Depth to Water

NAME: Garrin Palmer, Tanner Holliday

3/30/2017

Time	Well	Depth to Water (ft.)
1345	MW-1	64.22
1400	MW-2	109.50
NA	MW-3	Abandoned
1026	MW-3A	84.30
1410	MW-5	105.80
1408	MW-11	86.01
1413	MW-12	107.81
1410	MW-14	102.43
1413	MW-15	105.60
1044	MW-17	71.64
1342	MW-18	72.07
1324	MW-19	62.51
1056	MW-20	85.38
1019	MW-22	66.42
1415	MW-23	113.93
1412	MW-24	112.80
1055	MW-25	77.63
1309	MW-26	65.60
1307	MW-27	54.20
1356	MW-28	74.61
1404	MW-29	99.95
1406	MW-30	74.69
1402	MW-31	68.10
1339	MW-32	77.90
1440	MW-33	DRY
1420	MW-34	107.46
1417	MW-35	111.96
1419	MW-36	110.14
1340	MW-37	107.02

Time	Well	Depth to Water (ft.)
1343	MW-4	80.28
1344	TW4-1	90.66
1347	TW4-2	88.11
1351	TW4-3	58.00
1345	TW4-4	73.96
1354	TW4-5	65.67
1346	TW4-6	73.30
1344	TW4-7	75.00
1348	TW4-8	79.70
1356	TW4-9	63.60
1358	TW4-10	63.15
1406	TW4-11	85.14
1319	TW4-12	47.23
1325	TW4-13	52.70
1330	TW4-14	78.80
1309	TW4-15	65.60
1341	TW4-16	64.49
1339	TW4-17	77.90
1302	TW4-18	66.55
1452	TW4-19	64.52
1440	TW4-20	65.26
1304	TW4-21	64.82
1403	TW4-22	61.01
1336	TW4-23	70.46
1402	TW4-24	62.56
1409	TW4-25	60.47
1334	TW4-26	67.71
1306	TW4-27	79.09
1321	TW4-28	41.08
1317	TW4-29	74.44
1310	TW4-30	75.16
1308	TW4-31	78.10
1323	TW4-32	51.70
1303	TW4-33	73.45
1315	TW4-34	72.55
1312	TW4-35	74.00
1328	TW4-36	56.16
1416	TW4-37	107.80
1352	TW4-38	53.37
1359	TW4-39	61.99

Time	Well	Depth to Water (ft.)
1328	PIEZ-1	65.28
1322	PIEZ-2	40.00
1317	PIEZ-3A	51.11
1051	PIEZ-4	60.60
1049	PIEZ-5	60.21
1304	TWN-1	63.35
1310	TWN-2	37.64
1312	TWN-3	40.30
1315	TWN-4	55.52
NA	TWN-5	Abandoned
1339	TWN-6	78.54
1348	TWN-7	84.30
NA	TWN-8	Abandoned
NA	TWN-9	Abandoned
NA	TWN-10	Abandoned
NA	TWN-11	Abandoned
NA	TWN-12	Abandoned
NA	TWN-13	Abandoned
1332	TWN-14	60.57
NA	TWN-15	Abandoned
1334	TWN-16	47.27
NA	TWN-17	Abandoned
1310	TWN-18	60.46
1237	TWN-19	52.92

Time	Well	Depth to Water (ft.)
NA	DR-1	Abandoned
NA	DR-2	Abandoned
1216	DR-5	82.85
1219	DR-6	94.13
1424	DR-7	91.80
1227	DR-8	51.22
1224	DR-9	86.20
1222	DR-10	78.30
1036	DR-11	98.01
1033	DR-12	91.34
1040	DR-13	69.75
1048	DR-14	76.02
1052	DR-15	92.63
NA	DR-16	Abandoned
1044	DR-17	64.62
NA	DR-18	Abandoned
1033	DR-19	62.90
1031	DR-20	55.37
1025	DR-21	100.75
1037	DR-22	DRY
1027	DR-23	70.27
1039	DR-24	44.02
NA	DR-25	Abandoned

Comments:

Tab E

Laboratory Analytical Reports – Quarterly Sampling

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1702073-001
Client Sample ID: MW-01_01312017
Collection Date: 1/31/2017 1445h
Received Date: 2/3/2017 1025h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		2/13/2017 2132h	E300.0	10.0	**22.8**	
Sulfate	mg/L		2/13/2017 1827h	E300.0	100	**799**	

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-008
Client Sample ID: MW-03A_02092017
Collection Date: 2/9/2017 940h
Received Date: 2/10/2017 1045h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	2/10/2017 1437h	2/21/2017 1143h	E200.8	0.00500	**0.0852**	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-008
Client Sample ID: MW-03A_02092017
Collection Date: 2/9/2017 940h
Received Date: 2/10/2017 1045h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Sulfate	mg/L		2/17/2017 2309h	E300.0	1,000	**2,800**	

3440 South 700 West
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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: 1st Quarter Ground Water 2017
Lab Sample ID: 1701455-001
Client Sample ID: MW-05_01252017
Collection Date: 1/25/2017 1405h
Received Date: 1/27/2017 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	1/27/2017 1304h	1/30/2017 2058h	E200.8	0.000300	**0.145**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-001
Client Sample ID: MW-11_02082017
Collection Date: 2/8/2017 1200h
Received Date: 2/10/2017 1045h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/10/2017 1437h	2/21/2017 1103h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/10/2017 1437h	2/21/2017 1149h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/10/2017 1437h	2/21/2017 1103h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	2/10/2017 1437h	2/20/2017 1056h	E200.7	20.0	**71.9**	2
Chromium	mg/L	2/10/2017 1437h	2/21/2017 1103h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/10/2017 1437h	2/21/2017 1103h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/10/2017 1437h	2/21/2017 1103h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/10/2017 1437h	2/21/2017 1149h	E200.8	0.0300	**0.0345**	
Lead	mg/L	2/10/2017 1437h	2/21/2017 1149h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/10/2017 1437h	2/20/2017 1056h	E200.7	20.0	**22.9**	
Manganese	mg/L	2/10/2017 1437h	2/21/2017 1103h	E200.8	0.0100	**0.162**	
Mercury	mg/L	2/15/2017 1300h	2/16/2017 737h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/10/2017 1437h	2/21/2017 1103h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/10/2017 1437h	2/21/2017 1103h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/10/2017 1437h	2/21/2017 1026h	E200.7	1.00	**7.56**	
Selenium	mg/L	2/10/2017 1437h	2/21/2017 1103h	E200.8	0.00500	< 0.00500	
Silver	mg/L	2/10/2017 1437h	2/21/2017 1103h	E200.8	0.0100	< 0.0100	1
Sodium	mg/L	2/10/2017 1437h	2/20/2017 1056h	E200.7	20.0	**608**	2
Thallium	mg/L	2/10/2017 1437h	2/21/2017 1149h	E200.8	0.000500	< 0.000500	
Tin	mg/L	2/10/2017 1437h	2/21/2017 1103h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/10/2017 1437h	2/21/2017 1220h	E200.8	0.000300	**0.000790**	
Vanadium	mg/L	2/10/2017 1437h	2/21/2017 1026h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/10/2017 1437h	2/21/2017 1344h	E200.8	0.0100	< 0.0100	

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

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-001
Client Sample ID: MW-11_02082017
Collection Date: 2/8/2017 1200h
Received Date: 2/10/2017 1045h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/16/2017 1050h	2/16/2017 1609h	E350.1	0.0500	**0.738**	'@
Bicarbonate (as CaCO3)	mg/L		2/13/2017 902h	SM2320B	1.00	**301**	
Carbonate (as CaCO3)	mg/L		2/13/2017 902h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/17/2017 2124h	E300.0	10.0	**31.5**	
Fluoride	mg/L		2/18/2017 107h	E300.0	0.100	**0.422**	
Ion Balance	%		2/21/2017 1314h	Calc.	-100	**5.64**	
Nitrate/Nitrite (as N)	mg/L		2/13/2017 913h	E353.2	0.100	< 0.100	'
Sulfate	mg/L		2/17/2017 1832h	E300.0	1,000	**1,050**	
Total Anions, Measured	meq/L		2/21/2017 1314h	Calc.		**28.7**	
Total Cations, Measured	meq/L		2/21/2017 1314h	Calc.		**32.1**	
Total Dissolved Solids	mg/L		2/10/2017 1320h	SM2540C	20.0	**1,920**	
Total Dissolved Solids Ratio, Measured/Calculated			2/21/2017 1314h	Calc.		**0.975**	
Total Dissolved Solids, Calculated	mg/L		2/21/2017 1314h	Calc.		**1,970**	

@ - High RPD due to suspected sample non-homogeneity or matrix interference.
' - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-001A
Client Sample ID: MW-11_02082017
Collection Date: 2/8/2017 1200h
Received Date: 2/10/2017 1045h

Test Code: 8260-W-DEN100

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

Analyzed: 2/10/2017 1635h
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	54.6	50.00	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.2	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	52.3	50.00	105	70-130	
Surr: Toluene-d8	2037-26-5	50.2	50.00	100	60-115	

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

Certificate of Analysis

Report Date: March 8, 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-11_02082017	Project:	DNMI00100
Sample ID:	416220001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	08-FEB-17 12:00		
Receive Date:	13-FEB-17		
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	+/-0.271	0.954	1.00	pCi/L			AXM6	03/06/17	1654	1642079	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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1701455-002
Client Sample ID: MW-12_01252017
Collection Date: 1/25/2017 1030h
Received Date: 1/27/2017 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	1/27/2017 1304h	1/30/2017 2017h	E200.8	0.00500	**0.0346**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1702073-005
Client Sample ID: MW-14_02022017
Collection Date: 2/2/2017 1045h
Received Date: 2/3/2017 1025h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/6/2017 1153h	2/7/2017 1009h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/6/2017 1153h	2/7/2017 1053h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/6/2017 1153h	2/7/2017 1009h	E200.8	0.000500	**0.00125**	
Calcium	mg/L	2/6/2017 1153h	2/15/2017 1014h	E200.7	10.0	**474**	2
Chromium	mg/L	2/6/2017 1153h	2/7/2017 1009h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/6/2017 1153h	2/7/2017 1009h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/6/2017 1153h	2/7/2017 1009h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/6/2017 1153h	2/7/2017 1053h	E200.8	0.0300	< 0.0300	
Lead	mg/L	2/6/2017 1153h	2/7/2017 1053h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/6/2017 1153h	2/15/2017 1014h	E200.7	10.0	**146**	
Manganese	mg/L	2/6/2017 1153h	2/7/2017 1009h	E200.8	0.0100	**1.83**	2
Mercury	mg/L	2/9/2017 1430h	2/10/2017 906h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/6/2017 1153h	2/7/2017 1009h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/6/2017 1153h	2/7/2017 1009h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/6/2017 1153h	2/15/2017 1118h	E200.7	1.00	**12.0**	
Selenium	mg/L	2/6/2017 1153h	2/7/2017 1009h	E200.8	0.00500	< 0.00500	
Silver	mg/L	2/6/2017 1153h	2/7/2017 1009h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/6/2017 1153h	2/15/2017 1014h	E200.7	10.0	**338**	2
Thallium	mg/L	2/6/2017 1153h	2/7/2017 1053h	E200.8	0.000500	< 0.000500	
Tin	mg/L	2/6/2017 1153h	2/7/2017 1009h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/6/2017 1153h	2/7/2017 1105h	E200.8	0.000300	**0.0565**	
Vanadium	mg/L	2/6/2017 1153h	2/15/2017 1118h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/6/2017 1153h	2/7/2017 1009h	E200.8	0.0100	**0.0120**	

[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: 1st Quarter Ground Water 2017
Lab Sample ID: 1702073-005
Client Sample ID: MW-14_02022017
Collection Date: 2/2/2017 1045h
Received Date: 2/3/2017 1025h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/6/2017 1600h	2/7/2017 938h	E350.1	0.0500	**0.0704**	
Bicarbonate (as CaCO3)	mg/L		2/7/2017 936h	SM2320B	1.00	**368**	
Carbonate (as CaCO3)	mg/L		2/7/2017 936h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/13/2017 2042h	E300.0	10.0	**17.3**	
Fluoride	mg/L		2/13/2017 1951h	E300.0	0.100	**0.115**	
Ion Balance	%		2/15/2017 1353h	Calc.	-100	**-2.92**	
Nitrate/Nitrite (as N)	mg/L		2/8/2017 1854h	E353.2	0.100	< 0.100	
Sulfate	mg/L		2/13/2017 1703h	E300.0	1,000	**2,200**	
Total Anions, Measured	meq/L		2/15/2017 1353h	Calc.		**53.7**	
Total Cations, Measured	meq/L		2/15/2017 1353h	Calc.		**50.6**	
Total Dissolved Solids	mg/L		2/6/2017 1410h	SM2540C	20.0	**3,660**	
Total Dissolved Solids Ratio, Measured/Calculated			2/15/2017 1353h	Calc.		**1.07**	
Total Dissolved Solids, Calculated	mg/L		2/15/2017 1353h	Calc.		**3,410**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1702073-005E
Client Sample ID: MW-14_02022017
Collection Date: 2/2/2017 1045h
Received Date: 2/3/2017 1025h

Test Code: 8260-W-DEN100

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

Analyzed: 2/6/2017 1122h
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	48.8	50.00	97.6	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.1	50.00	100	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.7	50.00	99.5	70-130	
Surr: Toluene-d8	2037-26-5	50.6	50.00	101	60-115	

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Certificate of Analysis

Report Date: March 2, 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-14_02022017
Sample ID: 415726002
Matrix: Ground Water
Collect Date: 02-FEB-17 10:45
Receive Date: 06-FEB-17
Collector: Client

Project: DNMI00100
Client ID: DNMI001

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	+/-0.237	0.728	1.00	pCi/L			AXM6	02/11/17	1527	1637517	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"			90.4	(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
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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1701455-003
Client Sample ID: MW-15_01242017
Collection Date: 1/24/2017 1210h
Received Date: 1/27/2017 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	1/27/2017 1304h	1/30/2017 2020h	E200.8	0.00500	**0.112**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1702073-002
Client Sample ID: MW-18_02012017
Collection Date: 2/1/2017 1400h
Received Date: 2/3/2017 1025h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Thallium	mg/L	2/6/2017 1153h	2/7/2017 1049h	E200.8	0.000500	**0.00241**	

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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: 1st Quarter Ground Water 2017
Lab Sample ID: 1702073-002
Client Sample ID: MW-18_02012017
Collection Date: 2/1/2017 1400h
Received Date: 2/3/2017 1025h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Sulfate	mg/L		2/13/2017 1753h	E300.0	1,000	**1,750**	
Total Dissolved Solids	mg/L		2/6/2017 1410h	SM2540C	20.0	**3,060**	@

@ - 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: 1st Quarter Ground Water 2017
Lab Sample ID: 1702073-003
Client Sample ID: MW-19_01312017
Collection Date: 1/31/2017 1500h
Received Date: 2/3/2017 1025h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Nitrate/Nitrite (as N)	mg/L		2/8/2017 1850h	E353.2	0.100	**2.77**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter GW 2017
Lab Sample ID: 1703182-001
Client Sample ID: MW-24_03082017
Collection Date: 3/8/2017 1020h
Received Date: 3/10/2017 853h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	3/10/2017 1130h	3/13/2017 953h	E200.8	0.000500	**0.00218**	
Thallium	mg/L	3/10/2017 1130h	3/13/2017 1033h	E200.8	0.000500	**0.00104**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter GW 2017
Lab Sample ID: 1703182-001
Client Sample ID: MW-24_03082017
Collection Date: 3/8/2017 1020h
Received Date: 3/10/2017 853h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Fluoride	mg/L		3/22/2017 1124h	E300.0	0.100	**0.189**	
Sulfate	mg/L		3/22/2017 1016h	E300.0	1,000	**2,470**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-002
Client Sample ID: MW-25_02072017
Collection Date: 2/7/2017 1135h
Received Date: 2/10/2017 1045h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/10/2017 1437h	2/21/2017 1119h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/10/2017 1437h	2/21/2017 1152h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/10/2017 1437h	2/21/2017 1119h	E200.8	0.000500	**0.00145**	
Calcium	mg/L	2/10/2017 1437h	2/20/2017 1106h	E200.7	10.0	**325**	
Chromium	mg/L	2/10/2017 1437h	2/21/2017 1119h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/10/2017 1437h	2/21/2017 1119h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/10/2017 1437h	2/21/2017 1119h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/10/2017 1437h	2/21/2017 1152h	E200.8	0.0300	< 0.0300	
Lead	mg/L	2/10/2017 1437h	2/21/2017 1152h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/10/2017 1437h	2/20/2017 1106h	E200.7	10.0	**114**	
Manganese	mg/L	2/10/2017 1437h	2/21/2017 1119h	E200.8	0.0100	**1.51**	
Mercury	mg/L	2/15/2017 1300h	2/16/2017 744h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/10/2017 1437h	2/21/2017 1119h	E200.8	0.0100	**0.0150**	
Nickel	mg/L	2/10/2017 1437h	2/21/2017 1119h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/10/2017 1437h	2/21/2017 1034h	E200.7	1.00	**11.1**	
Selenium	mg/L	2/10/2017 1437h	2/21/2017 1119h	E200.8	0.00500	< 0.00500	
Silver	mg/L	2/10/2017 1437h	2/21/2017 1119h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/10/2017 1437h	2/20/2017 1106h	E200.7	10.0	**308**	
Thallium	mg/L	2/10/2017 1437h	2/21/2017 1152h	E200.8	0.000500	**0.000861**	
Tin	mg/L	2/10/2017 1437h	2/21/2017 1119h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/10/2017 1437h	2/21/2017 1223h	E200.8	0.000300	**0.00660**	
Vanadium	mg/L	2/10/2017 1437h	2/21/2017 1034h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/10/2017 1437h	2/21/2017 1353h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-002
Client Sample ID: MW-25_02072017
Collection Date: 2/7/2017 1135h
Received Date: 2/10/2017 1045h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/16/2017 1050h	2/16/2017 1611h	E350.1	0.0500	**0.516**	
Bicarbonate (as CaCO3)	mg/L		2/13/2017 902h	SM2320B	1.00	**308**	
Carbonate (as CaCO3)	mg/L		2/13/2017 902h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/17/2017 2142h	E300.0	10.0	**30.6**	
Fluoride	mg/L		2/18/2017 124h	E300.0	0.100	**0.261**	
Ion Balance	%		2/21/2017 1314h	Calc.	-100	**6.42**	
Nitrate/Nitrite (as N)	mg/L		2/13/2017 918h	E353.2	0.100	< 0.100	
Sulfate	mg/L		2/17/2017 2326h	E300.0	1,000	**1,320**	
Total Anions, Measured	meq/L		2/21/2017 1314h	Calc.		**34.5**	
Total Cations, Measured	meq/L		2/21/2017 1314h	Calc.		**39.2**	
Total Dissolved Solids	mg/L		2/10/2017 1320h	SM2540C	20.0	**2,480**	
Total Dissolved Solids Ratio, Measured/Calculated			2/21/2017 1314h	Calc.		**1.08**	
Total Dissolved Solids, Calculated	mg/L		2/21/2017 1314h	Calc.		**2,290**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-002A
Client Sample ID: MW-25_02072017
Collection Date: 2/7/2017 1135h
Received Date: 2/10/2017 1045h

Test Code: 8260-W-DEN100

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

Analyzed: 2/10/2017 1654h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.5	50.00	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.2	50.00	100	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.4	50.00	103	70-130	
Surr: Toluene-d8	2037-26-5	49.1	50.00	98.1	60-115	

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

Certificate of Analysis

Report Date: March 8, 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-25_02072017
Sample ID: 416220002
Matrix: Ground Water
Collect Date: 07-FEB-17 11:35
Receive Date: 13-FEB-17
Collector: Client

Project: DNMI00100
Client ID: DNMI001

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	+/-0.313	0.957	1.00	pCi/L			AXM6	03/06/17	1651	1642079	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
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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-003
Client Sample ID: MW-26_02092017
Collection Date: 2/9/2017 945h
Received Date: 2/10/2017 1045h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/10/2017 1437h	2/21/2017 1122h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/10/2017 1437h	2/21/2017 1155h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/10/2017 1437h	2/21/2017 1122h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	2/10/2017 1437h	2/20/2017 1115h	E200.7	10.0	**481**	
Chromium	mg/L	2/10/2017 1437h	2/21/2017 1122h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/10/2017 1437h	2/21/2017 1122h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/10/2017 1437h	2/21/2017 1122h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/10/2017 1437h	2/21/2017 1155h	E200.8	0.0300	**0.345**	
Lead	mg/L	2/10/2017 1437h	2/21/2017 1155h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/10/2017 1437h	2/20/2017 1115h	E200.7	10.0	**166**	
Manganese	mg/L	2/10/2017 1437h	2/21/2017 1122h	E200.8	0.0100	**0.958**	
Mercury	mg/L	2/15/2017 1300h	2/16/2017 750h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/10/2017 1437h	2/21/2017 1122h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/10/2017 1437h	2/21/2017 1122h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/10/2017 1437h	2/21/2017 1036h	E200.7	1.00	**14.4**	
Selenium	mg/L	2/10/2017 1437h	2/21/2017 1122h	E200.8	0.00500	**0.00689**	
Silver	mg/L	2/10/2017 1437h	2/21/2017 1122h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/10/2017 1437h	2/20/2017 1115h	E200.7	10.0	**179**	
Thallium	mg/L	2/10/2017 1437h	2/21/2017 1155h	E200.8	0.000500	< 0.000500	
Tin	mg/L	2/10/2017 1437h	2/21/2017 1122h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/10/2017 1437h	2/21/2017 1226h	E200.8	0.000300	**0.0619**	
Vanadium	mg/L	2/10/2017 1437h	2/21/2017 1036h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/10/2017 1437h	2/21/2017 1356h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-003
Client Sample ID: MW-26_02092017
Collection Date: 2/9/2017 945h
Received Date: 2/10/2017 1045h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/16/2017 1050h	2/16/2017 1612h	E350.1	0.0500	**0.558**	
Bicarbonate (as CaCO3)	mg/L		2/13/2017 902h	SM2320B	1.00	**326**	
Carbonate (as CaCO3)	mg/L		2/13/2017 902h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/17/2017 2159h	E300.0	10.0	**57.1**	
Fluoride	mg/L		2/18/2017 141h	E300.0	0.100	**0.224**	
Ion Balance	%		2/21/2017 1314h	Calc.	-100	**6.71**	
Nitrate/Nitrite (as N)	mg/L		2/13/2017 919h	E353.2	0.100	**0.662**	
Sulfate	mg/L		2/17/2017 2343h	E300.0	1,000	**1,540**	
Total Anions, Measured	meq/L		2/21/2017 1314h	Calc.		**40.1**	
Total Cations, Measured	meq/L		2/21/2017 1314h	Calc.		**45.9**	
Total Dissolved Solids	mg/L		2/10/2017 1320h	SM2540C	20.0	**2,870**	
Total Dissolved Solids Ratio, Measured/Calculated			2/21/2017 1314h	Calc.		**1.09**	
Total Dissolved Solids, Calculated	mg/L		2/21/2017 1314h	Calc.		**2,630**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-003A
Client Sample ID: MW-26_02092017
Collection Date: 2/9/2017 945h
Received Date: 2/10/2017 1045h

Test Code: 8260-W-DEN100

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

Analyzed: 2/13/2017 1209h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**1,740**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,840	2,500	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,560	2,500	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	2,670	2,500	107	70-130	
Surr: Toluene-d8	2037-26-5	2,550	2,500	102	60-115	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 2/10/2017 1714h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	**4.12**	
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	50.9	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	52.1	50.00	104	70-130	
Surr: Toluene-d8	2037-26-5	49.1	50.00	98.1	60-115	

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

Certificate of Analysis

Report Date: March 8, 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-26_02092017	Project:	DNMI00100
Sample ID:	416220003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	09-FEB-17 09:45		
Receive Date:	13-FEB-17		
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	+/-0.312	0.990	1.00	pCi/L			AXM6	03/06/17	1651	1642079	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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1701455-004
Client Sample ID: MW-27_01242017
Collection Date: 1/24/2017 1255h
Received Date: 1/27/2017 1040h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		1/30/2017 2326h	E300.0	10.0	**41.1**	
Nitrate/Nitrite (as N)	mg/L		1/31/2017 1829h	E353.2	0.100	**7.24**	
Total Dissolved Solids	mg/L		1/30/2017 1300h	SM2540C	20.0	**928**	

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Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1701455-005
Client Sample ID: MW-28_01252017
Collection Date: 1/25/2017 1135h
Received Date: 1/27/2017 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	1/27/2017 1304h	1/30/2017 2023h	E200.8	0.000500	**0.00523**	
Uranium	mg/L	1/27/2017 1304h	1/30/2017 2101h	E200.8	0.000300	**0.00568**	
Vanadium	mg/L	1/27/2017 1304h	1/31/2017 930h	E200.8	0.0150	< 0.0150	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1701455-005
Client Sample ID: MW-28_01252017
Collection Date: 1/25/2017 1135h
Received Date: 1/27/2017 1040h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		1/30/2017 2343h	E300.0	20.0	**131**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1701455-006
Client Sample ID: MW-29_01262017
Collection Date: 1/26/2017 1040h
Received Date: 1/27/2017 1040h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Sulfate	mg/L		1/31/2017	E300.0	1,000	**2,670**	
Total Dissolved Solids	mg/L		1/30/2017 1300h	SM2540C	20.0	**4,200**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1702073-006
Client Sample ID: MW-30_02022017
Collection Date: 2/2/2017 1120h
Received Date: 2/3/2017 1025h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/6/2017 1153h	2/7/2017 1024h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/6/2017 1153h	2/7/2017 1056h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/6/2017 1153h	2/7/2017 1024h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	2/6/2017 1153h	2/15/2017 1020h	E200.7	5.00	**245**	
Chromium	mg/L	2/6/2017 1153h	2/7/2017 1024h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/6/2017 1153h	2/7/2017 1024h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/6/2017 1153h	2/7/2017 1024h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/6/2017 1153h	2/7/2017 1056h	E200.8	0.0300	< 0.0300	
Lead	mg/L	2/6/2017 1153h	2/7/2017 1056h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/6/2017 1153h	2/15/2017 1020h	E200.7	5.00	**66.5**	
Manganese	mg/L	2/6/2017 1153h	2/7/2017 1024h	E200.8	0.0100	**0.0121**	
Mercury	mg/L	2/9/2017 1430h	2/10/2017 912h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/6/2017 1153h	2/7/2017 1024h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/6/2017 1153h	2/7/2017 1024h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/6/2017 1153h	2/15/2017 1124h	E200.7	1.00	**6.56**	
Selenium	mg/L	2/6/2017 1153h	2/7/2017 1024h	E200.8	0.00500	**0.0400**	
Silver	mg/L	2/6/2017 1153h	2/7/2017 1024h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/6/2017 1153h	2/15/2017 1020h	E200.7	5.00	**95.6**	
Thallium	mg/L	2/6/2017 1153h	2/7/2017 1056h	E200.8	0.000500	< 0.000500	
Tin	mg/L	2/6/2017 1153h	2/7/2017 1024h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/6/2017 1153h	2/7/2017 1108h	E200.8	0.000300	**0.00762**	
Vanadium	mg/L	2/6/2017 1153h	2/15/2017 1124h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/6/2017 1153h	2/7/2017 1024h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1702073-006
Client Sample ID: MW-30_02022017
Collection Date: 2/2/2017 1120h
Received Date: 2/3/2017 1025h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/16/2017 1050h	2/16/2017 1606h	E350.1	0.0500	< 0.0500	1
Bicarbonate (as CaCO3)	mg/L		2/7/2017 936h	SM2320B	1.00	**142**	
Carbonate (as CaCO3)	mg/L		2/7/2017 936h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/13/2017 1844h	E300.0	100	**150**	
Fluoride	mg/L		2/13/2017 2008h	E300.0	0.100	**0.374**	
Ion Balance	%		2/15/2017 1353h	Calc.	-100	**-2.06**	
Nitrate/Nitrite (as N)	mg/L		2/8/2017 1859h	E353.2	0.100	**17.4**	
Sulfate	mg/L		2/13/2017 1844h	E300.0	100	**750**	
Total Anions, Measured	meq/L		2/15/2017 1353h	Calc.		**23.0**	
Total Cations, Measured	meq/L		2/15/2017 1353h	Calc.		**22.0**	
Total Dissolved Solids	mg/L		2/6/2017 1410h	SM2540C	20.0	**1,590**	
Total Dissolved Solids Ratio, Measured/Calculated			2/15/2017 1353h	Calc.		**1.12**	
Total Dissolved Solids, Calculated	mg/L		2/15/2017 1353h	Calc.		**1,420**	

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

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1702073-006E
Client Sample ID: MW-30_02022017
Collection Date: 2/2/2017 1120h
Received Date: 2/3/2017 1025h

Test Code: 8260-W-DEN100

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

Analyzed: 2/6/2017 1141h
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	49.1	50.00	98.2	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.4	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.4	50.00	98.7	70-130	
Surr: Toluene-d8	2037-26-5	50.1	50.00	100	60-115	

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

Certificate of Analysis

Report Date: March 2, 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-30_02022017	Project:	DNMI00100
Sample ID:	415726003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	02-FEB-17 11:20		
Receive Date:	06-FEB-17		
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	+/-0.279	0.910	1.00	pCi/L			AXM6	02/11/17	1527	1637517	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	(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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-004
Client Sample ID: MW-31_02072017
Collection Date: 2/7/2017 1335h
Received Date: 2/10/2017 1045h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/10/2017 1437h	2/21/2017 1125h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/10/2017 1437h	2/21/2017 1159h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/10/2017 1437h	2/21/2017 1125h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	2/10/2017 1437h	2/20/2017 1117h	E200.7	10.0	**245**	
Chromium	mg/L	2/10/2017 1437h	2/21/2017 1125h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/10/2017 1437h	2/21/2017 1125h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/10/2017 1437h	2/21/2017 1125h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/10/2017 1437h	2/21/2017 1159h	E200.8	0.0300	< 0.0300	
Lead	mg/L	2/10/2017 1437h	2/21/2017 1159h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/10/2017 1437h	2/20/2017 1117h	E200.7	10.0	**117**	
Manganese	mg/L	2/10/2017 1437h	2/21/2017 1125h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	2/15/2017 1300h	2/16/2017 751h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/10/2017 1437h	2/21/2017 1125h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/10/2017 1437h	2/21/2017 1125h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/10/2017 1437h	2/21/2017 1038h	E200.7	1.00	**7.19**	
Selenium	mg/L	2/10/2017 1437h	2/21/2017 1125h	E200.8	0.00500	**0.0894**	
Silver	mg/L	2/10/2017 1437h	2/21/2017 1125h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/10/2017 1437h	2/20/2017 1117h	E200.7	10.0	**113**	
Thallium	mg/L	2/10/2017 1437h	2/21/2017 1159h	E200.8	0.000500	< 0.000500	
Tin	mg/L	2/10/2017 1437h	2/21/2017 1125h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/10/2017 1437h	2/21/2017 1229h	E200.8	0.000300	**0.00992**	
Vanadium	mg/L	2/10/2017 1437h	2/21/2017 1038h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/10/2017 1437h	2/21/2017 1359h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-004
Client Sample ID: MW-31_02072017
Collection Date: 2/7/2017 1335h
Received Date: 2/10/2017 1045h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	3/1/2017 1340h	3/1/2017 1637h	E350.1	0.0500	< 0.0500	[1]
Bicarbonate (as CaCO3)	mg/L		2/13/2017 902h	SM2320B	1.00	**158**	
Carbonate (as CaCO3)	mg/L		2/13/2017 902h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/17/2017 2107h	E300.0	100	**266**	
Fluoride	mg/L		2/18/2017 248h	E300.0	0.100	**0.708**	
Ion Balance	%		2/21/2017 1314h	Calc.	-100	**0.682**	
Nitrate/Nitrite (as N)	mg/L		2/13/2017 925h	E353.2	0.200	**21.1**	
Sulfate	mg/L		2/17/2017 2107h	E300.0	100	**751**	
Total Anions, Measured	meq/L		2/21/2017 1314h	Calc.		**26.6**	
Total Cations, Measured	meq/L		2/21/2017 1314h	Calc.		**27.0**	
Total Dissolved Solids	mg/L		2/10/2017 1320h	SM2540C	20.0	**1,680**	
Total Dissolved Solids Ratio, Measured/Calculated			2/21/2017 1314h	Calc.		**1.04**	
Total Dissolved Solids, Calculated	mg/L		2/21/2017 1314h	Calc.		**1,620**	

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-004A
Client Sample ID: MW-31_02072017
Collection Date: 2/7/2017 1335h
Received Date: 2/10/2017 1045h

Test Code: 8260-W-DEN100

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

Analyzed: 2/10/2017 1733h
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	55.3	50.00	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.9	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	52.1	50.00	104	70-130	
Surr: Toluene-d8	2037-26-5	49.1	50.00	98.2	60-115	

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

Certificate of Analysis

Report Date: March 8, 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-31_02072017	Project:	DNMI00100
Sample ID:	416220004	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	07-FEB-17 13:35		
Receive Date:	13-FEB-17		
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		1.49	+/-0.456	0.986	1.00	pCi/L			AXM6	03/06/17	1654	1642079	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			94.9	(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: 1st Quarter Ground Water 2017
Lab Sample ID: 1702073-004
Client Sample ID: MW-32_02012017
Collection Date: 2/1/2017 1330h
Received Date: 2/3/2017 1025h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		2/13/2017 2115h	E300.0	10.0	**31.9**	
Sulfate	mg/L		2/13/2017 1810h	E300.0	1,000	**2,090**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-005
Client Sample ID: MW-35_02072017
Collection Date: 2/7/2017 1400h
Received Date: 2/10/2017 1045h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/10/2017 1437h	2/21/2017 1137h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/10/2017 1437h	2/21/2017 1202h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/10/2017 1437h	2/21/2017 1137h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	2/10/2017 1437h	2/20/2017 1119h	E200.7	10.0	**475**	
Chromium	mg/L	2/10/2017 1437h	2/21/2017 1137h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/10/2017 1437h	2/21/2017 1137h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/10/2017 1437h	2/21/2017 1137h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/10/2017 1437h	2/21/2017 1202h	E200.8	0.0300	**0.0793**	
Lead	mg/L	2/10/2017 1437h	2/21/2017 1202h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/10/2017 1437h	2/20/2017 1119h	E200.7	10.0	**151**	
Manganese	mg/L	2/10/2017 1437h	2/21/2017 1137h	E200.8	0.0100	**0.189**	
Mercury	mg/L	2/15/2017 1300h	2/16/2017 753h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/10/2017 1437h	2/21/2017 1137h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/10/2017 1437h	2/21/2017 1137h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/10/2017 1437h	2/21/2017 1040h	E200.7	1.00	**12.5**	
Selenium	mg/L	2/10/2017 1437h	2/21/2017 1137h	E200.8	0.00500	**0.0193**	
Silver	mg/L	2/10/2017 1437h	2/21/2017 1137h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/10/2017 1437h	2/20/2017 1119h	E200.7	10.0	**381**	
Thallium	mg/L	2/10/2017 1437h	2/21/2017 1202h	E200.8	0.000500	< 0.000500	
Tin	mg/L	2/10/2017 1437h	2/21/2017 1137h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/10/2017 1437h	2/21/2017 1233h	E200.8	0.000300	**0.0211**	
Vanadium	mg/L	2/10/2017 1437h	2/21/2017 1040h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/10/2017 1437h	2/21/2017 1137h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-005
Client Sample ID: MW-35_02072017
Collection Date: 2/7/2017 1400h
Received Date: 2/10/2017 1045h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/16/2017 1050h	2/16/2017 1615h	E350.1	0.0500	**0.292**	
Bicarbonate (as CaCO3)	mg/L		2/13/2017 902h	SM2320B	1.00	**322**	
Carbonate (as CaCO3)	mg/L		2/13/2017 902h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/17/2017 2217h	E300.0	10.0	**66.0**	
Fluoride	mg/L		2/18/2017 158h	E300.0	0.100	**0.272**	
Ion Balance	%		2/21/2017 1314h	Calc.	-100	**0.171**	
Nitrate/Nitrite (as N)	mg/L		2/13/2017 921h	E353.2	0.100	< 0.100	
Sulfate	mg/L		2/17/2017 1923h	E300.0	1,000	**2,140**	
Total Anions, Measured	meq/L		2/21/2017 1314h	Calc.		**52.8**	
Total Cations, Measured	meq/L		2/21/2017 1314h	Calc.		**53.0**	
Total Dissolved Solids	mg/L		2/10/2017 1320h	SM2540C	20.0	**3,600**	
Total Dissolved Solids Ratio, Measured/Calculated			2/21/2017 1314h	Calc.		**1.05**	
Total Dissolved Solids, Calculated	mg/L		2/21/2017 1314h	Calc.		**3,420**	

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Laboratory Director

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QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-005A
Client Sample ID: MW-35_02072017
Collection Date: 2/7/2017 1400h
Received Date: 2/10/2017 1045h
Test Code: 8260-W-DEN100

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

Analyzed: 2/10/2017 1753h
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	55.4	50.00	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.4	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	52.4	50.00	105	70-130	
Surr: Toluene-d8	2037-26-5	49.2	50.00	98.4	60-115	

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Certificate of Analysis

Report Date: March 8, 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_02072017	Project:	DNMI00100
Sample ID:	416220005	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	07-FEB-17 14:00		
Receive Date:	13-FEB-17		
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		3.19	+/-0.512	0.995	1.00	pCi/L			AXM6	03/06/17	1651	1642079	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: 1st Quarter Ground Water 2017
Lab Sample ID: 1701455-007
Client Sample ID: MW-36_01242017
Collection Date: 1/24/2017 1340h
Received Date: 1/27/2017 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	1/27/2017 1304h	1/30/2017 2026h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	1/27/2017 1304h	1/30/2017 2104h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	1/27/2017 1304h	1/30/2017 2026h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	1/27/2017 1304h	2/7/2017 1008h	E200.7	20.0	**423**	2
Chromium	mg/L	1/27/2017 1304h	1/30/2017 2026h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	1/27/2017 1304h	1/30/2017 2026h	E200.8	0.0100	< 0.0100	
Copper	mg/L	1/27/2017 1304h	1/30/2017 2026h	E200.8	0.0100	< 0.0100	
Iron	mg/L	1/27/2017 1304h	1/30/2017 2104h	E200.8	0.0300	< 0.0300	
Lead	mg/L	1/27/2017 1304h	1/30/2017 2104h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	1/27/2017 1304h	2/7/2017 1008h	E200.7	20.0	**135**	
Manganese	mg/L	1/27/2017 1304h	1/30/2017 2026h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	1/30/2017 1255h	1/31/2017 732h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	1/27/2017 1304h	1/30/2017 2026h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	1/27/2017 1304h	1/30/2017 2026h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	1/27/2017 1304h	2/7/2017 1130h	E200.7	1.00	**9.97**	
Selenium	mg/L	1/27/2017 1304h	1/30/2017 2026h	E200.8	0.00500	**0.238**	
Silver	mg/L	1/27/2017 1304h	1/30/2017 2026h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	1/27/2017 1304h	2/7/2017 1008h	E200.7	20.0	**683**	2
Thallium	mg/L	1/27/2017 1304h	1/30/2017 2104h	E200.8	0.000500	**0.000638**	
Tin	mg/L	1/27/2017 1304h	1/30/2017 2026h	E200.8	0.100	< 0.100	
Uranium	mg/L	1/27/2017 1304h	1/30/2017 2107h	E200.8	0.000300	**0.0227**	
Vanadium	mg/L	1/27/2017 1304h	2/7/2017 1130h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	1/27/2017 1304h	1/30/2017 2026h	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: 1st Quarter Ground Water 2017
Lab Sample ID: 1701455-007
Client Sample ID: MW-36_01242017
Collection Date: 1/24/2017 1340h
Received Date: 1/27/2017 1040h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	1/31/2017 1330h	1/31/2017 1636h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		1/30/2017 922h	SM2320B	1.00	**275**	
Carbonate (as CaCO3)	mg/L		1/30/2017 922h	SM2320B	1.00	< 1.00	
Chloride	mg/L		1/30/2017 2309h	E300.0	10.0	**60.6**	
Fluoride	mg/L		1/30/2017 2252h	E300.0	0.100	**0.226**	
Ion Balance	%		2/8/2017 1240h	Calc.	-100	**-1.33**	
Nitrate/Nitrite (as N)	mg/L		1/31/2017 1830h	E353.2	0.100	**0.210**	
Sulfate	mg/L		1/31/2017 017h	E300.0	1,000	**2,720**	
Total Anions, Measured	meq/L		2/8/2017 1240h	Calc.		**63.9**	
Total Cations, Measured	meq/L		2/8/2017 1240h	Calc.		**62.2**	
Total Dissolved Solids	mg/L		1/30/2017 1300h	SM2540C	20.0	**4,320**	
Total Dissolved Solids Ratio, Measured/Calculated			2/8/2017 1240h	Calc.		**1.03**	
Total Dissolved Solids, Calculated	mg/L		2/8/2017 1240h	Calc.		**4,200**	

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

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1701455-007E
Client Sample ID: MW-36_01242017
Collection Date: 1/24/2017 1340h
Received Date: 1/27/2017 1040h

Test Code: 8260-W-DEN100

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

Analyzed: 1/27/2017 1356h
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	55.8	50.00	112	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.8	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	52.0	50.00	104	70-130	
Surr: Toluene-d8	2037-26-5	49.9	50.00	99.8	60-115	

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

Certificate of Analysis

Report Date: March 2, 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-36_01242017
Sample ID: 415726001
Matrix: Ground Water
Collect Date: 24-JAN-17 13:40
Receive Date: 06-FEB-17
Collector: Client

Project: DNMI00100
Client ID: DNMI001

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	+/-0.259	0.625	1.00	pCi/L			AXM6	02/11/17	1527	1637517	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
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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter GW 2017
Lab Sample ID: 1703182-002
Client Sample ID: MW-37_03072017
Collection Date: 3/7/2017 845h
Received Date: 3/10/2017 853h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	3/10/2017 1130h	3/13/2017 956h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	3/10/2017 1130h	3/14/2017 1126h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	3/10/2017 1130h	3/13/2017 956h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	3/10/2017 1130h	3/21/2017 1110h	E200.7	10.0	**468**	2
Chromium	mg/L	3/10/2017 1130h	3/13/2017 956h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	3/10/2017 1130h	3/13/2017 956h	E200.8	0.0100	< 0.0100	
Copper	mg/L	3/10/2017 1130h	3/13/2017 956h	E200.8	0.0100	< 0.0100	
Iron	mg/L	3/10/2017 1130h	3/13/2017 1036h	E200.8	0.0300	< 0.0300	
Lead	mg/L	3/10/2017 1130h	3/13/2017 1036h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	3/10/2017 1130h	3/21/2017 1110h	E200.7	10.0	**131**	2
Manganese	mg/L	3/10/2017 1130h	3/13/2017 956h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	3/17/2017 1147h	3/20/2017 712h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	3/10/2017 1130h	3/13/2017 956h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	3/10/2017 1130h	3/13/2017 956h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	3/10/2017 1130h	3/21/2017 1127h	E200.7	1.00	**16.4**	
Selenium	mg/L	3/10/2017 1130h	3/13/2017 956h	E200.8	0.00500	**0.00555**	
Silver	mg/L	3/10/2017 1130h	3/13/2017 956h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	3/10/2017 1130h	3/21/2017 1110h	E200.7	10.0	**513**	2
Thallium	mg/L	3/10/2017 1130h	3/13/2017 1036h	E200.8	0.000500	**0.000790**	
Tin	mg/L	3/10/2017 1130h	3/13/2017 956h	E200.8	0.100	< 0.100	
Uranium	mg/L	3/10/2017 1130h	3/13/2017 1108h	E200.8	0.000300	**0.0136**	
Vanadium	mg/L	3/10/2017 1130h	3/21/2017 1127h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	3/10/2017 1130h	3/13/2017 956h	E200.8	0.0100	**0.0309**	

[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: 1st Quarter GW 2017
Lab Sample ID: 1703182-002
Client Sample ID: MW-37_03072017
Collection Date: 3/7/2017 845h
Received Date: 3/10/2017 853h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	3/10/2017 1020h	3/10/2017 1353h	E350.1	0.0500	< 0.0500	1
Bicarbonate (as CaCO3)	mg/L		3/13/2017 906h	SM2320B	10.0	**168**	
Carbonate (as CaCO3)	mg/L		3/13/2017 906h	SM2320B	1.00	< 1.00	
Chloride	mg/L		3/22/2017 1214h	E300.0	20.0	**45.7**	
Fluoride	mg/L		3/22/2017 1141h	E300.0	0.100	**0.252**	
Ion Balance	%		3/22/2017 1301h	Calc.	-100	**5.03**	
Nitrate/Nitrite (as N)	mg/L		3/10/2017 1034h	E353.2	0.100	**0.180**	
Sulfate	mg/L		3/22/2017 1107h	E300.0	1,000	**2,240**	
Total Anions, Measured	meq/L		3/22/2017 1301h	Calc.		**51.4**	
Total Cations, Measured	meq/L		3/22/2017 1301h	Calc.		**56.8**	
Total Dissolved Solids	mg/L		3/10/2017 1255h	SM2540C	20.0	**3,830**	
Total Dissolved Solids Ratio, Measured/Calculated			3/22/2017 1301h	Calc.		**1.09**	
Total Dissolved Solids, Calculated	mg/L		3/22/2017 1301h	Calc.		**3,520**	

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

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter GW 2017
Lab Sample ID: 1703182-002E
Client Sample ID: MW-37_03072017
Collection Date: 3/7/2017 845h
Received Date: 3/10/2017 853h

Test Code: 8260-W-DEN100

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

Analyzed: 3/13/2017 1417h
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	55.5	50.00	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.0	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.6	50.00	101	70-130	
Surr: Toluene-d8	2037-26-5	49.4	50.00	98.7	60-115	

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

Certificate of Analysis

Report Date: April 5, 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-37_03072017	Project:	DNMI00100
Sample ID:	418259001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	07-MAR-17 08:45		
Receive Date:	10-MAR-17		
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	+/-0.314	0.971	1.00	pCi/L			AXM6	03/28/17	1218	1648995	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			99.3	(25%-125%)

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

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

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: 1st Quarter Ground Water 2017
Lab Sample ID: 1702073-007
Client Sample ID: MW-65_02022017
Collection Date: 2/2/2017 1045h
Received Date: 2/3/2017 1025h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/6/2017 1153h	2/7/2017 1028h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/6/2017 1153h	2/7/2017 1059h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/6/2017 1153h	2/7/2017 1028h	E200.8	0.000500	**0.00128**	
Calcium	mg/L	2/6/2017 1153h	2/15/2017 1022h	E200.7	20.0	**482**	
Chromium	mg/L	2/6/2017 1153h	2/7/2017 1028h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/6/2017 1153h	2/7/2017 1028h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/6/2017 1153h	2/7/2017 1028h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/6/2017 1153h	2/7/2017 1059h	E200.8	0.0300	< 0.0300	
Lead	mg/L	2/6/2017 1153h	2/7/2017 1059h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/6/2017 1153h	2/15/2017 1022h	E200.7	20.0	**146**	
Manganese	mg/L	2/6/2017 1153h	2/7/2017 1028h	E200.8	0.0100	**1.83**	
Mercury	mg/L	2/9/2017 1430h	2/10/2017 914h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/6/2017 1153h	2/7/2017 1028h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/6/2017 1153h	2/7/2017 1028h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/6/2017 1153h	2/15/2017 1126h	E200.7	1.00	**12.3**	
Selenium	mg/L	2/6/2017 1153h	2/7/2017 1028h	E200.8	0.00500	< 0.00500	
Silver	mg/L	2/6/2017 1153h	2/7/2017 1028h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/6/2017 1153h	2/15/2017 1022h	E200.7	20.0	**341**	
Thallium	mg/L	2/6/2017 1153h	2/7/2017 1059h	E200.8	0.000500	< 0.000500	
Tin	mg/L	2/6/2017 1153h	2/7/2017 1028h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/6/2017 1153h	2/7/2017 1111h	E200.8	0.000300	**0.0572**	
Vanadium	mg/L	2/6/2017 1153h	2/15/2017 1126h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/6/2017 1153h	2/7/2017 1028h	E200.8	0.0100	**0.0120**	

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Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1702073-007
Client Sample ID: MW-65_02022017
Collection Date: 2/2/2017 1045h
Received Date: 2/3/2017 1025h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/6/2017 1600h	2/7/2017 939h	E350.1	0.0500	**0.0703**	
Bicarbonate (as CaCO3)	mg/L		2/7/2017 936h	SM2320B	1.00	**369**	
Carbonate (as CaCO3)	mg/L		2/7/2017 936h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/13/2017 2025h	E300.0	1.00	**18.9**	
Fluoride	mg/L		2/13/2017 2025h	E300.0	0.100	**0.109**	
Ion Balance	%		2/15/2017 1353h	Calc.	-100	**1.47**	
Nitrate/Nitrite (as N)	mg/L		2/8/2017 1900h	E353.2	0.100	< 0.100	
Sulfate	mg/L		2/16/2017 1916h	E300.0	1,000	**2,010**	
Total Anions, Measured	meq/L		2/15/2017 1353h	Calc.		**49.8**	
Total Cations, Measured	meq/L		2/15/2017 1353h	Calc.		**51.3**	
Total Dissolved Solids	mg/L		2/6/2017 1410h	SM2540C	20.0	**3,660**	
Total Dissolved Solids Ratio, Measured/Calculated			2/15/2017 1353h	Calc.		**1.13**	
Total Dissolved Solids, Calculated	mg/L		2/15/2017 1353h	Calc.		**3,230**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1702073-007E
Client Sample ID: MW-65_02022017
Collection Date: 2/2/2017 1045h
Received Date: 2/3/2017 1025h

Test Code: 8260-W-DEN100

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

Analyzed: 2/6/2017 1201h
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	49.6	50.00	99.2	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.0	50.00	98.1	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.9	50.00	99.9	70-130	
Surr: Toluene-d8	2037-26-5	50.4	50.00	101	60-115	

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

Certificate of Analysis

Report Date: March 2, 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-65_02022017	Project:	DNMI00100
Sample ID:	415726004	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	02-FEB-17 10:45		
Receive Date:	06-FEB-17		
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	+/-0.278	0.811	1.00	pCi/L			AXM6	02/11/17	1527	1637517	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"			93.8	(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: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-006
Client Sample ID: MW-70_02082017
Collection Date: 2/8/2017 1200h
Received Date: 2/10/2017 1045h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/10/2017 1437h	2/21/2017 1140h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/10/2017 1437h	2/21/2017 1205h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/10/2017 1437h	2/21/2017 1140h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	2/10/2017 1437h	2/20/2017 1121h	E200.7	10.0	**71.9**	
Chromium	mg/L	2/10/2017 1437h	2/21/2017 1140h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/10/2017 1437h	2/21/2017 1140h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/10/2017 1437h	2/21/2017 1140h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/10/2017 1437h	2/21/2017 1205h	E200.8	0.0300	**0.0339**	
Lead	mg/L	2/10/2017 1437h	2/21/2017 1205h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/10/2017 1437h	2/21/2017 1043h	E200.7	1.00	**26.4**	
Manganese	mg/L	2/10/2017 1437h	2/21/2017 1140h	E200.8	0.0100	**0.167**	
Mercury	mg/L	2/15/2017 1300h	2/16/2017 755h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/10/2017 1437h	2/21/2017 1140h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/10/2017 1437h	2/21/2017 1140h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/10/2017 1437h	2/21/2017 1043h	E200.7	1.00	**7.37**	
Selenium	mg/L	2/10/2017 1437h	2/21/2017 1140h	E200.8	0.00500	< 0.00500	
Silver	mg/L	2/10/2017 1437h	2/21/2017 1140h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/10/2017 1437h	2/20/2017 1148h	E200.7	20.0	**602**	
Thallium	mg/L	2/10/2017 1437h	2/21/2017 1205h	E200.8	0.000500	< 0.000500	
Tin	mg/L	2/10/2017 1437h	2/21/2017 1140h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/10/2017 1437h	2/21/2017 1236h	E200.8	0.000300	**0.000807**	
Vanadium	mg/L	2/10/2017 1437h	2/21/2017 1043h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/10/2017 1437h	2/21/2017 1140h	E200.8	0.0100	< 0.0100	

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Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-006
Client Sample ID: MW-70_02082017
Collection Date: 2/8/2017 1200h
Received Date: 2/10/2017 1045h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/16/2017 1050h	2/16/2017 1616h	E350.1	0.0500	**0.822**	
Bicarbonate (as CaCO3)	mg/L		2/13/2017 902h	SM2320B	1.00	**292**	
Carbonate (as CaCO3)	mg/L		2/13/2017 902h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/17/2017 2234h	E300.0	10.0	**30.2**	
Fluoride	mg/L		2/18/2017 215h	E300.0	0.100	**0.424**	
Ion Balance	%		2/21/2017 1314h	Calc.	-100	**-0.585**	
Nitrate/Nitrite (as N)	mg/L		2/13/2017 922h	E353.2	0.100	< 0.100	
Sulfate	mg/L		2/22/2017 2259h	E300.0	100	**1,240**	
Total Anions, Measured	meq/L		2/21/2017 1314h	Calc.		**32.5**	
Total Cations, Measured	meq/L		2/21/2017 1314h	Calc.		**32.1**	
Total Dissolved Solids	mg/L		2/10/2017 1320h	SM2540C	20.0	**2,030**	
Total Dissolved Solids Ratio, Measured/Calculated			2/21/2017 1314h	Calc.		**0.942**	
Total Dissolved Solids, Calculated	mg/L		2/21/2017 1314h	Calc.		**2,150**	

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

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-006A
Client Sample ID: MW-70_02082017
Collection Date: 2/8/2017 1200h
Received Date: 2/10/2017 1045h

Test Code: 8260-W-DEN100

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

Analyzed: 2/10/2017 1812h
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	56.1	50.00	112	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.4	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	53.2	50.00	106	70-130	
Surr: Toluene-d8	2037-26-5	49.7	50.00	99.5	60-115	

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

Certificate of Analysis

Report Date: March 8, 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-70_02082017	Project:	DNMI00100
Sample ID:	416220006	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	08-FEB-17 12:00		
Receive Date:	13-FEB-17		
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	+/-0.343	0.988	1.00	pCi/L			AXM6	03/06/17	1654	1642079	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

American West
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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1701455-008A
Client Sample ID: Trip Blank
Collection Date: 1/24/2017
Received Date: 1/27/2017 1040h

Test Code: 8260-W-DEN100

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

Analyzed: 1/27/2017 1337h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.1	50.00	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.8	50.00	106	80-152	
Surr: Dibromofluoromethane	1868-53-7	52.0	50.00	104	70-130	
Surr: Toluene-d8	2037-26-5	50.2	50.00	100	60-115	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Sample ID: 1702073-008A
Client Sample ID: Trip Blank
Collection Date: 2/2/2017
Received Date: 2/3/2017 1025h

Test Code: 8260-W-DEN100

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

Analyzed: 2/6/2017 1023h
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	45.6	50.00	91.2	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.7	50.00	101	80-152	
Surr: Dibromofluoromethane	1868-53-7	48.9	50.00	97.7	70-130	
Surr: Toluene-d8	2037-26-5	50.4	50.00	101	60-115	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Sample ID: 1702208-007A
Client Sample ID: Trip Blank
Collection Date: 2/7/2017
Received Date: 2/10/2017 1045h

Test Code: 8260-W-DEN100

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

Analyzed: 2/10/2017 1911h
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	56.6	50.00	113	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.6	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	52.8	50.00	106	70-130	
Surr: Toluene-d8	2037-26-5	50.6	50.00	101	60-115	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter GW 2017
Lab Sample ID: 1703182-003A
Client Sample ID: Trip Blank
Collection Date: 3/7/2017
Received Date: 3/10/2017 853h

Test Code: 8260-W-DEN100

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

Analyzed: 3/13/2017 1357h
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	55.2	50.00	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.9	50.00	97.8	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.2	50.00	100	70-130	
Surr: Toluene-d8	2037-26-5	48.8	50.00	97.7	60-115	

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Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: 1st Quarter Ground Water 2017

Dear Garrin Palmer: Lab Set ID: 1701455

American West Analytical Laboratories received sample(s) on 1/27/2017 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: 2017.02.14 11:05:30 -07'00'

Laboratory Director or designee

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SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Set ID: 1701455
Date Received: 1/27/2017 1040h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1701455-001A	MW-05_01252017	1/25/2017 1405h	Aqueous	ICPMS Metals, Dissolved
1701455-002A	MW-12_01252017	1/25/2017 1030h	Aqueous	ICPMS Metals, Dissolved
1701455-003A	MW-15_01242017	1/24/2017 1210h	Aqueous	ICPMS Metals, Dissolved
1701455-004A	MW-27_01242017	1/24/2017 1255h	Aqueous	Nitrite/Nitrate (as N), E353.2
1701455-004B	MW-27_01242017	1/24/2017 1255h	Aqueous	Anions, E300.0
1701455-004C	MW-27_01242017	1/24/2017 1255h	Aqueous	Total Dissolved Solids, A2540C
1701455-005A	MW-28_01252017	1/25/2017 1135h	Aqueous	ICPMS Metals, Dissolved
1701455-005B	MW-28_01252017	1/25/2017 1135h	Aqueous	Anions, E300.0
1701455-006A	MW-29_01262017	1/26/2017 1040h	Aqueous	Anions, E300.0
1701455-006B	MW-29_01262017	1/26/2017 1040h	Aqueous	Total Dissolved Solids, A2540C
1701455-007A	MW-36_01242017	1/24/2017 1340h	Aqueous	Ammonia, Aqueous
1701455-007A	MW-36_01242017	1/24/2017 1340h	Aqueous	Nitrite/Nitrate (as N), E353.2
1701455-007B	MW-36_01242017	1/24/2017 1340h	Aqueous	Anions, E300.0
1701455-007B	MW-36_01242017	1/24/2017 1340h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1701455-007C	MW-36_01242017	1/24/2017 1340h	Aqueous	Total Dissolved Solids, A2540C
1701455-007D	MW-36_01242017	1/24/2017 1340h	Aqueous	ICPMS Metals, Dissolved
1701455-007D	MW-36_01242017	1/24/2017 1340h	Aqueous	ICP Metals, Dissolved
1701455-007D	MW-36_01242017	1/24/2017 1340h	Aqueous	Ion Balance
1701455-007D	MW-36_01242017	1/24/2017 1340h	Aqueous	Mercury, Drinking Water Dissolved
1701455-007E	MW-36_01242017	1/24/2017 1340h	Aqueous	VOA by GC/MS Method 8260C/5030C
1701455-008A	Trip Blank	1/24/2017	Aqueous	VOA by GC/MS Method 8260C/5030C

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Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	1st Quarter Ground Water 2017
Lab Set ID:	1701455

3440 South 700 West
Salt Lake City, UT 84119

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	1/27/2017
Dates of Collection:	1/24-1/26/2017
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: the MS and MSD percent recoveries for Nitrate-Nitrite on sample 1701455-007A were outside of the control limits due to sample matrix interference. The MS and MSD percent recoveries for 1701455-007D for Calcium and Sodium on sample 1701455-007D were outside of the control limits due to high analyte concentration.

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.

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Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	1st Quarter Ground Water 2017
Lab Set ID:	1701455

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	1/27/2017
Dates of Collection:	1/24-1/26/2017
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.

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: 1701455
Project: 1st Quarter Ground Water 2017

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-47236	Date Analyzed:	02/07/2017 1006h											
Test Code: 200.7-DIS	Date Prepared:	01/27/2017 1304h											
Calcium	9.90	mg/L	E200.7	0.0579	1.00	10.00	0	99.0	85 - 115				
Magnesium	10.3	mg/L	E200.7	0.0495	1.00	10.00	0	103	85 - 115				
Potassium	10.3	mg/L	E200.7	0.121	1.00	10.00	0	103	85 - 115				
Sodium	10.5	mg/L	E200.7	0.0125	1.00	10.00	0	105	85 - 115				
Vanadium	0.189	mg/L	E200.7	0.000750	0.00500	0.2000	0	94.4	85 - 115				
Lab Sample ID: LCS-47237	Date Analyzed:	01/30/2017 2014h											
Test Code: 200.8-DIS	Date Prepared:	01/27/2017 1304h											
Arsenic	0.202	mg/L	E200.8	0.000540	0.00200	0.2000	0	101	85 - 115				
Beryllium	0.207	mg/L	E200.8	0.000177	0.00200	0.2000	0	104	85 - 115				
Cadmium	0.203	mg/L	E200.8	0.0000666	0.000500	0.2000	0	102	85 - 115				
Chromium	0.206	mg/L	E200.8	0.000998	0.00200	0.2000	0	103	85 - 115				
Cobalt	0.199	mg/L	E200.8	0.0000990	0.00400	0.2000	0	99.4	85 - 115				
Copper	0.202	mg/L	E200.8	0.000862	0.00200	0.2000	0	101	85 - 115				
Iron	1.03	mg/L	E200.8	0.0274	0.100	1.000	0	103	85 - 115				
Lead	0.204	mg/L	E200.8	0.000125	0.00200	0.2000	0	102	85 - 115				
Manganese	0.205	mg/L	E200.8	0.000560	0.00200	0.2000	0	103	85 - 115				
Molybdenum	0.206	mg/L	E200.8	0.000202	0.00200	0.2000	0	103	85 - 115				
Nickel	0.203	mg/L	E200.8	0.000522	0.00200	0.2000	0	101	85 - 115				
Selenium	0.202	mg/L	E200.8	0.000310	0.00200	0.2000	0	101	85 - 115				
Silver	0.198	mg/L	E200.8	0.000132	0.00200	0.2000	0	98.8	85 - 115				
Thallium	0.199	mg/L	E200.8	0.0000500	0.00200	0.2000	0	99.7	85 - 115				
Tin	1.02	mg/L	E200.8	0.000372	0.00200	1.000	0	102	85 - 115				
Uranium	0.211	mg/L	E200.8	0.0000710	0.00200	0.2000	0	106	85 - 115				
Zinc	1.02	mg/L	E200.8	0.00452	0.00500	1.000	0	102	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: 1701455
Project: 1st Quarter Ground Water 2017

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-47237**	Date Analyzed:	01/31/2017 926h											
Test Code:	200.8-DIS	Date Prepared:	01/27/2017 1304h											
Vanadium		0.198	mg/L	E200.8	0.000248	0.00440	0.2000	0	98.9	85 - 115				
Lab Sample ID:	**LCS-47255**	Date Analyzed:	01/31/2017 726h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	01/30/2017 1255h											
Mercury		0.00350	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: 1701455
Project: 1st Quarter Ground Water 2017

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-47236	Date Analyzed:	02/07/2017 1004h											
Test Code: 200.7-DIS	Date Prepared:	01/27/2017 1304h											
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-47237	Date Analyzed:	01/30/2017 2011h											
Test Code: 200.8-DIS	Date Prepared:	01/27/2017 1304h											
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-47237	Date Analyzed:	01/30/2017 2051h											
Test Code: 200.8-DIS	Date Prepared:	01/27/2017 1304h											
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
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701455
Project: 1st Quarter Ground Water 2017

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-47237**	Date Analyzed:	01/30/2017 2055h											
Test Code:	200.8-DIS	Date Prepared:	01/27/2017 1304h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								
Lab Sample ID:	**MB-47237**	Date Analyzed:	01/31/2017 923h											
Test Code:	200.8-DIS	Date Prepared:	01/27/2017 1304h											
Vanadium		< 0.00440	mg/L	E200.8	0.000248	0.00440								
Lab Sample ID:	**MB-47255**	Date Analyzed:	01/31/2017 724h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	01/30/2017 1255h											
Mercury		< 0.000150	mg/L	E245.1	0.00000559	0.000150								

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701455
Project: 1st Quarter Ground Water 2017

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: 1701455-007DMS	Date Analyzed:	02/07/2017 1018h											
Test Code: 200.7-DIS	Date Prepared:	01/27/2017 1304h											
Calcium	437	mg/L	E200.7	1.16	20.0	10.00	423	134	70 - 130				2
Magnesium	145	mg/L	E200.7	0.990	20.0	10.00	135	93.8	70 - 130				
Sodium	702	mg/L	E200.7	0.250	20.0	10.00	683	188	70 - 130				2
Lab Sample ID: 1701455-007DMS	Date Analyzed:	02/07/2017 1133h											
Test Code: 200.7-DIS	Date Prepared:	01/27/2017 1304h											
Potassium	20.7	mg/L	E200.7	0.121	1.00	10.00	9.97	107	70 - 130				
Vanadium	0.193	mg/L	E200.7	0.000750	0.00500	0.2000	0	96.7	70 - 130				
Lab Sample ID: 1701455-007DMS	Date Analyzed:	01/30/2017 2045h											
Test Code: 200.8-DIS	Date Prepared:	01/27/2017 1304h											
Arsenic	0.213	mg/L	E200.8	0.000540	0.00200	0.2000	0	107	75 - 125				
Beryllium	0.194	mg/L	E200.8	0.000177	0.00200	0.2000	0	96.8	75 - 125				
Cadmium	0.201	mg/L	E200.8	0.0000666	0.000500	0.2000	0.000147	101	75 - 125				
Chromium	0.202	mg/L	E200.8	0.000998	0.00200	0.2000	0	101	75 - 125				
Cobalt	0.193	mg/L	E200.8	0.0000990	0.00400	0.2000	0	96.5	75 - 125				
Copper	0.193	mg/L	E200.8	0.000862	0.00200	0.2000	0	96.6	75 - 125				
Iron	0.998	mg/L	E200.8	0.0274	0.100	1.000	0	99.8	75 - 125				
Lead	0.195	mg/L	E200.8	0.000125	0.00200	0.2000	0	97.5	75 - 125				
Manganese	0.199	mg/L	E200.8	0.000560	0.00200	0.2000	0	99.6	75 - 125				
Molybdenum	0.217	mg/L	E200.8	0.000202	0.00200	0.2000	0.000739	108	75 - 125				
Nickel	0.199	mg/L	E200.8	0.000522	0.00200	0.2000	0.00206	98.5	75 - 125				
Selenium	0.448	mg/L	E200.8	0.000310	0.00200	0.2000	0.238	105	75 - 125				
Silver	0.189	mg/L	E200.8	0.000132	0.00200	0.2000	0	94.7	75 - 125				
Thallium	0.191	mg/L	E200.8	0.0000500	0.00200	0.2000	0.000638	95.3	75 - 125				
Tin	1.06	mg/L	E200.8	0.000372	0.00200	1.000	0	106	75 - 125				
Uranium	0.229	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0227	103	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: 1701455
Project: 1st Quarter Ground Water 2017

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:	**1701455-007DMS**	Date Analyzed:	01/30/2017 2045h											
Test Code:	200.8-DIS	Date Prepared:	01/27/2017 1304h											
Zinc		1.04	mg/L	E200.8	0.00452	0.00500	1.000	0	104	75 - 125				
Lab Sample ID:	**1701455-007DMS**	Date Analyzed:	01/31/2017 936h											
Test Code:	200.8-DIS	Date Prepared:	01/27/2017 1304h											
Vanadium		0.198	mg/L	E200.8	0.000248	0.00440	0.2000	0	98.9	75 - 125				
Lab Sample ID:	**1701455-007DMS**	Date Analyzed:	01/31/2017 734h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	01/30/2017 1255h											
Mercury		0.00345	mg/L	E245.1	0.00000559	0.000150	0.003330	0	104	85 - 115				

[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: 1701455
Project: 1st Quarter Ground Water 2017

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:	**1701455-007DMSD**	Date Analyzed:	02/07/2017 1020h											
Test Code:	200.7-DIS	Date Prepared:	01/27/2017 1304h											
Calcium		438	mg/L	E200.7	1.16	20.0	10.00	423	147	70 - 130	437	0.300	20	2
Magnesium		146	mg/L	E200.7	0.990	20.0	10.00	135	108	70 - 130	145	1.01	20	
Sodium		704	mg/L	E200.7	0.250	20.0	10.00	683	205	70 - 130	702	0.241	20	2
Lab Sample ID:	**1701455-007DMSD**	Date Analyzed:	02/07/2017 1135h											
Test Code:	200.7-DIS	Date Prepared:	01/27/2017 1304h											
Potassium		20.7	mg/L	E200.7	0.121	1.00	10.00	9.97	108	70 - 130	20.7	0.0736	20	
Vanadium		0.194	mg/L	E200.7	0.000750	0.00500	0.2000	0	97.0	70 - 130	0.193	0.286	20	
Lab Sample ID:	**1701455-007DMSD**	Date Analyzed:	01/30/2017 2048h											
Test Code:	200.8-DIS	Date Prepared:	01/27/2017 1304h											
Arsenic		0.214	mg/L	E200.8	0.000540	0.00200	0.2000	0	107	75 - 125	0.213	0.469	20	
Beryllium		0.193	mg/L	E200.8	0.000177	0.00200	0.2000	0	96.7	75 - 125	0.194	0.150	20	
Cadmium		0.201	mg/L	E200.8	0.0000666	0.000500	0.2000	0.000147	100	75 - 125	0.201	0.0889	20	
Chromium		0.202	mg/L	E200.8	0.000998	0.00200	0.2000	0	101	75 - 125	0.202	0.187	20	
Cobalt		0.195	mg/L	E200.8	0.0000990	0.00400	0.2000	0	97.3	75 - 125	0.193	0.845	20	
Copper		0.197	mg/L	E200.8	0.000862	0.00200	0.2000	0	98.3	75 - 125	0.193	1.68	20	
Iron		1.00	mg/L	E200.8	0.0274	0.100	1.000	0	100	75 - 125	0.998	0.520	20	
Lead		0.195	mg/L	E200.8	0.000125	0.00200	0.2000	0	97.5	75 - 125	0.195	0.0544	20	
Manganese		0.199	mg/L	E200.8	0.000560	0.00200	0.2000	0	99.3	75 - 125	0.199	0.314	20	
Molybdenum		0.217	mg/L	E200.8	0.000202	0.00200	0.2000	0.000739	108	75 - 125	0.217	0.0222	20	
Nickel		0.201	mg/L	E200.8	0.000522	0.00200	0.2000	0.00206	99.5	75 - 125	0.199	0.996	20	
Selenium		0.447	mg/L	E200.8	0.000310	0.00200	0.2000	0.238	105	75 - 125	0.448	0.372	20	
Silver		0.190	mg/L	E200.8	0.000132	0.00200	0.2000	0	94.9	75 - 125	0.189	0.197	20	
Thallium		0.191	mg/L	E200.8	0.0000500	0.00200	0.2000	0.000638	95.3	75 - 125	0.191	0.0215	20	
Tin		1.06	mg/L	E200.8	0.000372	0.00200	1.000	0	106	75 - 125	1.06	0.565	20	
Uranium		0.229	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0227	103	75 - 125	0.229	0.222	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: 1701455
Project: 1st Quarter Ground Water 2017

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:	**1701455-007DMSD**	Date Analyzed:	01/30/2017 2048h											
Test Code:	200.8-DIS	Date Prepared:	01/27/2017 1304h											
Zinc		1.04	mg/L	E200.8	0.00452	0.00500	1.000	0	104	75 - 125	1.04	0.480	20	
Lab Sample ID:	**1701455-007DMSD**	Date Analyzed:	01/31/2017 939h											
Test Code:	200.8-DIS	Date Prepared:	01/27/2017 1304h											
Vanadium		0.198	mg/L	E200.8	0.000248	0.00440	0.2000	0	98.8	75 - 125	0.198	0.136	20	
Lab Sample ID:	**1701455-007DMSD**	Date Analyzed:	01/31/2017 735h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	01/30/2017 1255h											
Mercury		0.00350	mg/L	E245.1	0.00000559	0.000150	0.003330	0	105	85 - 115	0.00345	1.63	20	

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

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701455
Project: 1st Quarter Ground Water 2017

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: 1701455-004CDUP Date Analyzed: 01/30/2017 1300h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	952	mg/L	SM2540C	17.5	20.0					928	2.55	5	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701455
Project: 1st Quarter Ground Water 2017

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-R98238 Date Analyzed: 01/30/2017 1302h													
Test Code: 300.0-W													
Chloride	5.39	mg/L	E300.0	0.00516	0.100	5.000	0	108	90 - 110				
Fluoride	5.20	mg/L	E300.0	0.0139	0.100	5.000	0	104	90 - 110				
Sulfate	5.33	mg/L	E300.0	0.0201	0.750	5.000	0	107	90 - 110				
Lab Sample ID: LCS-R98050 Date Analyzed: 01/30/2017 922h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	49,900	mg/L	SM2320B	0.504	1.00	50,000	0	99.8	90 - 110				
Lab Sample ID: LCS-47267 Date Analyzed: 01/31/2017 1626h													
Test Code: NH3-W-350.1 Date Prepared: 01/31/2017 1330h													
Ammonia (as N)	10.8	mg/L	E350.1	0.0185	0.0500	10.00	0	108	90 - 110				
Lab Sample ID: LCS-R98109 Date Analyzed: 01/31/2017 1758h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.01	mg/L	E353.2	0.00833	0.0100	1.000	0	101	90 - 110				
Lab Sample ID: LCS-R98093 Date Analyzed: 01/30/2017 1300h													
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: 1701455
Project: 1st Quarter Ground Water 2017

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-R98238	Date Analyzed:	01/30/2017 1245h											
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-R98050	Date Analyzed:	01/30/2017 922h											
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-47267	Date Analyzed:	01/31/2017 1625h											
Test Code: NH3-W-350.1	Date Prepared:	01/31/2017 1330h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-R98109	Date Analyzed:	01/31/2017 1755h											
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-R98093	Date Analyzed:	01/30/2017 1300h											
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: 1701455
Project: 1st Quarter Ground Water 2017

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: 1701455-007BMS Date Analyzed: 01/31/2017 034h													
Test Code: 300.0-W													
Chloride	10,300	mg/L	E300.0	10.3	200	10,000	60.6	102	90 - 110				
Fluoride	10,100	mg/L	E300.0	27.8	200	10,000	0	101	90 - 110				
Sulfate	12,700	mg/L	E300.0	40.2	1,500	10,000	2720	100	90 - 110				
Lab Sample ID: 1701455-007BMS Date Analyzed: 01/30/2017 922h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	326	mg/L	SM2320B	0.504	1.00	50.00	275	101	80 - 120				
Lab Sample ID: 1701455-007AMS Date Analyzed: 01/31/2017 1637h													
Test Code: NH3-W-350.1 Date Prepared: 01/31/2017 1330h													
Ammonia (as N)	10.9	mg/L	E350.1	0.0187	0.0505	10.10	0.0202	108	90 - 110				
Lab Sample ID: 1701455-007AMS Date Analyzed: 01/31/2017 1831h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.5	mg/L	E353.2	0.0833	0.100	10.00	0.21	113	90 - 110				1

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

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701455
Project: 1st Quarter Ground Water 2017

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: 1701455-007BMSD Date Analyzed: 01/31/2017 050h Test Code: 300.0-W													
Chloride	10,100	mg/L	E300.0	10.3	200	10,000	60.6	100	90 - 110	10300	1.67	20	
Fluoride	9,920	mg/L	E300.0	27.8	200	10,000	0	99.2	90 - 110	10100	1.52	20	
Sulfate	12,700	mg/L	E300.0	40.2	1,500	10,000	2720	99.6	90 - 110	12700	0.259	20	
Lab Sample ID: 1701455-007BMSD Date Analyzed: 01/30/2017 922h Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	326	mg/L	SM2320B	0.504	1.00	50.00	275	103	80 - 120	326	0.276	10	
Lab Sample ID: 1701455-007AMSD Date Analyzed: 01/31/2017 1639h Test Code: NH3-W-350.1 Date Prepared: 01/31/2017 1330h													
Ammonia (as N)	10.9	mg/L	E350.1	0.0187	0.0505	10.10	0.0202	108	90 - 110	10.9	0.185	10	
Lab Sample ID: 1701455-007AMSD Date Analyzed: 01/31/2017 1832h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.3	mg/L	E353.2	0.0833	0.100	10.00	0.21	111	90 - 110	11.5	1.75	10	1

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

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701455
Project: 1st Quarter Ground Water 2017

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 012717A Date Analyzed: 01/27/2017 1140h													
Test Code: 8260-W-DEN100													
Benzene	20.9	µg/L	SW8260C	0.270	1.00	20.00	0	105	82 - 132				
Chloroform	21.4	µg/L	SW8260C	0.153	1.00	20.00	0	107	85 - 124				
Methylene chloride	20.3	µg/L	SW8260C	0.172	1.00	20.00	0	101	71 - 135				
Naphthalene	19.6	µg/L	SW8260C	0.587	1.00	20.00	0	98.0	63 - 129				
Tetrahydrofuran	18.2	µg/L	SW8260C	0.516	1.00	20.00	0	91.2	59 - 120				
Toluene	20.4	µg/L	SW8260C	0.183	1.00	20.00	0	102	78 - 130				
Xylenes, Total	62.3	µg/L	SW8260C	0.857	1.00	60.00	0	104	70 - 138				
Surr: 1,2-Dichloroethane-d4	53.2	µg/L	SW8260C			50.00		106	80 - 125				
Surr: 4-Bromofluorobenzene	48.8	µg/L	SW8260C			50.00		97.6	85 - 121				
Surr: Dibromofluoromethane	51.9	µg/L	SW8260C			50.00		104	77 - 118				
Surr: Toluene-d8	48.5	µg/L	SW8260C			50.00		97.0	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701455
Project: 1st Quarter Ground Water 2017

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 012717A Date Analyzed: 01/27/2017 1219h													
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	54.3	µg/L	SW8260C			50.00		109	80 - 125				
Surr: 4-Bromofluorobenzene	51.2	µg/L	SW8260C			50.00		102	85 - 121				
Surr: Dibromofluoromethane	51.4	µg/L	SW8260C			50.00		103	77 - 118				
Surr: Toluene-d8	49.6	µg/L	SW8260C			50.00		99.3	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701455
Project: 1st Quarter Ground Water 2017

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: 1701455-007EMS Date Analyzed: 01/27/2017 1514h													
Test Code: 8260-W-DEN100													
Benzene	21.0	µg/L	SW8260C	0.270	1.00	20.00	0	105	66 - 145				
Chloroform	20.8	µg/L	SW8260C	0.153	1.00	20.00	0	104	50 - 146				
Methylene chloride	19.8	µg/L	SW8260C	0.172	1.00	20.00	0	98.8	30 - 192				
Naphthalene	19.9	µg/L	SW8260C	0.587	1.00	20.00	0	99.6	41 - 131				
Tetrahydrofuran	23.4	µg/L	SW8260C	0.516	1.00	20.00	0	117	43 - 146				
Toluene	20.1	µg/L	SW8260C	0.183	1.00	20.00	0	101	18 - 192				
Xylenes, Total	60.5	µg/L	SW8260C	0.857	1.00	60.00	0	101	42 - 167				
Surr: 1,2-Dichloroethane-d4	55.6	µg/L	SW8260C			50.00		111	72 - 151				
Surr: 4-Bromofluorobenzene	50.9	µg/L	SW8260C			50.00		102	80 - 152				
Surr: Dibromofluoromethane	52.6	µg/L	SW8260C			50.00		105	70 - 130				
Surr: Toluene-d8	50.0	µg/L	SW8260C			50.00		99.9	60 - 115				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701455
Project: 1st Quarter Ground Water 2017

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: 1701455-007EMSD Date Analyzed: 01/27/2017 1534h													
Test Code: 8260-W-DEN100													
Benzene	20.4	µg/L	SW8260C	0.270	1.00	20.00	0	102	66 - 145	21	2.65	25	
Chloroform	20.7	µg/L	SW8260C	0.153	1.00	20.00	0	104	50 - 146	20.8	0.385	25	
Methylene chloride	20.7	µg/L	SW8260C	0.172	1.00	20.00	0	103	30 - 192	19.8	4.50	25	
Naphthalene	19.4	µg/L	SW8260C	0.587	1.00	20.00	0	96.8	41 - 131	19.9	2.85	25	
Tetrahydrofuran	22.7	µg/L	SW8260C	0.516	1.00	20.00	0	113	43 - 146	23.4	3.21	25	
Toluene	19.7	µg/L	SW8260C	0.183	1.00	20.00	0	98.7	18 - 192	20.1	2.01	25	
Xylenes, Total	59.2	µg/L	SW8260C	0.857	1.00	60.00	0	98.6	42 - 167	60.5	2.16	25	
Surr: 1,2-Dichloroethane-d4	53.6	µg/L	SW8260C			50.00		107	72 - 151				
Surr: 4-Bromofluorobenzene	49.3	µg/L	SW8260C			50.00		98.6	80 - 152				
Surr: Dibromofluoromethane	51.0	µg/L	SW8260C			50.00		102	70 - 130				
Surr: Toluene-d8	48.0	µg/L	SW8260C			50.00		96.0	60 - 115				

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

Rpt Emailed: UL Denison

WORK ORDER Summary

Work Order: **1701455**

Client: Energy Fuels Resources, Inc. Due Date: 2/10/2017

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **1st Quarter Ground Water 2017** **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. 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	
1701455-001A	**MW-05_01252017**	1/25/2017 1405h	1/27/2017 1040h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: U				
				200.8-DIS-PR			DF-Dis Metals	
1701455-002A	**MW-12_01252017**	1/25/2017 1030h	1/27/2017 1040h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: SE				
				200.8-DIS-PR			DF-Dis Metals	
1701455-003A	**MW-15_01242017**	1/24/2017 1210h	1/27/2017 1040h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: SE				
				200.8-DIS-PR			DF-Dis Metals	
1701455-004A	**MW-27_01242017**	1/24/2017 1255h	1/27/2017 1040h	**NO2/NO3-W-353.2**	Aqueous		DF-NO2/NO3	1
				1 SEL Analytes: NO3NO2N				
1701455-004B				**300.0-W**			DF-cl	
				1 SEL Analytes: CL				
1701455-004C				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1701455-005A	**MW-28_01252017**	1/25/2017 1135h	1/27/2017 1040h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				3 SEL Analytes: CD U V				
				200.8-DIS-PR			DF-Dis Metals	
1701455-005B				**300.0-W**			DF-cl	
				1 SEL Analytes: CL				
1701455-006A	**MW-29_01262017**	1/26/2017 1040h	1/27/2017 1040h	**300.0-W**	Aqueous		DF-SO4	1
				1 SEL Analytes: SO4				
1701455-006B				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1701455-007A	**MW-36_01242017**	1/24/2017 1340h	1/27/2017 1040h	**NH3-W-350.1**	Aqueous		DF-NO2/NO3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR			DF-NO2/NO3	

Printed: 1/30/2017 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1701455**

Client: Energy Fuels Resources, Inc. Due Date: 2/10/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1701455-007A	**MW-36_01242017**	1/24/2017 1340h	1/27/2017 1040h	**NO2/NO3-W-353.2**	Aqueous		DF-NO2/NO3	1
				1 SEL Analytes: NO3NO2N				
1701455-007B				**300.0-W**			DF-cl	
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			DF-cl	
				2 SEL Analytes: ALKB ALKC				
1701455-007C				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1701455-007D				**200.7-DIS**			DF-Dis Metals	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			DF-Dis Metals	
				200.8-DIS			DF-Dis Metals	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			DF-Dis Metals	
				HG-DW-DIS-245.1			DF-Dis Metals	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			DF-Dis Metals	
				IONBALANCE			DF-Dis Metals	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1701455-007E				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1701455-008A	**Trip Blank**	1/24/2017	1/27/2017 1040h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				

AWAL Use Only. Close Hold Times

Test Code	# Samps	Min. days left
TDS-W-2540C	2	1.16

American West Analytical Laboratories

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www.awal-labs.com

CHAIN OF CUSTODY

1701455
AWAL Lab Sample Set #
Page 1 of 2

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: **1st Quarter Ground Water 2017**
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:

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
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

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Dissolved Manganese (200.7/200.8)	Cl (4500 or 300.0)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Dissolved Thallium (200.7/200.8)	SO_4 (4500 or 300.0)	Fl (4500 or 300.0)	Dissolved Iron (200.7/200.8)	Dissolved Vanadium (200.7/200.8)	Dissolved Zinc (200.7/200.8)	Dissolved Beryllium (200.7/200.8)	Known Hazards & Sample Comments
1																				
2																				
3	MW-05_01252017	1/25/2017	1405	1	W					X										
4	MW-12_01252017	1/25/2017	1030	1	W							X								
5	MW-15_01242017	1/24/2017	1210	1	W							X								
6																				
7																				
8																				
9	MW-27_01242017	1/24/2017	1255	3	W	X		X	X											
10	MW-28_01252017	1/25/2017	1135	2	W			X		X	X						X			
11	MW-29_01262017	1/26/2017	1040	2	W				X					X						
12																				

Laboratory Use Only

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: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date: 1-27-17
Print Name:	Time:	Print Name: Elena Hayward	Time: 1040
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.

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CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1701455
AWAL Lab Sample Set #
Page 2 of 2

QC Level:	Turn Around Time:	Due Date:
3	Standard	

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Garrin Palmer**
Phone #: **(435) 678-2221** Cell #:
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: **1st Quarter Groundwater 2017**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	Known Hazards & Sample Comments
1	MW-36_01242017	1/24/2017	1340	7	W	x	x	x	x	x	x	x	x	x	x	
2	TRIP BLANK	1/24/2017		3	W										X	
3	TEMP BLANK	1/26/2017		1	W											
4																
5																
6																
7																
8																
9																
10																
11																
12																

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 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: Tanner Holliday	Date: 1/26/2017	Received by: Signature	Date:
Print Name: Tanner Holliday	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Elena Hayes	Date: 1-27-17
Print Name:	Time:	Print Name: Elena Hayes	Time: 1040
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: 1701455

pH Lot #: 5000

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	7												
Ammonia	pH <2 H_2SO_4						Yes												
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes	Yes		Yes	Yes												
NO_2 & NO_3	pH <2 H_2SO_4				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 >

American West
ANALYTICAL LABORATORIES

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: 1st Quarter Ground Water 2017

Dear Garrin Palmer: Lab Set ID: 1702073

American West Analytical Laboratories received sample(s) on 2/3/2017 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha
Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou, email=jose@awal-labs.com, c=US
Date: 2017.02.20 11:47:19 -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

Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 1st Quarter Ground Water 2017
Lab Set ID: 1702073

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt: 2/3/2017
Dates of Collection: 1/31-2/2/2017
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
1702073-005B	Calcium	MS/MSD	High analyte concentration
1702073-005B	Manganese	MSD	High analyte concentration
1702073-005B	Sodium	MS/MSD	High analyte concentration
1702073-006D	Ammonia	MS/MSD	Sample matrix interference
1702208-001D	Ammonia	MS/MSD/RPD	Sample matrix interference or suspected sample non-homogeneity

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 1702073-002C was outside of the control limits due to suspected smaple 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

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	1st Quarter Ground Water 2017
Lab Set ID:	1702073

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	2/3/2017
Dates of Collection:	1/31-2/2/2017
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.

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: 1st Quarter Ground Water 2017
Lab Set ID: 1702073
Date Received: 2/3/2017 1025h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1702073-001A	MW-01_01312017	1/31/2017	1445h	Aqueous	Anions, E300.0
1702073-002A	MW-18_02012017	2/1/2017	1400h	Aqueous	Anions, E300.0
1702073-002B	MW-18_02012017	2/1/2017	1400h	Aqueous	ICPMS Metals, Dissolved
1702073-002C	MW-18_02012017	2/1/2017	1400h	Aqueous	Total Dissolved Solids, A2540C
1702073-003A	MW-19_01312017	1/31/2017	1500h	Aqueous	Nitrite/Nitrate (as N), E353.2
1702073-004A	MW-32_02012017	2/1/2017	1330h	Aqueous	Anions, E300.0
1702073-005A	MW-14_02022017	2/2/2017	1045h	Aqueous	Anions, E300.0
1702073-005A	MW-14_02022017	2/2/2017	1045h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1702073-005B	MW-14_02022017	2/2/2017	1045h	Aqueous	ICPMS Metals, Dissolved
1702073-005B	MW-14_02022017	2/2/2017	1045h	Aqueous	Mercury, Drinking Water Dissolved
1702073-005B	MW-14_02022017	2/2/2017	1045h	Aqueous	ICP Metals, Dissolved
1702073-005B	MW-14_02022017	2/2/2017	1045h	Aqueous	Ion Balance
1702073-005C	MW-14_02022017	2/2/2017	1045h	Aqueous	Total Dissolved Solids, A2540C
1702073-005D	MW-14_02022017	2/2/2017	1045h	Aqueous	Ammonia, Aqueous
1702073-005D	MW-14_02022017	2/2/2017	1045h	Aqueous	Nitrite/Nitrate (as N), E353.2
1702073-005E	MW-14_02022017	2/2/2017	1045h	Aqueous	VOA by GC/MS Method 8260C/5030C
1702073-006A	MW-30_02022017	2/2/2017	1120h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1702073-006A	MW-30_02022017	2/2/2017	1120h	Aqueous	Anions, E300.0
1702073-006B	MW-30_02022017	2/2/2017	1120h	Aqueous	ICPMS Metals, Dissolved
1702073-006B	MW-30_02022017	2/2/2017	1120h	Aqueous	Ion Balance
1702073-006B	MW-30_02022017	2/2/2017	1120h	Aqueous	Mercury, Drinking Water Dissolved
1702073-006B	MW-30_02022017	2/2/2017	1120h	Aqueous	ICP Metals, Dissolved
1702073-006C	MW-30_02022017	2/2/2017	1120h	Aqueous	Total Dissolved Solids, A2540C
1702073-006D	MW-30_02022017	2/2/2017	1120h	Aqueous	Ammonia, Aqueous
1702073-006D	MW-30_02022017	2/2/2017	1120h	Aqueous	Nitrite/Nitrate (as N), E353.2
1702073-006E	MW-30_02022017	2/2/2017	1120h	Aqueous	VOA by GC/MS Method 8260C/5030C
1702073-007A	MW-65_02022017	2/2/2017	1045h	Aqueous	Anions, E300.0
1702073-007A	MW-65_02022017	2/2/2017	1045h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1702073-007B	MW-65_02022017	2/2/2017	1045h	Aqueous	ICP Metals, Dissolved
1702073-007B	MW-65_02022017	2/2/2017	1045h	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: 1st Quarter Ground Water 2017
Lab Set ID: 1702073
Date Received: 2/3/2017 1025h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1702073-007B	MW-65_02022017	2/2/2017	1045h	Aqueous	Mercury, Drinking Water Dissolved
1702073-007B	MW-65_02022017	2/2/2017	1045h	Aqueous	ICPMS Metals, Dissolved
1702073-007C	MW-65_02022017	2/2/2017	1045h	Aqueous	Total Dissolved Solids, A2540C
1702073-007D	MW-65_02022017	2/2/2017	1045h	Aqueous	Ammonia, Aqueous
1702073-007D	MW-65_02022017	2/2/2017	1045h	Aqueous	Nitrite/Nitrate (as N), E353.2
1702073-007E	MW-65_02022017	2/2/2017	1045h	Aqueous	VOA by GC/MS Method 8260C/5030C
1702073-008A	Trip Blank	2/2/2017		Aqueous	VOA by GC/MS Method 8260C/5030C

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702073
Project: 1st Quarter Ground Water 2017

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-47366**	Date Analyzed:	02/15/2017 1008h											
Test Code:	200.7-DIS	Date Prepared:	02/06/2017 1153h											
Calcium		9.52	mg/L	E200.7	0.0332	1.00	10.00	0	95.2	85 - 115				
Magnesium		9.66	mg/L	E200.7	0.0710	1.00	10.00	0	96.6	85 - 115				
Potassium		10.0	mg/L	E200.7	0.183	1.00	10.00	0	100	85 - 115				
Sodium		10.2	mg/L	E200.7	0.0311	1.00	10.00	0	102	85 - 115				
Vanadium		0.187	mg/L	E200.7	0.000643	0.00500	0.2000	0	93.4	85 - 115				
Lab Sample ID:	**LCS-47367**	Date Analyzed:	02/07/2017 1006h											
Test Code:	200.8-DIS	Date Prepared:	02/06/2017 1153h											
Arsenic		0.188	mg/L	E200.8	0.000177	0.00200	0.2000	0	93.8	85 - 115				
Beryllium		0.185	mg/L	E200.8	0.0000318	0.00200	0.2000	0	92.6	85 - 115				
Cadmium		0.187	mg/L	E200.8	0.000226	0.000500	0.2000	0	93.4	85 - 115				
Chromium		0.192	mg/L	E200.8	0.000210	0.00200	0.2000	0	95.8	85 - 115				
Cobalt		0.185	mg/L	E200.8	0.0000336	0.00400	0.2000	0	92.6	85 - 115				
Copper		0.189	mg/L	E200.8	0.000648	0.00200	0.2000	0	94.5	85 - 115				
Iron		0.951	mg/L	E200.8	0.0113	0.100	1.000	0	95.1	85 - 115				
Lead		0.184	mg/L	E200.8	0.000308	0.00200	0.2000	0	91.8	85 - 115				
Manganese		0.193	mg/L	E200.8	0.000658	0.00200	0.2000	0	96.7	85 - 115				
Molybdenum		0.189	mg/L	E200.8	0.000692	0.00200	0.2000	0	94.7	85 - 115				
Nickel		0.187	mg/L	E200.8	0.000932	0.00200	0.2000	0	93.4	85 - 115				
Selenium		0.186	mg/L	E200.8	0.000176	0.00200	0.2000	0	93.1	85 - 115				
Silver		0.182	mg/L	E200.8	0.0000884	0.00200	0.2000	0	90.9	85 - 115				
Thallium		0.182	mg/L	E200.8	0.000462	0.00200	0.2000	0	90.8	85 - 115				
Tin		0.937	mg/L	E200.8	0.000206	0.00200	1.000	0	93.7	85 - 115				
Uranium		0.189	mg/L	E200.8	0.000440	0.00200	0.2000	0	94.7	85 - 115				
Zinc		0.931	mg/L	E200.8	0.00304	0.00500	1.000	0	93.1	85 - 115				
Lab Sample ID:	**LCS-47461**	Date Analyzed:	02/10/2017 832h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	02/09/2017 1430h											
Mercury		0.00355	mg/L	E245.1	0.00000511	0.000150	0.003330	0	107	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: 1702073
Project: 1st Quarter Ground Water 2017

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-47366	Date Analyzed:	02/15/2017 1006h											
Test Code: 200.7-DIS	Date Prepared:	02/06/2017 1153h											
Calcium	< 1.00	mg/L	E200.7	0.0332	1.00								
Magnesium	< 1.00	mg/L	E200.7	0.0710	1.00								
Potassium	< 1.00	mg/L	E200.7	0.183	1.00								
Sodium	< 1.00	mg/L	E200.7	0.0311	1.00								
Vanadium	< 0.00500	mg/L	E200.7	0.000643	0.00500								
Lab Sample ID: MB-47367	Date Analyzed:	02/07/2017 1003h											
Test Code: 200.8-DIS	Date Prepared:	02/06/2017 1153h											
Arsenic	< 0.00200	mg/L	E200.8	0.000177	0.00200								
Cadmium	< 0.000500	mg/L	E200.8	0.000226	0.000500								
Chromium	< 0.00200	mg/L	E200.8	0.000210	0.00200								
Cobalt	< 0.00400	mg/L	E200.8	0.0000336	0.00400								
Copper	< 0.00200	mg/L	E200.8	0.000648	0.00200								
Manganese	< 0.00200	mg/L	E200.8	0.000658	0.00200								
Molybdenum	< 0.00200	mg/L	E200.8	0.000692	0.00200								
Nickel	< 0.00200	mg/L	E200.8	0.000932	0.00200								
Selenium	< 0.00200	mg/L	E200.8	0.000176	0.00200								
Silver	< 0.00200	mg/L	E200.8	0.0000884	0.00200								
Tin	< 0.00200	mg/L	E200.8	0.000206	0.00200								
Lab Sample ID: MB-47367	Date Analyzed:	02/07/2017 1046h											
Test Code: 200.8-DIS	Date Prepared:	02/06/2017 1153h											
Beryllium	< 0.000500	mg/L	E200.8	0.00000795	0.000500								
Iron	< 0.0250	mg/L	E200.8	0.00282	0.0250								
Lead	< 0.000500	mg/L	E200.8	0.0000770	0.000500								
Thallium	< 0.000500	mg/L	E200.8	0.000116	0.000500								
Zinc	< 0.00125	mg/L	E200.8	0.000760	0.00125								

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702073
Project: 1st Quarter Ground Water 2017

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-47367**	Date Analyzed:	02/07/2017 1102h											
Test Code:	200.8-DIS	Date Prepared:	02/06/2017 1153h											
Uranium		< 0.000200	mg/L	E200.8	0.0000440	0.000200								
Lab Sample ID:	**MB-47461**	Date Analyzed:	02/10/2017 830h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	02/09/2017 1430h											
Mercury		< 0.000150	mg/L	E245.1	0.00000511	0.000150								

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702073
Project: 1st Quarter Ground Water 2017

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:	**1702073-005BMS**	Date Analyzed:	02/15/2017 1016h											
Test Code:	200.7-DIS	Date Prepared:	02/06/2017 1153h											
Calcium		473	mg/L	E200.7	0.332	10.0	10.00	474	-11.1	70 - 130				2
Magnesium		153	mg/L	E200.7	0.710	10.0	10.00	146	76.6	70 - 130				
Sodium		339	mg/L	E200.7	0.311	10.0	10.00	338	11.6	70 - 130				2
Lab Sample ID:	**1702073-005BMS**	Date Analyzed:	02/15/2017 1120h											
Test Code:	200.7-DIS	Date Prepared:	02/06/2017 1153h											
Potassium		22.6	mg/L	E200.7	0.183	1.00	10.00	12	107	70 - 130				
Vanadium		0.188	mg/L	E200.7	0.000643	0.00500	0.2000	0	94.1	70 - 130				
Lab Sample ID:	**1702073-005BMS**	Date Analyzed:	02/07/2017 1018h											
Test Code:	200.8-DIS	Date Prepared:	02/06/2017 1153h											
Arsenic		0.193	mg/L	E200.8	0.000177	0.00200	0.2000	0.000296	96.5	75 - 125				
Beryllium		0.173	mg/L	E200.8	0.0000318	0.00200	0.2000	0	86.3	75 - 125				
Cadmium		0.182	mg/L	E200.8	0.000226	0.000500	0.2000	0.00125	90.5	75 - 125				
Chromium		0.185	mg/L	E200.8	0.000210	0.00200	0.2000	0	92.4	75 - 125				
Cobalt		0.179	mg/L	E200.8	0.0000336	0.00400	0.2000	0.00275	88.1	75 - 125				
Copper		0.178	mg/L	E200.8	0.000648	0.00200	0.2000	0	88.8	75 - 125				
Iron		0.914	mg/L	E200.8	0.0113	0.100	1.000	0	91.4	75 - 125				
Lead		0.175	mg/L	E200.8	0.000308	0.00200	0.2000	0	87.7	75 - 125				
Manganese		1.99	mg/L	E200.8	0.000658	0.00200	0.2000	1.83	80.0	75 - 125				
Molybdenum		0.199	mg/L	E200.8	0.000692	0.00200	0.2000	0.00378	97.7	75 - 125				
Nickel		0.184	mg/L	E200.8	0.000932	0.00200	0.2000	0.00412	89.8	75 - 125				
Selenium		0.186	mg/L	E200.8	0.000176	0.00200	0.2000	0.000413	92.7	75 - 125				
Silver		0.173	mg/L	E200.8	0.0000884	0.00200	0.2000	0	86.6	75 - 125				
Thallium		0.174	mg/L	E200.8	0.000462	0.00200	0.2000	0	87.2	75 - 125				
Tin		0.962	mg/L	E200.8	0.000206	0.00200	1.000	0.000446	96.2	75 - 125				
Uranium		0.241	mg/L	E200.8	0.000440	0.00200	0.2000	0.056	92.6	75 - 125				
Zinc		0.924	mg/L	E200.8	0.00304	0.00500	1.000	0.012	91.2	75 - 125				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702073
Project: 1st Quarter Ground Water 2017

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:	**1702073-005BMS**	Date Analyzed:	02/10/2017 908h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	02/09/2017 1430h											
Mercury		0.00341	mg/L	E245.1	0.00000511	0.000150	0.003330	0	103	85 - 115				

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

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702073
Project: 1st Quarter Ground Water 2017

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:	**1702073-005BMSD**	Date Analyzed:	02/15/2017 1018h											
Test Code:	200.7-DIS	Date Prepared:	02/06/2017 1153h											
Calcium		475	mg/L	E200.7	0.332	10.0	10.00	474	14.1	70 - 130	473	0.531	20	2
Magnesium		154	mg/L	E200.7	0.710	10.0	10.00	146	87.0	70 - 130	153	0.679	20	
Sodium		343	mg/L	E200.7	0.311	10.0	10.00	338	49.2	70 - 130	339	1.10	20	2
Lab Sample ID:	**1702073-005BMSD**	Date Analyzed:	02/15/2017 1122h											
Test Code:	200.7-DIS	Date Prepared:	02/06/2017 1153h											
Potassium		22.7	mg/L	E200.7	0.183	1.00	10.00	12	107	70 - 130	22.6	0.168	20	
Vanadium		0.190	mg/L	E200.7	0.000643	0.00500	0.2000	0	95.2	70 - 130	0.188	1.16	20	
Lab Sample ID:	**1702073-005BMSD**	Date Analyzed:	02/07/2017 1021h											
Test Code:	200.8-DIS	Date Prepared:	02/06/2017 1153h											
Arsenic		0.194	mg/L	E200.8	0.000177	0.00200	0.2000	0.000296	96.6	75 - 125	0.193	0.152	20	
Beryllium		0.172	mg/L	E200.8	0.0000318	0.00200	0.2000	0	85.8	75 - 125	0.173	0.566	20	
Cadmium		0.182	mg/L	E200.8	0.000226	0.000500	0.2000	0.00125	90.2	75 - 125	0.182	0.360	20	
Chromium		0.183	mg/L	E200.8	0.000210	0.00200	0.2000	0	91.5	75 - 125	0.185	0.970	20	
Cobalt		0.181	mg/L	E200.8	0.0000336	0.00400	0.2000	0.00275	88.9	75 - 125	0.179	0.879	20	
Copper		0.178	mg/L	E200.8	0.000648	0.00200	0.2000	0	89.0	75 - 125	0.178	0.251	20	
Iron		0.913	mg/L	E200.8	0.0113	0.100	1.000	0	91.3	75 - 125	0.914	0.127	20	
Lead		0.175	mg/L	E200.8	0.000308	0.00200	0.2000	0	87.6	75 - 125	0.175	0.112	20	
Manganese		1.97	mg/L	E200.8	0.000658	0.00200	0.2000	1.83	66.8	75 - 125	1.99	1.33	20	2
Molybdenum		0.197	mg/L	E200.8	0.000692	0.00200	0.2000	0.00378	96.4	75 - 125	0.199	1.38	20	
Nickel		0.185	mg/L	E200.8	0.000932	0.00200	0.2000	0.00412	90.6	75 - 125	0.184	0.915	20	
Selenium		0.187	mg/L	E200.8	0.000176	0.00200	0.2000	0.000413	93.4	75 - 125	0.186	0.749	20	
Silver		0.173	mg/L	E200.8	0.0000884	0.00200	0.2000	0	86.6	75 - 125	0.173	0.0450	20	
Thallium		0.174	mg/L	E200.8	0.000462	0.00200	0.2000	0	86.9	75 - 125	0.174	0.275	20	
Tin		0.952	mg/L	E200.8	0.000206	0.00200	1.000	0.000446	95.2	75 - 125	0.962	1.03	20	
Uranium		0.239	mg/L	E200.8	0.000440	0.00200	0.2000	0.056	91.7	75 - 125	0.241	0.738	20	
Zinc		0.928	mg/L	E200.8	0.00304	0.00500	1.000	0.012	91.6	75 - 125	0.924	0.409	20	

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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702073
Project: 1st Quarter Ground Water 2017

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: 1702073-005BMSD	Date Analyzed:	02/10/2017 910h											
Test Code: HG-DW-DIS-245.1	Date Prepared:	02/09/2017 1430h											
Mercury	0.00348	mg/L	E245.1	0.00000511	0.000150	0.003330	0	104	85 - 115	0.00341	1.89	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: 1702073
Project: 1st Quarter Ground Water 2017

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: 1702073-002CDUP	Date Analyzed:	02/06/2017 1410h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	3,220	mg/L	SM2540C	15.7	20.0					3060	5.09	5	@

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

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Kyle F. Gross
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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702073
Project: 1st Quarter Ground Water 2017

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-R98630 Date Analyzed: 02/13/2017 1014h													
Test Code: 300.0-W													
Chloride	4.78	mg/L	E300.0	0.0127	0.100	5.000	0	95.7	90 - 110				
Fluoride	4.79	mg/L	E300.0	0.0174	0.100	5.000	0	95.8	90 - 110				
Sulfate	4.98	mg/L	E300.0	0.0327	0.750	5.000	0	99.6	90 - 110				
Lab Sample ID: LCS-R98692 Date Analyzed: 02/16/2017 1611h													
Test Code: 300.0-W													
Sulfate	4.93	mg/L	E300.0	0.0327	0.750	5.000	0	98.5	90 - 110				
Lab Sample ID: LCS-R98288 Date Analyzed: 02/07/2017 936h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	249	mg/L	SM2320B	0.470	1.00	250.0	0	99.8	90 - 110				
Lab Sample ID: LCS-47375 Date Analyzed: 02/07/2017 919h													
Test Code: NH3-W-350.1 Date Prepared: 02/06/2017 1600h													
Ammonia (as N)	10.2	mg/L	E350.1	0.0330	0.0500	10.00	0	102	90 - 110				
Lab Sample ID: LCS-47584 Date Analyzed: 02/16/2017 1605h													
Test Code: NH3-W-350.1 Date Prepared: 02/16/2017 1050h													
Ammonia (as N)	10.3	mg/L	E350.1	0.0330	0.0500	10.00	0	103	90 - 110				
Lab Sample ID: LCS-R98357 Date Analyzed: 02/08/2017 1849h													
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-R98300 Date Analyzed: 02/06/2017 1410h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	224	mg/L	SM2540C	7.87	10.0	205.0	0	109	80 - 120				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702073
Project: 1st Quarter Ground Water 2017

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-R98630 Date Analyzed: 02/13/2017 957h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0127	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0174	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0327	0.750								
Lab Sample ID: MB-R98692 Date Analyzed: 02/16/2017 1554h													
Test Code: 300.0-W													
Sulfate	< 0.750	mg/L	E300.0	0.0327	0.750								
Lab Sample ID: MB-R98288 Date Analyzed: 02/07/2017 936h													
Test Code: ALK-W-2320B-LL													
Bicarbonate (as CaCO3)	< 1.00	mg/L	SM2320B	0.470	1.00								
Carbonate (as CaCO3)	< 1.00	mg/L	SM2320B	0.470	1.00								
Lab Sample ID: MB-47375 Date Analyzed: 02/07/2017 918h													
Test Code: NH3-W-350.1 Date Prepared: 02/06/2017 1600h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0330	0.0500								
Lab Sample ID: MB-47584 Date Analyzed: 02/16/2017 1605h													
Test Code: NH3-W-350.1 Date Prepared: 02/16/2017 1050h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0330	0.0500								
Lab Sample ID: MB-R98357 Date Analyzed: 02/08/2017 1848h													
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-R98300 Date Analyzed: 02/06/2017 1410h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	7.87	10.0								

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702073
Project: 1st Quarter Ground Water 2017

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: 1702073-005AMS Date Analyzed: 02/13/2017 1720h													
Test Code: 300.0-W													
Chloride	10,800	mg/L	E300.0	25.4	200	10,000	17.3	108	90 - 110				
Fluoride	10,400	mg/L	E300.0	34.8	200	10,000	0	104	90 - 110				
Sulfate	13,000	mg/L	E300.0	65.4	1,500	10,000	2200	108	90 - 110				
Lab Sample ID: 1702073-007AMS Date Analyzed: 02/16/2017 1933h													
Test Code: 300.0-W													
Sulfate	11,900	mg/L	E300.0	65.4	1,500	10,000	2010	98.9	90 - 110				
Lab Sample ID: 1702073-006AMS Date Analyzed: 02/07/2017 936h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	192	mg/L	SM2320B	0.470	1.00	50.00	142	101	80 - 120				
Lab Sample ID: 1702073-007DMS Date Analyzed: 02/07/2017 939h													
Test Code: NH3-W-350.1 Date Prepared: 02/06/2017 1600h													
Ammonia (as N)	10.4	mg/L	E350.1	0.0333	0.0505	10.10	0.0703	102	90 - 110				
Lab Sample ID: 1702073-006DMS Date Analyzed: 02/16/2017 1607h													
Test Code: NH3-W-350.1 Date Prepared: 02/16/2017 1050h													
Ammonia (as N)	13.7	mg/L	E350.1	0.0333	0.0505	10.10	0	135	90 - 110				'
Lab Sample ID: 1702208-001DMS Date Analyzed: 02/16/2017 1609h													
Test Code: NH3-W-350.1 Date Prepared: 02/16/2017 1050h													
Ammonia (as N)	14.5	mg/L	E350.1	0.0333	0.0505	10.10	0.739	137	90 - 110				'
Lab Sample ID: 1702073-003AMS Date Analyzed: 02/08/2017 1851h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	13.4	mg/L	E353.2	0.0833	0.100	10.00	2.77	107	90 - 110				

' - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702073
Project: 1st Quarter Ground Water 2017

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: 1702073-005AMSD Date Analyzed: 02/13/2017 1736h													
Test Code: 300.0-W													
Chloride	10,200	mg/L	E300.0	25.4	200	10,000	17.3	102	90 - 110	10800	5.85	20	
Fluoride	9,860	mg/L	E300.0	34.8	200	10,000	0	98.6	90 - 110	10400	5.77	20	
Sulfate	12,400	mg/L	E300.0	65.4	1,500	10,000	2200	102	90 - 110	13000	5.20	20	
Lab Sample ID: 1702073-007AMSD Date Analyzed: 02/16/2017 1950h													
Test Code: 300.0-W													
Sulfate	11,900	mg/L	E300.0	65.4	1,500	10,000	2010	98.5	90 - 110	11900	0.373	20	
Lab Sample ID: 1702073-006AMSD Date Analyzed: 02/07/2017 936h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	192	mg/L	SM2320B	0.470	1.00	50.00	142	99.6	80 - 120	193	0.469	10	
Lab Sample ID: 1702073-007DMSD Date Analyzed: 02/07/2017 942h													
Test Code: NH3-W-350.1 Date Prepared: 02/06/2017 1600h													
Ammonia (as N)	10.0	mg/L	E350.1	0.0333	0.0505	10.10	0.0703	98.3	90 - 110	10.4	3.78	10	
Lab Sample ID: 1702073-006DMSD Date Analyzed: 02/16/2017 1608h													
Test Code: NH3-W-350.1 Date Prepared: 02/16/2017 1050h													
Ammonia (as N)	13.8	mg/L	E350.1	0.0333	0.0505	10.10	0	137	90 - 110	13.7	1.18	10	!
Lab Sample ID: 1702208-001DMSD Date Analyzed: 02/16/2017 1610h													
Test Code: NH3-W-350.1 Date Prepared: 02/16/2017 1050h													
Ammonia (as N)	18.9	mg/L	E350.1	0.0333	0.0505	10.10	0.739	180	90 - 110	14.5	26.3	10	!@
Lab Sample ID: 1702073-003AMSD Date Analyzed: 02/08/2017 1853h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	13.2	mg/L	E353.2	0.0833	0.100	10.00	2.77	104	90 - 110	13.5	1.80	10	

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

! - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702073
Project: 1st Quarter Ground Water 2017

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 020617A Date Analyzed: 02/06/2017 825h Test Code: 8260-W-DEN100													
Benzene	22.0	µg/L	SW8260C	0.270	1.00	20.00	0	110	82 - 132				
Chloroform	20.9	µg/L	SW8260C	0.153	1.00	20.00	0	104	85 - 124				
Methylene chloride	22.0	µg/L	SW8260C	0.172	1.00	20.00	0	110	71 - 135				
Naphthalene	19.3	µg/L	SW8260C	0.587	1.00	20.00	0	96.5	63 - 129				
Tetrahydrofuran	17.1	µg/L	SW8260C	0.516	1.00	20.00	0	85.4	59 - 120				
Toluene	21.7	µg/L	SW8260C	0.183	1.00	20.00	0	108	78 - 130				
Xylenes, Total	65.5	µg/L	SW8260C	0.857	1.00	60.00	0	109	70 - 138				
Surr: 1,2-Dichloroethane-d4	46.0	µg/L	SW8260C			50.00		92.1	80 - 125				
Surr: 4-Bromofluorobenzene	50.1	µg/L	SW8260C			50.00		100	85 - 121				
Surr: Dibromofluoromethane	50.0	µg/L	SW8260C			50.00		100	77 - 118				
Surr: Toluene-d8	49.8	µg/L	SW8260C			50.00		99.6	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702073
Project: 1st Quarter Ground Water 2017

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 020617A Date Analyzed: 02/06/2017 904h													
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	46.7	µg/L	SW8260C			50.00		93.4	80 - 125				
Surr: 4-Bromofluorobenzene	50.2	µg/L	SW8260C			50.00		100	85 - 121				
Surr: Dibromofluoromethane	48.3	µg/L	SW8260C			50.00		96.7	77 - 118				
Surr: Toluene-d8	50.5	µg/L	SW8260C			50.00		101	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702073
Project: 1st Quarter Ground Water 2017

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: 1702073-005EMS Date Analyzed: 02/06/2017 1310h													
Test Code: 8260-W-DEN100													
Benzene	20.6	µg/L	SW8260C	0.270	1.00	20.00	0	103	66 - 145				
Chloroform	19.7	µg/L	SW8260C	0.153	1.00	20.00	0	98.4	50 - 146				
Methylene chloride	20.3	µg/L	SW8260C	0.172	1.00	20.00	0	102	30 - 192				
Naphthalene	18.9	µg/L	SW8260C	0.587	1.00	20.00	0	94.3	41 - 131				
Tetrahydrofuran	21.8	µg/L	SW8260C	0.516	1.00	20.00	0	109	43 - 146				
Toluene	20.2	µg/L	SW8260C	0.183	1.00	20.00	0	101	18 - 192				
Xylenes, Total	60.6	µg/L	SW8260C	0.857	1.00	60.00	0	101	42 - 167				
Surr: 1,2-Dichloroethane-d4	49.9	µg/L	SW8260C			50.00		99.8	72 - 151				
Surr: 4-Bromofluorobenzene	49.3	µg/L	SW8260C			50.00		98.5	80 - 152				
Surr: Dibromofluoromethane	49.7	µg/L	SW8260C			50.00		99.3	70 - 130				
Surr: Toluene-d8	49.4	µg/L	SW8260C			50.00		98.9	60 - 115				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702073
Project: 1st Quarter Ground Water 2017

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: 1702073-005EMSD	Date Analyzed:	02/06/2017 1330h											
Test Code: 8260-W-DEN100													
Benzene	21.2	µg/L	SW8260C	0.270	1.00	20.00	0	106	66 - 145	20.6	2.78	25	
Chloroform	20.3	µg/L	SW8260C	0.153	1.00	20.00	0	102	50 - 146	19.7	3.10	25	
Methylene chloride	21.3	µg/L	SW8260C	0.172	1.00	20.00	0	106	30 - 192	20.3	4.52	25	
Naphthalene	19.5	µg/L	SW8260C	0.587	1.00	20.00	0	97.6	41 - 131	18.9	3.39	25	
Tetrahydrofuran	21.3	µg/L	SW8260C	0.516	1.00	20.00	0	107	43 - 146	21.8	2.13	25	
Toluene	20.9	µg/L	SW8260C	0.183	1.00	20.00	0	105	18 - 192	20.2	3.50	25	
Xylenes, Total	62.5	µg/L	SW8260C	0.857	1.00	60.00	0	104	42 - 167	60.6	3.14	25	
Surr: 1,2-Dichloroethane-d4	50.2	µg/L	SW8260C			50.00		100	72 - 151				
Surr: 4-Bromofluorobenzene	50.3	µg/L	SW8260C			50.00		101	80 - 152				
Surr: Dibromofluoromethane	50.0	µg/L	SW8260C			50.00		99.9	70 - 130				
Surr: Toluene-d8	49.4	µg/L	SW8260C			50.00		98.9	60 - 115				

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

Rpt Emailed: UL Denison

WORK ORDER Summary

Work Order: **1702073**

Client: Energy Fuels Resources, Inc. Due Date: 2/17/2017

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **1st Quarter Ground Water 2017** **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. 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	
1702073-001A	**MW-01_01312017**	1/31/2017 1445h	2/3/2017 1025h	**300.0-W**	Aqueous		DF-WC	1
				2 SEL Analytes: CL SO4				
1702073-002A	**MW-18_02012017**	2/1/2017 1400h	2/3/2017 1025h	**300.0-W**	Aqueous		DF-WC	1
				1 SEL Analytes: SO4				
1702073-002B				**200.8-DIS**			DF-Metals	
				1 SEL Analytes: TL				
				200.8-DIS-PR			DF-Metals	
1702073-002C				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1702073-003A	**MW-19_01312017**	1/31/2017 1500h	2/3/2017 1025h	**NO2/NO3-W-353.2**	Aqueous		DF-NO2/NO3	1
				1 SEL Analytes: NO3NO2N				
1702073-004A	**MW-32_02012017**	2/1/2017 1330h	2/3/2017 1025h	**300.0-W**	Aqueous		DF-WC	1
				2 SEL Analytes: CL SO4				
1702073-005A	**MW-14_02022017**	2/2/2017 1045h	2/3/2017 1025h	**300.0-W**	Aqueous		DF-WC	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			DF-WC	
				2 SEL Analytes: ALKB ALKC				
1702073-005B				**200.7-DIS**			DF-Metals	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			DF-Metals	
				200.8-DIS			DF-Metals	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			DF-Metals	
				HG-DW-DIS-245.1			DF-Metals	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			DF-Metals	
				IONBALANCE			DF-Metals	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				

Printed: 2/6/2017 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1702073**

Client: Energy Fuels Resources, Inc. Due Date: 2/17/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1702073-005C	**MW-14_02022017**	2/2/2017 1045h	2/3/2017 1025h	**TDS-W-2540C**	Aqueous		DF-tds	1
				1 SEL Analytes: TDS				
1702073-005D				**NH3-W-350.1**			DF-NH3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			DF-NH3	
				NO2/NO3-W-353.2			DF-NH3	
				1 SEL Analytes: NO3NO2N				
1702073-005E				**8260-W-DEN100**			vOC	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1702073-006A	**MW-30_02022017**	2/2/2017 1120h	2/3/2017 1025h	**300.0-W**	Aqueous		DF-WC	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			DF-WC	
				2 SEL Analytes: ALKB ALKC				
1702073-006B				**200.7-DIS**			DF-Metals	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			DF-Metals	
				200.8-DIS			DF-Metals	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			DF-Metals	
				HG-DW-DIS-245.1			DF-Metals	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			DF-Metals	
				IONBALANCE			DF-Metals	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1702073-006C				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1702073-006D				**NH3-W-350.1**			DF-NH3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			DF-NH3	
				NO2/NO3-W-353.2			DF-NH3	
				1 SEL Analytes: NO3NO2N				
1702073-006E				**8260-W-DEN100**			vOC	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1702073-007A	**MW-65_02022017**	2/2/2017 1045h	2/3/2017 1025h	**300.0-W**	Aqueous		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: **1702073**

Client: Energy Fuels Resources, Inc. Due Date: 2/17/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1702073-007B	**MW-65_02022017**	2/2/2017 1045h	2/3/2017 1025h	**200.7-DIS**	Aqueous		DF-Metals	1
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			DF-Metals	
				200.8-DIS			DF-Metals	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			DF-Metals	
				HG-DW-DIS-245.1			DF-Metals	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			DF-Metals	
				IONBALANCE			DF-Metals	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1702073-007C				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1702073-007D				**NH3-W-350.1**			DF-NH3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			DF-NH3	
				NO2/NO3-W-353.2			DF-NH3	
				1 SEL Analytes: NO3NO2N				
1702073-007E				**8260-W-DEN100**			vOC	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1702073-008A	**Trip Blank**	2/2/2017	2/3/2017 1025h	**8260-W-DEN100**	Aqueous		voc	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				

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CHAIN OF CUSTODY

1702073
AWAL Lab Sample Set #

Page 1 of 2

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: **1ST Quarter 2017**
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)	Cl (4500 or 300.0)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Dissolved Thallium (200.7/200.8)	SO_4 (4500 or 300.0)	Fl (4500 or 300.0)	Known Hazards & Sample Comments
1	MW-01_01312017	1/31/2017	1445	1	W		X						X		
2															
3															
4															
5															
6	MW-18_02012017	2/1/2017	1400	3	W			X				X	X		
7	MW-19_01312017	1/31/2017	1500	1	W	X									
8															
9															
10															
11															
12	MW-32_02012017	2/1/2017	1330	2	W		X						X		

Laboratory Use Only

Samples Were: (Shipped or hand delivered) UPS
Ambient or Chilled
Temperature 2.3 °C
Received Broken/Leaking (Improperly Sealed) Y (N)
Properly Preserved (Y) N
Checked at bench Y N
Received Within Holding Times (Y) N
Present on Outer Package (Y) N NA
Unbroken on Outer Package (Y) N NA
Present on Sample Y N (NA)
Unbroken on Sample Y N (NA)
Discrepancies Between Sample Labels and COC Record? Y (N)

Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name: Tanner Holliday	Time: 1200	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature Elaina Hayward	Date: 2/3/17
Print Name:	Time:	Print Name: Elaina Hayward	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.

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CHAIN OF CUSTODY

1702073
AWAL Lab Sample Set #
Page 2 of 2

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: **1st Quarter Groundwater 2017**
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
5	MW-14_02022017	2/2/2017	1045	7	W	x	x	x	x	x	x	x	x	x	x	
6	MW-30_02022017	2/2/2017	1120	7	W	x	x	x	x	x	x	x	x	x	x	
7	MW-65_02022017	2/2/2017	1045	7	W	x	x	x	x	x	x	x	x	x	x	
3	TRIP BLANK	2/2/2017		3	W										x	
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 2.3 °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

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: 2/2/2017	Received by: Signature	Date:
Print Name: TANNER HOLLIDAY	Time: 1200	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date: 2-3-17
Print Name:	Time:	Print Name: Ellen Hay	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: 17020 73

pH Lot #: 5000

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	2	3	5	6	7													
Ammonia	pH <2 H_2SO_4			Yes	Yes	Yes													
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes		Yes	Yes	Yes													
NO_2 & NO_3	pH <2 H_2SO_4		Yes	Yes	Yes	Yes													
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH >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.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: 1st Quarter Groundwater 2017

Dear Garrin Palmer: Lab Set ID: 1702208

American West Analytical Laboratories received sample(s) on 2/10/2017 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: 2017.03.02 10:51:17 -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

Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	1st Quarter Groundwater 2017
Lab Set ID:	1702208

Sample Receipt Information:

Date of Receipt:	2/10/2017
Dates of Collection:	2/7-2/9/2017
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
1702208-001E	Calcium	MS/MSD	High analyte concentration
1702208-001E	Silver	MS/MSD	Sample matrix interference
1702208-001E	Sodium	MS/MSD	High analyte concentration
1702073-006D	Ammonia	MS/MSD	Sample matrix interference
1702208-001D	Ammonia	MS/MSD/RPD	Sample matrix interference or suspected sample non-homogeneity
1702208-004D	Ammonia	MS/MSD	Sample matrix interference
1702208-001D	Nitrate/Nitrite	MS	Sample matrix interference

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	1st Quarter Groundwater 2017
Lab Set ID:	1702208

Sample Receipt Information:

Date of Receipt:	2/10/2017
Dates of Collection:	2/7-2/9/2017
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

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Set ID: 1702208
Date Received: 2/10/2017 1045h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1702208-001A	MW-11_02082017	2/8/2017	1200h	Aqueous	VOA by GC/MS Method 8260C/5030C
1702208-001B	MW-11_02082017	2/8/2017	1200h	Aqueous	Anions, E300.0
1702208-001B	MW-11_02082017	2/8/2017	1200h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1702208-001C	MW-11_02082017	2/8/2017	1200h	Aqueous	Total Dissolved Solids, A2540C
1702208-001D	MW-11_02082017	2/8/2017	1200h	Aqueous	Nitrite/Nitrate (as N), E353.2
1702208-001D	MW-11_02082017	2/8/2017	1200h	Aqueous	Ammonia, Aqueous
1702208-001E	MW-11_02082017	2/8/2017	1200h	Aqueous	Ion Balance
1702208-001E	MW-11_02082017	2/8/2017	1200h	Aqueous	ICP Metals, Dissolved
1702208-001E	MW-11_02082017	2/8/2017	1200h	Aqueous	ICPMS Metals, Dissolved
1702208-001E	MW-11_02082017	2/8/2017	1200h	Aqueous	Mercury, Drinking Water Dissolved
1702208-002A	MW-25_02072017	2/7/2017	1135h	Aqueous	VOA by GC/MS Method 8260C/5030C
1702208-002B	MW-25_02072017	2/7/2017	1135h	Aqueous	Anions, E300.0
1702208-002B	MW-25_02072017	2/7/2017	1135h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1702208-002C	MW-25_02072017	2/7/2017	1135h	Aqueous	Total Dissolved Solids, A2540C
1702208-002D	MW-25_02072017	2/7/2017	1135h	Aqueous	Nitrite/Nitrate (as N), E353.2
1702208-002D	MW-25_02072017	2/7/2017	1135h	Aqueous	Ammonia, Aqueous
1702208-002E	MW-25_02072017	2/7/2017	1135h	Aqueous	Ion Balance
1702208-002E	MW-25_02072017	2/7/2017	1135h	Aqueous	ICP Metals, Dissolved
1702208-002E	MW-25_02072017	2/7/2017	1135h	Aqueous	ICPMS Metals, Dissolved
1702208-002E	MW-25_02072017	2/7/2017	1135h	Aqueous	Mercury, Drinking Water Dissolved
1702208-003A	MW-26_02092017	2/9/2017	945h	Aqueous	VOA by GC/MS Method 8260C/5030C
1702208-003B	MW-26_02092017	2/9/2017	945h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1702208-003B	MW-26_02092017	2/9/2017	945h	Aqueous	Anions, E300.0
1702208-003C	MW-26_02092017	2/9/2017	945h	Aqueous	Total Dissolved Solids, A2540C
1702208-003D	MW-26_02092017	2/9/2017	945h	Aqueous	Ammonia, Aqueous
1702208-003D	MW-26_02092017	2/9/2017	945h	Aqueous	Nitrite/Nitrate (as N), E353.2
1702208-003E	MW-26_02092017	2/9/2017	945h	Aqueous	Ion Balance
1702208-003E	MW-26_02092017	2/9/2017	945h	Aqueous	ICP Metals, Dissolved
1702208-003E	MW-26_02092017	2/9/2017	945h	Aqueous	ICPMS Metals, Dissolved

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Set ID: 1702208
Date Received: 2/10/2017 1045h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1702208-003E	MW-26_02092017	2/9/2017	945h	Aqueous	Mercury, Drinking Water Dissolved
1702208-004A	MW-31_02072017	2/7/2017	1335h	Aqueous	VOA by GC/MS Method 8260C/5030C
1702208-004B	MW-31_02072017	2/7/2017	1335h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1702208-004B	MW-31_02072017	2/7/2017	1335h	Aqueous	Anions, E300.0
1702208-004C	MW-31_02072017	2/7/2017	1335h	Aqueous	Total Dissolved Solids, A2540C
1702208-004D	MW-31_02072017	2/7/2017	1335h	Aqueous	Nitrite/Nitrate (as N), E353.2
1702208-004D	MW-31_02072017	2/7/2017	1335h	Aqueous	Ammonia, Aqueous
1702208-004E	MW-31_02072017	2/7/2017	1335h	Aqueous	ICPMS Metals, Dissolved
1702208-004E	MW-31_02072017	2/7/2017	1335h	Aqueous	Mercury, Drinking Water Dissolved
1702208-004E	MW-31_02072017	2/7/2017	1335h	Aqueous	ICP Metals, Dissolved
1702208-004E	MW-31_02072017	2/7/2017	1335h	Aqueous	Ion Balance
1702208-005A	MW-35_02072017	2/7/2017	1400h	Aqueous	VOA by GC/MS Method 8260C/5030C
1702208-005B	MW-35_02072017	2/7/2017	1400h	Aqueous	Anions, E300.0
1702208-005B	MW-35_02072017	2/7/2017	1400h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1702208-005C	MW-35_02072017	2/7/2017	1400h	Aqueous	Total Dissolved Solids, A2540C
1702208-005D	MW-35_02072017	2/7/2017	1400h	Aqueous	Nitrite/Nitrate (as N), E353.2
1702208-005D	MW-35_02072017	2/7/2017	1400h	Aqueous	Ammonia, Aqueous
1702208-005E	MW-35_02072017	2/7/2017	1400h	Aqueous	Ion Balance
1702208-005E	MW-35_02072017	2/7/2017	1400h	Aqueous	Mercury, Drinking Water Dissolved
1702208-005E	MW-35_02072017	2/7/2017	1400h	Aqueous	ICP Metals, Dissolved
1702208-005E	MW-35_02072017	2/7/2017	1400h	Aqueous	ICPMS Metals, Dissolved
1702208-006A	MW-70_02082017	2/8/2017	1200h	Aqueous	VOA by GC/MS Method 8260C/5030C
1702208-006B	MW-70_02082017	2/8/2017	1200h	Aqueous	Anions, E300.0
1702208-006B	MW-70_02082017	2/8/2017	1200h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1702208-006C	MW-70_02082017	2/8/2017	1200h	Aqueous	Total Dissolved Solids, A2540C
1702208-006D	MW-70_02082017	2/8/2017	1200h	Aqueous	Nitrite/Nitrate (as N), E353.2
1702208-006D	MW-70_02082017	2/8/2017	1200h	Aqueous	Ammonia, Aqueous
1702208-006E	MW-70_02082017	2/8/2017	1200h	Aqueous	Ion Balance
1702208-006E	MW-70_02082017	2/8/2017	1200h	Aqueous	ICP Metals, Dissolved
1702208-006E	MW-70_02082017	2/8/2017	1200h	Aqueous	ICPMS Metals, Dissolved

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2017
Lab Set ID: 1702208
Date Received: 2/10/2017 1045h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1702208-006E	MW-70_02082017	2/8/2017	1200h	Aqueous	Mercury, Drinking Water Dissolved
1702208-007A	Trip Blank	2/7/2017		Aqueous	VOA by GC/MS Method 8260C/5030C
1702208-008A	MW-03A_02092017	2/9/2017	940h	Aqueous	ICPMS Metals, Dissolved
1702208-008B	MW-03A_02092017	2/9/2017	940h	Aqueous	Anions, E300.0

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Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: 1st Quarter GW 2017

Dear Garrin Palmer: Lab Set ID: 1703182

3440 South 700 West
Salt Lake City, UT 84119

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories received sample(s) on 3/10/2017 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha
Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou, email=jose@awal-labs.com, c=US
Date: 2017.03.27 14:06:29 -06'00'

Laboratory Director or designee

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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:	1st Quarter GW 2017
Lab Set ID:	1703182

Sample Receipt Information:

Date of Receipt:	3/10/2017
Dates of Collection:	3/7-3/8/2017
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
1703180-003B	Nitrate/Nitrite	MS/MSD	Sample matrix interference
1703182-002A	Calcium	MS/MSD	High analyte concentration
1703182-002A	Magnesium	MS	High analyte concentration
1703182-002A	Sodium	MS/MSD	High analyte concentration
1703182-002C	Ammonia	MS/MSD	Sample matrix interference

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	1st Quarter GW 2017
Lab Set ID:	1703182

Sample Receipt Information:

Date of Receipt:	3/10/2017
Dates of Collection:	3/7-3/8/2017
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.

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: 1st Quarter GW 2017
Lab Set ID: 1703182
Date Received: 3/10/2017 853h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1703182-001A	MW-24_03082017	3/8/2017	1020h	Aqueous	ICPMS Metals, Dissolved
1703182-001B	MW-24_03082017	3/8/2017	1020h	Aqueous	Anions, E300.0
1703182-002A	MW-37_03072017	3/7/2017	845h	Aqueous	Mercury, Drinking Water Dissolved
1703182-002A	MW-37_03072017	3/7/2017	845h	Aqueous	ICP Metals, Dissolved
1703182-002A	MW-37_03072017	3/7/2017	845h	Aqueous	ICPMS Metals, Dissolved
1703182-002B	MW-37_03072017	3/7/2017	845h	Aqueous	Ion Balance
1703182-002B	MW-37_03072017	3/7/2017	845h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1703182-002B	MW-37_03072017	3/7/2017	845h	Aqueous	Anions, E300.0
1703182-002C	MW-37_03072017	3/7/2017	845h	Aqueous	Ammonia, Aqueous
1703182-002C	MW-37_03072017	3/7/2017	845h	Aqueous	Nitrite/Nitrate (as N), E353.2
1703182-002D	MW-37_03072017	3/7/2017	845h	Aqueous	Total Dissolved Solids, A2540C
1703182-002E	MW-37_03072017	3/7/2017	845h	Aqueous	VOA by GC/MS Method 8260C/5030C
1703182-003A	Trip Blank	3/7/2017		Aqueous	VOA by GC/MS Method 8260C/5030C

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703182
Project: 1st Quarter GW 2017

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-47931	Date Analyzed:	03/21/2017 1108h											
Test Code: 200.7-DIS	Date Prepared:	03/10/2017 1130h											
Calcium	10.1	mg/L	E200.7	0.0332	1.00	10.00	0	101	85 - 115				
Magnesium	10.4	mg/L	E200.7	0.0710	1.00	10.00	0	104	85 - 115				
Potassium	10.2	mg/L	E200.7	0.183	1.00	10.00	0	102	85 - 115				
Sodium	10.3	mg/L	E200.7	0.0311	1.00	10.00	0	103	85 - 115				
Vanadium	0.187	mg/L	E200.7	0.000643	0.00500	0.2000	0	93.7	85 - 115				
Lab Sample ID: LCS-47932	Date Analyzed:	03/13/2017 907h											
Test Code: 200.8-DIS	Date Prepared:	03/10/2017 1130h											
Arsenic	0.191	mg/L	E200.8	0.000177	0.00200	0.2000	0	95.6	85 - 115				
Beryllium	0.188	mg/L	E200.8	0.0000318	0.00200	0.2000	0	94.0	85 - 115				
Cadmium	0.190	mg/L	E200.8	0.000226	0.000500	0.2000	0	95.0	85 - 115				
Chromium	0.192	mg/L	E200.8	0.000210	0.00200	0.2000	0	95.9	85 - 115				
Cobalt	0.189	mg/L	E200.8	0.0000336	0.00400	0.2000	0	94.3	85 - 115				
Copper	0.192	mg/L	E200.8	0.000648	0.00200	0.2000	0	95.9	85 - 115				
Iron	0.954	mg/L	E200.8	0.0113	0.100	1.000	0	95.4	85 - 115				
Lead	0.191	mg/L	E200.8	0.000308	0.00200	0.2000	0	95.6	85 - 115				
Manganese	0.190	mg/L	E200.8	0.000658	0.00200	0.2000	0	94.9	85 - 115				
Molybdenum	0.194	mg/L	E200.8	0.000692	0.00200	0.2000	0	97.1	85 - 115				
Nickel	0.192	mg/L	E200.8	0.000932	0.00200	0.2000	0	95.9	85 - 115				
Selenium	0.192	mg/L	E200.8	0.000176	0.00200	0.2000	0	96.0	85 - 115				
Silver	0.190	mg/L	E200.8	0.0000884	0.00200	0.2000	0	94.9	85 - 115				
Thallium	0.187	mg/L	E200.8	0.000462	0.00200	0.2000	0	93.5	85 - 115				
Tin	0.959	mg/L	E200.8	0.000206	0.00200	1.000	0	95.9	85 - 115				
Uranium	0.194	mg/L	E200.8	0.000440	0.00200	0.2000	0	97.0	85 - 115				
Zinc	0.965	mg/L	E200.8	0.00304	0.00500	1.000	0	96.5	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: 1703182
Project: 1st Quarter GW 2017

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-48054**	Date Analyzed:	03/20/2017 707h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	03/17/2017 1147h											
Mercury		0.00351	mg/L	E245.1	0.00000511	0.000150	0.003330	0	106	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: 1703182
Project: 1st Quarter GW 2017

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-47931	Date Analyzed:	03/21/2017 1106h											
Test Code: 200.7-DIS	Date Prepared:	03/10/2017 1130h											
Calcium	< 1.00	mg/L	E200.7	0.0332	1.00								
Magnesium	< 1.00	mg/L	E200.7	0.0710	1.00								
Potassium	< 1.00	mg/L	E200.7	0.183	1.00								
Sodium	< 1.00	mg/L	E200.7	0.0311	1.00								
Vanadium	< 0.00500	mg/L	E200.7	0.000643	0.00500								
Lab Sample ID: MB-47932	Date Analyzed:	03/13/2017 904h											
Test Code: 200.8-DIS	Date Prepared:	03/10/2017 1130h											
Arsenic	< 0.00200	mg/L	E200.8	0.000177	0.00200								
Cadmium	< 0.000500	mg/L	E200.8	0.000226	0.000500								
Chromium	< 0.00200	mg/L	E200.8	0.000210	0.00200								
Cobalt	< 0.00400	mg/L	E200.8	0.0000336	0.00400								
Copper	< 0.00200	mg/L	E200.8	0.000648	0.00200								
Manganese	< 0.00200	mg/L	E200.8	0.000658	0.00200								
Molybdenum	< 0.00200	mg/L	E200.8	0.000692	0.00200								
Nickel	< 0.00200	mg/L	E200.8	0.000932	0.00200								
Silver	< 0.00200	mg/L	E200.8	0.0000884	0.00200								
Thallium	< 0.00200	mg/L	E200.8	0.000462	0.00200								
Tin	< 0.00200	mg/L	E200.8	0.000206	0.00200								
Zinc	< 0.00500	mg/L	E200.8	0.00304	0.00500								
Lab Sample ID: MB-47932	Date Analyzed:	03/13/2017 1030h											
Test Code: 200.8-DIS	Date Prepared:	03/10/2017 1130h											
Iron	< 0.0250	mg/L	E200.8	0.00282	0.0250								
Lead	< 0.000500	mg/L	E200.8	0.0000770	0.000500								
Thallium	< 0.000500	mg/L	E200.8	0.000116	0.000500								

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703182
Project: 1st Quarter GW 2017

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-47932**	Date Analyzed:	03/13/2017 1048h											
Test Code:	200.8-DIS	Date Prepared:	03/10/2017 1130h											
Uranium		< 0.000200	mg/L	E200.8	0.0000440	0.000200								
Lab Sample ID:	**MB-47932**	Date Analyzed:	03/13/2017 1457h											
Test Code:	200.8-DIS	Date Prepared:	03/10/2017 1130h											
Selenium		< 0.000100	mg/L	E200.8	0.00000878	0.000100								
Lab Sample ID:	**MB-47932**	Date Analyzed:	03/14/2017 1120h											
Test Code:	200.8-DIS	Date Prepared:	03/10/2017 1130h											
Beryllium		< 0.000500	mg/L	E200.8	0.00000795	0.000500								
Lab Sample ID:	**MB-48054**	Date Analyzed:	03/20/2017 705h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	03/17/2017 1147h											
Mercury		< 0.000150	mg/L	E245.1	0.00000511	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: 1703182
Project: 1st Quarter GW 2017

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: 1703182-002AMS	Date Analyzed:	03/21/2017 1116h											
Test Code: 200.7-DIS	Date Prepared:	03/10/2017 1130h											
Calcium	458	mg/L	E200.7	0.332	10.0	10.00	468	-99.9	70 - 130				2
Magnesium	135	mg/L	E200.7	0.710	10.0	10.00	131	41.1	70 - 130				2
Sodium	503	mg/L	E200.7	0.311	10.0	10.00	513	-97.2	70 - 130				2
Lab Sample ID: 1703182-002AMS	Date Analyzed:	03/21/2017 1129h											
Test Code: 200.7-DIS	Date Prepared:	03/10/2017 1130h											
Potassium	26.7	mg/L	E200.7	0.183	1.00	10.00	16.4	103	70 - 130				
Vanadium	0.189	mg/L	E200.7	0.000643	0.00500	0.2000	0	94.3	70 - 130				
Lab Sample ID: 1703180-001AMS	Date Analyzed:	03/13/2017 919h											
Test Code: 200.8-DIS	Date Prepared:	03/10/2017 1130h											
Arsenic	0.194	mg/L	E200.8	0.000177	0.00200	0.2000	0.000273	97.1	75 - 125				
Beryllium	0.185	mg/L	E200.8	0.0000318	0.00200	0.2000	0.000063	92.5	75 - 125				
Cadmium	0.188	mg/L	E200.8	0.000226	0.000500	0.2000	0	94.2	75 - 125				
Chromium	0.190	mg/L	E200.8	0.000210	0.00200	0.2000	0	95.0	75 - 125				
Cobalt	0.187	mg/L	E200.8	0.0000336	0.00400	0.2000	0.000468	93.1	75 - 125				
Copper	0.187	mg/L	E200.8	0.000648	0.00200	0.2000	0	93.4	75 - 125				
Iron	0.974	mg/L	E200.8	0.0113	0.100	1.000	0.0499	92.4	75 - 125				
Manganese	0.335	mg/L	E200.8	0.000658	0.00200	0.2000	0.144	95.2	75 - 125				
Molybdenum	0.204	mg/L	E200.8	0.000692	0.00200	0.2000	0.00247	101	75 - 125				
Nickel	0.189	mg/L	E200.8	0.000932	0.00200	0.2000	0	94.4	75 - 125				
Selenium	0.185	mg/L	E200.8	0.000176	0.00200	0.2000	0.000311	92.6	75 - 125				
Silver	0.178	mg/L	E200.8	0.0000884	0.00200	0.2000	0	89.1	75 - 125				
Thallium	0.181	mg/L	E200.8	0.000462	0.00200	0.2000	0	90.5	75 - 125				
Tin	0.998	mg/L	E200.8	0.000206	0.00200	1.000	0.00047	99.7	75 - 125				
Uranium	0.194	mg/L	E200.8	0.000440	0.00200	0.2000	0.000719	96.4	75 - 125				
Zinc	0.970	mg/L	E200.8	0.00304	0.00500	1.000	0	97.0	75 - 125				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703182
Project: 1st Quarter GW 2017

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: 1703182-002AMS	Date Analyzed:	03/13/2017 959h											
Test Code: 200.8-DIS	Date Prepared:	03/10/2017 1130h											
Arsenic	0.207	mg/L	E200.8	0.000177	0.00200	0.2000	0.000373	103	75 - 125				
Beryllium	0.180	mg/L	E200.8	0.0000318	0.00200	0.2000	0	89.8	75 - 125				
Cadmium	0.194	mg/L	E200.8	0.000226	0.000500	0.2000	0.000481	96.8	75 - 125				
Chromium	0.191	mg/L	E200.8	0.000210	0.00200	0.2000	0	95.3	75 - 125				
Cobalt	0.188	mg/L	E200.8	0.0000336	0.00400	0.2000	0.000087	94.1	75 - 125				
Copper	0.189	mg/L	E200.8	0.000648	0.00200	0.2000	0.000968	93.8	75 - 125				
Iron	0.948	mg/L	E200.8	0.0113	0.100	1.000	0	94.8	75 - 125				
Lead	0.187	mg/L	E200.8	0.000308	0.00200	0.2000	0	93.4	75 - 125				
Manganese	0.199	mg/L	E200.8	0.000658	0.00200	0.2000	0.00983	94.6	75 - 125				
Molybdenum	0.207	mg/L	E200.8	0.000692	0.00200	0.2000	0	103	75 - 125				
Nickel	0.197	mg/L	E200.8	0.000932	0.00200	0.2000	0.00717	94.7	75 - 125				
Selenium	0.206	mg/L	E200.8	0.000176	0.00200	0.2000	0.00555	100	75 - 125				
Silver	0.185	mg/L	E200.8	0.0000884	0.00200	0.2000	0	92.7	75 - 125				
Thallium	0.184	mg/L	E200.8	0.000462	0.00200	0.2000	0.00079	91.4	75 - 125				
Tin	1.01	mg/L	E200.8	0.000206	0.00200	1.000	0	101	75 - 125				
Uranium	0.207	mg/L	E200.8	0.000440	0.00200	0.2000	0.0136	96.7	75 - 125				
Zinc	1.01	mg/L	E200.8	0.00304	0.00500	1.000	0.0309	98.2	75 - 125				
Lab Sample ID: 1703182-002AMS	Date Analyzed:	03/20/2017 714h											
Test Code: HG-DW-DIS-245.1	Date Prepared:	03/17/2017 1147h											
Mercury	0.00345	mg/L	E245.1	0.00000511	0.000150	0.003330	0	104	85 - 115				

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

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Laboratory Director

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703182
Project: 1st Quarter GW 2017

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: 1703182-002AMSD	Date Analyzed:	03/21/2017 1118h											
Test Code: 200.7-DIS	Date Prepared:	03/10/2017 1130h											
Calcium	475	mg/L	E200.7	0.332	10.0	10.00	468	62.1	70 - 130	458	3.47	20	2
Magnesium	141	mg/L	E200.7	0.710	10.0	10.00	131	100	70 - 130	135	4.29	20	
Sodium	517	mg/L	E200.7	0.311	10.0	10.00	513	39.9	70 - 130	503	2.69	20	2
Lab Sample ID: 1703182-002AMSD	Date Analyzed:	03/21/2017 1132h											
Test Code: 200.7-DIS	Date Prepared:	03/10/2017 1130h											
Potassium	26.9	mg/L	E200.7	0.183	1.00	10.00	16.4	105	70 - 130	26.7	0.767	20	
Vanadium	0.189	mg/L	E200.7	0.000643	0.00500	0.2000	0	94.6	70 - 130	0.189	0.321	20	
Lab Sample ID: 1703180-001AMSD	Date Analyzed:	03/13/2017 922h											
Test Code: 200.8-DIS	Date Prepared:	03/10/2017 1130h											
Arsenic	0.195	mg/L	E200.8	0.000177	0.00200	0.2000	0.000273	97.3	75 - 125	0.194	0.205	20	
Beryllium	0.188	mg/L	E200.8	0.0000318	0.00200	0.2000	0.000063	94.0	75 - 125	0.185	1.52	20	
Cadmium	0.191	mg/L	E200.8	0.000226	0.000500	0.2000	0	95.3	75 - 125	0.188	1.08	20	
Chromium	0.190	mg/L	E200.8	0.000210	0.00200	0.2000	0	95.1	75 - 125	0.19	0.109	20	
Cobalt	0.187	mg/L	E200.8	0.0000336	0.00400	0.2000	0.000468	93.5	75 - 125	0.187	0.402	20	
Copper	0.190	mg/L	E200.8	0.000648	0.00200	0.2000	0	94.9	75 - 125	0.187	1.59	20	
Iron	0.987	mg/L	E200.8	0.0113	0.100	1.000	0.0499	93.7	75 - 125	0.974	1.33	20	
Manganese	0.337	mg/L	E200.8	0.000658	0.00200	0.2000	0.144	96.5	75 - 125	0.335	0.763	20	
Molybdenum	0.205	mg/L	E200.8	0.000692	0.00200	0.2000	0.00247	101	75 - 125	0.204	0.560	20	
Nickel	0.189	mg/L	E200.8	0.000932	0.00200	0.2000	0	94.6	75 - 125	0.189	0.230	20	
Selenium	0.190	mg/L	E200.8	0.000176	0.00200	0.2000	0.000311	94.7	75 - 125	0.185	2.32	20	
Silver	0.184	mg/L	E200.8	0.0000884	0.00200	0.2000	0	91.8	75 - 125	0.178	2.99	20	
Thallium	0.183	mg/L	E200.8	0.000462	0.00200	0.2000	0	91.4	75 - 125	0.181	0.912	20	
Tin	1.00	mg/L	E200.8	0.000206	0.00200	1.000	0.00047	100	75 - 125	0.998	0.610	20	
Uranium	0.196	mg/L	E200.8	0.000440	0.00200	0.2000	0.000719	97.9	75 - 125	0.194	1.46	20	
Zinc	0.981	mg/L	E200.8	0.00304	0.00500	1.000	0	98.1	75 - 125	0.97	1.16	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: 1703182
Project: 1st Quarter GW 2017

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: 1703182-002AMSD	Date Analyzed:	03/13/2017 1002h											
Test Code: 200.8-DIS	Date Prepared:	03/10/2017 1130h											
Arsenic	0.206	mg/L	E200.8	0.000177	0.00200	0.2000	0.000373	103	75 - 125	0.207	0.568	20	
Beryllium	0.178	mg/L	E200.8	0.0000318	0.00200	0.2000	0	89.0	75 - 125	0.18	0.915	20	
Cadmium	0.192	mg/L	E200.8	0.000226	0.000500	0.2000	0.000481	95.6	75 - 125	0.194	1.19	20	
Chromium	0.191	mg/L	E200.8	0.000210	0.00200	0.2000	0	95.7	75 - 125	0.191	0.463	20	
Cobalt	0.187	mg/L	E200.8	0.0000336	0.00400	0.2000	0.000087	93.3	75 - 125	0.188	0.826	20	
Copper	0.185	mg/L	E200.8	0.000648	0.00200	0.2000	0.000968	92.1	75 - 125	0.189	1.78	20	
Iron	0.970	mg/L	E200.8	0.0113	0.100	1.000	0	97.0	75 - 125	0.948	2.24	20	
Lead	0.185	mg/L	E200.8	0.000308	0.00200	0.2000	0	92.3	75 - 125	0.187	1.19	20	
Manganese	0.198	mg/L	E200.8	0.000658	0.00200	0.2000	0.00983	94.2	75 - 125	0.199	0.437	20	
Molybdenum	0.204	mg/L	E200.8	0.000692	0.00200	0.2000	0	102	75 - 125	0.207	1.46	20	
Nickel	0.195	mg/L	E200.8	0.000932	0.00200	0.2000	0.00717	94.1	75 - 125	0.197	0.660	20	
Selenium	0.202	mg/L	E200.8	0.000176	0.00200	0.2000	0.00555	98.1	75 - 125	0.206	1.86	20	
Silver	0.185	mg/L	E200.8	0.0000884	0.00200	0.2000	0	92.3	75 - 125	0.185	0.407	20	
Thallium	0.181	mg/L	E200.8	0.000462	0.00200	0.2000	0.00079	89.9	75 - 125	0.184	1.64	20	
Tin	1.00	mg/L	E200.8	0.000206	0.00200	1.000	0	100	75 - 125	1.01	0.777	20	
Uranium	0.205	mg/L	E200.8	0.000440	0.00200	0.2000	0.0136	95.7	75 - 125	0.207	0.998	20	
Zinc	1.01	mg/L	E200.8	0.00304	0.00500	1.000	0.0309	98.2	75 - 125	1.01	0.00760	20	
Lab Sample ID: 1703182-002AMSD	Date Analyzed:	03/20/2017 716h											
Test Code: HG-DW-DIS-245.1	Date Prepared:	03/17/2017 1147h											
Mercury	0.00350	mg/L	E245.1	0.00000511	0.000150	0.003330	0	105	85 - 115	0.00345	1.25	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: 1703182
Project: 1st Quarter GW 2017

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: 1703180-005DDUP Date Analyzed: 03/10/2017 1255h Test Code: TDS-W-2540C													
Total Dissolved Solids	1,740	mg/L	SM2540C	15.7	20.0					1690	3.03	5	
Lab Sample ID: 1703182-002DDUP Date Analyzed: 03/10/2017 1255h Test Code: TDS-W-2540C													
Total Dissolved Solids	3,680	mg/L	SM2540C	15.7	20.0					3830	4.05	5	

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Kyle F. Gross
Laboratory Director

Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703182
Project: 1st Quarter GW 2017

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-R99586 Date Analyzed: 03/22/2017 959h													
Test Code: 300.0-W													
Chloride	4.91	mg/L	E300.0	0.0127	0.100	5.000	0	98.2	90 - 110				
Fluoride	4.59	mg/L	E300.0	0.0174	0.100	5.000	0	91.8	90 - 110				
Sulfate	4.51	mg/L	E300.0	0.0327	0.750	5.000	0	90.2	90 - 110				
Lab Sample ID: LCS-R99290 Date Analyzed: 03/13/2017 906h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	241	mg/L	SM2320B	4.70	10.0	250.0	0	96.2	90 - 110				
Lab Sample ID: LCS-47926 Date Analyzed: 03/10/2017 1358h													
Test Code: NH3-W-350.1 Date Prepared: 03/10/2017 1020h													
Ammonia (as N)	10.0	mg/L	E350.1	0.0330	0.0500	10.00	0	100	90 - 110				
Lab Sample ID: LCS-R99261 Date Analyzed: 03/10/2017 1027h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.05	mg/L	E353.2	0.00833	0.0100	1.000	0	105	90 - 110				
Lab Sample ID: LCS-R99307 Date Analyzed: 03/10/2017 1255h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	180	mg/L	SM2540C	7.87	10.0	205.0	0	87.8	80 - 120				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703182
Project: 1st Quarter GW 2017

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-R99586	Date Analyzed:	03/22/2017 943h											
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0127	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0174	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0327	0.750								
Lab Sample ID: MB-R99290	Date Analyzed:	03/13/2017 906h											
Test Code: ALK-W-2320B-LL													
Bicarbonate (as CaCO3)	< 10.0	mg/L	SM2320B	4.70	10.0								
Carbonate (as CaCO3)	< 1.00	mg/L	SM2320B	0.470	1.00								
Lab Sample ID: MB-47926	Date Analyzed:	03/10/2017 1343h											
Test Code: NH3-W-350.1	Date Prepared:	03/10/2017 1020h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0330	0.0500								
Lab Sample ID: MB-R99261	Date Analyzed:	03/10/2017 1026h											
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-R99307	Date Analyzed:	03/10/2017 1255h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	7.87	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: 1703182
Project: 1st Quarter GW 2017

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: 1703182-001BMS Date Analyzed: 03/22/2017 1033h													
Test Code: 300.0-W													
Chloride	9,580	mg/L	E300.0	25.4	200	10,000	44.9	95.3	90 - 110				
Fluoride	9,390	mg/L	E300.0	34.8	200	10,000	0	93.9	90 - 110				
Sulfate	12,500	mg/L	E300.0	65.4	1,500	10,000	2470	100	90 - 110				
Lab Sample ID: 1703182-002BMS Date Analyzed: 03/13/2017 906h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	218	mg/L	SM2320B	4.70	10.0	50.00	168	99.8	80 - 120				
Lab Sample ID: 1703182-002CMS Date Analyzed: 03/10/2017 1354h													
Test Code: NH3-W-350.1 Date Prepared: 03/10/2017 1020h													
Ammonia (as N)	11.1	mg/L	E350.1	0.0330	0.0500	10.00	0	111	90 - 110				1
Lab Sample ID: 1703180-003BMS Date Analyzed: 03/10/2017 1029h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	13.2	mg/L	E353.2	0.0833	0.100	10.00	1.72	115	90 - 110				1
Lab Sample ID: 1703182-002CMS Date Analyzed: 03/10/2017 1035h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.0	mg/L	E353.2	0.0833	0.100	10.00	0.18	109	90 - 110				
Lab Sample ID: 1703181-001BMS Date Analyzed: 03/10/2017 1133h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	125	mg/L	E353.2	0.833	1.00	100.0	17	108	90 - 110				

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: 1703182
Project: 1st Quarter GW 2017

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: 1703182-001BMSD Date Analyzed: 03/22/2017 1050h													
Test Code: 300.0-W													
Chloride	9,650	mg/L	E300.0	25.4	200	10,000	44.9	96.0	90 - 110	9580	0.700	20	
Fluoride	9,410	mg/L	E300.0	34.8	200	10,000	0	94.1	90 - 110	9390	0.238	20	
Sulfate	12,400	mg/L	E300.0	65.4	1,500	10,000	2470	99.6	90 - 110	12500	0.666	20	
Lab Sample ID: 1703182-002BMSD Date Analyzed: 03/13/2017 906h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	216	mg/L	SM2320B	4.70	10.0	50.00	168	96.2	80 - 120	218	0.829	10	
Lab Sample ID: 1703182-002CMSD Date Analyzed: 03/10/2017 1355h													
Test Code: NH3-W-350.1 Date Prepared: 03/10/2017 1020h													
Ammonia (as N)	11.1	mg/L	E350.1	0.0330	0.0500	10.00	0	111	90 - 110	11.1	0.451	10	1
Lab Sample ID: 1703180-003BMSD Date Analyzed: 03/10/2017 1030h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	12.9	mg/L	E353.2	0.0833	0.100	10.00	1.72	112	90 - 110	13.2	2.30	10	1
Lab Sample ID: 1703182-002CMSD Date Analyzed: 03/10/2017 1038h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.2	mg/L	E353.2	0.0833	0.100	10.00	0.18	110	90 - 110	11	1.08	10	
Lab Sample ID: 1703181-001BMSD Date Analyzed: 03/10/2017 1134h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	125	mg/L	E353.2	0.833	1.00	100.0	17	108	90 - 110	125	0.160	10	

[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: 1703182
Project: 1st Quarter GW 2017

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 031317A Date Analyzed: 03/13/2017 1222h													
Test Code: 8260-W-DEN100													
Benzene	20.9	µg/L	SW8260C	0.257	1.00	20.00	0	105	82 - 132				
Chloroform	22.0	µg/L	SW8260C	0.320	1.00	20.00	0	110	85 - 124				
Methylene chloride	19.1	µg/L	SW8260C	0.372	1.00	20.00	0	95.7	71 - 135				
Naphthalene	18.8	µg/L	SW8260C	0.479	1.00	20.00	0	94.3	63 - 129				
Tetrahydrofuran	18.8	µg/L	SW8260C	0.790	1.00	20.00	0	94.3	59 - 120				
Toluene	20.2	µg/L	SW8260C	0.248	1.00	20.00	0	101	78 - 130				
Xylenes, Total	60.8	µg/L	SW8260C	0.720	1.00	60.00	0	101	70 - 138				
Surr: 1,2-Dichloroethane-d4	55.4	µg/L	SW8260C			50.00		111	80 - 125				
Surr: 4-Bromofluorobenzene	50.3	µg/L	SW8260C			50.00		101	85 - 121				
Surr: Dibromofluoromethane	50.6	µg/L	SW8260C			50.00		101	77 - 118				
Surr: Toluene-d8	48.4	µg/L	SW8260C			50.00		96.9	81 - 123				

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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703182
Project: 1st Quarter GW 2017

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 031317A	Date Analyzed:	03/13/2017 1302h											
Test Code: 8260-W-DEN100													
2-Butanone	< 20.0	µg/L	SW8260C	1.05	20.0								
Acetone	< 20.0	µg/L	SW8260C	1.70	20.0								
Benzene	< 1.00	µg/L	SW8260C	0.257	1.00								
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.217	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.320	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.681	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.372	1.00								
Naphthalene	< 1.00	µg/L	SW8260C	0.479	1.00								
Tetrahydrofuran	< 1.00	µg/L	SW8260C	0.790	1.00								
Toluene	< 1.00	µg/L	SW8260C	0.248	1.00								
Xylenes, Total	< 1.00	µg/L	SW8260C	0.720	1.00								
Surr: 1,2-Dichloroethane-d4	56.6	µg/L	SW8260C			50.00		113	80 - 125				
Surr: 4-Bromofluorobenzene	52.6	µg/L	SW8260C			50.00		105	85 - 121				
Surr: Dibromofluoromethane	51.3	µg/L	SW8260C			50.00		103	77 - 118				
Surr: Toluene-d8	49.7	µg/L	SW8260C			50.00		99.3	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703182
Project: 1st Quarter GW 2017

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: 1703180-003DMS Date Analyzed: 03/13/2017 1614h													
Test Code: 8260-W-DEN100													
Benzene	1,050	µg/L	SW8260C	12.8	50.0	1,000	0	105	66 - 145				
Chloroform	3,170	µg/L	SW8260C	16.0	50.0	1,000	2030	114	50 - 146				
Methylene chloride	950	µg/L	SW8260C	18.6	50.0	1,000	0	95.0	30 - 192				
Naphthalene	968	µg/L	SW8260C	24.0	50.0	1,000	0	96.8	41 - 131				
Tetrahydrofuran	1,150	µg/L	SW8260C	39.5	50.0	1,000	0	115	43 - 146				
Toluene	990	µg/L	SW8260C	12.4	50.0	1,000	0	99.0	18 - 192				
Xylenes, Total	2,970	µg/L	SW8260C	36.0	50.0	3,000	0	98.9	42 - 167				
Surr: 1,2-Dichloroethane-d4	2,820	µg/L	SW8260C			2,500		113	72 - 151				
Surr: 4-Bromofluorobenzene	2,470	µg/L	SW8260C			2,500		98.7	80 - 152				
Surr: Dibromofluoromethane	2,560	µg/L	SW8260C			2,500		103	70 - 130				
Surr: Toluene-d8	2,410	µg/L	SW8260C			2,500		96.3	60 - 115				
Lab Sample ID: 1703182-002EMS Date Analyzed: 03/13/2017 1654h													
Test Code: 8260-W-DEN100													
Benzene	19.3	µg/L	SW8260C	0.257	1.00	20.00	0	96.6	66 - 145				
Chloroform	20.3	µg/L	SW8260C	0.320	1.00	20.00	0	101	50 - 146				
Methylene chloride	20.4	µg/L	SW8260C	0.372	1.00	20.00	0	102	30 - 192				
Naphthalene	17.6	µg/L	SW8260C	0.479	1.00	20.00	0	88.1	41 - 131				
Tetrahydrofuran	25.1	µg/L	SW8260C	0.790	1.00	20.00	0	126	43 - 146				
Toluene	18.9	µg/L	SW8260C	0.248	1.00	20.00	0	94.4	18 - 192				
Xylenes, Total	55.3	µg/L	SW8260C	0.720	1.00	60.00	0	92.2	42 - 167				
Surr: 1,2-Dichloroethane-d4	56.0	µg/L	SW8260C			50.00		112	72 - 151				
Surr: 4-Bromofluorobenzene	49.3	µg/L	SW8260C			50.00		98.5	80 - 152				
Surr: Dibromofluoromethane	50.8	µg/L	SW8260C			50.00		102	70 - 130				
Surr: Toluene-d8	48.9	µg/L	SW8260C			50.00		97.9	60 - 115				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703182
Project: 1st Quarter GW 2017

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: 1703180-003DMSD Date Analyzed: 03/13/2017 1634h													
Test Code: 8260-W-DEN100													
Benzene	1,020	µg/L	SW8260C	12.8	50.0	1,000	0	102	66 - 145	1050	2.95	25	
Chloroform	3,120	µg/L	SW8260C	16.0	50.0	1,000	2030	109	50 - 146	3170	1.53	25	
Methylene chloride	926	µg/L	SW8260C	18.6	50.0	1,000	0	92.6	30 - 192	950	2.51	25	
Naphthalene	970	µg/L	SW8260C	24.0	50.0	1,000	0	97.0	41 - 131	968	0.155	25	
Tetrahydrofuran	1,160	µg/L	SW8260C	39.5	50.0	1,000	0	116	43 - 146	1150	0.303	25	
Toluene	967	µg/L	SW8260C	12.4	50.0	1,000	0	96.7	18 - 192	990	2.40	25	
Xylenes, Total	2,910	µg/L	SW8260C	36.0	50.0	3,000	0	97.1	42 - 167	2970	1.79	25	
Surr: 1,2-Dichloroethane-d4	2,850	µg/L	SW8260C			2,500		114	72 - 151				
Surr: 4-Bromofluorobenzene	2,480	µg/L	SW8260C			2,500		99.2	80 - 152				
Surr: Dibromofluoromethane	2,600	µg/L	SW8260C			2,500		104	70 - 130				
Surr: Toluene-d8	2,410	µg/L	SW8260C			2,500		96.5	60 - 115				
Lab Sample ID: 1703182-002EMSD Date Analyzed: 03/13/2017 1714h													
Test Code: 8260-W-DEN100													
Benzene	20.2	µg/L	SW8260C	0.257	1.00	20.00	0	101	66 - 145	19.3	4.65	25	
Chloroform	21.2	µg/L	SW8260C	0.320	1.00	20.00	0	106	50 - 146	20.3	4.34	25	
Methylene chloride	18.0	µg/L	SW8260C	0.372	1.00	20.00	0	90.3	30 - 192	20.4	12.1	25	
Naphthalene	18.5	µg/L	SW8260C	0.479	1.00	20.00	0	92.7	41 - 131	17.6	5.09	25	
Tetrahydrofuran	24.5	µg/L	SW8260C	0.790	1.00	20.00	0	123	43 - 146	25.1	2.54	25	
Toluene	19.5	µg/L	SW8260C	0.248	1.00	20.00	0	97.6	18 - 192	18.9	3.34	25	
Xylenes, Total	57.6	µg/L	SW8260C	0.720	1.00	60.00	0	96.0	42 - 167	55.3	4.07	25	
Surr: 1,2-Dichloroethane-d4	56.5	µg/L	SW8260C			50.00		113	72 - 151				
Surr: 4-Bromofluorobenzene	51.2	µg/L	SW8260C			50.00		102	80 - 152				
Surr: Dibromofluoromethane	51.3	µg/L	SW8260C			50.00		103	70 - 130				
Surr: Toluene-d8	49.6	µg/L	SW8260C			50.00		99.3	60 - 115				

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Rpt Emailed: UL Denison

WORK ORDER Summary

Work Order: **1703182**

Client: Energy Fuels Resources, Inc. Due Date: 3/24/2017

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **1st Quarter GW 2017** **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. 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	
1703182-001A	**MW-24_03082017**	3/8/2017 1020h	3/10/2017 0853h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				2 SEL Analytes: CD TL				
				200.8-DIS-PR			DF-Dis Metals	
1703182-001B				**300.0-W**			DF-WC	
				2 SEL Analytes: F SO4				
1703182-002A	**MW-37_03072017**	3/7/2017 0845h	3/10/2017 0853h	**200.7-DIS**	Aqueous		DF-Dis Metals	1
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			DF-Dis Metals	
				200.8-DIS			DF-Dis Metals	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			DF-Dis Metals	
				HG-DW-DIS-245.1			DF-Dis Metals	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			DF-Dis Metals	
1703182-002B				**300.0-W**			DF-WC	
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			DF-WC	
				2 SEL Analytes: ALKB ALKC				
				IONBALANCE			DF-WC	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1703182-002C				**NH3-W-350.1**			DF-NO2/NO3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			DF-NO2/NO3	
				NO2/NO3-W-353.2			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1703182-002D				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1703182-002E				**8260-W-DEN100**			vOC	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				

Printed: 3/14/2017 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed 3/14/17

WORK ORDER Summary

Work Order: **1703182**

Client: Energy Fuels Resources, Inc. Due Date: 3/24/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1703182-003A	**Trip Blank**	3/7/2017	3/10/2017 0853h	**8260-W-DEN100**	Aqueous		vOC	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				

CHAIN OF CUSTODY

1703182

AWAL Lab Sample Set #

Page 1 of 2

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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: **1ST QUARTER GW 2017**
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)	Cl (4500 or 300.0)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Dissolved Thallium (200.7/200.8)	SO_4 (4500 or 300.0)	Fl (4500 or 300.0)					Known Hazards & Sample Comments
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8	MW-24_03082017	3/8/2017	1020	2	W					X		X	X	X					
9																			
10																			
11																			
12																			

Laboratory Use Only

Samples Were:
Shipped or hand delivered
Ambient or Chilled
Temperature 2.4 °C
Received Broken/Leaking (Improperly Sealed) Y N
Properly Preserved Y N
Checked at bench Y N
Received Within Holding Times Y N
Present on Outer Package Y N NA
Unbroken on Outer Package Y N NA
Present on Sample Y N NA
Unbroken on Sample Y N NA
Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature	Date:	Time:	Received by: Signature	Date:	Time:
Garrin Palmer	3/10/2017	0853	Elma Hayes	3-10-17	0853
Print Name: GARRIN PALMER			Print Name:		
Relinquished by: Signature	Date:	Time:	Received by: Signature	Date:	Time:
Print Name:			Print Name:		
Relinquished by: Signature	Date:	Time:	Received by: Signature	Date:	Time:
Print Name:			Print Name:		
Relinquished by: Signature	Date:	Time:	Received by: Signature	Date:	Time:
Print Name:			Print Name:		

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

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CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1703187
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: ~~**2nd Quarter Groundwater 2013**~~ 2017
Project #: **1ST Quarter GW 2017**
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:

Laboratory Use Only

Samples Were:
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 2.4 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

	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-37_03072017	3/7/2017	845	7	W	x	x	x	x	x	x	x	x	x	x	
2	TRIP BLANK	3/7/2017		3	W										X	
3	TEMP BLANK	3/9/2017		1	W											
4																
5																
6																
7																
8																
9																
10																
11																
12																

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature	Garrin Palmer	Date: 3/10/2017	Received by: Signature	Date: 3/10/17
Print Name:	GARRIN PALMER	Time: 0853	Print Name:	Time: 0853
Relinquished by: Signature		Date:	Received by: Signature	Date:
Print Name:		Time:	Print Name:	Time:
Relinquished by: Signature		Date:	Received by: Signature	Date:
Print Name:		Time:	Print Name:	Time:
Relinquished by: Signature		Date:	Received by: Signature	Date:
Print Name:		Time:	Print Name:	Time:

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 1703182

pH Lot #: 50001

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2																
Ammonia	pH <2 H_2SO_4		Yes																
COD	pH <2 H_2SO_4		Yes																
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes																
NO_2 & NO_3	pH <2 H_2SO_4		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.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702208
Project: 1st Quarter Groundwater 2017

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-47483	Date Analyzed:	02/20/2017 1046h											
Test Code: 200.7-DIS	Date Prepared:	02/10/2017 1437h											
Calcium	9.41	mg/L	E200.7	0.0332	1.00	10.00	0	94.1	85 - 115				
Magnesium	9.85	mg/L	E200.7	0.0710	1.00	10.00	0	98.5	85 - 115				
Potassium	10.3	mg/L	E200.7	0.183	1.00	10.00	0	103	85 - 115				
Sodium	10.4	mg/L	E200.7	0.0311	1.00	10.00	0	104	85 - 115				
Vanadium	0.183	mg/L	E200.7	0.000643	0.00500	0.2000	0	91.6	85 - 115				
Lab Sample ID: LCS-47484	Date Analyzed:	02/21/2017 1100h											
Test Code: 200.8-DIS	Date Prepared:	02/10/2017 1437h											
Arsenic	0.203	mg/L	E200.8	0.000177	0.00200	0.2000	0	102	85 - 115				
Beryllium	0.208	mg/L	E200.8	0.0000318	0.00200	0.2000	0	104	85 - 115				
Cadmium	0.201	mg/L	E200.8	0.000226	0.000500	0.2000	0	100	85 - 115				
Chromium	0.205	mg/L	E200.8	0.000210	0.00200	0.2000	0	102	85 - 115				
Cobalt	0.198	mg/L	E200.8	0.0000336	0.00400	0.2000	0	99.0	85 - 115				
Copper	0.202	mg/L	E200.8	0.000648	0.00200	0.2000	0	101	85 - 115				
Iron	1.02	mg/L	E200.8	0.0113	0.100	1.000	0	102	85 - 115				
Lead	0.203	mg/L	E200.8	0.000308	0.00200	0.2000	0	101	85 - 115				
Manganese	0.202	mg/L	E200.8	0.000658	0.00200	0.2000	0	101	85 - 115				
Molybdenum	0.206	mg/L	E200.8	0.000692	0.00200	0.2000	0	103	85 - 115				
Nickel	0.201	mg/L	E200.8	0.000932	0.00200	0.2000	0	101	85 - 115				
Selenium	0.200	mg/L	E200.8	0.000176	0.00200	0.2000	0	100	85 - 115				
Silver	0.187	mg/L	E200.8	0.0000884	0.00200	0.2000	0	93.7	85 - 115				
Thallium	0.201	mg/L	E200.8	0.000462	0.00200	0.2000	0	100	85 - 115				
Tin	1.02	mg/L	E200.8	0.000206	0.00200	1.000	0	102	85 - 115				
Uranium	0.207	mg/L	E200.8	0.000440	0.00200	0.2000	0	104	85 - 115				
Lab Sample ID: LCS-47484	Date Analyzed:	02/21/2017 1341h											
Test Code: 200.8-DIS	Date Prepared:	02/10/2017 1437h											
Zinc	0.971	mg/L	E200.8	0.00304	0.00500	1.000	0	97.1	85 - 115				

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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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702208
Project: 1st Quarter Groundwater 2017

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-47559**	Date Analyzed:	02/16/2017 731h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	02/15/2017 1300h											
Mercury		0.00355	mg/L	E245.1	0.00000511	0.000150	0.003330	0	107	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: 1702208
Project: 1st Quarter Groundwater 2017

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-47483	Date Analyzed:	02/20/2017 1044h											
Test Code: 200.7-DIS	Date Prepared:	02/10/2017 1437h											
Calcium	< 1.00	mg/L	E200.7	0.0332	1.00								
Magnesium	< 1.00	mg/L	E200.7	0.0710	1.00								
Potassium	< 1.00	mg/L	E200.7	0.183	1.00								
Sodium	< 1.00	mg/L	E200.7	0.0311	1.00								
Vanadium	< 0.00500	mg/L	E200.7	0.000643	0.00500								
Lab Sample ID: MB-47484	Date Analyzed:	02/21/2017 1057h											
Test Code: 200.8-DIS	Date Prepared:	02/10/2017 1437h											
Arsenic	< 0.00200	mg/L	E200.8	0.000177	0.00200								
Cadmium	< 0.000500	mg/L	E200.8	0.000226	0.000500								
Chromium	< 0.00200	mg/L	E200.8	0.000210	0.00200								
Cobalt	< 0.00400	mg/L	E200.8	0.0000336	0.00400								
Copper	< 0.00200	mg/L	E200.8	0.000648	0.00200								
Manganese	< 0.00200	mg/L	E200.8	0.000658	0.00200								
Molybdenum	< 0.00200	mg/L	E200.8	0.000692	0.00200								
Nickel	< 0.00200	mg/L	E200.8	0.000932	0.00200								
Selenium	< 0.00200	mg/L	E200.8	0.000176	0.00200								
Silver	< 0.00200	mg/L	E200.8	0.0000884	0.00200								
Tin	< 0.00200	mg/L	E200.8	0.000206	0.00200								
Lab Sample ID: MB-47484	Date Analyzed:	02/21/2017 1146h											
Test Code: 200.8-DIS	Date Prepared:	02/10/2017 1437h											
Beryllium	< 0.000500	mg/L	E200.8	0.00000795	0.000500								
Iron	< 0.0250	mg/L	E200.8	0.00282	0.0250								
Lead	< 0.000500	mg/L	E200.8	0.0000770	0.000500								
Thallium	< 0.000500	mg/L	E200.8	0.000116	0.000500								

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702208
Project: 1st Quarter Groundwater 2017

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-47484**	Date Analyzed:	02/21/2017 1217h											
Test Code:	200.8-DIS	Date Prepared:	02/10/2017 1437h											
Uranium		< 0.000200	mg/L	E200.8	0.0000440	0.000200								
Lab Sample ID:	**MB-47484**	Date Analyzed:	02/21/2017 1338h											
Test Code:	200.8-DIS	Date Prepared:	02/10/2017 1437h											
Zinc		< 0.00500	mg/L	E200.8	0.00304	0.00500								
Lab Sample ID:	**MB-47559**	Date Analyzed:	02/16/2017 729h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	02/15/2017 1300h											
Mercury		< 0.000150	mg/L	E245.1	0.00000511	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: 1702208
Project: 1st Quarter Groundwater 2017

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: 1702208-001EMS	Date Analyzed:	02/20/2017 1102h											
Test Code: 200.7-DIS	Date Prepared:	02/10/2017 1437h											
Calcium	78.5	mg/L	E200.7	0.664	20.0	10.00	71.9	66.1	70 - 130				2
Magnesium	32.3	mg/L	E200.7	1.42	20.0	10.00	22.9	94.2	70 - 130				
Sodium	602	mg/L	E200.7	0.622	20.0	10.00	608	-67.5	70 - 130				2
Lab Sample ID: 1702208-001EMS	Date Analyzed:	02/21/2017 1029h											
Test Code: 200.7-DIS	Date Prepared:	02/10/2017 1437h											
Potassium	20.1	mg/L	E200.7	0.183	1.00	10.00	7.56	126	70 - 130				
Vanadium	0.207	mg/L	E200.7	0.000643	0.00500	0.2000	0	104	70 - 130				
Lab Sample ID: 1702208-001EMS	Date Analyzed:	02/21/2017 1112h											
Test Code: 200.8-DIS	Date Prepared:	02/10/2017 1437h											
Arsenic	0.211	mg/L	E200.8	0.000177	0.00200	0.2000	0.000271	105	75 - 125				
Beryllium	0.206	mg/L	E200.8	0.0000318	0.00200	0.2000	0	103	75 - 125				
Cadmium	0.200	mg/L	E200.8	0.000226	0.000500	0.2000	0	100	75 - 125				
Chromium	0.199	mg/L	E200.8	0.000210	0.00200	0.2000	0	99.4	75 - 125				
Cobalt	0.196	mg/L	E200.8	0.0000336	0.00400	0.2000	0.00039	97.8	75 - 125				
Copper	0.195	mg/L	E200.8	0.000648	0.00200	0.2000	0	97.6	75 - 125				
Iron	1.03	mg/L	E200.8	0.0113	0.100	1.000	0.0345	99.7	75 - 125				
Lead	0.197	mg/L	E200.8	0.000308	0.00200	0.2000	0	98.6	75 - 125				
Manganese	0.363	mg/L	E200.8	0.000658	0.00200	0.2000	0.162	101	75 - 125				
Molybdenum	0.215	mg/L	E200.8	0.000692	0.00200	0.2000	0.00252	106	75 - 125				
Nickel	0.197	mg/L	E200.8	0.000932	0.00200	0.2000	0	98.3	75 - 125				
Selenium	0.202	mg/L	E200.8	0.000176	0.00200	0.2000	0.000318	101	75 - 125				
Silver	0.136	mg/L	E200.8	0.0000884	0.00200	0.2000	0	68.1	75 - 125				1
Thallium	0.194	mg/L	E200.8	0.000462	0.00200	0.2000	0	96.8	75 - 125				
Tin	1.05	mg/L	E200.8	0.000206	0.00200	1.000	0.00039	105	75 - 125				
Uranium	0.205	mg/L	E200.8	0.000440	0.00200	0.2000	0.00079	102	75 - 125				
Zinc	1.03	mg/L	E200.8	0.00304	0.00500	1.000	0	103	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: 1702208
Project: 1st Quarter Groundwater 2017

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:	**1702208-001EMS**	Date Analyzed:	02/21/2017 1347h											
Test Code:	200.8-DIS	Date Prepared:	02/10/2017 1437h											
Zinc		0.994	mg/L	E200.8	0.00304	0.00500	1.000	0	99.4	75 - 125				
Lab Sample ID:	**1702208-001EMS**	Date Analyzed:	02/16/2017 740h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	02/15/2017 1300h											
Mercury		0.00318	mg/L	E245.1	0.00000511	0.000150	0.003330	0.0000217	94.8	85 - 115				

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702208
Project: 1st Quarter Groundwater 2017

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: 1702208-001EMSD	Date Analyzed:	02/20/2017 1104h											
Test Code: 200.7-DIS	Date Prepared:	02/10/2017 1437h											
Calcium	78.1	mg/L	E200.7	0.664	20.0	10.00	71.9	62.4	70 - 130	78.5	0.461	20	2
Magnesium	31.9	mg/L	E200.7	1.42	20.0	10.00	22.9	90.6	70 - 130	32.3	1.13	20	
Sodium	599	mg/L	E200.7	0.622	20.0	10.00	608	-93.7	70 - 130	602	0.435	20	2
Lab Sample ID: 1702208-001EMSD	Date Analyzed:	02/21/2017 1031h											
Test Code: 200.7-DIS	Date Prepared:	02/10/2017 1437h											
Potassium	19.4	mg/L	E200.7	0.183	1.00	10.00	7.56	118	70 - 130	20.1	3.80	20	
Vanadium	0.210	mg/L	E200.7	0.000643	0.00500	0.2000	0	105	70 - 130	0.207	1.38	20	
Lab Sample ID: 1702208-001EMSD	Date Analyzed:	02/21/2017 1115h											
Test Code: 200.8-DIS	Date Prepared:	02/10/2017 1437h											
Arsenic	0.210	mg/L	E200.8	0.000177	0.00200	0.2000	0.000271	105	75 - 125	0.211	0.178	20	
Beryllium	0.207	mg/L	E200.8	0.0000318	0.00200	0.2000	0	103	75 - 125	0.206	0.196	20	
Cadmium	0.200	mg/L	E200.8	0.000226	0.000500	0.2000	0	99.9	75 - 125	0.2	0.193	20	
Chromium	0.197	mg/L	E200.8	0.000210	0.00200	0.2000	0	98.4	75 - 125	0.199	1.04	20	
Cobalt	0.193	mg/L	E200.8	0.0000336	0.00400	0.2000	0.00039	96.5	75 - 125	0.196	1.36	20	
Copper	0.195	mg/L	E200.8	0.000648	0.00200	0.2000	0	97.3	75 - 125	0.195	0.237	20	
Iron	1.02	mg/L	E200.8	0.0113	0.100	1.000	0.0345	99.0	75 - 125	1.03	0.699	20	
Lead	0.196	mg/L	E200.8	0.000308	0.00200	0.2000	0	98.1	75 - 125	0.197	0.520	20	
Manganese	0.358	mg/L	E200.8	0.000658	0.00200	0.2000	0.162	98.0	75 - 125	0.363	1.42	20	
Molybdenum	0.216	mg/L	E200.8	0.000692	0.00200	0.2000	0.00252	107	75 - 125	0.215	0.370	20	
Nickel	0.196	mg/L	E200.8	0.000932	0.00200	0.2000	0	98.2	75 - 125	0.197	0.182	20	
Selenium	0.199	mg/L	E200.8	0.000176	0.00200	0.2000	0.000318	99.6	75 - 125	0.202	1.45	20	
Silver	0.146	mg/L	E200.8	0.0000884	0.00200	0.2000	0	72.8	75 - 125	0.136	6.68	20	1
Thallium	0.193	mg/L	E200.8	0.000462	0.00200	0.2000	0	96.4	75 - 125	0.194	0.415	20	
Tin	1.05	mg/L	E200.8	0.000206	0.00200	1.000	0.00039	105	75 - 125	1.05	0.321	20	
Uranium	0.204	mg/L	E200.8	0.000440	0.00200	0.2000	0.00079	102	75 - 125	0.205	0.331	20	
Zinc	1.04	mg/L	E200.8	0.00304	0.00500	1.000	0	104	75 - 125	1.03	0.908	20	

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702208
Project: 1st Quarter Groundwater 2017

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:	**1702208-001EMSD**	Date Analyzed:	02/21/2017 1350h											
Test Code:	200.8-DIS	Date Prepared:	02/10/2017 1437h											
Zinc		1.00	mg/L	E200.8	0.00304	0.00500	1.000	0	100	75 - 125	0.994	0.929	20	
Lab Sample ID:	**1702208-001EMSD**	Date Analyzed:	02/16/2017 742h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	02/15/2017 1300h											
Mercury		0.00350	mg/L	E245.1	0.00000511	0.000150	0.003330	0.0000217	105	85 - 115	0.00318	9.73	20	

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

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702208
Project: 1st Quarter Groundwater 2017

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: 1702208-001CDUP Date Analyzed: 02/10/2017 1320h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	2,000	mg/L	SM2540C	15.7	20.0					1920	3.88	5	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702208
Project: 1st Quarter Groundwater 2017

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-R98716	Date Analyzed:	02/17/2017 1436h											
Test Code: 300.0-W													
Chloride	5.14	mg/L	E300.0	0.0127	0.100	5.000	0	103	90 - 110				
Fluoride	5.05	mg/L	E300.0	0.0174	0.100	5.000	0	101	90 - 110				
Sulfate	4.56	mg/L	E300.0	0.0327	0.750	5.000	0	91.3	90 - 110				
Lab Sample ID: LCS-R98858	Date Analyzed:	02/22/2017 2208h											
Test Code: 300.0-W													
Sulfate	4.76	mg/L	E300.0	0.0327	0.750	5.000	0	95.2	90 - 110				
Lab Sample ID: LCS-R98479	Date Analyzed:	02/13/2017 902h											
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	245	mg/L	SM2320B	0.470	1.00	250.0	0	98.0	90 - 110				
Lab Sample ID: LCS-47584	Date Analyzed:	02/16/2017 1605h											
Test Code: NH3-W-350.1	Date Prepared:	02/16/2017 1050h											
Ammonia (as N)	10.3	mg/L	E350.1	0.0330	0.0500	10.00	0	103	90 - 110				
Lab Sample ID: LCS-47792	Date Analyzed:	03/01/2017 1636h											
Test Code: NH3-W-350.1	Date Prepared:	03/01/2017 1340h											
Ammonia (as N)	9.56	mg/L	E350.1	0.0330	0.0500	10.00	0	95.6	90 - 110				
Lab Sample ID: LCS-R98478	Date Analyzed:	02/13/2017 908h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.01	mg/L	E353.2	0.00833	0.0100	1.000	0	101	90 - 110				
Lab Sample ID: LCS-R98511	Date Analyzed:	02/10/2017 1320h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	210	mg/L	SM2540C	7.87	10.0	205.0	0	102	80 - 120				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702208
Project: 1st Quarter Groundwater 2017

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-R98716 Date Analyzed: 02/17/2017 1419h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0127	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0174	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0327	0.750								
Lab Sample ID: MB-R98858 Date Analyzed: 02/22/2017 2151h													
Test Code: 300.0-W													
Sulfate	< 0.750	mg/L	E300.0	0.0327	0.750								
Lab Sample ID: MB-R98479 Date Analyzed: 02/13/2017 902h													
Test Code: ALK-W-2320B-LL													
Bicarbonate (as CaCO3)	< 1.00	mg/L	SM2320B	0.470	1.00								
Carbonate (as CaCO3)	< 1.00	mg/L	SM2320B	0.470	1.00								
Lab Sample ID: MB-47584 Date Analyzed: 02/16/2017 1605h													
Test Code: NH3-W-350.1 Date Prepared: 02/16/2017 1050h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0330	0.0500								
Lab Sample ID: MB-47792 Date Analyzed: 03/01/2017 1635h													
Test Code: NH3-W-350.1 Date Prepared: 03/01/2017 1340h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0330	0.0500								
Lab Sample ID: MB-R98478 Date Analyzed: 02/13/2017 907h													
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-R98511 Date Analyzed: 02/10/2017 1320h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	7.87	10.0								

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702208
Project: 1st Quarter Groundwater 2017

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: 1702208-001BMS Date Analyzed: 02/17/2017 1849h													
Test Code: 300.0-W													
Chloride	9,770	mg/L	E300.0	25.4	200	10,000	31.5	97.4	90 - 110				
Fluoride	9,600	mg/L	E300.0	34.8	200	10,000	1.02	96.0	90 - 110				
Sulfate	10,800	mg/L	E300.0	65.4	1,500	10,000	1050	97.2	90 - 110				
Lab Sample ID: 1702208-005BMS Date Analyzed: 02/17/2017 1940h													
Test Code: 300.0-W													
Chloride	9,940	mg/L	E300.0	25.4	200	10,000	66	98.8	90 - 110				
Fluoride	9,840	mg/L	E300.0	34.8	200	10,000	0.894	98.4	90 - 110				
Sulfate	11,900	mg/L	E300.0	65.4	1,500	10,000	2140	97.9	90 - 110				
Lab Sample ID: 1702208-006BMS Date Analyzed: 02/22/2017 2317h													
Test Code: 300.0-W													
Sulfate	2,270	mg/L	E300.0	6.54	150	1,000	1240	103	90 - 110				
Lab Sample ID: 1702208-001BMS Date Analyzed: 02/13/2017 902h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	350	mg/L	SM2320B	0.470	1.00	50.00	301	98.0	80 - 120				
Lab Sample ID: 1702073-006DMS Date Analyzed: 02/16/2017 1607h													
Test Code: NH3-W-350.1 Date Prepared: 02/16/2017 1050h													
Ammonia (as N)	13.7	mg/L	E350.1	0.0333	0.0505	10.10	0	135	90 - 110				'
Lab Sample ID: 1702208-001DMS Date Analyzed: 02/16/2017 1609h													
Test Code: NH3-W-350.1 Date Prepared: 02/16/2017 1050h													
Ammonia (as N)	14.5	mg/L	E350.1	0.0333	0.0505	10.10	0.739	137	90 - 110				'
Lab Sample ID: 1702208-004DMS Date Analyzed: 03/01/2017 1637h													
Test Code: NH3-W-350.1 Date Prepared: 03/01/2017 1340h													
Ammonia (as N)	11.6	mg/L	E350.1	0.0333	0.0505	10.10	0	115	90 - 110				'

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702208
Project: 1st Quarter Groundwater 2017

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: 1702208-006DMS Date Analyzed: 02/13/2017 923h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.6	mg/L	E353.2	0.0833	0.100	10.00	0	116	90 - 110				1
Lab Sample ID: 1702208-001DMS Date Analyzed: 02/13/2017 927h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.3	mg/L	E353.2	0.0833	0.100	10.00	0	113	90 - 110				1

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

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702208
Project: 1st Quarter Groundwater 2017

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: 1702208-001BMSD Date Analyzed: 02/17/2017 1906h													
Test Code: 300.0-W													
Chloride	9,900	mg/L	E300.0	25.4	200	10,000	31.5	98.7	90 - 110	9770	1.37	20	
Fluoride	9,810	mg/L	E300.0	34.8	200	10,000	1.02	98.0	90 - 110	9600	2.10	20	
Sulfate	10,800	mg/L	E300.0	65.4	1,500	10,000	1050	97.8	90 - 110	10800	0.529	20	
Lab Sample ID: 1702208-005BMSD Date Analyzed: 02/17/2017 1958h													
Test Code: 300.0-W													
Chloride	10,000	mg/L	E300.0	25.4	200	10,000	66	99.4	90 - 110	9940	0.592	20	
Fluoride	9,880	mg/L	E300.0	34.8	200	10,000	0.894	98.8	90 - 110	9840	0.351	20	
Sulfate	12,000	mg/L	E300.0	65.4	1,500	10,000	2140	98.9	90 - 110	11900	0.867	20	
Lab Sample ID: 1702208-006BMSD Date Analyzed: 02/22/2017 2334h													
Test Code: 300.0-W													
Sulfate	2,280	mg/L	E300.0	6.54	150	1,000	1240	104	90 - 110	2270	0.333	20	
Lab Sample ID: 1702208-001BMSD Date Analyzed: 02/13/2017 902h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	350	mg/L	SM2320B	0.470	1.00	50.00	301	98.0	80 - 120	350	0	10	
Lab Sample ID: 1702073-006DMSD Date Analyzed: 02/16/2017 1608h													
Test Code: NH3-W-350.1 Date Prepared: 02/16/2017 1050h													
Ammonia (as N)	13.8	mg/L	E350.1	0.0333	0.0505	10.10	0	137	90 - 110	13.7	1.18	10	'
Lab Sample ID: 1702208-001DMSD Date Analyzed: 02/16/2017 1610h													
Test Code: NH3-W-350.1 Date Prepared: 02/16/2017 1050h													
Ammonia (as N)	18.9	mg/L	E350.1	0.0333	0.0505	10.10	0.739	180	90 - 110	14.5	26.3	10	'@
Lab Sample ID: 1702208-004DMSD Date Analyzed: 03/01/2017 1638h													
Test Code: NH3-W-350.1 Date Prepared: 03/01/2017 1340h													
Ammonia (as N)	11.6	mg/L	E350.1	0.0333	0.0505	10.10	0	115	90 - 110	11.6	0.174	10	'

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702208
Project: 1st Quarter Groundwater 2017

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: 1702208-001DMSD Date Analyzed: 02/13/2017 915h 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	11.3	2.79	10	
Lab Sample ID: 1702208-006DMSD Date Analyzed: 02/13/2017 924h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.7	mg/L	E353.2	0.0833	0.100	10.00	0	117	90 - 110	11.6	0.343	10	'

@ - High RPD due to suspected sample non-homogeneity or matrix interference.
' - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702208
Project: 1st Quarter Groundwater 2017

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 021017A Date Analyzed: 02/10/2017 1533h													
Test Code: 8260-W-DEN100													
Benzene	19.8	µg/L	SW8260C	0.257	1.00	20.00	0	98.8	82 - 132				
Chloroform	20.6	µg/L	SW8260C	0.320	1.00	20.00	0	103	85 - 124				
Methylene chloride	18.5	µg/L	SW8260C	0.372	1.00	20.00	0	92.4	71 - 135				
Naphthalene	17.3	µg/L	SW8260C	0.479	1.00	20.00	0	86.6	63 - 129				
Tetrahydrofuran	15.3	µg/L	SW8260C	0.790	1.00	20.00	0	76.7	59 - 120				
Toluene	19.8	µg/L	SW8260C	0.248	1.00	20.00	0	99.1	78 - 130				
Xylenes, Total	61.5	µg/L	SW8260C	0.720	1.00	60.00	0	102	70 - 138				
Surr: 1,2-Dichloroethane-d4	54.1	µg/L	SW8260C			50.00		108	80 - 125				
Surr: 4-Bromofluorobenzene	49.6	µg/L	SW8260C			50.00		99.3	85 - 121				
Surr: Dibromofluoromethane	51.8	µg/L	SW8260C			50.00		104	77 - 118				
Surr: Toluene-d8	48.4	µg/L	SW8260C			50.00		96.7	81 - 123				
Lab Sample ID: LCS VOC-1 021317A Date Analyzed: 02/13/2017 1111h													
Test Code: 8260-W-DEN100													
Chloroform	21.0	µg/L	SW8260C	0.320	1.00	20.00	0	105	85 - 124				
Surr: 1,2-Dichloroethane-d4	57.4	µg/L	SW8260C			50.00		115	80 - 125				
Surr: 4-Bromofluorobenzene	50.6	µg/L	SW8260C			50.00		101	85 - 121				
Surr: Dibromofluoromethane	54.2	µg/L	SW8260C			50.00		108	77 - 118				
Surr: Toluene-d8	50.6	µg/L	SW8260C			50.00		101	81 - 123				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702208
Project: 1st Quarter Groundwater 2017

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 021017A Date Analyzed: 02/10/2017 1612h													
Test Code: 8260-W-DEN100													
2-Butanone	< 20.0	µg/L	SW8260C	1.05	20.0								
Acetone	< 20.0	µg/L	SW8260C	1.70	20.0								
Benzene	< 1.00	µg/L	SW8260C	0.257	1.00								
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.217	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.320	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.681	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.372	1.00								
Naphthalene	< 1.00	µg/L	SW8260C	0.479	1.00								
Tetrahydrofuran	< 1.00	µg/L	SW8260C	0.790	1.00								
Toluene	< 1.00	µg/L	SW8260C	0.248	1.00								
Xylenes, Total	< 1.00	µg/L	SW8260C	0.720	1.00								
Surr: 1,2-Dichloroethane-d4	54.3	µg/L	SW8260C			50.00		109	80 - 125				
Surr: 4-Bromofluorobenzene	50.4	µg/L	SW8260C			50.00		101	85 - 121				
Surr: Dibromofluoromethane	51.8	µg/L	SW8260C			50.00		104	77 - 118				
Surr: Toluene-d8	49.7	µg/L	SW8260C			50.00		99.4	81 - 123				
Lab Sample ID: MB VOC-1 021317A Date Analyzed: 02/13/2017 1150h													
Test Code: 8260-W-DEN100													
Chloroform	< 1.00	µg/L	SW8260C	0.320	1.00								
Surr: 1,2-Dichloroethane-d4	57.8	µg/L	SW8260C			50.00		116	80 - 125				
Surr: 4-Bromofluorobenzene	52.3	µg/L	SW8260C			50.00		105	85 - 121				
Surr: Dibromofluoromethane	54.6	µg/L	SW8260C			50.00		109	77 - 118				
Surr: Toluene-d8	51.0	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: 1702208
Project: 1st Quarter Groundwater 2017

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: 1702208-001AMS Date Analyzed: 02/10/2017 1930h													
Test Code: 8260-W-DEN100													
Benzene	19.3	µg/L	SW8260C	0.257	1.00	20.00	0	96.6	66 - 145				
Chloroform	20.8	µg/L	SW8260C	0.320	1.00	20.00	0	104	50 - 146				
Methylene chloride	18.3	µg/L	SW8260C	0.372	1.00	20.00	0	91.7	30 - 192				
Naphthalene	16.6	µg/L	SW8260C	0.479	1.00	20.00	0	83.2	41 - 131				
Tetrahydrofuran	16.6	µg/L	SW8260C	0.790	1.00	20.00	0	83.2	43 - 146				
Toluene	18.7	µg/L	SW8260C	0.248	1.00	20.00	0	93.6	18 - 192				
Xylenes, Total	58.5	µg/L	SW8260C	0.720	1.00	60.00	0	97.4	42 - 167				
Surr: 1,2-Dichloroethane-d4	56.6	µg/L	SW8260C			50.00		113	72 - 151				
Surr: 4-Bromofluorobenzene	49.1	µg/L	SW8260C			50.00		98.3	80 - 152				
Surr: Dibromofluoromethane	52.9	µg/L	SW8260C			50.00		106	70 - 130				
Surr: Toluene-d8	48.1	µg/L	SW8260C			50.00		96.2	60 - 115				
Lab Sample ID: 1702208-003AMS Date Analyzed: 02/13/2017 1229h													
Test Code: 8260-W-DEN100													
Chloroform	2,780	µg/L	SW8260C	16.0	50.0	1,000	1740	105	50 - 146				
Surr: 1,2-Dichloroethane-d4	2,820	µg/L	SW8260C			2,500		113	72 - 151				
Surr: 4-Bromofluorobenzene	2,430	µg/L	SW8260C			2,500		97.4	80 - 152				
Surr: Dibromofluoromethane	2,620	µg/L	SW8260C			2,500		105	70 - 130				
Surr: Toluene-d8	2,470	µg/L	SW8260C			2,500		98.9	60 - 115				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1702208
Project: 1st Quarter Groundwater 2017

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: 1702208-001AMSD Date Analyzed: 02/10/2017 1950h													
Test Code: 8260-W-DEN100													
Benzene	19.5	µg/L	SW8260C	0.257	1.00	20.00	0	97.6	66 - 145	19.3	1.13	25	
Chloroform	21.1	µg/L	SW8260C	0.320	1.00	20.00	0	105	50 - 146	20.8	1.34	25	
Methylene chloride	18.7	µg/L	SW8260C	0.372	1.00	20.00	0	93.6	30 - 192	18.3	2.11	25	
Naphthalene	17.2	µg/L	SW8260C	0.479	1.00	20.00	0	86.0	41 - 131	16.6	3.37	25	
Tetrahydrofuran	15.5	µg/L	SW8260C	0.790	1.00	20.00	0	77.6	43 - 146	16.6	6.97	25	
Toluene	19.5	µg/L	SW8260C	0.248	1.00	20.00	0	97.7	18 - 192	18.7	4.29	25	
Xylenes, Total	61.0	µg/L	SW8260C	0.720	1.00	60.00	0	102	42 - 167	58.5	4.20	25	
Surr: 1,2-Dichloroethane-d4	56.5	µg/L	SW8260C			50.00		113	72 - 151				
Surr: 4-Bromofluorobenzene	49.5	µg/L	SW8260C			50.00		99.1	80 - 152				
Surr: Dibromofluoromethane	53.0	µg/L	SW8260C			50.00		106	70 - 130				
Surr: Toluene-d8	49.2	µg/L	SW8260C			50.00		98.3	60 - 115				
Lab Sample ID: 1702208-003AMSD Date Analyzed: 02/13/2017 1249h													
Test Code: 8260-W-DEN100													
Chloroform	2,780	µg/L	SW8260C	16.0	50.0	1,000	1740	104	50 - 146	2780	0.198	25	
Surr: 1,2-Dichloroethane-d4	2,830	µg/L	SW8260C			2,500		113	72 - 151				
Surr: 4-Bromofluorobenzene	2,440	µg/L	SW8260C			2,500		97.8	80 - 152				
Surr: Dibromofluoromethane	2,660	µg/L	SW8260C			2,500		106	70 - 130				
Surr: Toluene-d8	2,460	µg/L	SW8260C			2,500		98.3	60 - 115				

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Rpt Emailed: UL Denison

WORK ORDER Summary

Work Order: **1702208**

Client: Energy Fuels Resources, Inc. Due Date: 2/24/2017

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **1st Quarter Groundwater 2017** **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. 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	
1702208-001A	**MW-11_02082017**	2/8/2017 1200h	2/10/2017 1045h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1702208-001B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1702208-001C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1702208-001D				**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				
1702208-001E				**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				
1702208-002A	**MW-25_02072017**	2/7/2017 1135h	2/10/2017 1045h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1702208-002B				**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: **1702208**

Client: Energy Fuels Resources, Inc. Due Date: 2/24/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1702208-002C	**MW-25_02072017**	2/7/2017 1135h	2/10/2017 1045h	**TDS-W-2540C**	Aqueous		ww - tds	1
				1 SEL Analytes: TDS				
1702208-002D				**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				
1702208-002E				**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				
1702208-003A	**MW-26_02092017**	2/9/2017 0945h	2/10/2017 1045h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1702208-003B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1702208-003C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1702208-003D				**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				
1702208-003E				**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: **1702208**

Client: Energy Fuels Resources, Inc. Due Date: 2/24/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1702208-003E	**MW-26_02092017**	2/9/2017 0945h	2/10/2017 1045h	**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				
1702208-004A	**MW-31_02072017**	2/7/2017 1335h	2/10/2017 1045h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1702208-004B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1702208-004C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1702208-004D				**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				
1702208-004E				**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				
1702208-005A	**MW-35_02072017**	2/7/2017 1400h	2/10/2017 1045h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1702208-005B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1702208-005C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				

WORK ORDER Summary

Work Order: **1702208**

Client: Energy Fuels Resources, Inc. Due Date: 2/24/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1702208-005D	**MW-35_02072017**	2/7/2017 1400h	2/10/2017 1045h	**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				
1702208-005E				**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				
1702208-006A	**MW-70_02082017**	2/8/2017 1200h	2/10/2017 1045h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1702208-006B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1702208-006C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1702208-006D				**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				
1702208-006E				**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: **1702208**

Client: Energy Fuels Resources, Inc. Due Date: 2/24/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1702208-006E	**MW-70_02082017**	2/8/2017 1200h	2/10/2017 1045h	**HG-DW-DIS-PR**	Aqueous		df-met	1
				IONBALANCE			df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1702208-007A	**Trip Blank**	2/7/2017	2/10/2017 1045h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1702208-008A	**MW-03A_02092017**	2/9/2017 0940h	2/10/2017 1045h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: SE				
				200.8-DIS-PR			DF-Dis Metals	
1702208-008B				**300.0-W**			DF-SO4	
				1 SEL Analytes: SO4				

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

1702208
AWAL Lab Sample Set #

Page 1 of 2

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: **1ST Quarter Groundwater 2017**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	Known Hazards & Sample Comments
1	MW-11_02082017	2/8/2017	1200	7	W	x	x	x	x	x	x	x	x	x	x	
2	MW-25_02072017	2/7/2017	1135	7	W	x	x	x	x	x	x	x	x	x	x	
3	MW-26_02092017	2/9/2017	945	7	W	x	x	x	x	x	x	x	x	x	x	
4	MW-31_02072017	2/7/2017	1335	7	W	x	x	x	x	x	x	x	x	x	x	
5	MW-35_02072017	2/7/2017	1400	7	W	x	x	x	x	x	x	x	x	x	x	
6	MW-70_02082017	2/8/2017	1200	7	W	x	x	x	x	x	x	x	x	x	x	
7	TRIP BLANK	2/7/2017		3	W										x	
8	TEMP BLANK	2/9/2017		1	W											
9																
10																
11																
12																

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
- ☐ NELAP
- ☐ RCRA
- ☐ CWA
- ☐ SDWA
- ☐ ELAP / A2LA
- ☐ NLLAP
- ☐ Non-Compliance
- ☐ Other:

Laboratory Use Only

Samples Were:
1 Shipped or hand delivered (UPS)
2 Ambient or Chilled
3 Temperature 2.9 °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

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:
Tanner Holliday	2/9/2017		
Print Name: TANNER HOLLIDAY	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date: 2/10/17
		Elaine Hyde	
Print Name:	Time:	Print Name: Elaine Hyde	Time: 1045
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

American West
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CHAIN OF CUSTODY

1702208
AWAL Lab Sample Set #

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: **1ST QUARTER GROUND WATER 2017**
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)	Cl (4500 or 300.0)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Dissolved Thallium (200.7/200.8)	SO_4 (4500 or 300.0)	Fl (4500 or 300.0)					Known Hazards & Sample Comments
1																			
2	MW-03A_02092017	2/9/2017	940	2	W						X		X						
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			

Laboratory Use Only

Samples Were: (Shipped or hand delivered) UPS
Ambient or Chilled
Temperature 2.9 °C
Received Broken/Leaking (Improperly Sealed) Y (N)
Properly Preserved (Y) N
Checked at bench Y N
Received Within Holding Times (Y) N
Present on Outer Package (Y) N NA
Unbroken on Outer Package (Y) N NA
Present on Sample Y N (NA)
Unbroken on Sample Y N (NA)
Discrepancies Between Sample Labels and COC Record? Y (N)

Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name: TANNER HOLLIDAY	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date: 2/10/17
Print Name:	Time:	Print Name: Elmer Hall	Time: 1045
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

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

-RW 6/5/13

Table 3 – GEL Groundwater, Tailings Impoundment, and Seeps and Springs Sampling

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
Heavy Metals					
Arsenic	E200.7 or E200.8	5 µg/L	6 months	HNO_3 to pH<2	None
Beryllium	E200.7 or E200.8	0.50 µg/L	6 months	HNO_3 to pH<2	None
Cadmium	E200.7 or E200.8	0.50 µg/L	6 months	HNO_3 to pH<2	None
Chromium	E200.7 or E200.8	25 µg/L	6 months	HNO_3 to pH<2	None
Cobalt	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Copper	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Iron	E200.7 or E200.8	30 µg/L	6 months	HNO_3 to pH<2	None
Lead	E200.7 or E200.8	1.0 µg/L **-RW 3/27/13	6 months	HNO_3 to pH<2	None
Manganese	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Mercury	E 245.1 or E200.7 or E200.8	0.50 µg/L	28 days	HNO_3 to pH<2	None
Molybdenum	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Nickel	E200.7 or E200.8	20 µg/L	6 months	HNO_3 to pH<2	None
Selenium	E200.7 or E200.8	5 µg/L	6 months	HNO_3 to pH<2	None
Silver	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Thallium	E200.7 or E200.8	0.50 µg/L	6 months	HNO_3 to pH<2	None
Tin	E200.7 or E200.8	100 µg/L	6 months	HNO_3 to pH<2	None
Uranium	E200.7 or E200.8	0.30 µg/L	6 months	HNO_3 to pH<2	None
Vanadium	E200.7 or E200.8	15 µg/L	6 months	HNO_3 to pH<2	None
Zinc	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Sodium	E200.7	0.5 mg/L	6 months	HNO_3 to pH<2	None
Potassium	E200.7	0.5 mg/L	6 months	HNO_3 to pH<2	None
Magnesium	E200.7	0.5 mg/L	6 months	HNO_3 to pH<2	None
Calcium	E200.7	0.5 mg/L	6 months	HNO_3 to pH<2	None
Radiologics					
~~Gross Alpha~~	~~E 900.0 or E900.1~~	~~1.0 pCi/L~~	~~6 months~~	~~HNO_3 to pH<2~~	~~None~~ -RW 2/27/2013

Table 4 Fee Schedule

Analyte/ Group	Cost per Sample
Full Suite Metals	
Partial Suite Metals (cost per individual metal)	
Gross alpha	

** - per email from Kathy Weinel 3/27/13 -RW

Run ION BALANCE when the full metals suite has been requested, per email from Kathy Weinel 3/27/13

Ion Balance to include:
- Total Anions, Measured
- Total Cations, Measured
- TDS Ratio, Measured/Calculated
- TDS, Calculated

-RW 3/27/13

Lab Set ID: 1702208

pH Lot #: 5000

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	8											
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	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.

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

March 02, 2017

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 415726

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 06, 2017. 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

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 415726

March 02, 2017

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary:

Sample receipt: The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on February 06, 2017 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
415726001	MW-36_01242017
415726002	MW-14_02022017
415726003	MW-30_02022017
415726004	MW-65_02022017

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

DNMI

415726

Sheet 1 of 1

ENERGY FUELS RESOURCES

CHAIN OF CUSTODY

Samples Shipped to: ACZ Laboratories, Inc.
2773 Downhill Drive
Steamboat Springs, CO 80487

Contact: David Turk
Ph: 435 678 4113
dturk@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
1st Quarter Ground Water 2017	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-36_01242017	1/24/2017	1340	Gross Alpha
MW-14_02022017	2/2/2017	1045	Gross Alpha
MW-30_02022017	2/2/2017	1120	Gross Alpha
MW-65_02022017	2/2/2017	1045	Gross Alpha

Comments: Contact Kathy Weinel at kweinel@energyfuels.com for all questions and results.

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	2/2/2017 1200	Kathy Weinel	2/6/17 915
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL | Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNM1			**SDG/AR/COC/Work Order:** 415726
Received By: AG			**Date Received:** 2/16/17
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
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): E409202493 2
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 1295697978

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JR Date 2/16/17 Page 1 of 1

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 415726 **1st Quarter Ground Water 2017**
Client SDG: 415726
Project Manager: Julie Robinson
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 06-MAR-17
Package Due Date: 04-MAR-17
EDD Due Date: 06-MAR-17
Due Date: 06-MAR-17
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
415726001	MW-36_01242017		24-JAN-17 13:40	06-FEB-17 09:15	-2	1	GROUND WATER		20		1		
415726002	MW-14_02022017		02-FEB-17 10:45	06-FEB-17 09:15	-2	1	GROUND WATER		20		1		
415726003	MW-30_02022017		02-FEB-17 11:20	06-FEB-17 09:15	-2	1	GROUND WATER		20		1		
415726004	MW-65_02022017		02-FEB-17 10:45	06-FEB-17 09:15	-2	1	GROUND WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data	Receive Codes
-001 MW-36_01242017	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-002 MW-14_02022017	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-003 MW-30_02022017	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-004 MW-65_02022017	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**
Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001, 002, 003, 004
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

GEL Laboratories LLC – Login Review Report

Report Date: 02-MAR-17
Work Order: 415726

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 #: 415726

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1637517

Sample ID	Client ID
415726001	MW-36_01242017
415726002	MW-14_02022017
415726003	MW-30_02022017
415726004	MW-65_02022017
1203723766	Method Blank (MB)
1203723770	Laboratory Control Sample (LCS)
1203723767	415726002(MW-14_02022017) Sample Duplicate (DUP)
1203723768	415726002(MW-14_02022017) Matrix Spike (MS)
1203723769	415726002(MW-14_02022017) 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: 415726002 (MW-14_02022017).

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, 1203723768 (MW-14_02022017MS) and 1203723769 (MW-14_02022017MSD), 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: 415726 GEL Work Order: 415726

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: **Name: Kate Gellatly**

Date: 02 MAR 2017 **Title: Analyst I**

GEL LABORATORIES LLC

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

QC Summary

Report Date: March 2, 2017

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

Contact: **Ms. Kathy Weinel**

Workorder: **415726**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1637517										
QC1203723767 415726002 DUP										
Gross Radium Alpha	U	0.549		1.28	pCi/L	79.6		(0% - 100%)	AXM6	02/11/17 15:2
	Uncertainty	+/-0.237		+/-0.371						
QC1203723770 LCS										
Gross Radium Alpha	412			412	pCi/L		99.9	(75%-125%)		02/11/17 15:2
	Uncertainty			+/-6.26						
QC1203723766 MB										
Gross Radium Alpha			U	0.321	pCi/L					02/11/17 15:2
	Uncertainty			+/-0.243						
QC1203723768 415726002 MS										
Gross Radium Alpha	1660 U	0.549		1580	pCi/L		95.3	(75%-125%)		02/11/17 15:2
	Uncertainty	+/-0.237		+/-23.5						
QC1203723769 415726002 MSD										
Gross Radium Alpha	1660 U	0.549		1880	pCi/L	17.4	113	(0%-20%)		02/11/17 15:2
	Uncertainty	+/-0.237		+/-26.9						

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

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

QC Summary

Workorder: 415726

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

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

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

March 10, 2017

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 416220

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 13, 2017. 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

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 416220

March 10, 2017

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary:

Sample receipt: The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on February 13, 2017 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
416220001	MW-11_02082017
416220002	MW-25_02072017
416220003	MW-26_02092017
416220004	MW-31_02072017
416220005	MW-35_02072017
416220006	MW-70_02082017

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

H16226

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
1st Quarter Ground Water 2017	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-11_02082017	2/8/2017	1200	Gross Alpha
MW-25_02072017	2/7/2017	1135	Gross Alpha
MW-26_02092017	2/9/2017	945	Gross Alpha
MW-31_02072017	2/7/2017	1335	Gross Alpha
MW-35_02072017	2/7/2017	1400	Gross Alpha
MW-70_02082017	2/8/2017	1200	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	2/9/2017 1230	Ashley Gardner	2/13/17 9:25
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	**SDG/AR/COC/Work Order:** 416220
Received By: AG	**Date Received:** 2/13/17

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 19°C
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): IR2-17
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 12 9075 4549

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JR Date 2-13-17 Page 1 of 1

GL-CHL-SR-001 Rev 3

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 416220 1st Quarter Ground Water 2017
Client SDG: 416220
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: 13-MAR-17
Package Due Date: 11-MAR-17
EDD Due Date: 13-MAR-17
Due Date: 13-MAR-17
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
416220001	MW-11_02082017		08-FEB-17 12:00	13-FEB-17 09:25	-2	1	GROUND WATER		20		1		
416220002	MW-25_02072017		07-FEB-17 11:35	13-FEB-17 09:25	-2	1	GROUND WATER		20		1		
416220003	MW-26_02092017		09-FEB-17 09:45	13-FEB-17 09:25	-2	1	GROUND WATER		20		1		
416220004	MW-31_02072017		07-FEB-17 13:35	13-FEB-17 09:25	-2	1	GROUND WATER		20		1		
416220005	MW-35_02072017		07-FEB-17 14:00	13-FEB-17 09:25	-2	1	GROUND WATER		20		1		
416220006	MW-70_02082017		08-FEB-17 12:00	13-FEB-17 09:25	-2	1	GROUND WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data	Receive Codes
-001 MW-11_02082017	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-002 MW-25_02072017	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-003 MW-26_02092017	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-004 MW-31_02072017	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-005 MW-35_02072017	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-006 MW-70_02082017	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**
Method: EPA 900.1 Modified
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

GEL Laboratories LLC – Login Review Report

	Action	Product Name	Description	Samples
Contingent Tests				

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 416220

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1642079

Sample ID	Client ID
416220001	MW-11_02082017
416220002	MW-25_02072017
416220003	MW-26_02092017
416220004	MW-31_02072017
416220005	MW-35_02072017
416220006	MW-70_02082017
1203734620	Method Blank (MB)
1203734624	Laboratory Control Sample (LCS)
1203734621	416220004(MW-31_02072017) Sample Duplicate (DUP)
1203734622	416220004(MW-31_02072017) Matrix Spike (MS)
1203734623	416220004(MW-31_02072017) 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, 1203734621 (MW-31_02072017DUP) and 416220004 (MW-31_02072017) , did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with a value of 2.21. The matrix spike and matrix spike duplicate, 1203734622 (MW-31_02072017MS) and 1203734623 (MW-31_02072017MSD) , did not meet the relative percent difference requirement; however, they do meet the recovery requirement.

Designated QC
The following sample was used for QC: 416220004 (MW-31_02072017).

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Recounts
None of the samples in this sample set were recounted.

Miscellaneous Information:

Data Exception (DER) Documentation
Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Sample-Specific MDA/MDC
The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments
The matrix spike and matrix spike duplicate, 1203734622 (MW-31_02072017MS) and 1203734623 (MW-31_02072017MSD), 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: 416220 GEL Work Order: 416220

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: 09 MAR 2017 **Title: Group Leader**

GEL LABORATORIES LLC

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

QC Summary

Report Date: March 8, 2017

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

Contact: **Ms. Kathy Weinel**

Workorder: **416220**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1642079										
QC1203734621 416220004 DUP										
Gross Radium Alpha		1.49	U	0.284	pCi/L	136*		(0% - 100%)	AXM6	03/06/17 16:5
	Uncertainty	+/-0.456		+/-0.271						
QC1203734624 LCS										
Gross Radium Alpha	412			367	pCi/L		88.9	(75%-125%)		03/06/17 16:5
	Uncertainty			+/-6.36						
QC1203734620 MB										
Gross Radium Alpha			U	-0.308	pCi/L					03/06/17 16:5
	Uncertainty			+/-0.212						
QC1203734622 416220004 MS										
Gross Radium Alpha	1670	1.49		1420	pCi/L		84.8	(75%-125%)		03/06/17 16:5
	Uncertainty	+/-0.456		+/-23.9						
QC1203734623 416220004 MSD										
Gross Radium Alpha	1670	1.49		1780	pCi/L	22.7*	107	(0%-20%)		03/06/17 16:5
	Uncertainty	+/-0.456		+/-29.8						

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

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

QC Summary

Workorder: 416220

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

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

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
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gel.com

April 05, 2017

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 418259

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on March 10, 2017. 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: 418259

April 05, 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 March 10, 2017 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
418259001	MW-37_03072017

Case Narrative:

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Radiochemistry.

Julie Robinson

Julie Robinson
Project Manager

Sheet 1 of 1

418259

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
1st Quarter GW 2017	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-37_03072017	3/7/2017	845	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
TANNER HOLLIDAY Tanner Holliday	3/9/2017 1100		3/10/17 9:30
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL | Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	SDG/AR/COC/Work Order: 418260 / 418259
Received By: A.K.	Date Received: 3-10-11
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground (UPS) Field Services Courier Other 1Z 187 Y4Y 01 9610 7294

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
COC/Samples marked as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) / mR/Hr Classified as: Rad 1 Rad 2 Rad 3
Is package, COC, and/or Samples marked HAZ?		✓	If yes, select Hazards below, and contact the GEL Safety Group. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:

	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	Chain of custody documents included with shipment?	✓			
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		✓		Preservation Method: Wet Ice Ice Packs Dry ice (None) Other: *all temperatures are recorded in Celsius TEMP: 16°C
4	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: IR3-16 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	✓	-		Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?			✓	If Yes, Are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do VOA vials contain acid preservation? Yes___ No___ (If unknown, select No) VOA vials free of headspace? Yes___ No___ Sample ID's and containers affected:
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
10	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
11	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
12	Are sample containers identifiable as GEL provided?	✓			
13	COC form is properly signed in relinquished/received sections?	✓			

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JR Date 3/10/11 Page 1 of 1

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 418259 1st Quarter Ground Water 2017
Client SDG: 418259
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-APR-17
Package Due Date: 05-APR-17
EDD Due Date: 07-APR-17
Due Date: 07-APR-17
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
418259001	MW-37_03072017		07-MAR-17 08:45	10-MAR-17 09:30	-2	1	GROUND WATER		20		1		

	Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data	Receive Codes
-001	MW-37_03072017	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**
Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001
Parmname Check: All parmnames scheduled properly
Path: Standard
Product Reference: Gross Alpha
Moisture Correction: "As Received"

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

Contingent Tests

Action	Product Name	Description	Samples

Login Requirements:

Requirement	Include?	Comments

GEL Laboratories LLC – Login Review Report

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 418259

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1648995

Sample ID	Client ID
418259001	MW-37_03072017
1203750962	Method Blank (MB)
1203750966	Laboratory Control Sample (LCS)
1203750963	418259001(MW-37_03072017) Sample Duplicate (DUP)
1203750964	418259001(MW-37_03072017) Matrix Spike (MS)
1203750965	418259001(MW-37_03072017) 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# 16.

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: 418259001 (MW-37_03072017).

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Recounts
None of the samples in this sample set were recounted.

Miscellaneous Information:

Data Exception (DER) Documentation
Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Sample-Specific MDA/MDC
The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments
The matrix spike and matrix spike duplicate, 1203750964 (MW-37_03072017MS) and 1203750965 (MW-37_03072017MSD), 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: 418259 GEL Work Order: 418259

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: **Name: Kate Gellatly**

Date: 05 APR 2017 **Title: Analyst I**

GEL LABORATORIES LLC

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

QC Summary

Report Date: April 5, 2017

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

Contact: **Ms. Kathy Weinel**

Workorder: **418259**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1648995										
QC1203750963 418259001 DUP										
Gross Radium Alpha	U	0.626		1.21	pCi/L	63.3		(0% - 100%)	AXM6	03/28/17 12:1
	Uncertainty	+/-0.314		+/-0.373						
QC1203750966 LCS										
Gross Radium Alpha	412			412	pCi/L		100	(75%-125%)		03/28/17 12:1
	Uncertainty			+/-7.52						
QC1203750962 MB										
Gross Radium Alpha			U	0.123	pCi/L					03/28/17 12:1
	Uncertainty			+/-0.265						
QC1203750964 418259001 MS										
Gross Radium Alpha	1670 U	0.626		1360	pCi/L		81.8	(75%-125%)		03/28/17 12:1
	Uncertainty	+/-0.314		+/-24.0						
QC1203750965 418259001 MSD										
Gross Radium Alpha	1670 U	0.626		1630	pCi/L	17.7	97.7	(0%-20%)		03/28/17 12:1
	Uncertainty	+/-0.314		+/-29.3						

Notes:

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

The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD

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

QC Summary

Workorder: 418259

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

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
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab F

Laboratory Analytical Reports – Accelerated Monitoring

Tab F1

Laboratory Analytical Reports – Accelerated Monitoring

January 2017

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Ground Water 2017
Lab Sample ID: 1701323-001
Client Sample ID: MW-11_01182017
Collection Date: 1/18/2017 1220h
Received Date: 1/20/2017 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	1/20/2017 1308h	1/23/2017 726h	E200.8	0.0100	**0.152**	

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

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Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Ground Water 2017
Lab Sample ID: 1701323-002
Client Sample ID: MW-25_01172017
Collection Date: 1/17/2017 1220h
Received Date: 1/20/2017 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	1/20/2017 1308h	1/23/2017 751h	E200.8	0.000500	**0.00142**	
Uranium	mg/L	1/20/2017 1308h	1/23/2017 751h	E200.8	0.00200	**0.00654**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Ground Water 2017
Lab Sample ID: 1701323-003
Client Sample ID: MW-26_01192017
Collection Date: 1/19/2017 1035h
Received Date: 1/20/2017 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	1/20/2017 1308h	1/23/2017 754h	E200.8	0.00200	**0.0590**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Ground Water 2017
Lab Sample ID: 1701323-003
Client Sample ID: MW-26_01192017
Collection Date: 1/19/2017 1035h
Received Date: 1/20/2017 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		1/25/2017 1513h	E300.0	10.0	**60.7**	
Nitrate/Nitrite (as N)	mg/L		1/20/2017 1719h	E353.2	0.100	**0.875**	

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Ground Water 2017
Lab Sample ID: 1701323-003D
Client Sample ID: MW-26_01192017
Collection Date: 1/19/2017 1035h
Received Date: 1/20/2017 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 1/20/2017 1409h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**1,380**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,620	2,500	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,570	2,500	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	2,550	2,500	102	70-130	
Surr: Toluene-d8	2037-26-5	2,470	2,500	98.9	60-115	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 1/20/2017 1335h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Methylene chloride	75-09-2	1.00	**3.65**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.7	50.00	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.4	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.3	50.00	103	70-130	
Surr: Toluene-d8	2037-26-5	50.3	50.00	101	60-115	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Ground Water 2017
Lab Sample ID: 1701323-004
Client Sample ID: MW-30_01182017
Collection Date: 1/18/2017 1120h
Received Date: 1/20/2017 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	1/20/2017 1308h	1/23/2017 757h	E200.8	0.00500	**0.0430**	
Uranium	mg/L	1/20/2017 1308h	1/23/2017 757h	E200.8	0.00200	**0.00801**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Ground Water 2017
Lab Sample ID: 1701323-004
Client Sample ID: MW-30_01182017
Collection Date: 1/18/2017 1120h
Received Date: 1/20/2017 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		1/25/2017 1547h	E300.0	20.0	**150**	
Fluoride	mg/L		1/25/2017 1530h	E300.0	0.100	**0.373**	
Nitrate/Nitrite (as N)	mg/L		1/20/2017 1725h	E353.2	0.100	**19.0**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Ground Water 2017
Lab Sample ID: 1701323-005
Client Sample ID: MW-31_01172017
Collection Date: 1/17/2017 1415h
Received Date: 1/20/2017 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	1/20/2017 1308h	1/23/2017 800h	E200.8	0.00500	**0.0827**	
Uranium	mg/L	1/20/2017 1308h	1/23/2017 800h	E200.8	0.00200	**0.00903**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Ground Water 2017
Lab Sample ID: 1701323-005
Client Sample ID: MW-31_01172017
Collection Date: 1/17/2017 1415h
Received Date: 1/20/2017 1035h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		1/25/2017 1604h	E300.0	100	**287**	
Nitrate/Nitrite (as N)	mg/L		1/20/2017 1733h	E353.2	0.200	**20.9**	
Sulfate	mg/L		1/25/2017 1604h	E300.0	100	**809**	
Total Dissolved Solids	mg/L		1/23/2017 1430h	SM2540C	20.0	**1,730**	

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Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Ground Water 2017
Lab Sample ID: 1701323-006
Client Sample ID: MW-35_01182017
Collection Date: 1/18/2017 1315h
Received Date: 1/20/2017 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	1/20/2017 1308h	1/23/2017 803h	E200.8	0.0100	**0.216**	
Selenium	mg/L	1/20/2017 1308h	1/23/2017 803h	E200.8	0.00500	**0.00893**	
Uranium	mg/L	1/20/2017 1308h	1/23/2017 803h	E200.8	0.00200	**0.0212**	

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Kyle F. Gross
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Jose Rocha
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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: February 15, 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_01182017	Project:	DNMI00100
Sample ID:	414799001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	18-JAN-17 13:15		
Receive Date:	23-JAN-17		
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		3.81	+/-0.464	0.747	1.00	pCi/L			AXM6	02/11/17	1527	1637517	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			92.6	(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: January Ground Water 2017
Lab Sample ID: 1701323-007
Client Sample ID: MW-65_01182017
Collection Date: 1/18/2017 1315h
Received Date: 1/20/2017 1035h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	1/20/2017 1308h	1/23/2017 806h	E200.8	0.0100	**0.218**	
Selenium	mg/L	1/20/2017 1308h	1/23/2017 806h	E200.8	0.00500	**0.00978**	
Uranium	mg/L	1/20/2017 1308h	1/23/2017 806h	E200.8	0.00200	**0.0217**	

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Kyle F. Gross
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Jose Rocha
QA Officer

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

Certificate of Analysis

Report Date: February 15, 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-65_01182017	Project:	DNMI00100
Sample ID:	414799002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	18-JAN-17 13:15		
Receive Date:	23-JAN-17		
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		4.98	+/-0.587	0.987	1.00	pCi/L			AXM6	02/11/17	1527	1637517	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

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Ground Water 2017
Lab Sample ID: 1701323-008A
Client Sample ID: Trip Blank
Collection Date: 1/19/2017
Received Date: 1/20/2017 1035h

Test Code: 8260-W-DEN100

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

Analyzed: 1/20/2017 1316h
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	54.0	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.8	50.00	108	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.6	50.00	103	70-130	
Surr: Toluene-d8	2037-26-5	51.0	50.00	102	60-115	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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Jose Rocha
QA Officer

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (303) 389-4134

RE: January Ground Water 2017

Dear Garrin Palmer: Lab Set ID: 1701323

American West Analytical Laboratories received sample(s) on 1/20/2017 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: 2017.02.01 11:29:55 -07'00'

Laboratory Director or designee

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Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	January Ground Water 2017
Lab Set ID:	1701323

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	1/20/2017
Dates of Collection:	1/17-1/19/2017
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.

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Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	January Ground Water 2017
Lab Set ID:	1701323

Sample Receipt Information:

Date of Receipt:	1/20/2017
Dates of Collection:	1/17-1/19/2017
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Multiple target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Ground Water 2017
Lab Set ID: 1701323
Date Received: 1/20/2017 1035h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1701323-001A	MW-11_01182017	1/18/2017	1220h	Aqueous	ICPMS Metals, Dissolved
1701323-002A	MW-25_01172017	1/17/2017	1220h	Aqueous	ICPMS Metals, Dissolved
1701323-003A	MW-26_01192017	1/19/2017	1035h	Aqueous	ICPMS Metals, Dissolved
1701323-003B	MW-26_01192017	1/19/2017	1035h	Aqueous	Nitrite/Nitrate (as N), E353.2
1701323-003C	MW-26_01192017	1/19/2017	1035h	Aqueous	Anions, E300.0
1701323-003D	MW-26_01192017	1/19/2017	1035h	Aqueous	VOA by GC/MS Method 8260C/5030C
1701323-004A	MW-30_01182017	1/18/2017	1120h	Aqueous	ICPMS Metals, Dissolved
1701323-004B	MW-30_01182017	1/18/2017	1120h	Aqueous	Nitrite/Nitrate (as N), E353.2
1701323-004C	MW-30_01182017	1/18/2017	1120h	Aqueous	Anions, E300.0
1701323-005A	MW-31_01172017	1/17/2017	1415h	Aqueous	ICPMS Metals, Dissolved
1701323-005B	MW-31_01172017	1/17/2017	1415h	Aqueous	Nitrite/Nitrate (as N), E353.2
1701323-005C	MW-31_01172017	1/17/2017	1415h	Aqueous	Anions, E300.0
1701323-005D	MW-31_01172017	1/17/2017	1415h	Aqueous	Total Dissolved Solids, A2540C
1701323-006A	MW-35_01182017	1/18/2017	1315h	Aqueous	ICPMS Metals, Dissolved
1701323-007A	MW-65_01182017	1/18/2017	1315h	Aqueous	ICPMS Metals, Dissolved
1701323-008A	Trip Blank	1/19/2017		Aqueous	VOA by GC/MS Method 8260C/5030C

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701323
Project: January Ground Water 2017

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-47119	Date Analyzed:	01/23/2017 710h											
Test Code: 200.8-DIS	Date Prepared:	01/20/2017 1133h											
Cadmium	0.196	mg/L	E200.8	0.0000666	0.000500	0.2000	0	98.1	85 - 115				
Manganese	0.202	mg/L	E200.8	0.000560	0.00200	0.2000	0	101	85 - 115				
Selenium	0.196	mg/L	E200.8	0.000310	0.00200	0.2000	0	98.0	85 - 115				
Uranium	0.199	mg/L	E200.8	0.0000710	0.00200	0.2000	0	99.7	85 - 115				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701323
Project: January Ground Water 2017

Contact: Garrin Palmer
Dept: ME
QC Type: LCSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCSD-47119	Date Analyzed:	01/23/2017 713h											
Test Code: 200.8-DIS	Date Prepared:	01/20/2017 1133h											
Cadmium	0.198	mg/L	E200.8	0.0000666	0.000500	0.2000	0	98.9	85 - 115	0.196	0.821	20	
Manganese	0.201	mg/L	E200.8	0.000560	0.00200	0.2000	0	101	85 - 115	0.202	0.102	20	
Selenium	0.198	mg/L	E200.8	0.000310	0.00200	0.2000	0	99.0	85 - 115	0.196	0.953	20	
Uranium	0.201	mg/L	E200.8	0.0000710	0.00200	0.2000	0	101	85 - 115	0.199	1.01	20	

Insufficient sample mass/volume was received to perform MS/MSD analysis. An LCSD was added to provide precision data.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701323
Project: January Ground Water 2017

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-47119	Date Analyzed:	01/23/2017 707h											
Test Code: 200.8-DIS	Date Prepared:	01/20/2017 1133h											
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								
Uranium	< 0.00200	mg/L	E200.8	0.0000710	0.00200								

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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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701323
Project: January Ground Water 2017

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: 1701323-001AMS	Date Analyzed:	01/23/2017 735h											
Test Code: 200.8-DIS	Date Prepared:	01/20/2017 1308h											
Cadmium	0.192	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000701	96.1	75 - 125				
Manganese	0.344	mg/L	E200.8	0.000560	0.00200	0.2000	0.152	96.0	75 - 125				
Selenium	0.195	mg/L	E200.8	0.000310	0.00200	0.2000	0	97.6	75 - 125				
Uranium	0.196	mg/L	E200.8	0.0000710	0.00200	0.2000	0.000736	97.9	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: 1701323
Project: January Ground Water 2017

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: 1701323-001AMSD	Date Analyzed:	01/23/2017 748h											
Test Code: 200.8-DIS	Date Prepared:	01/20/2017 1308h											
Cadmium	0.194	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000701	96.7	75 - 125	0.192	0.633	20	
Manganese	0.346	mg/L	E200.8	0.000560	0.00200	0.2000	0.152	97.0	75 - 125	0.344	0.530	20	
Selenium	0.193	mg/L	E200.8	0.000310	0.00200	0.2000	0	96.7	75 - 125	0.195	0.896	20	
Uranium	0.197	mg/L	E200.8	0.0000710	0.00200	0.2000	0.000736	98.1	75 - 125	0.196	0.255	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: 1701323
Project: January Ground Water 2017

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: 1701323-005DDUP Date Analyzed: 01/23/2017 1430h Test Code: TDS-W-2540C													
Total Dissolved Solids	1,740	mg/L	SM2540C	17.5	20.0					1730	0.231	5	

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701323
Project: January Ground Water 2017

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-R97958 Date Analyzed: 01/25/2017 1151h													
Test Code: 300.0-W													
Chloride	5.11	mg/L	E300.0	0.00516	0.100	5.000	0	102	90 - 110				
Fluoride	4.96	mg/L	E300.0	0.0139	0.100	5.000	0	99.3	90 - 110				
Sulfate	5.09	mg/L	E300.0	0.0201	0.750	5.000	0	102	90 - 110				
Lab Sample ID: LCS-R97816 Date Analyzed: 01/20/2017 1718h													
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-R97898 Date Analyzed: 01/23/2017 1430h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	190	mg/L	SM2540C	8.77	10.0	205.0	0	92.7	80 - 120				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701323
Project: January Ground Water 2017

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-R97958 Date Analyzed: 01/25/2017 1135h													
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-R97816 Date Analyzed: 01/20/2017 1715h													
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-R97898 Date Analyzed: 01/23/2017 1430h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								

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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701323
Project: January Ground Water 2017

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: 1701323-005CMS Date Analyzed: 01/25/2017 1621h													
Test Code: 300.0-W													
Chloride	1,300	mg/L	E300.0	1.03	20.0	1,000	287	102	90 - 110				
Sulfate	1,830	mg/L	E300.0	4.02	150	1,000	809	102	90 - 110				
Lab Sample ID: 1701323-003BMS Date Analyzed: 01/20/2017 1722h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.3	mg/L	E353.2	0.0833	0.100	10.00	0.875	104	90 - 110				

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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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701323
Project: January Ground Water 2017

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: 1701323-005CMSD Date Analyzed: 01/25/2017 1638h													
Test Code: 300.0-W													
Chloride	1,310	mg/L	E300.0	1.03	20.0	1,000	287	102	90 - 110	1300	0.362	20	
Sulfate	1,830	mg/L	E300.0	4.02	150	1,000	809	102	90 - 110	1830	0.168	20	
Lab Sample ID: 1701323-003BMSD Date Analyzed: 01/20/2017 1724h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.9	mg/L	E353.2	0.0833	0.100	10.00	0.875	110	90 - 110	11.3	5.19	10	

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701323
Project: January Ground Water 2017

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 012017A Date Analyzed: 01/20/2017 1138h													
Test Code: 8260-W-DEN100													
Chloroform	20.6	µg/L	SW8260C	0.153	1.00	20.00	0	103	85 - 124				
Methylene chloride	20.3	µg/L	SW8260C	0.172	1.00	20.00	0	102	71 - 135				
Surr: 1,2-Dichloroethane-d4	52.1	µg/L	SW8260C			50.00		104	80 - 125				
Surr: 4-Bromofluorobenzene	50.2	µg/L	SW8260C			50.00		100	85 - 121				
Surr: Dibromofluoromethane	51.2	µg/L	SW8260C			50.00		102	77 - 118				
Surr: Toluene-d8	49.2	µg/L	SW8260C			50.00		98.3	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701323
Project: January Ground Water 2017

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 012017A Date Analyzed: 01/20/2017 1217h													
Test Code: 8260-W-DEN100													
Chloroform	< 1.00	µg/L	SW8260C	0.153	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.172	1.00								
Surr: 1,2-Dichloroethane-d4	53.2	µg/L	SW8260C			50.00		106	80 - 125				
Surr: 4-Bromofluorobenzene	50.8	µg/L	SW8260C			50.00		102	85 - 121				
Surr: Dibromofluoromethane	50.5	µg/L	SW8260C			50.00		101	77 - 118				
Surr: Toluene-d8	49.4	µg/L	SW8260C			50.00		98.7	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701323
Project: January Ground Water 2017

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: 1701323-003DMS Date Analyzed: 01/20/2017 1429h Test Code: 8260-W-DEN100													
Chloroform	2,470	µg/L	SW8260C	7.65	50.0	1,000	1390	109	50 - 146				
Methylene chloride	1,060	µg/L	SW8260C	8.60	50.0	1,000	0	106	30 - 192				
Surr: 1,2-Dichloroethane-d4	2,660	µg/L	SW8260C			2,500		106	72 - 151				
Surr: 4-Bromofluorobenzene	2,480	µg/L	SW8260C			2,500		99.3	80 - 152				
Surr: Dibromofluoromethane	2,550	µg/L	SW8260C			2,500		102	70 - 130				
Surr: Toluene-d8	2,420	µg/L	SW8260C			2,500		96.6	60 - 115				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1701323
Project: January Ground Water 2017

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: 1701323-003DMSD Date Analyzed: 01/20/2017 1448h Test Code: 8260-W-DEN100													
Chloroform	2,440	µg/L	SW8260C	7.65	50.0	1,000	1390	105	50 - 146	2470	1.51	25	
Methylene chloride	1,030	µg/L	SW8260C	8.60	50.0	1,000	0	103	30 - 192	1060	2.96	25	
Surr: 1,2-Dichloroethane-d4	2,720	µg/L	SW8260C			2,500		109	72 - 151				
Surr: 4-Bromofluorobenzene	2,480	µg/L	SW8260C			2,500		99.4	80 - 152				
Surr: Dibromofluoromethane	2,600	µg/L	SW8260C			2,500		104	70 - 130				
Surr: Toluene-d8	2,450	µg/L	SW8260C			2,500		98.1	60 - 115				

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Rpt Emailed: UL Denison

WORK ORDER Summary

Work Order: **1701323**

Client: Energy Fuels Resources, Inc. Due Date: 2/3/2017

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **January Ground Water 2017** **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. 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	
1701323-001A	**MW-11_01182017**	1/18/2017 1220h	1/20/2017 1035h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: MN				
				200.8-DIS-PR			DF-Dis Metals	
1701323-002A	**MW-25_01172017**	1/17/2017 1220h	1/20/2017 1035h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				2 SEL Analytes: CD U				
				200.8-DIS-PR			DF-Dis Metals	
1701323-003A	**MW-26_01192017**	1/19/2017 1035h	1/20/2017 1035h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: U				
				200.8-DIS-PR			DF-Dis Metals	
1701323-003B				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1701323-003C				**300.0-W**			DF-WC	
				1 SEL Analytes: CL				
1701323-003D				**8260-W-DEN100**			Purge	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				
1701323-004A	**MW-30_01182017**	1/18/2017 1120h	1/20/2017 1035h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR			DF-Dis Metals	
1701323-004B				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1701323-004C				**300.0-W**			DF-WC	
				2 SEL Analytes: CL F				
1701323-005A	**MW-31_01172017**	1/17/2017 1415h	1/20/2017 1035h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR			DF-Dis Metals	
1701323-005B				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				

Printed: 1/20/2017 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed 1/20/17

WORK ORDER Summary

Work Order: **1701323**

Client: Energy Fuels Resources, Inc. Due Date: 2/3/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1701323-005C	**MW-31_01172017**	1/17/2017 1415h	1/20/2017 1035h	**300.0-W**	Aqueous		DF-WC	1
				2 SEL Analytes: CL SO4				
1701323-005D				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1701323-006A	**MW-35_01182017**	1/18/2017 1315h	1/20/2017 1035h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				3 SEL Analytes: MN SE U				
				200.8-DIS-PR			DF-Dis Metals	
1701323-007A	**MW-65_01182017**	1/18/2017 1315h	1/20/2017 1035h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				3 SEL Analytes: MN SE U				
				200.8-DIS-PR			DF-Dis Metals	
1701323-008A	**Trip Blank**	1/19/2017	1/20/2017 1035h	**8260-W-DEN100**	Aqueous		Purge	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				

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CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

~~170/323~~ 170/327

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: **January Ground Water 2017**
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_01182017	1/18/2017	1220	1	W		X										
2	MW-25_01172017	1/17/2017	1220	1	W					X	X						
3	MW-26_01192017	1/19/2017	1035	6	W	X		X		X						X	
4	MW-30_01182017	1/18/2017	1120	3	W	X		X		X		X		X			
5	MW-31_01172017	1/17/2017	1415	4	W	X		X	X	X		X			X		*
6	MW-35_01182017	1/18/2017	1315	1	W		X			X		X					
7	MW-65_01182017	1/18/2017	1315	1	W		X			X		X					
8	TRIP BLANK	1/19/2017		3	W											X	
10	TEMP BLANK	1/19/2017		1	W												
11																	
12																	

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 0-6 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

* labels read MW-30-01172017

Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name: TANNER HOLLIDAY	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature Elena Hay	Date: 1/20/17
Print Name:	Time:	Print Name: Elena Hay	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: 170323

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													
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

February 16, 2017

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 414799

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on January 23, 2017. 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

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 414799

February 16, 2017

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary:

Sample receipt: The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on January 23, 2017 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
414799001	MW-35_01182017
414799002	MW-65_01182017

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

414799

Sheet 1 of 1

Energy Fuels

CHAIN OF CUSTODY

Samples Shipped to:	Gel Laboratories	Contact:	Garrin Palmer
	2040 Savage Road		Ph: 435 678 4115
	Charleston, SC 29407		gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
January Monthly GW 2017	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-35_01182017	1/18/2017	1315	Gross Alpha
MW-65_01182017	1/18/2017	1315	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	1/19/2017 1230		1/23/17 9:10
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL | Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	**SDG/AR/COC/Work Order:** 414799
Received By: [illegible]	**Date Received:** 1/23/17

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 18 °C
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): ES03201820
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 02 9150 4424

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JR Date 1-23-17 Page 1 of 1

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 414799 January Monthly GW 2017
Client SDG: 414799
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-FEB-17
Package Due Date: 18-FEB-17
EDD Due Date: 20-FEB-17
Due Date: 20-FEB-17
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
414799001	MW-35_01182017		18-JAN-17 13:15	23-JAN-17 09:10	-2	1	GROUND WATER		20		1		
414799002	MW-65_01182017		18-JAN-17 13:15	23-JAN-17 09:10	-2	1	GROUND WATER		20		1		

	Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001	MW-35_01182017	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	y	
							Temperature (C)	18	
-002	MW-65_01182017	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	y	
							Temperature (C)	18	

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				

Designated QC
The following sample was used for QC: 415726002 (MW-14_02022017).

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, 1203723768 (MW-14_02022017MS) and 1203723769 (MW-14_02022017MSD), 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: 414799 GEL Work Order: 414799

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: **Name: Kate Gellatly**

Date: 15 FEB 2017 **Title: Analyst I**

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

QC Summary

Report Date: February 15, 2017

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

Contact: **Ms. Kathy Weinel**

Workorder: **414799**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1637517										
QC1203723767 415726002 DUP										
Gross Radium Alpha	U	0.549		1.28	pCi/L	79.6		(0% - 100%)	AXM6	02/11/17 15:2
	Uncertainty	+/-0.237		+/-0.371						
QC1203723770 LCS										
Gross Radium Alpha	412			412	pCi/L		99.9	(75%-125%)		02/11/17 15:2
	Uncertainty			+/-6.26						
QC1203723766 MB										
Gross Radium Alpha			U	0.321	pCi/L					02/11/17 15:2
	Uncertainty			+/-0.243						
QC1203723768 415726002 MS										
Gross Radium Alpha	1660 U	0.549		1580	pCi/L		95.3	(75%-125%)		02/11/17 15:2
	Uncertainty	+/-0.237		+/-23.5						
QC1203723769 415726002 MSD										
Gross Radium Alpha	1660 U	0.549		1880	pCi/L	17.4	113	(0%-20%)		02/11/17 15:2
	Uncertainty	+/-0.237		+/-26.9						

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

GEL LABORATORIES LLC

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

QC Summary

Workorder: 414799

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

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

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

March 2017

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Ground Water 2017
Lab Sample ID: 1703180-001
Client Sample ID: MW-11_03062017
Collection Date: 3/6/2017 1220h
Received Date: 3/10/2017 853h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	3/10/2017 1130h	3/13/2017 910h	E200.8	0.0100	**0.144**	

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Ground Water 2017
Lab Sample ID: 1703180-002
Client Sample ID: MW-25_03072017
Collection Date: 3/7/2017 1120h
Received Date: 3/10/2017 853h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	3/10/2017 1130h	3/13/2017 925h	E200.8	0.000500	**0.00146**	
Uranium	mg/L	3/10/2017 1130h	3/13/2017 1051h	E200.8	0.000300	**0.00639**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Ground Water 2017
Lab Sample ID: 1703180-003
Client Sample ID: MW-26_03072017
Collection Date: 3/7/2017 1400h
Received Date: 3/10/2017 853h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	3/10/2017 1130h	3/14/2017 1123h	E200.8	0.000300	**0.0309**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Ground Water 2017
Lab Sample ID: 1703180-003
Client Sample ID: MW-26_03072017
Collection Date: 3/7/2017 1400h
Received Date: 3/10/2017 853h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/10/2017 1341h	E300.0	20.0	**61.7**	
Nitrate/Nitrite (as N)	mg/L		3/10/2017 1028h	E353.2	0.100	**1.72**	1

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

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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: March Ground Water 2017
Lab Sample ID: 1703180-003D
Client Sample ID: MW-26_03072017
Collection Date: 3/7/2017 1400h
Received Date: 3/10/2017 853h

Test Code: 8260-W-DEN100

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

Analyzed: 3/13/2017 1555h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**2,030**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,790	2,500	112	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,550	2,500	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	2,530	2,500	101	70-130	
Surr: Toluene-d8	2037-26-5	2,470	2,500	98.9	60-115	

~ - The reporting limits were raised due to high analyte concentrations.

Analyzed: 3/13/2017 1436h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Methylene chloride	75-09-2	1.00	**9.46**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.3	50.00	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.3	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.9	50.00	102	70-130	
Surr: Toluene-d8	2037-26-5	49.2	50.00	98.4	60-115	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Ground Water 2017
Lab Sample ID: 1703180-004
Client Sample ID: MW-30_03072017
Collection Date: 3/7/2017 1035h
Received Date: 3/10/2017 853h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	3/10/2017 1130h	3/22/2017 1547h	E200.8	0.00500	**0.0408**	
Uranium	mg/L	3/10/2017 1130h	3/13/2017 1055h	E200.8	0.000300	**0.00789**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Ground Water 2017
Lab Sample ID: 1703180-004
Client Sample ID: MW-30_03072017
Collection Date: 3/7/2017 1035h
Received Date: 3/10/2017 853h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/10/2017 1358h	E300.0	20.0	**147**	
Fluoride	mg/L		3/10/2017 1431h	E300.0	0.100	**0.351**	
Nitrate/Nitrite (as N)	mg/L		3/10/2017 1031h	E353.2	0.100	**18.1**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Ground Water 2017
Lab Sample ID: 1703180-005
Client Sample ID: MW-31_03062017
Collection Date: 3/6/2017 1400h
Received Date: 3/10/2017 853h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	3/10/2017 1130h	3/13/2017 944h	E200.8	0.00500	**0.0829**	
Uranium	mg/L	3/10/2017 1130h	3/13/2017 1059h	E200.8	0.000300	**0.00962**	

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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: March Ground Water 2017
Lab Sample ID: 1703180-005
Client Sample ID: MW-31_03062017
Collection Date: 3/6/2017 1400h
Received Date: 3/10/2017 853h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/10/2017 1156h	E300.0	100	**250**	
Nitrate/Nitrite (as N)	mg/L		3/10/2017 1039h	E353.2	0.200	**20.4**	
Sulfate	mg/L		3/10/2017 1156h	E300.0	100	**741**	
Total Dissolved Solids	mg/L		3/10/2017 1255h	SM2540C	20.0	**1,690**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Ground Water 2017
Lab Sample ID: 1703180-006
Client Sample ID: MW-35_03062017
Collection Date: 3/6/2017 1350h
Received Date: 3/10/2017 853h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	3/10/2017 1130h	3/13/2017 947h	E200.8	0.0100	**0.201**	
Selenium	mg/L	3/10/2017 1130h	3/13/2017 947h	E200.8	0.00500	**0.00809**	
Uranium	mg/L	3/10/2017 1130h	3/13/2017 1102h	E200.8	0.000300	**0.0207**	

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

Certificate of Analysis

Report Date: April 5, 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_03062017	Project:	DNMI00100
Sample ID:	418260001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	06-MAR-17 13:50		
Receive Date:	10-MAR-17		
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		4.13	+/-0.585	0.977	1.00	pCi/L			AXM6	03/28/17	1218	1648995	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			98.2	(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: March Ground Water 2017
Lab Sample ID: 1703180-007
Client Sample ID: MW-65_03072017
Collection Date: 3/7/2017 1035h
Received Date: 3/10/2017 853h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	3/10/2017 1130h	3/13/2017 950h	E200.8	0.00500	**0.0439**	
Uranium	mg/L	3/10/2017 1130h	3/13/2017 1105h	E200.8	0.000300	**0.00786**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Ground Water 2017
Lab Sample ID: 1703180-007
Client Sample ID: MW-65_03072017
Collection Date: 3/7/2017 1035h
Received Date: 3/10/2017 853h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/10/2017 1415h	E300.0	10.0	**150**	
Fluoride	mg/L		3/10/2017 1448h	E300.0	0.100	**0.361**	
Nitrate/Nitrite (as N)	mg/L		3/10/2017 1033h	E353.2	0.100	**18.2**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Ground Water 2017
Lab Sample ID: 1703180-008A
Client Sample ID: Trip Blank
Collection Date: 3/7/2017
Received Date: 3/10/2017 853h

Test Code: 8260-W-DEN100

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

Analyzed: 3/13/2017 1337h
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	55.2	50.00	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.0	50.00	106	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.9	50.00	102	70-130	
Surr: Toluene-d8	2037-26-5	49.8	50.00	99.6	60-115	

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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: March Ground Water 2017

Dear Garrin Palmer: Lab Set ID: 1703180

3440 South 700 West
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories received sample(s) on 3/10/2017 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: 2017.03.24 13:41:53 -06'00'

Laboratory Director or designee

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Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	March Ground Water 2017
Lab Set ID:	1703180

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	3/10/2017
Dates of Collection:	3/6-3/7/2017
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
1703180-003B	Nitrate/Nitrite	MS/MSD	Sample matrix interference

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits.

Corrective Action: None required.

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Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	March Ground Water 2017
Lab Set ID:	1703180

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	3/10/2017
Dates of Collection:	3/6-3/7/2017
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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SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Ground Water 2017
Lab Set ID: 1703180
Date Received: 3/10/2017 853h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1703180-001A	MW-11_03062017	3/6/2017	1220h	Aqueous	ICPMS Metals, Dissolved
1703180-002A	MW-25_03072017	3/7/2017	1120h	Aqueous	ICPMS Metals, Dissolved
1703180-003A	MW-26_03072017	3/7/2017	1400h	Aqueous	ICPMS Metals, Dissolved
1703180-003B	MW-26_03072017	3/7/2017	1400h	Aqueous	Nitrite/Nitrate (as N), E353.2
1703180-003C	MW-26_03072017	3/7/2017	1400h	Aqueous	Anions, E300.0
1703180-003D	MW-26_03072017	3/7/2017	1400h	Aqueous	VOA by GC/MS Method 8260C/5030C
1703180-004A	MW-30_03072017	3/7/2017	1035h	Aqueous	ICPMS Metals, Dissolved
1703180-004B	MW-30_03072017	3/7/2017	1035h	Aqueous	Nitrite/Nitrate (as N), E353.2
1703180-004C	MW-30_03072017	3/7/2017	1035h	Aqueous	Anions, E300.0
1703180-005A	MW-31_03062017	3/6/2017	1400h	Aqueous	ICPMS Metals, Dissolved
1703180-005B	MW-31_03062017	3/6/2017	1400h	Aqueous	Nitrite/Nitrate (as N), E353.2
1703180-005C	MW-31_03062017	3/6/2017	1400h	Aqueous	Anions, E300.0
1703180-005D	MW-31_03062017	3/6/2017	1400h	Aqueous	Total Dissolved Solids, A2540C
1703180-006A	MW-35_03062017	3/6/2017	1350h	Aqueous	ICPMS Metals, Dissolved
1703180-007A	MW-65_03072017	3/7/2017	1035h	Aqueous	ICPMS Metals, Dissolved
1703180-007B	MW-65_03072017	3/7/2017	1035h	Aqueous	Nitrite/Nitrate (as N), E353.2
1703180-007C	MW-65_03072017	3/7/2017	1035h	Aqueous	Anions, E300.0
1703180-008A	Trip Blank	3/7/2017		Aqueous	VOA by GC/MS Method 8260C/5030C

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703180
Project: March Ground Water 2017

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-47932	Date Analyzed:	03/13/2017 907h											
Test Code: 200.8-DIS	Date Prepared:	03/10/2017 1130h											
Cadmium	0.190	mg/L	E200.8	0.000226	0.000500	0.2000	0	95.0	85 - 115				
Manganese	0.190	mg/L	E200.8	0.000658	0.00200	0.2000	0	94.9	85 - 115				
Selenium	0.192	mg/L	E200.8	0.000176	0.00200	0.2000	0	96.0	85 - 115				
Uranium	0.194	mg/L	E200.8	0.000440	0.00200	0.2000	0	97.0	85 - 115				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703180
Project: March Ground Water 2017

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-47932**	Date Analyzed:	03/13/2017 904h											
Test Code:	200.8-DIS	Date Prepared:	03/10/2017 1130h											
Cadmium		< 0.000500	mg/L	E200.8	0.000226	0.000500								
Manganese		< 0.00200	mg/L	E200.8	0.000658	0.00200								
Lab Sample ID:	**MB-47932**	Date Analyzed:	03/13/2017 1048h											
Test Code:	200.8-DIS	Date Prepared:	03/10/2017 1130h											
Uranium		< 0.000200	mg/L	E200.8	0.0000440	0.000200								
Lab Sample ID:	**MB-47932**	Date Analyzed:	03/13/2017 1457h											
Test Code:	200.8-DIS	Date Prepared:	03/10/2017 1130h											
Selenium		< 0.000100	mg/L	E200.8	0.00000878	0.000100								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703180
Project: March Ground Water 2017

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: 1703180-001AMS	Date Analyzed:	03/13/2017 919h											
Test Code: 200.8-DIS	Date Prepared:	03/10/2017 1130h											
Cadmium	0.188	mg/L	E200.8	0.000226	0.000500	0.2000	0	94.2	75 - 125				
Manganese	0.335	mg/L	E200.8	0.000658	0.00200	0.2000	0.144	95.2	75 - 125				
Selenium	0.185	mg/L	E200.8	0.000176	0.00200	0.2000	0.000311	92.6	75 - 125				
Uranium	0.194	mg/L	E200.8	0.000440	0.00200	0.2000	0.000719	96.4	75 - 125				
Lab Sample ID: 1703182-002AMS	Date Analyzed:	03/13/2017 959h											
Test Code: 200.8-DIS	Date Prepared:	03/10/2017 1130h											
Cadmium	0.194	mg/L	E200.8	0.000226	0.000500	0.2000	0.000481	96.8	75 - 125				
Manganese	0.199	mg/L	E200.8	0.000658	0.00200	0.2000	0.00983	94.6	75 - 125				
Selenium	0.206	mg/L	E200.8	0.000176	0.00200	0.2000	0.00555	100	75 - 125				
Uranium	0.207	mg/L	E200.8	0.000440	0.00200	0.2000	0.0134	96.8	75 - 125				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703180
Project: March Ground Water 2017

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:	**1703180-001AMSD**	Date Analyzed:	03/13/2017 922h											
Test Code:	200.8-DIS	Date Prepared:	03/10/2017 1130h											
Cadmium		0.191	mg/L	E200.8	0.000226	0.000500	0.2000	0	95.3	75 - 125	0.188	1.08	20	
Manganese		0.337	mg/L	E200.8	0.000658	0.00200	0.2000	0.144	96.5	75 - 125	0.335	0.763	20	
Selenium		0.190	mg/L	E200.8	0.000176	0.00200	0.2000	0.000311	94.7	75 - 125	0.185	2.32	20	
Uranium		0.196	mg/L	E200.8	0.000440	0.00200	0.2000	0.000719	97.9	75 - 125	0.194	1.46	20	
Lab Sample ID:	**1703182-002AMSD**	Date Analyzed:	03/13/2017 1002h											
Test Code:	200.8-DIS	Date Prepared:	03/10/2017 1130h											
Cadmium		0.192	mg/L	E200.8	0.000226	0.000500	0.2000	0.000481	95.6	75 - 125	0.194	1.19	20	
Manganese		0.198	mg/L	E200.8	0.000658	0.00200	0.2000	0.00983	94.2	75 - 125	0.199	0.437	20	
Selenium		0.202	mg/L	E200.8	0.000176	0.00200	0.2000	0.00555	98.1	75 - 125	0.206	1.86	20	
Uranium		0.205	mg/L	E200.8	0.000440	0.00200	0.2000	0.0134	95.8	75 - 125	0.207	0.998	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: 1703180
Project: March Ground Water 2017

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: 1703180-005DDUP Date Analyzed: 03/10/2017 1255h Test Code: TDS-W-2540C													
Total Dissolved Solids	1,740	mg/L	SM2540C	15.7	20.0					1690	3.03	5	
Lab Sample ID: 1703182-002DDUP Date Analyzed: 03/10/2017 1255h Test Code: TDS-W-2540C													
Total Dissolved Solids	3,680	mg/L	SM2540C	15.7	20.0					3830	4.05	5	

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703180
Project: March Ground Water 2017

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-R99330 Date Analyzed: 03/10/2017 1031h													
Test Code: 300.0-W													
Chloride	4.93	mg/L	E300.0	0.0127	0.100	5.000	0	98.6	90 - 110				
Fluoride	4.70	mg/L	E300.0	0.0174	0.100	5.000	0	94.0	90 - 110				
Sulfate	4.89	mg/L	E300.0	0.0327	0.750	5.000	0	97.8	90 - 110				
Lab Sample ID: LCS-R99261 Date Analyzed: 03/10/2017 1027h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.05	mg/L	E353.2	0.00833	0.0100	1.000	0	105	90 - 110				
Lab Sample ID: LCS-R99307 Date Analyzed: 03/10/2017 1255h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	180	mg/L	SM2540C	7.87	10.0	205.0	0	87.8	80 - 120				

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703180
Project: March Ground Water 2017

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-R99330 Date Analyzed: 03/10/2017 1014h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0127	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0174	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0327	0.750								
Lab Sample ID: MB-R99261 Date Analyzed: 03/10/2017 1026h													
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-R99307 Date Analyzed: 03/10/2017 1255h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	7.87	10.0								

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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703180
Project: March Ground Water 2017

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: 1703180-005CMS	Date Analyzed:	03/10/2017 1213h											
Test Code: 300.0-W													
Chloride	1,250	mg/L	E300.0	2.54	20.0	1,000	250	100	90 - 110				
Fluoride	978	mg/L	E300.0	3.48	20.0	1,000	0	97.8	90 - 110				
Sulfate	1,760	mg/L	E300.0	6.54	150	1,000	741	102	90 - 110				
Lab Sample ID: 1703180-003BMS	Date Analyzed:	03/10/2017 1029h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	13.2	mg/L	E353.2	0.0833	0.100	10.00	1.72	115	90 - 110				1
Lab Sample ID: 1703182-002CMS	Date Analyzed:	03/10/2017 1035h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.0	mg/L	E353.2	0.0833	0.100	10.00	0.18	109	90 - 110				
Lab Sample ID: 1703181-001BMS	Date Analyzed:	03/10/2017 1133h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	125	mg/L	E353.2	0.833	1.00	100.0	17	108	90 - 110				

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

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703180
Project: March Ground Water 2017

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: 1703180-005CMSD Date Analyzed: 03/10/2017 1230h													
Test Code: 300.0-W													
Chloride	1,250	mg/L	E300.0	2.54	20.0	1,000	250	100	90 - 110	1250	0.0755	20	
Fluoride	978	mg/L	E300.0	3.48	20.0	1,000	0	97.8	90 - 110	978	0.0114	20	
Sulfate	1,760	mg/L	E300.0	6.54	150	1,000	741	102	90 - 110	1760	0.144	20	
Lab Sample ID: 1703180-003BMSD Date Analyzed: 03/10/2017 1030h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	12.9	mg/L	E353.2	0.0833	0.100	10.00	1.72	112	90 - 110	13.2	2.30	10	1
Lab Sample ID: 1703182-002CMSD Date Analyzed: 03/10/2017 1038h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.2	mg/L	E353.2	0.0833	0.100	10.00	0.18	110	90 - 110	11	1.08	10	
Lab Sample ID: 1703181-001BMSD Date Analyzed: 03/10/2017 1134h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	125	mg/L	E353.2	0.833	1.00	100.0	17	108	90 - 110	125	0.160	10	

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

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703180
Project: March Ground Water 2017

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 031317A Date Analyzed: 03/13/2017 1222h Test Code: 8260-W-DEN100													
Chloroform	22.0	µg/L	SW8260C	0.320	1.00	20.00	0	110	85 - 124				
Methylene chloride	19.1	µg/L	SW8260C	0.372	1.00	20.00	0	95.7	71 - 135				
Surr: 1,2-Dichloroethane-d4	55.4	µg/L	SW8260C			50.00		111	80 - 125				
Surr: 4-Bromofluorobenzene	50.3	µg/L	SW8260C			50.00		101	85 - 121				
Surr: Dibromofluoromethane	50.6	µg/L	SW8260C			50.00		101	77 - 118				
Surr: Toluene-d8	48.4	µg/L	SW8260C			50.00		96.9	81 - 123				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703180
Project: March Ground Water 2017

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 031317A Date Analyzed: 03/13/2017 1302h Test Code: 8260-W-DEN100													
Chloroform	< 1.00	µg/L	SW8260C	0.320	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.372	1.00								
Surr: 1,2-Dichloroethane-d4	56.6	µg/L	SW8260C			50.00		113	80 - 125				
Surr: 4-Bromofluorobenzene	52.6	µg/L	SW8260C			50.00		105	85 - 121				
Surr: Dibromofluoromethane	51.3	µg/L	SW8260C			50.00		103	77 - 118				
Surr: Toluene-d8	49.7	µg/L	SW8260C			50.00		99.3	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703180
Project: March Ground Water 2017

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: 1703180-003DMS Date Analyzed: 03/13/2017 1614h													
Test Code: 8260-W-DEN100													
Chloroform	3,170	µg/L	SW8260C	16.0	50.0	1,000	2030	114	50 - 146				
Methylene chloride	950	µg/L	SW8260C	18.6	50.0	1,000	0	95.0	30 - 192				
Surr: 1,2-Dichloroethane-d4	2,820	µg/L	SW8260C			2,500		113	72 - 151				
Surr: 4-Bromofluorobenzene	2,470	µg/L	SW8260C			2,500		98.7	80 - 152				
Surr: Dibromofluoromethane	2,560	µg/L	SW8260C			2,500		103	70 - 130				
Surr: Toluene-d8	2,410	µg/L	SW8260C			2,500		96.3	60 - 115				
Lab Sample ID: 1703182-002EMS Date Analyzed: 03/13/2017 1654h													
Test Code: 8260-W-DEN100													
Chloroform	20.3	µg/L	SW8260C	0.320	1.00	20.00	0	101	50 - 146				
Methylene chloride	20.4	µg/L	SW8260C	0.372	1.00	20.00	0	102	30 - 192				
Surr: 1,2-Dichloroethane-d4	56.0	µg/L	SW8260C			50.00		112	72 - 151				
Surr: 4-Bromofluorobenzene	49.3	µg/L	SW8260C			50.00		98.5	80 - 152				
Surr: Dibromofluoromethane	50.8	µg/L	SW8260C			50.00		102	70 - 130				
Surr: Toluene-d8	48.9	µg/L	SW8260C			50.00		97.9	60 - 115				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1703180
Project: March Ground Water 2017

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: 1703180-003DMSD Date Analyzed: 03/13/2017 1634h													
Test Code: 8260-W-DEN100													
Chloroform	3,120	µg/L	SW8260C	16.0	50.0	1,000	2030	109	50 - 146	3170	1.53	25	
Methylene chloride	926	µg/L	SW8260C	18.6	50.0	1,000	0	92.6	30 - 192	950	2.51	25	
Surr: 1,2-Dichloroethane-d4	2,850	µg/L	SW8260C			2,500		114	72 - 151				
Surr: 4-Bromofluorobenzene	2,480	µg/L	SW8260C			2,500		99.2	80 - 152				
Surr: Dibromofluoromethane	2,600	µg/L	SW8260C			2,500		104	70 - 130				
Surr: Toluene-d8	2,410	µg/L	SW8260C			2,500		96.5	60 - 115				
Lab Sample ID: 1703182-002EMSD Date Analyzed: 03/13/2017 1714h													
Test Code: 8260-W-DEN100													
Chloroform	21.2	µg/L	SW8260C	0.320	1.00	20.00	0	106	50 - 146	20.3	4.34	25	
Methylene chloride	18.0	µg/L	SW8260C	0.372	1.00	20.00	0	90.3	30 - 192	20.4	12.1	25	
Surr: 1,2-Dichloroethane-d4	56.5	µg/L	SW8260C			50.00		113	72 - 151				
Surr: 4-Bromofluorobenzene	51.2	µg/L	SW8260C			50.00		102	80 - 152				
Surr: Dibromofluoromethane	51.3	µg/L	SW8260C			50.00		103	70 - 130				
Surr: Toluene-d8	49.6	µg/L	SW8260C			50.00		99.3	60 - 115				

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Rpt Emailed: UL Denison

WORK ORDER Summary

Work Order: **1703180**

Client: Energy Fuels Resources, Inc. Due Date: 3/24/2017

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **March Ground Water 2017** **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. 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	
1703180-001A	**MW-11_03062017**	3/6/2017 1220h	3/10/2017 0853h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: MN				
				200.8-DIS-PR			DF-Dis Metals	
1703180-002A	**MW-25_03072017**	3/7/2017 1120h	3/10/2017 0853h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				2 SEL Analytes: CD U				
				200.8-DIS-PR			DF-Dis Metals	
1703180-003A	**MW-26_03072017**	3/7/2017 1400h	3/10/2017 0853h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: U				
				200.8-DIS-PR			DF-Dis Metals	
1703180-003B				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1703180-003C				**300.0-W**			DF-WC	
				1 SEL Analytes: CL				
1703180-003D				**8260-W-DEN100**			voC	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				
1703180-004A	**MW-30_03072017**	3/7/2017 1035h	3/10/2017 0853h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR			DF-Dis Metals	
1703180-004B				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1703180-004C				**300.0-W**			DF-WC	
				2 SEL Analytes: CL F				
1703180-005A	**MW-31_03062017**	3/6/2017 1400h	3/10/2017 0853h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR			DF-Dis Metals	
1703180-005B				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				

Printed: 3/14/2017 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1703180**

Client: Energy Fuels Resources, Inc. Due Date: 3/24/2017

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1703180-005C	**MW-31_03062017**	3/6/2017 1400h	3/10/2017 0853h	**300.0-W**	Aqueous		DF-WC	1
				2 SEL Analytes: CL SO4				
1703180-005D				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1703180-006A	**MW-35_03062017**	3/6/2017 1350h	3/10/2017 0853h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				3 SEL Analytes: MN SE U				
				200.8-DIS-PR			DF-Dis Metals	
1703180-007A	**MW-65_03072017**	3/7/2017 1035h	3/10/2017 0853h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR			DF-Dis Metals	
1703180-007B				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1703180-007C				**300.0-W**			DF-WC	
				2 SEL Analytes: CL F				
1703180-008A	**Trip Blank**	3/7/2017	3/10/2017 0853h	**8260-W-DEN100**	Aqueous		voC	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				

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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.

1703180
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: **March Ground Water 2017**
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	NO_2/NO_3 (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)	Fluoride (A4500-F C or 300.0)	SO_4 (4500 or 300.0)	VOCs Chloroform, Dichloromethane, (8260C)	Known Hazards & Sample Comments
1	MW-11_03062017	3/6/2017	1220	1	W		X									
2	MW-25_03072017	3/7/2017	1120	1	W					X	X					
3	MW-26_03072017	3/7/2017	1400	6	W	X		X		X					X	
4	MW-30_03072017	3/7/2017	1035	3	W	X		X		X		X	X			
5	MW-31_03062017	3/6/2017	1400	4	W	X		X	X	X		X		X		
6	MW-35_03062017	3/6/2017	1350	1	W		X			X		X				
7	MW-65_03072017	3/7/2017	1035	3	W	X		X		X		X	X			
8	TRIP BLANK	3/7/2017		3	W										X	
10	TEMP BLANK	3/7/2017		1	W											
11																
12																

Laboratory Use Only

Samples Were:
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 2.4 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

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:	Time:	Received by: Signature	Date:	Time:
Garrin Palmer	3/10/2017	0857	Elmer Hayes	3/10/17	0852
Print Name: GARRIN PALMER			Print Name:		
Relinquished by: Signature	Date:	Time:	Received by: Signature	Date:	Time:
Print Name:			Print Name:		
Relinquished by: Signature	Date:	Time:	Received by: Signature	Date:	Time:
Print Name:			Print Name:		
Relinquished by: Signature	Date:	Time:	Received by: Signature	Date:	Time:
Print Name:			Print Name:		

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: 1703180

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											
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

April 05, 2017

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 418260

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on March 10, 2017. 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: 418260

April 05, 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 March 10, 2017 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
418260001	MW-35_03062017

Case Narrative:

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Radiochemistry.

Julie Robinson

Julie Robinson
Project Manager

Sheet 1 of 1

418260

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
March Monthly GW 2017	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-35_03062017	3/6/2017	1350	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
TANNER HOLLIDAY Tanner Holliday	3/9/2017 1100		3-10-17 9:30
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	**SDG/AR/COC/Work Order:** 418260 / 418259
Received By: A.K.	**Date Received:** 3-10-11
Carrier and Tracking Number	Circle Applicable: FedEx Express FedEx Ground (UPS) Field Services Courier Other 1Z 187 Y4Y 01 9610 7294

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
COC/Samples marked as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 (CPM) / mR/Hr **Classified as: Rad 1 Rad 2 Rad 3**
Is package, COC, and/or Samples marked HAZ?		✓	If yes, select Hazards below, and contact the GEL Safety Group. PCB's Flammable Foreign Soil RCRA Asbestos Beryllium Other:

	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	Chain of custody documents included with shipment?	✓			
3	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		✓		Preservation Method: Wet Ice Ice Packs Dry ice (None) Other: *all temperatures are recorded in Celsius **TEMP:** 16°C
4	Daily check performed and passed on IR temperature gun?	✓			**Temperature Device Serial #:** IR 3-16 Secondary Temperature Device Serial # (If Applicable):
5	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
6	Samples requiring chemical preservation at proper pH?	✓	-		Sample ID's and Containers Affected: If Preservation added, Lot#:
7	Do any samples require Volatile Analysis?			✓	If Yes, Are Encores or Soil Kits present? Yes___ No___ (If yes, take to VOA Freezer) Do VOA vials contain acid preservation? Yes___ No___ (If unknown, select No) VOA vials free of headspace? Yes___ No___ Sample ID's and containers affected:
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
10	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
11	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
12	Are sample containers identifiable as GEL provided?	✓			
13	COC form is properly signed in relinquished/received sections?	✓			

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JR Date 3/10/11 Page 1 of 1

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 418260 March Monthly GW 2017
Client SDG: 418260
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-APR-17
Package Due Date: 05-APR-17
EDD Due Date: 07-APR-17
Due Date: 07-APR-17
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
418260001	MW-35_03062017		06-MAR-17 13:50	10-MAR-17 09:30	-2	1	GROUND WATER		20		1		

	Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data	Receive Codes
-001	MW-35_03062017	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**
Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001
Parmname Check: All parmnames scheduled properly
Path: Standard
Product Reference: Gross Alpha
Moisture Correction: "As Received"

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

Contingent Tests

Action	Product Name	Description	Samples

Login Requirements:

Requirement	Include?	Comments

GEL Laboratories LLC – Login Review Report

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 418260

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1648995

Sample ID	Client ID
418260001	MW-35_03062017
1203750962	Method Blank (MB)
1203750966	Laboratory Control Sample (LCS)
1203750963	418259001(MW-37_03072017) Sample Duplicate (DUP)
1203750964	418259001(MW-37_03072017) Matrix Spike (MS)
1203750965	418259001(MW-37_03072017) 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# 16.

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: 418259001 (MW-37_03072017).

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Recounts
None of the samples in this sample set were recounted.

Miscellaneous Information:

Data Exception (DER) Documentation
Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Sample-Specific MDA/MDC
The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments
The matrix spike and matrix spike duplicate, 1203750964 (MW-37_03072017MS) and 1203750965 (MW-37_03072017MSD), 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: 418260 GEL Work Order: 418260

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: **Name: Kate Gellatly**

Date: 05 APR 2017 **Title: Analyst I**

GEL LABORATORIES LLC

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

QC Summary

Report Date: April 5, 2017

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

Contact: **Ms. Kathy Weinel**

Workorder: **418260**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1648995										
QC1203750963 418259001 DUP										
Gross Radium Alpha	U	0.626		1.21	pCi/L	63.3		(0% - 100%)	AXM6	03/28/17 12:1
	Uncertainty	+/-0.314		+/-0.373						
QC1203750966 LCS										
Gross Radium Alpha	412			412	pCi/L		100	(75%-125%)		03/28/17 12:1
	Uncertainty			+/-7.52						
QC1203750962 MB										
Gross Radium Alpha			U	0.123	pCi/L					03/28/17 12:1
	Uncertainty			+/-0.265						
QC1203750964 418259001 MS										
Gross Radium Alpha	1670 U	0.626		1360	pCi/L		81.8	(75%-125%)		03/28/17 12:1
	Uncertainty	+/-0.314		+/-24.0						
QC1203750965 418259001 MSD										
Gross Radium Alpha	1670 U	0.626		1630	pCi/L	17.7	97.7	(0%-20%)		03/28/17 12:1
	Uncertainty	+/-0.314		+/-29.3						

Notes:

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

The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD

GEL LABORATORIES LLC

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

QC Summary

Workorder: 418260

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

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
NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab G

Quality Assurance and Data Validation Tables

G-1A: Quarterly Field Data QA/QC Evaluation

Well	Sample Date	Time Req'd for 2 Casings	Time Pumped (min)	Amount Sufficient?	Specific Conductance		RPD(%)	pH		RPD(%)	Temp (°C)		RPD(%)	Redox Potential (Eh)		RPD(%)	Turbidity (NTU)		>5 NTU	RPD(%)
MW-01	1/31/2017	181.36	185	Y	1829	1838	0.49	6.56	6.60	0.61	14.94	14.95	0.07	466	465	0.21	0.0	0.0	N	0.00
MW-03A	2/9/2017	67.12	70	Pumped dry	5901	5914	0.22	6.51	6.50	0.15	14.45	14.60	1.03	NM		NC	NM		N	NC
MW-05	1/25/2017	196.44	200	Y	2733	2732	0.04	6.43	6.46	0.47	14.00	13.98	0.14	426	423	0.71	0.0	0.0	N	0.00
MW-11	2/8/2017	266.31	270	Y	2934	2928	0.20	6.97	6.99	0.29	14.82	14.81	0.07	441	439	0.45	2.0	2.1	N	4.88
MW-12	1/25/2017	134.33	140	Y	3826	3820	0.16	6.73	6.71	0.30	14.38	14.30	0.56	457	457	0.00	4.4	4.4	N	0.00
MW-14	2/2/2017	155.87	160	Y	3920	3909	0.28	6.30	6.34	0.63	14.10	14.05	0.36	473	472	0.21	0.0	0.0	N	0.00
MW-15	1/24/2017	189.82	190	Y	3702	3705	0.08	6.68	6.67	0.15	16.80	16.85	0.30	457	458	0.22	2.9	2.9	N	0.00
MW-18	2/1/2017	370.73	380	Y	3248	3245	0.09	6.30	6.30	0.00	13.89	13.90	0.07	440	440	0.00	1.5	1.5	N	0.00
MW-19	1/31/2017	519.08	540	Y	1279	1280	0.08	6.50	6.50	0.00	14.47	14.48	0.07	459	459	0.00	2.6	2.7	N	3.77
MW-23	1/31/2017	108.33	110	Y	3545	3542	0.08	6.46	6.45	0.15	16.50	16.48	0.12	480	479	0.21	6.1	6.1	Y	0.00
MW-24	3/8/2017	48.97	50	Pumped dry	4474	4487	0.29	4.93	4.96	0.61	14.65	14.62	0.20	NM		NC	NM		N	NC
MW-25	2/7/2017	225.87	240	Y	3156	3160	0.13	6.33	6.34	0.16	14.16	14.16	0.00	528	525	0.57	3.9	4.0	N	2.53
MW-26	2/9/2017	NA			3536		NC	6.42		NC	15.78		NC	480		NC	0.0		N	NC
MW-27	1/24/2017	246.45	250	Y	1314	1312	0.15	6.87	6.85	0.29	14.40	14.38	0.14	430	430	0.00	0.0	0.0	N	0.00
MW-28	1/25/2017	211.24	215	Y	3788	3796	0.21	6.17	6.17	0.00	13.68	13.72	0.29	452	451	0.22	0.0	0.0	N	0.00
MW-29	1/26/2017	159.48	170	Y	4674	4675	0.02	6.86	6.90	0.58	14.10	14.07	0.21	186	186	0.00	4.2	4.2	N	0.00
MW-30	2/2/2017	210.04	250	Y	2084	2083	0.05	6.38	6.40	0.31	14.03	14.04	0.07	460	458	0.44	0.0	0.0	N	0.00
MW-31	2/7/2017	372.17	375	Y	2460	2481	0.85	6.26	6.30	0.64	13.86	13.88	0.14	525	523	0.38	0.0	0.0	N	0.00
MW-32	2/1/2017	328.00	330	Y	3540	3541	0.03	6.20	6.19	0.16	14.50	14.47	0.21	483	478	1.04	9.1	9.1	Y	0.00
MW-35	2/7/2017	74.32	75	Y	4161	4156	0.12	6.28	6.28	0.00	13.81	13.80	0.07	518	517	0.19	0.0	0.0	N	0.00
MW-36	1/24/2017	68.30	70	Y	4597	4602	0.11	6.64	6.63	0.15	13.46	13.45	0.07	437	437	0.00	0.0	0.0	N	0.00
MW-37	3/7/2017	NA	NA	Bailed dry	4128	4180	1.25	6.40	6.45	0.78	14.98	14.95	0.20	NM		NC	NM		N	NC

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements less than 5 NTU are included for information purposes only.

MW-26 is a continuously pumped well.

Well was purged dry.

N/A = The amount of water in the well was insufficient to purge. The pump was not able to operate due to the minimal amount of water. The well was purged and sampled with a bailer.

NM = Not Measured. The QAP does not require the measurement of redox potential or turbidity in wells that were purged to dryness.

NC = Not calculated.

Well was purged dry after 2 casing volumes were removed.

G-1B: Acelerated Field Data QA/QC Evaluation

Well	Sample Date	Time Req'd for 2 Casings	Time Pumped (min)	Amount Sufficient?	Specific Conductance		RPD(%)	pH		RPD(%)	Temp (°C)		RPD(%)	Redox Potential (Eh)		RPD(%)	Turbidity (NTU)		<5 (NTU)	RPD(%)
Accelerated January Monthly																				
MW-11	1/18/2017	266.37	270	Y	2704	2706	0.07	7.13	7.13	0.00	14.46	14.48	0.14	412	411	0.24	3.0	3.0	Y	0.00
MW-14	1/18/2017	156.47	160	Y	3658	3658	0.00	6.38	6.36	0.31	14.27	14.25	0.14	427	427	0.00	0.0	0.0	Y	0.00
MW-25	1/17/2017	225.26	240	Y	2952	2943	0.31	6.44	6.40	0.62	14.90	14.88	0.13	455	454	0.22	5.6	5.7	N	1.77
MW-26	11/19/2017	NA			3267		NC	6.67		NC	14.80		NC	455		NC	5.0		N	NC
MW-30	1/18/2017	210.04	215	Y	1948	1955	0.36	6.62	6.61	0.15	14.63	14.59	0.27	446	443	0.67	3.2	3.2	Y	0.00
MW-31	1/17/2017	371.33	375	Y	2290	2289	0.04	6.75	6.75	0.00	14.35	14.34	0.07	440	440	0.00	1.9	2.0	Y	5.13
MW-35	1/18/2017	73.54	75	Y	3883	3882	0.03	6.39	6.39	0.00	14.39	14.35	0.28	438	439	0.23	0.0	0.0	Y	0.00
Accelerated March Monthly																				
MW-11	3/6/2017	267.09	270	Y	2878	2860	0.63	6.59	6.65	0.91	14.27	14.25	0.14	514	511	0.59	0.0	0.0	Y	0.00
MW-14	3/7/2017	154.37	160	Y	3940	3935	0.13	6.34	6.35	0.16	14.54	14.47	0.48	497	497	0.00	0.0	0.0	Y	0.00
MW-25	3/7/2017	222.98	240	Y	3175	3168	0.22	6.63	6.62	0.15	14.60	14.55	0.34	501	501	0.00	1.5	1.5	Y	0.00
MW-26	3/7/2017	NA			3485		NC	6.06			15.14			510			0.0		Y	NC
MW-30	3/7/2017	208.23	210	Y	2055	2058	0.15	6.69	6.68	0.15	14.10	14.16	0.42	498	498	0.00	0.0	0.0	Y	0.00
MW-31	3/6/2017	371.81	380	Y	2480	2479	0.04	6.39	6.39	0.00	14.08	14.10	0.14	491	490	0.20	0.0	0.0	Y	0.00
MW-35	3/6/2017	73.42	75	Y	4163	4159	0.10	6.34	6.36	0.31	13.99	14.01	0.14	517	515	0.39	0.0	0.0	Y	0.00

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements less than 5 NTU are included for information purposes only.

MW-26 is a continuously pumped well.

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
Trip Blank	Toluene	1/24/2017	1/27/2017	3	14	OK
Trip Blank	Tetrahydrofuran	1/24/2017	1/27/2017	3	14	OK
Trip Blank	Xylenes, Total	1/24/2017	1/27/2017	3	14	OK
Trip Blank	Carbon tetrachloride	1/24/2017	1/27/2017	3	14	OK
Trip Blank	Acetone	1/24/2017	1/27/2017	3	14	OK
Trip Blank	Chloroform	1/24/2017	1/27/2017	3	14	OK
Trip Blank	Benzene	1/24/2017	1/27/2017	3	14	OK
Trip Blank	Chloromethane	1/24/2017	1/27/2017	3	14	OK
Trip Blank	Methylene chloride	1/24/2017	1/27/2017	3	14	OK
Trip Blank	2-Butanone	1/24/2017	1/27/2017	3	14	OK
Trip Blank	Naphthalene	1/24/2017	1/27/2017	3	14	OK
Trip Blank	Toluene	2/2/2017	2/6/2017	4	14	OK
Trip Blank	Tetrahydrofuran	2/2/2017	2/6/2017	4	14	OK
Trip Blank	Xylenes, Total	2/2/2017	2/6/2017	4	14	OK
Trip Blank	Carbon tetrachloride	2/2/2017	2/6/2017	4	14	OK
Trip Blank	Acetone	2/2/2017	2/6/2017	4	14	OK
Trip Blank	Chloroform	2/2/2017	2/6/2017	4	14	OK
Trip Blank	Benzene	2/2/2017	2/6/2017	4	14	OK
Trip Blank	Chloromethane	2/2/2017	2/6/2017	4	14	OK
Trip Blank	Methylene chloride	2/2/2017	2/6/2017	4	14	OK
Trip Blank	2-Butanone	2/2/2017	2/6/2017	4	14	OK
Trip Blank	Naphthalene	2/2/2017	2/6/2017	4	14	OK
Trip Blank	Toluene	2/7/2017	2/10/2017	3	14	OK
Trip Blank	Tetrahydrofuran	2/7/2017	2/10/2017	3	14	OK
Trip Blank	Xylenes, Total	2/7/2017	2/10/2017	3	14	OK
Trip Blank	Carbon tetrachloride	2/7/2017	2/10/2017	3	14	OK
Trip Blank	Acetone	2/7/2017	2/10/2017	3	14	OK
Trip Blank	Chloroform	2/7/2017	2/10/2017	3	14	OK
Trip Blank	Benzene	2/7/2017	2/10/2017	3	14	OK
Trip Blank	Chloromethane	2/7/2017	2/10/2017	3	14	OK
Trip Blank	Methylene chloride	2/7/2017	2/10/2017	3	14	OK
Trip Blank	2-Butanone	2/7/2017	2/10/2017	3	14	OK
Trip Blank	Naphthalene	2/7/2017	2/10/2017	3	14	OK
Trip Blank	Toluene	3/7/2017	3/13/2017	6	14	OK
Trip Blank	Tetrahydrofuran	3/7/2017	3/13/2017	6	14	OK
Trip Blank	Xylenes, Total	3/7/2017	3/13/2017	6	14	OK
Trip Blank	Carbon tetrachloride	3/7/2017	3/13/2017	6	14	OK
Trip Blank	Acetone	3/7/2017	3/13/2017	6	14	OK
Trip Blank	Chloroform	3/7/2017	3/13/2017	6	14	OK
Trip Blank	Benzene	3/7/2017	3/13/2017	6	14	OK
Trip Blank	Chloromethane	3/7/2017	3/13/2017	6	14	OK
Trip Blank	Methylene chloride	3/7/2017	3/13/2017	6	14	OK
Trip Blank	2-Butanone	3/7/2017	3/13/2017	6	14	OK
Trip Blank	Naphthalene	3/7/2017	3/13/2017	6	14	OK
MW-01	Sulfate	1/31/2017	2/13/2017	13	28	OK
MW-01	Chloride	1/31/2017	2/13/2017	13	28	OK
MW-03A	Sulfate	2/9/2017	2/17/2017	8	28	OK
MW-03A	Selenium	2/9/2017	2/21/2017	12	180	OK
MW-05	Uranium	1/25/2017	1/30/2017	5	180	OK
MW-11	Gross Radium Alpha	2/8/2017	3/6/2017	26	180	OK
MW-11	Toluene	2/8/2017	2/10/2017	2	14	OK
MW-11	Tetrahydrofuran	2/8/2017	2/10/2017	2	14	OK
MW-11	Xylenes, Total	2/8/2017	2/10/2017	2	14	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-11	Sulfate	2/8/2017	2/17/2017	9	28	OK
MW-11	Chloride	2/8/2017	2/17/2017	9	28	OK
MW-11	Fluoride	2/8/2017	2/18/2017	10	28	OK
MW-11	Carbon tetrachloride	2/8/2017	2/10/2017	2	14	OK
MW-11	Acetone	2/8/2017	2/10/2017	2	14	OK
MW-11	Chloroform	2/8/2017	2/10/2017	2	14	OK
MW-11	Benzene	2/8/2017	2/10/2017	2	14	OK
MW-11	Chloromethane	2/8/2017	2/10/2017	2	14	OK
MW-11	Iron	2/8/2017	2/21/2017	13	180	OK
MW-11	Lead	2/8/2017	2/21/2017	13	180	OK
MW-11	Magnesium	2/8/2017	2/20/2017	12	180	OK
MW-11	Manganese	2/8/2017	2/21/2017	13	180	OK
MW-11	Mercury	2/8/2017	2/16/2017	8	180	OK
MW-11	Molybdenum	2/8/2017	2/21/2017	13	180	OK
MW-11	Nickel	2/8/2017	2/21/2017	13	180	OK
MW-11	Potassium	2/8/2017	2/21/2017	13	180	OK
MW-11	Silver	2/8/2017	2/21/2017	13	180	OK
MW-11	Sodium	2/8/2017	2/20/2017	12	180	OK
MW-11	Thallium	2/8/2017	2/21/2017	13	180	OK
MW-11	Tin	2/8/2017	2/21/2017	13	180	OK
MW-11	Arsenic	2/8/2017	2/21/2017	13	180	OK
MW-11	Beryllium	2/8/2017	2/21/2017	13	180	OK
MW-11	Cadmium	2/8/2017	2/21/2017	13	180	OK
MW-11	Chromium	2/8/2017	2/21/2017	13	180	OK
MW-11	Cobalt	2/8/2017	2/21/2017	13	180	OK
MW-11	Copper	2/8/2017	2/21/2017	13	180	OK
MW-11	Uranium	2/8/2017	2/21/2017	13	180	OK
MW-11	Vanadium	2/8/2017	2/21/2017	13	180	OK
MW-11	Zinc	2/8/2017	2/21/2017	13	180	OK
MW-11	Calcium	2/8/2017	2/20/2017	12	180	OK
MW-11	Methylene chloride	2/8/2017	2/10/2017	2	14	OK
MW-11	Ammonia (as N)	2/8/2017	2/16/2017	8	28	OK
MW-11	Selenium	2/8/2017	2/21/2017	13	180	OK
MW-11	2-Butanone	2/8/2017	2/10/2017	2	14	OK
MW-11	Naphthalene	2/8/2017	2/10/2017	2	14	OK
MW-11	Bicarbonate (as CaCO3)	2/8/2017	2/13/2017	5	14	OK
MW-11	Carbonate (as CaCO3)	2/8/2017	2/13/2017	5	14	OK
MW-11	Nitrate/Nitrite (as N)	2/8/2017	2/13/2017	5	28	OK
MW-11	Total Dissolved Solids	2/8/2017	2/10/2017	2	7	OK
MW-12	Selenium	1/25/2017	1/30/2017	5	180	OK
MW-14	Gross Radium Alpha	2/2/2017	2/11/2017	9	180	OK
MW-14	Toluene	2/2/2017	2/6/2017	4	14	OK
MW-14	Tetrahydrofuran	2/2/2017	2/6/2017	4	14	OK
MW-14	Xylenes, Total	2/2/2017	2/6/2017	4	14	OK
MW-14	Sulfate	2/2/2017	2/13/2017	11	28	OK
MW-14	Chloride	2/2/2017	2/13/2017	11	28	OK
MW-14	Fluoride	2/2/2017	2/13/2017	11	28	OK
MW-14	Carbon tetrachloride	2/2/2017	2/6/2017	4	14	OK
MW-14	Acetone	2/2/2017	2/6/2017	4	14	OK
MW-14	Chloroform	2/2/2017	2/6/2017	4	14	OK
MW-14	Benzene	2/2/2017	2/6/2017	4	14	OK
MW-14	Chloromethane	2/2/2017	2/6/2017	4	14	OK
MW-14	Iron	2/2/2017	2/7/2017	5	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-14	Lead	2/2/2017	2/7/2017	5	180	OK
MW-14	Magnesium	2/2/2017	2/15/2017	13	180	OK
MW-14	Manganese	2/2/2017	2/7/2017	5	180	OK
MW-14	Mercury	2/2/2017	2/10/2017	8	180	OK
MW-14	Molybdenum	2/2/2017	2/7/2017	5	180	OK
MW-14	Nickel	2/2/2017	2/7/2017	5	180	OK
MW-14	Potassium	2/2/2017	2/15/2017	13	180	OK
MW-14	Silver	2/2/2017	2/7/2017	5	180	OK
MW-14	Sodium	2/2/2017	2/15/2017	13	180	OK
MW-14	Thallium	2/2/2017	2/7/2017	5	180	OK
MW-14	Tin	2/2/2017	2/7/2017	5	180	OK
MW-14	Arsenic	2/2/2017	2/7/2017	5	180	OK
MW-14	Beryllium	2/2/2017	2/7/2017	5	180	OK
MW-14	Cadmium	2/2/2017	2/7/2017	5	180	OK
MW-14	Chromium	2/2/2017	2/7/2017	5	180	OK
MW-14	Cobalt	2/2/2017	2/7/2017	5	180	OK
MW-14	Copper	2/2/2017	2/7/2017	5	180	OK
MW-14	Uranium	2/2/2017	2/7/2017	5	180	OK
MW-14	Vanadium	2/2/2017	2/15/2017	13	180	OK
MW-14	Zinc	2/2/2017	2/7/2017	5	180	OK
MW-14	Calcium	2/2/2017	2/15/2017	13	180	OK
MW-14	Methylene chloride	2/2/2017	2/6/2017	4	14	OK
MW-14	Ammonia (as N)	2/2/2017	2/7/2017	5	28	OK
MW-14	Selenium	2/2/2017	2/7/2017	5	180	OK
MW-14	2-Butanone	2/2/2017	2/6/2017	4	14	OK
MW-14	Naphthalene	2/2/2017	2/6/2017	4	14	OK
MW-14	Bicarbonate (as CaCO3)	2/2/2017	2/7/2017	5	14	OK
MW-14	Carbonate (as CaCO3)	2/2/2017	2/7/2017	5	14	OK
MW-14	Nitrate/Nitrite (as N)	2/2/2017	2/8/2017	6	28	OK
MW-14	Total Dissolved Solids	2/2/2017	2/6/2017	4	7	OK
MW-15	Selenium	1/24/2017	1/30/2017	6	180	OK
MW-18	Sulfate	2/1/2017	2/13/2017	12	28	OK
MW-18	Thallium	2/1/2017	2/7/2017	6	180	OK
MW-18	Total Dissolved Solids	2/1/2017	2/6/2017	5	7	OK
MW-19	Nitrate/Nitrite (as N)	1/31/2017	2/8/2017	8	28	OK
MW-24	Sulfate	3/8/2017	3/22/2017	14	28	OK
MW-24	Fluoride	3/8/2017	3/22/2017	14	28	OK
MW-24	Thallium	3/8/2017	3/13/2017	5	180	OK
MW-24	Cadmium	3/8/2017	3/13/2017	5	180	OK
MW-25	Gross Radium Alpha	2/7/2017	3/6/2017	27	180	OK
MW-25	Toluene	2/7/2017	2/10/2017	3	14	OK
MW-25	Tetrahydrofuran	2/7/2017	2/10/2017	3	14	OK
MW-25	Xylenes, Total	2/7/2017	2/10/2017	3	14	OK
MW-25	Sulfate	2/7/2017	2/17/2017	10	28	OK
MW-25	Chloride	2/7/2017	2/17/2017	10	28	OK
MW-25	Fluoride	2/7/2017	2/18/2017	11	28	OK
MW-25	Carbon tetrachloride	2/7/2017	2/10/2017	3	14	OK
MW-25	Acetone	2/7/2017	2/10/2017	3	14	OK
MW-25	Chloroform	2/7/2017	2/10/2017	3	14	OK
MW-25	Benzene	2/7/2017	2/10/2017	3	14	OK
MW-25	Chloromethane	2/7/2017	2/10/2017	3	14	OK
MW-25	Iron	2/7/2017	2/21/2017	14	180	OK
MW-25	Lead	2/7/2017	2/21/2017	14	180	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-25	Magnesium	2/7/2017	2/20/2017	13	180	OK
MW-25	Manganese	2/7/2017	2/21/2017	14	180	OK
MW-25	Mercury	2/7/2017	2/16/2017	9	180	OK
MW-25	Molybdenum	2/7/2017	2/21/2017	14	180	OK
MW-25	Nickel	2/7/2017	2/21/2017	14	180	OK
MW-25	Potassium	2/7/2017	2/21/2017	14	180	OK
MW-25	Silver	2/7/2017	2/21/2017	14	180	OK
MW-25	Sodium	2/7/2017	2/20/2017	13	180	OK
MW-25	Thallium	2/7/2017	2/21/2017	14	180	OK
MW-25	Tin	2/7/2017	2/21/2017	14	180	OK
MW-25	Arsenic	2/7/2017	2/21/2017	14	180	OK
MW-25	Beryllium	2/7/2017	2/21/2017	14	180	OK
MW-25	Cadmium	2/7/2017	2/21/2017	14	180	OK
MW-25	Chromium	2/7/2017	2/21/2017	14	180	OK
MW-25	Cobalt	2/7/2017	2/21/2017	14	180	OK
MW-25	Copper	2/7/2017	2/21/2017	14	180	OK
MW-25	Uranium	2/7/2017	2/21/2017	14	180	OK
MW-25	Vanadium	2/7/2017	2/21/2017	14	180	OK
MW-25	Zinc	2/7/2017	2/21/2017	14	180	OK
MW-25	Calcium	2/7/2017	2/20/2017	13	180	OK
MW-25	Methylene chloride	2/7/2017	2/10/2017	3	14	OK
MW-25	Ammonia (as N)	2/7/2017	2/16/2017	9	28	OK
MW-25	Selenium	2/7/2017	2/21/2017	14	180	OK
MW-25	2-Butanone	2/7/2017	2/10/2017	3	14	OK
MW-25	Naphthalene	2/7/2017	2/10/2017	3	14	OK
MW-25	Bicarbonate (as CaCO3)	2/7/2017	2/13/2017	6	14	OK
MW-25	Carbonate (as CaCO3)	2/7/2017	2/13/2017	6	14	OK
MW-25	Nitrate/Nitrite (as N)	2/7/2017	2/13/2017	6	28	OK
MW-25	Total Dissolved Solids	2/7/2017	2/10/2017	3	7	OK
MW-26	Toluene	2/9/2017	2/10/2017	1	14	OK
MW-26	Tetrahydrofuran	2/9/2017	2/10/2017	1	14	OK
MW-26	Xylenes, Total	2/9/2017	2/10/2017	1	14	OK
MW-26	Sulfate	2/9/2017	2/17/2017	8	28	OK
MW-26	Chloride	2/9/2017	2/17/2017	8	28	OK
MW-26	Fluoride	2/9/2017	2/18/2017	9	28	OK
MW-26	Carbon tetrachloride	2/9/2017	2/10/2017	1	14	OK
MW-26	Acetone	2/9/2017	2/10/2017	1	14	OK
MW-26	Chloroform	2/9/2017	2/13/2017	4	14	OK
MW-26	Benzene	2/9/2017	2/10/2017	1	14	OK
MW-26	Chloromethane	2/9/2017	2/10/2017	1	14	OK
MW-26	Iron	2/9/2017	2/21/2017	12	180	OK
MW-26	Lead	2/9/2017	2/21/2017	12	180	OK
MW-26	Magnesium	2/9/2017	2/20/2017	11	180	OK
MW-26	Manganese	2/9/2017	2/21/2017	12	180	OK
MW-26	Mercury	2/9/2017	2/16/2017	7	180	OK
MW-26	Molybdenum	2/9/2017	2/21/2017	12	180	OK
MW-26	Nickel	2/9/2017	2/21/2017	12	180	OK
MW-26	Potassium	2/9/2017	2/21/2017	12	180	OK
MW-26	Silver	2/9/2017	2/21/2017	12	180	OK
MW-26	Sodium	2/9/2017	2/20/2017	11	180	OK
MW-26	Thallium	2/9/2017	2/21/2017	12	180	OK
MW-26	Tin	2/9/2017	2/21/2017	12	180	OK
MW-26	Arsenic	2/9/2017	2/21/2017	12	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-26	Beryllium	2/9/2017	2/21/2017	12	180	OK
MW-26	Cadmium	2/9/2017	2/21/2017	12	180	OK
MW-26	Chromium	2/9/2017	2/21/2017	12	180	OK
MW-26	Cobalt	2/9/2017	2/21/2017	12	180	OK
MW-26	Copper	2/9/2017	2/21/2017	12	180	OK
MW-26	Uranium	2/9/2017	2/21/2017	12	180	OK
MW-26	Vanadium	2/9/2017	2/21/2017	12	180	OK
MW-26	Zinc	2/9/2017	2/21/2017	12	180	OK
MW-26	Calcium	2/9/2017	2/20/2017	11	180	OK
MW-26	Methylene chloride	2/9/2017	2/10/2017	1	14	OK
MW-26	Ammonia (as N)	2/9/2017	2/16/2017	7	28	OK
MW-26	Selenium	2/9/2017	2/21/2017	12	180	OK
MW-26	2-Butanone	2/9/2017	2/10/2017	1	14	OK
MW-26	Naphthalene	2/9/2017	2/10/2017	1	14	OK
MW-26	Bicarbonate (as CaCO3)	2/9/2017	2/13/2017	4	14	OK
MW-26	Carbonate (as CaCO3)	2/9/2017	2/13/2017	4	14	OK
MW-26	Nitrate/Nitrite (as N)	2/9/2017	2/13/2017	4	28	OK
MW-26	Total Dissolved Solids	2/9/2017	2/10/2017	1	7	OK
MW-26	Gross Radium Alpha	2/9/2017	3/6/2017	25	180	OK
MW-27	Chloride	1/24/2017	1/30/2017	6	28	OK
MW-27	Nitrate/Nitrite (as N)	1/24/2017	1/31/2017	7	28	OK
MW-27	Total Dissolved Solids	1/24/2017	1/30/2017	6	7	OK
MW-28	Chloride	1/25/2017	1/30/2017	5	28	OK
MW-28	Cadmium	1/25/2017	1/30/2017	5	180	OK
MW-28	Uranium	1/25/2017	1/30/2017	5	180	OK
MW-28	Vanadium	1/25/2017	1/31/2017	6	180	OK
MW-29	Sulfate	1/26/2017	1/31/2017	5	28	OK
MW-29	Total Dissolved Solids	1/26/2017	1/30/2017	4	7	OK
MW-30	Gross Radium Alpha	2/2/2017	2/11/2017	9	180	OK
MW-30	Toluene	2/2/2017	2/6/2017	4	14	OK
MW-30	Tetrahydrofuran	2/2/2017	2/6/2017	4	14	OK
MW-30	Xylenes, Total	2/2/2017	2/6/2017	4	14	OK
MW-30	Sulfate	2/2/2017	2/13/2017	11	28	OK
MW-30	Chloride	2/2/2017	2/13/2017	11	28	OK
MW-30	Fluoride	2/2/2017	2/13/2017	11	28	OK
MW-30	Carbon tetrachloride	2/2/2017	2/6/2017	4	14	OK
MW-30	Acetone	2/2/2017	2/6/2017	4	14	OK
MW-30	Chloroform	2/2/2017	2/6/2017	4	14	OK
MW-30	Benzene	2/2/2017	2/6/2017	4	14	OK
MW-30	Chloromethane	2/2/2017	2/6/2017	4	14	OK
MW-30	Iron	2/2/2017	2/7/2017	5	180	OK
MW-30	Lead	2/2/2017	2/7/2017	5	180	OK
MW-30	Magnesium	2/2/2017	2/15/2017	13	180	OK
MW-30	Manganese	2/2/2017	2/7/2017	5	180	OK
MW-30	Mercury	2/2/2017	2/10/2017	8	180	OK
MW-30	Molybdenum	2/2/2017	2/7/2017	5	180	OK
MW-30	Nickel	2/2/2017	2/7/2017	5	180	OK
MW-30	Potassium	2/2/2017	2/15/2017	13	180	OK
MW-30	Silver	2/2/2017	2/7/2017	5	180	OK
MW-30	Sodium	2/2/2017	2/15/2017	13	180	OK
MW-30	Thallium	2/2/2017	2/7/2017	5	180	OK
MW-30	Tin	2/2/2017	2/7/2017	5	180	OK
MW-30	Arsenic	2/2/2017	2/7/2017	5	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-30	Beryllium	2/2/2017	2/7/2017	5	180	OK
MW-30	Cadmium	2/2/2017	2/7/2017	5	180	OK
MW-30	Chromium	2/2/2017	2/7/2017	5	180	OK
MW-30	Cobalt	2/2/2017	2/7/2017	5	180	OK
MW-30	Copper	2/2/2017	2/7/2017	5	180	OK
MW-30	Uranium	2/2/2017	2/7/2017	5	180	OK
MW-30	Vanadium	2/2/2017	2/15/2017	13	180	OK
MW-30	Zinc	2/2/2017	2/7/2017	5	180	OK
MW-30	Calcium	2/2/2017	2/15/2017	13	180	OK
MW-30	Methylene chloride	2/2/2017	2/6/2017	4	14	OK
MW-30	Ammonia (as N)	2/2/2017	2/16/2017	14	28	OK
MW-30	Selenium	2/2/2017	2/7/2017	5	180	OK
MW-30	2-Butanone	2/2/2017	2/6/2017	4	14	OK
MW-30	Naphthalene	2/2/2017	2/6/2017	4	14	OK
MW-30	Bicarbonate (as CaCO3)	2/2/2017	2/7/2017	5	14	OK
MW-30	Carbonate (as CaCO3)	2/2/2017	2/7/2017	5	14	OK
MW-30	Nitrate/Nitrite (as N)	2/2/2017	2/8/2017	6	28	OK
MW-30	Total Dissolved Solids	2/2/2017	2/6/2017	4	7	OK
MW-31	Gross Radium Alpha	2/7/2017	3/6/2017	27	180	OK
MW-31	Toluene	2/7/2017	2/10/2017	3	14	OK
MW-31	Tetrahydrofuran	2/7/2017	2/10/2017	3	14	OK
MW-31	Xylenes, Total	2/7/2017	2/10/2017	3	14	OK
MW-31	Sulfate	2/7/2017	2/17/2017	10	28	OK
MW-31	Chloride	2/7/2017	2/17/2017	10	28	OK
MW-31	Fluoride	2/7/2017	2/18/2017	11	28	OK
MW-31	Carbon tetrachloride	2/7/2017	2/10/2017	3	14	OK
MW-31	Acetone	2/7/2017	2/10/2017	3	14	OK
MW-31	Chloroform	2/7/2017	2/10/2017	3	14	OK
MW-31	Benzene	2/7/2017	2/10/2017	3	14	OK
MW-31	Chloromethane	2/7/2017	2/10/2017	3	14	OK
MW-31	Iron	2/7/2017	2/21/2017	14	180	OK
MW-31	Lead	2/7/2017	2/21/2017	14	180	OK
MW-31	Magnesium	2/7/2017	2/20/2017	13	180	OK
MW-31	Manganese	2/7/2017	2/21/2017	14	180	OK
MW-31	Mercury	2/7/2017	2/16/2017	9	180	OK
MW-31	Molybdenum	2/7/2017	2/21/2017	14	180	OK
MW-31	Nickel	2/7/2017	2/21/2017	14	180	OK
MW-31	Potassium	2/7/2017	2/21/2017	14	180	OK
MW-31	Silver	2/7/2017	2/21/2017	14	180	OK
MW-31	Sodium	2/7/2017	2/20/2017	13	180	OK
MW-31	Thallium	2/7/2017	2/21/2017	14	180	OK
MW-31	Tin	2/7/2017	2/21/2017	14	180	OK
MW-31	Arsenic	2/7/2017	2/21/2017	14	180	OK
MW-31	Beryllium	2/7/2017	2/21/2017	14	180	OK
MW-31	Cadmium	2/7/2017	2/21/2017	14	180	OK
MW-31	Chromium	2/7/2017	2/21/2017	14	180	OK
MW-31	Cobalt	2/7/2017	2/21/2017	14	180	OK
MW-31	Copper	2/7/2017	2/21/2017	14	180	OK
MW-31	Uranium	2/7/2017	2/21/2017	14	180	OK
MW-31	Vanadium	2/7/2017	2/21/2017	14	180	OK
MW-31	Zinc	2/7/2017	2/21/2017	14	180	OK
MW-31	Calcium	2/7/2017	2/20/2017	13	180	OK
MW-31	Methylene chloride	2/7/2017	2/10/2017	3	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-31	Ammonia (as N)	2/7/2017	3/1/2017	22	28	OK
MW-31	Selenium	2/7/2017	2/21/2017	14	180	OK
MW-31	2-Butanone	2/7/2017	2/10/2017	3	14	OK
MW-31	Naphthalene	2/7/2017	2/10/2017	3	14	OK
MW-31	Bicarbonate (as CaCO3)	2/7/2017	2/13/2017	6	14	OK
MW-31	Carbonate (as CaCO3)	2/7/2017	2/13/2017	6	14	OK
MW-31	Nitrate/Nitrite (as N)	2/7/2017	2/13/2017	6	28	OK
MW-31	Total Dissolved Solids	2/7/2017	2/10/2017	3	7	OK
MW-32	Sulfate	2/1/2017	2/13/2017	12	28	OK
MW-32	Chloride	2/1/2017	2/13/2017	12	28	OK
MW-35	Gross Radium Alpha	2/7/2017	3/6/2017	27	180	OK
MW-35	Toluene	2/7/2017	2/10/2017	3	14	OK
MW-35	Tetrahydrofuran	2/7/2017	2/10/2017	3	14	OK
MW-35	Xylenes, Total	2/7/2017	2/10/2017	3	14	OK
MW-35	Sulfate	2/7/2017	2/17/2017	10	28	OK
MW-35	Chloride	2/7/2017	2/17/2017	10	28	OK
MW-35	Fluoride	2/7/2017	2/18/2017	11	28	OK
MW-35	Carbon tetrachloride	2/7/2017	2/10/2017	3	14	OK
MW-35	Acetone	2/7/2017	2/10/2017	3	14	OK
MW-35	Chloroform	2/7/2017	2/10/2017	3	14	OK
MW-35	Benzene	2/7/2017	2/10/2017	3	14	OK
MW-35	Chloromethane	2/7/2017	2/10/2017	3	14	OK
MW-35	Iron	2/7/2017	2/21/2017	14	180	OK
MW-35	Lead	2/7/2017	2/21/2017	14	180	OK
MW-35	Magnesium	2/7/2017	2/20/2017	13	180	OK
MW-35	Manganese	2/7/2017	2/21/2017	14	180	OK
MW-35	Mercury	2/7/2017	2/16/2017	9	180	OK
MW-35	Molybdenum	2/7/2017	2/21/2017	14	180	OK
MW-35	Nickel	2/7/2017	2/21/2017	14	180	OK
MW-35	Potassium	2/7/2017	2/21/2017	14	180	OK
MW-35	Silver	2/7/2017	2/21/2017	14	180	OK
MW-35	Sodium	2/7/2017	2/20/2017	13	180	OK
MW-35	Thallium	2/7/2017	2/21/2017	14	180	OK
MW-35	Tin	2/7/2017	2/21/2017	14	180	OK
MW-35	Arsenic	2/7/2017	2/21/2017	14	180	OK
MW-35	Beryllium	2/7/2017	2/21/2017	14	180	OK
MW-35	Cadmium	2/7/2017	2/21/2017	14	180	OK
MW-35	Chromium	2/7/2017	2/21/2017	14	180	OK
MW-35	Cobalt	2/7/2017	2/21/2017	14	180	OK
MW-35	Copper	2/7/2017	2/21/2017	14	180	OK
MW-35	Uranium	2/7/2017	2/21/2017	14	180	OK
MW-35	Vanadium	2/7/2017	2/21/2017	14	180	OK
MW-35	Zinc	2/7/2017	2/21/2017	14	180	OK
MW-35	Calcium	2/7/2017	2/20/2017	13	180	OK
MW-35	Methylene chloride	2/7/2017	2/10/2017	3	14	OK
MW-35	Ammonia (as N)	2/7/2017	2/16/2017	9	28	OK
MW-35	Selenium	2/7/2017	2/21/2017	14	180	OK
MW-35	2-Butanone	2/7/2017	2/10/2017	3	14	OK
MW-35	Naphthalene	2/7/2017	2/10/2017	3	14	OK
MW-35	Bicarbonate (as CaCO3)	2/7/2017	2/13/2017	6	14	OK
MW-35	Carbonate (as CaCO3)	2/7/2017	2/13/2017	6	14	OK
MW-35	Nitrate/Nitrite (as N)	2/7/2017	2/13/2017	6	28	OK
MW-35	Total Dissolved Solids	2/7/2017	2/10/2017	3	7	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	Gross Radium Alpha	1/24/2017	2/11/2017	18	180	OK
MW-36	Toluene	1/24/2017	1/27/2017	3	14	OK
MW-36	Tetrahydrofuran	1/24/2017	1/27/2017	3	14	OK
MW-36	Xylenes, Total	1/24/2017	1/27/2017	3	14	OK
MW-36	Sulfate	1/24/2017	1/31/2017	7	28	OK
MW-36	Chloride	1/24/2017	1/30/2017	6	28	OK
MW-36	Fluoride	1/24/2017	1/30/2017	6	28	OK
MW-36	Carbon tetrachloride	1/24/2017	1/27/2017	3	14	OK
MW-36	Acetone	1/24/2017	1/27/2017	3	14	OK
MW-36	Chloroform	1/24/2017	1/27/2017	3	14	OK
MW-36	Benzene	1/24/2017	1/27/2017	3	14	OK
MW-36	Chloromethane	1/24/2017	1/27/2017	3	14	OK
MW-36	Iron	1/24/2017	1/30/2017	6	180	OK
MW-36	Lead	1/24/2017	1/30/2017	6	180	OK
MW-36	Magnesium	1/24/2017	2/7/2017	14	180	OK
MW-36	Manganese	1/24/2017	1/30/2017	6	180	OK
MW-36	Mercury	1/24/2017	1/31/2017	7	180	OK
MW-36	Molybdenum	1/24/2017	1/30/2017	6	180	OK
MW-36	Nickel	1/24/2017	1/30/2017	6	180	OK
MW-36	Potassium	1/24/2017	2/7/2017	14	180	OK
MW-36	Silver	1/24/2017	1/30/2017	6	180	OK
MW-36	Sodium	1/24/2017	2/7/2017	14	180	OK
MW-36	Thallium	1/24/2017	1/30/2017	6	180	OK
MW-36	Tin	1/24/2017	1/30/2017	6	180	OK
MW-36	Arsenic	1/24/2017	1/30/2017	6	180	OK
MW-36	Beryllium	1/24/2017	1/30/2017	6	180	OK
MW-36	Cadmium	1/24/2017	1/30/2017	6	180	OK
MW-36	Chromium	1/24/2017	1/30/2017	6	180	OK
MW-36	Cobalt	1/24/2017	1/30/2017	6	180	OK
MW-36	Copper	1/24/2017	1/30/2017	6	180	OK
MW-36	Uranium	1/24/2017	1/30/2017	6	180	OK
MW-36	Vanadium	1/24/2017	2/7/2017	14	180	OK
MW-36	Zinc	1/24/2017	1/30/2017	6	180	OK
MW-36	Calcium	1/24/2017	2/7/2017	14	180	OK
MW-36	Methylene chloride	1/24/2017	1/27/2017	3	14	OK
MW-36	Ammonia (as N)	1/24/2017	1/31/2017	7	28	OK
MW-36	Selenium	1/24/2017	1/30/2017	6	180	OK
MW-36	2-Butanone	1/24/2017	1/27/2017	3	14	OK
MW-36	Naphthalene	1/24/2017	1/27/2017	3	14	OK
MW-36	Bicarbonate (as CaCO3)	1/24/2017	1/30/2017	6	14	OK
MW-36	Carbonate (as CaCO3)	1/24/2017	1/30/2017	6	14	OK
MW-36	Nitrate/Nitrite (as N)	1/24/2017	1/31/2017	7	28	OK
MW-36	Total Dissolved Solids	1/24/2017	1/30/2017	6	7	OK
MW-37	Gross Radium Alpha	3/7/2017	3/28/2017	21	180	OK
MW-37	Toluene	3/7/2017	3/13/2017	6	14	OK
MW-37	Tetrahydrofuran	3/7/2017	3/13/2017	6	14	OK
MW-37	Xylenes, Total	3/7/2017	3/13/2017	6	14	OK
MW-37	Sulfate	3/7/2017	3/22/2017	15	28	OK
MW-37	Chloride	3/7/2017	3/22/2017	15	28	OK
MW-37	Fluoride	3/7/2017	3/22/2017	15	28	OK
MW-37	Carbon tetrachloride	3/7/2017	3/13/2017	6	14	OK
MW-37	Acetone	3/7/2017	3/13/2017	6	14	OK
MW-37	Chloroform	3/7/2017	3/13/2017	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-37	Benzene	3/7/2017	3/13/2017	6	14	OK
MW-37	Chloromethane	3/7/2017	3/13/2017	6	14	OK
MW-37	Iron	3/7/2017	3/13/2017	6	180	OK
MW-37	Lead	3/7/2017	3/13/2017	6	180	OK
MW-37	Magnesium	3/7/2017	3/21/2017	14	180	OK
MW-37	Manganese	3/7/2017	3/13/2017	6	180	OK
MW-37	Mercury	3/7/2017	3/20/2017	13	180	OK
MW-37	Molybdenum	3/7/2017	3/13/2017	6	180	OK
MW-37	Nickel	3/7/2017	3/13/2017	6	180	OK
MW-37	Potassium	3/7/2017	3/21/2017	14	180	OK
MW-37	Silver	3/7/2017	3/13/2017	6	180	OK
MW-37	Sodium	3/7/2017	3/21/2017	14	180	OK
MW-37	Thallium	3/7/2017	3/13/2017	6	180	OK
MW-37	Tin	3/7/2017	3/13/2017	6	180	OK
MW-37	Arsenic	3/7/2017	3/13/2017	6	180	OK
MW-37	Beryllium	3/7/2017	3/14/2017	7	180	OK
MW-37	Cadmium	3/7/2017	3/13/2017	6	180	OK
MW-37	Chromium	3/7/2017	3/13/2017	6	180	OK
MW-37	Cobalt	3/7/2017	3/13/2017	6	180	OK
MW-37	Copper	3/7/2017	3/13/2017	6	180	OK
MW-37	Uranium	3/7/2017	3/13/2017	6	180	OK
MW-37	Vanadium	3/7/2017	3/21/2017	14	180	OK
MW-37	Zinc	3/7/2017	3/13/2017	6	180	OK
MW-37	Calcium	3/7/2017	3/21/2017	14	180	OK
MW-37	Methylene chloride	3/7/2017	3/13/2017	6	14	OK
MW-37	Ammonia (as N)	3/7/2017	3/10/2017	3	28	OK
MW-37	Selenium	3/7/2017	3/13/2017	6	180	OK
MW-37	2-Butanone	3/7/2017	3/13/2017	6	14	OK
MW-37	Naphthalene	3/7/2017	3/13/2017	6	14	OK
MW-37	Bicarbonate (as CaCO3)	3/7/2017	3/13/2017	6	14	OK
MW-37	Carbonate (as CaCO3)	3/7/2017	3/13/2017	6	14	OK
MW-37	Nitrate/Nitrite (as N)	3/7/2017	3/10/2017	3	28	OK
MW-37	Total Dissolved Solids	3/7/2017	3/10/2017	3	7	OK
MW-65	Gross Radium Alpha	2/2/2017	2/11/2017	9	180	OK
MW-65	Toluene	2/2/2017	2/6/2017	4	14	OK
MW-65	Tetrahydrofuran	2/2/2017	2/6/2017	4	14	OK
MW-65	Xylenes, Total	2/2/2017	2/6/2017	4	14	OK
MW-65	Sulfate	2/2/2017	2/16/2017	14	28	OK
MW-65	Chloride	2/2/2017	2/13/2017	11	28	OK
MW-65	Fluoride	2/2/2017	2/13/2017	11	28	OK
MW-65	Carbon tetrachloride	2/2/2017	2/6/2017	4	14	OK
MW-65	Acetone	2/2/2017	2/6/2017	4	14	OK
MW-65	Chloroform	2/2/2017	2/6/2017	4	14	OK
MW-65	Benzene	2/2/2017	2/6/2017	4	14	OK
MW-65	Chloromethane	2/2/2017	2/6/2017	4	14	OK
MW-65	Iron	2/2/2017	2/7/2017	5	180	OK
MW-65	Lead	2/2/2017	2/7/2017	5	180	OK
MW-65	Magnesium	2/2/2017	2/15/2017	13	180	OK
MW-65	Manganese	2/2/2017	2/7/2017	5	180	OK
MW-65	Mercury	2/2/2017	2/10/2017	8	180	OK
MW-65	Molybdenum	2/2/2017	2/7/2017	5	180	OK
MW-65	Nickel	2/2/2017	2/7/2017	5	180	OK
MW-65	Potassium	2/2/2017	2/15/2017	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-65	Silver	2/2/2017	2/7/2017	5	180	OK
MW-65	Sodium	2/2/2017	2/15/2017	13	180	OK
MW-65	Thallium	2/2/2017	2/7/2017	5	180	OK
MW-65	Tin	2/2/2017	2/7/2017	5	180	OK
MW-65	Arsenic	2/2/2017	2/7/2017	5	180	OK
MW-65	Beryllium	2/2/2017	2/7/2017	5	180	OK
MW-65	Cadmium	2/2/2017	2/7/2017	5	180	OK
MW-65	Chromium	2/2/2017	2/7/2017	5	180	OK
MW-65	Cobalt	2/2/2017	2/7/2017	5	180	OK
MW-65	Copper	2/2/2017	2/7/2017	5	180	OK
MW-65	Uranium	2/2/2017	2/7/2017	5	180	OK
MW-65	Vanadium	2/2/2017	2/15/2017	13	180	OK
MW-65	Zinc	2/2/2017	2/7/2017	5	180	OK
MW-65	Calcium	2/2/2017	2/15/2017	13	180	OK
MW-65	Methylene chloride	2/2/2017	2/6/2017	4	14	OK
MW-65	Ammonia (as N)	2/2/2017	2/7/2017	5	28	OK
MW-65	Selenium	2/2/2017	2/7/2017	5	180	OK
MW-65	2-Butanone	2/2/2017	2/6/2017	4	14	OK
MW-65	Naphthalene	2/2/2017	2/6/2017	4	14	OK
MW-65	Bicarbonate (as CaCO3)	2/2/2017	2/7/2017	5	14	OK
MW-65	Carbonate (as CaCO3)	2/2/2017	2/7/2017	5	14	OK
MW-65	Nitrate/Nitrite (as N)	2/2/2017	2/8/2017	6	28	OK
MW-65	Total Dissolved Solids	2/2/2017	2/6/2017	4	7	OK
MW-70	Gross Radium Alpha	2/8/2017	3/6/2017	26	180	OK
MW-70	Toluene	2/8/2017	2/10/2017	2	14	OK
MW-70	Tetrahydrofuran	2/8/2017	2/10/2017	2	14	OK
MW-70	Xylenes, Total	2/8/2017	2/10/2017	2	14	OK
MW-70	Sulfate	2/8/2017	2/22/2017	14	28	OK
MW-70	Chloride	2/8/2017	2/17/2017	9	28	OK
MW-70	Fluoride	2/8/2017	2/18/2017	10	28	OK
MW-70	Carbon tetrachloride	2/8/2017	2/10/2017	2	14	OK
MW-70	Acetone	2/8/2017	2/10/2017	2	14	OK
MW-70	Chloroform	2/8/2017	2/10/2017	2	14	OK
MW-70	Benzene	2/8/2017	2/10/2017	2	14	OK
MW-70	Chloromethane	2/8/2017	2/10/2017	2	14	OK
MW-70	Iron	2/8/2017	2/21/2017	13	180	OK
MW-70	Lead	2/8/2017	2/21/2017	13	180	OK
MW-70	Magnesium	2/8/2017	2/21/2017	13	180	OK
MW-70	Manganese	2/8/2017	2/21/2017	13	180	OK
MW-70	Mercury	2/8/2017	2/16/2017	8	180	OK
MW-70	Molybdenum	2/8/2017	2/21/2017	13	180	OK
MW-70	Nickel	2/8/2017	2/21/2017	13	180	OK
MW-70	Potassium	2/8/2017	2/21/2017	13	180	OK
MW-70	Silver	2/8/2017	2/21/2017	13	180	OK
MW-70	Sodium	2/8/2017	2/20/2017	12	180	OK
MW-70	Thallium	2/8/2017	2/21/2017	13	180	OK
MW-70	Tin	2/8/2017	2/21/2017	13	180	OK
MW-70	Arsenic	2/8/2017	2/21/2017	13	180	OK
MW-70	Beryllium	2/8/2017	2/21/2017	13	180	OK
MW-70	Cadmium	2/8/2017	2/21/2017	13	180	OK
MW-70	Chromium	2/8/2017	2/21/2017	13	180	OK
MW-70	Cobalt	2/8/2017	2/21/2017	13	180	OK
MW-70	Copper	2/8/2017	2/21/2017	13	180	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-70	Uranium	2/8/2017	2/21/2017	13	180	OK
MW-70	Vanadium	2/8/2017	2/21/2017	13	180	OK
MW-70	Zinc	2/8/2017	2/21/2017	13	180	OK
MW-70	Calcium	2/8/2017	2/20/2017	12	180	OK
MW-70	Methylene chloride	2/8/2017	2/10/2017	2	14	OK
MW-70	Ammonia (as N)	2/8/2017	2/16/2017	8	28	OK
MW-70	Selenium	2/8/2017	2/21/2017	13	180	OK
MW-70	2-Butanone	2/8/2017	2/10/2017	2	14	OK
MW-70	Naphthalene	2/8/2017	2/10/2017	2	14	OK
MW-70	Bicarbonate (as CaCO3)	2/8/2017	2/13/2017	5	14	OK
MW-70	Carbonate (as CaCO3)	2/8/2017	2/13/2017	5	14	OK
MW-70	Nitrate/Nitrite (as N)	2/8/2017	2/13/2017	5	28	OK
MW-70	Total Dissolved Solids	2/8/2017	2/10/2017	2	7	OK

G-2B: Accelerated Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
Trip Blank	Chloroform	1/19/2017	1/20/2017	1	14	OK
Trip Blank	Methylene chloride	1/19/2017	1/20/2017	1	14	OK
Trip Blank	Chloroform	3/7/2017	3/13/2017	6	14	OK
Trip Blank	Methylene chloride	3/7/2017	3/13/2017	6	14	OK
MW-11	Manganese	1/18/2017	1/23/2017	5	180	OK
MW-11	Manganese	3/6/2017	3/13/2017	7	180	OK
MW-25	Cadmium	1/17/2017	1/23/2017	6	180	OK
MW-25	Uranium	1/17/2017	1/23/2017	6	180	OK
MW-25	Cadmium	3/7/2017	3/13/2017	6	180	OK
MW-25	Uranium	3/7/2017	3/13/2017	6	180	OK
MW-26	Chloride	1/19/2017	1/25/2017	6	28	OK
MW-26	Chloroform	1/19/2017	1/20/2017	1	14	OK
MW-26	Uranium	1/19/2017	1/23/2017	4	180	OK
MW-26	Methylene chloride	1/19/2017	1/20/2017	1	14	OK
MW-26	Nitrate/Nitrite (as N)	1/19/2017	1/20/2017	1	28	OK
MW-26	Chloride	3/7/2017	3/10/2017	3	28	OK
MW-26	Chloroform	3/7/2017	3/13/2017	6	14	OK
MW-26	Uranium	3/7/2017	3/14/2017	7	180	OK
MW-26	Methylene chloride	3/7/2017	3/13/2017	6	14	OK
MW-26	Nitrate/Nitrite (as N)	3/7/2017	3/10/2017	3	28	OK
MW-30	Chloride	1/18/2017	1/25/2017	7	28	OK
MW-30	Fluoride	1/18/2017	1/25/2017	7	27	OK
MW-30	Uranium	1/18/2017	1/23/2017	5	180	OK
MW-30	Selenium	1/18/2017	1/23/2017	5	180	OK
MW-30	Nitrate/Nitrite (as N)	1/18/2017	1/20/2017	2	28	OK
MW-30	Chloride	3/7/2017	3/10/2017	3	28	OK
MW-30	Fluoride	3/7/2017	3/10/2017	3	27	OK
MW-30	Uranium	3/7/2017	3/13/2017	6	180	OK
MW-30	Selenium	3/7/2017	3/22/2017	15	180	OK
MW-30	Nitrate/Nitrite (as N)	3/7/2017	3/10/2017	3	28	OK
MW-31	Sulfate	1/17/2017	1/25/2017	8	28	OK
MW-31	Chloride	1/17/2017	1/25/2017	8	28	OK
MW-31	Uranium	1/17/2017	1/23/2017	6	180	OK
MW-31	Selenium	1/17/2017	1/23/2017	6	180	OK
MW-31	Nitrate/Nitrite (as N)	1/17/2017	1/20/2017	3	28	OK
MW-31	Total Dissolved Solids	1/17/2017	1/23/2017	6	7	OK
MW-31	Sulfate	3/6/2017	3/10/2017	4	28	OK
MW-31	Chloride	3/6/2017	3/10/2017	4	28	OK
MW-31	Uranium	3/6/2017	3/13/2017	7	180	OK
MW-31	Selenium	3/6/2017	3/13/2017	7	180	OK
MW-31	Nitrate/Nitrite (as N)	3/6/2017	3/10/2017	4	28	OK
MW-31	Total Dissolved Solids	3/6/2017	3/10/2017	4	7	OK
MW-35	Manganese	1/18/2017	1/23/2017	5	180	OK
MW-35	Uranium	1/18/2017	1/23/2017	5	180	OK
MW-35	Selenium	1/18/2017	1/23/2017	5	180	OK
MW-35	Gross Radium Alpha	1/18/2017	2/11/2017	24	180	OK
MW-35	Gross Radium Alpha	3/6/2017	3/28/2017	22	180	OK
MW-35	Manganese	3/6/2017	3/13/2017	7	180	OK
MW-35	Uranium	3/6/2017	3/13/2017	7	180	OK
MW-35	Selenium	3/6/2017	3/13/2017	7	180	OK
MW-65	Manganese	1/18/2017	1/23/2017	5	180	OK
MW-65	Uranium	1/18/2017	1/23/2017	5	180	OK
MW-65	Selenium	1/18/2017	1/23/2017	5	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	Gross Radium Alpha	1/18/2017	2/11/2017	24	180	OK
MW-65	Chloride	3/7/2017	3/10/2017	3	28	OK
MW-65	Fluoride	3/7/2017	3/10/2017	3	27	OK
MW-65	Uranium	3/7/2017	3/13/2017	6	180	OK
MW-65	Selenium	3/7/2017	3/13/2017	6	180	OK
MW-65	Nitrate/Nitrite (as N)	3/7/2017	3/10/2017	3	28	OK

G-3A: Quarterly Sample Laboratory Receipt Temperature Check

Sample Batch	Wells in Batch	Temperature
GEL 415726	MW-14, MW-30, MW-36, MW-65	NA
GEL 416220	MW-11, MW-25, MW-26, MW-31, MW-35, MW-70	NA
GEL 418259	MW-37	NA
AWAL 1701455	MW-05, MW-12, MW-15, MW-27, MW-28, MW-29, MW-36, Trip Blank	2.1 °C
AWAL 1702073	MW-01, MW-14, MW-18, MW-19, MW-30, MW-32, MW-65, Trip Blank	2.3 °C
AWAL 1702208	MW-03A, MW-11, MW-25, MW-26, MW-31, MW-35, MW-70, Trip Blank	2.9 °C
AWAL 1703182	MW-24, MW-37, Trip Blank	2.4 °C

N/A = These shipments contained samples for the analysis of gross alpha only. Per Table 1 in the approved QAP, samples submitted for gross alpha analyses do not have a sample temperature requirement.

G-4A: Quarterly Sample Analytical Method Check

Parameter	QAP Method	Method Used by Lab
Ammonia (as N)	A4500-NH3 G or E350.1	E350.1
Nitrate + Nitrite (as N)	E353.1 or E353.2	E353.2
Metals	E200.7 or E200.8	E200.7 and E200.8
Gross Alpha	E900.0 or E900.1	E900.1
VOCs	SW8260B or SW8260C	SW8260C
Chloride	A4500-Cl B or A4500-Cl E or E300.0	E300.0
Fluoride	A4500-F C or E300.0	E300.0
Sulfate	A4500-SO4 E or E300.0	E300.0
TDS	A2540 C	A2540 C
Carbonate as CO3, Bicarbonate as HCO3	A2320 B	A2320 B
Mercury	E245.1 or E200.7 or E200.8	E245.1
Calcium, Magnesium, Potassium, Sodium	E200.7	E200.7

G-4B: Accelerated Sample Analytical Method Check

Parameter	QAP Method	Method Used by Lab
Nitrate + Nitrite (as N)	E353.1 or E353.2	E353.2
Metals	E200.7 or E200.8	E200.7 or E200.8
Gross Alpha	E900.0 or E900.1	E900.1
VOCs	SW8260B or SW8260C	SW8260C
Chloride	A4500-Cl B or A4500-Cl E or E300.0	E300.0
Sulfate	A4500-SO4 E or E300.0	E300.0
TDS	A2540 C	A2540 C

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
Trip Blank	Toluene	1	ug/L	U	1	1	OK
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	1	OK
Trip Blank	Xylenes, Total	1	ug/L	U	1	1	OK
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Acetone	20	ug/L	U	1	20	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Benzene	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	2-Butanone	20	ug/L	U	1	20	OK
Trip Blank	Naphthalene	1	ug/L	U	1	1	OK
Trip Blank	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
MW-01	Sulfate	100	mg/L		100	1	OK
MW-01	Chloride	10	mg/L		10	1	OK
MW-03a	Sulfate	1000	mg/L		1000	1	OK
MW-03a	Selenium	5	ug/L		20	5	OK
MW-05	Uranium	0.3	ug/L		2	0.3	OK
MW-11	Gross Radium Alpha	1	pCi/L	U	1	1	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	U	1	1	OK
MW-11	Xylenes, Total	1	ug/L	U	1	1	OK
MW-11	Sulfate	1000	mg/L		1000	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	20	mg/L		20	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	20	mg/L		20	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	20	mg/L		20	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-12	Selenium	5	ug/L		20	5	OK
MW-14	Gross Radium Alpha	0.728	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

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
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	10	mg/L		10	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	1	mg/L		1	0.5	OK
MW-14	Silver	10	ug/L	U	20	10	OK
MW-14	Sodium	10	mg/L		10	0.5	OK
MW-14	Thallium	0.5	ug/L	U	5	0.5	OK
MW-14	Tin	100	ug/L	U	20	100	OK
MW-14	Arsenic	5	ug/L	U	20	5	OK
MW-14	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	10	mg/L		10	0.5	OK
MW-14	Methylene chloride	1	ug/L	U	1	1	OK
MW-14	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-14	Selenium	5	ug/L	U	20	5	OK
MW-14	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	Selenium	5	ug/L		20	5	OK
MW-18	Sulfate	1000	mg/L		1000	1	OK
MW-18	Thallium	0.5	ug/L		5	0.5	OK
MW-18	Total Dissolved Solids	20	MG/L		2	10	OK
MW-19	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-24	Sulfate	1000	mg/L		1000	1	OK
MW-24	Fluoride	0.1	mg/L		1	0.1	OK
MW-24	Thallium	0.5	ug/L		5	0.5	OK
MW-24	Cadmium	0.5	ug/L		20	0.5	OK
MW-25	Gross Radium Alpha	1	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

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
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
MW-25	Magnesium	10	mg/L		10	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	10	mg/L		10	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	10	mg/L		10	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	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	50	ug/L		50	1	OK
MW-26	Benzene	1	ug/L	U	1	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-26	Chloromethane	1	ug/L	U	1	1	OK
MW-26	Iron	30	ug/L		5	30	OK
MW-26	Lead	1	ug/L	U	5	1	OK
MW-26	Magnesium	10	mg/L		10	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	10	mg/L		10	0.5	OK
MW-26	Thallium	0.5	ug/L	U	5	0.5	OK
MW-26	Tin	100	ug/L	U	20	100	OK
MW-26	Arsenic	5	ug/L	U	20	5	OK
MW-26	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	10	mg/L		10	0.5	OK
MW-26	Methylene chloride	1	ug/L		1	1	OK
MW-26	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-26	Selenium	5	ug/L		20	5	OK
MW-26	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-26	Gross Radium Alpha	1	pCi/L	U	1	1	OK
MW-27	Chloride	10	mg/L		10	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	Chloride	20	mg/L		20	1	OK
MW-28	Cadmium	0.5	ug/L		20	0.5	OK
MW-28	Uranium	0.3	ug/L		2	0.3	OK
MW-28	Vanadium	15	ug/L	U	20	15	OK
MW-29	Sulfate	1000	mg/L		1000	1	OK
MW-29	Total Dissolved Solids	20	MG/L		2	10	OK
MW-30	Gross Radium Alpha	1	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

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
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
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	5	mg/L		5	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	Gross Radium Alpha	1	pCi/L		1	1	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

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-31	Lead	1	ug/L	U	5	1	OK
MW-31	Magnesium	10	mg/L		10	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	10	mg/L		10	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
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	10	mg/L		10	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)	0.2	mg/L		20	0.1	OK
MW-31	Total Dissolved Solids	20	MG/L		2	10	OK
MW-32	Sulfate	1000	mg/L		1000	1	OK
MW-32	Chloride	10	mg/L		10	1	OK
MW-35	Gross Radium Alpha	1	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	10	mg/L		10	0.5	OK
MW-35	Manganese	10	ug/L		20	10	OK
MW-35	Mercury	0.5	ug/L	U	1	0.5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-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	10	mg/L		10	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	10	mg/L		10	0.5	OK
MW-35	Methylene chloride	1	ug/L	U	1	1	OK
MW-35	Ammonia (as N)	0.05	mg/L		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	Gross Radium Alpha	1	pCi/L		1	1	OK
MW-36	Toluene	1	ug/L	U	1	1	OK
MW-36	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-36	Xylenes, Total	1	ug/L	U	1	1	OK
MW-36	Sulfate	1000	mg/L		1000	1	OK
MW-36	Chloride	10	mg/L		10	1	OK
MW-36	Fluoride	0.1	mg/L		1	0.1	OK
MW-36	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	20	mg/L		20	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	20	mg/L		20	0.5	OK
MW-36	Thallium	0.5	ug/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-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	20	mg/L		20	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-37	Gross Radium Alpha	1	pCi/L	U	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	20	mg/L		20	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
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	10	mg/L		10	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

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
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	10	mg/L		10	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)	10	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	1	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	1	mg/L		1	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	20	mg/L		20	0.5	OK
MW-65	Manganese	10	ug/L		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	20	mg/L		20	0.5	OK
MW-65	Thallium	0.5	ug/L	U	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		20	0.5	OK
MW-65	Chromium	25	ug/L	U	20	25	OK
MW-65	Cobalt	10	ug/L	U	20	10	OK
MW-65	Copper	10	ug/L	U	20	10	OK
MW-65	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		20	10	OK
MW-65	Calcium	20	mg/L		20	0.5	OK
MW-65	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-65	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-65	Selenium	5	ug/L	U	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	U	10	0.1	OK
MW-65	Total Dissolved Solids	20	MG/L		2	10	OK
MW-70	Gross Radium Alpha	1	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	100	mg/L		100	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	Iron	30	ug/L		5	30	OK
MW-70	Lead	1	ug/L	U	5	1	OK
MW-70	Magnesium	1	mg/L		1	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
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	10	mg/L		10	0.5	OK
MW-70	Methylene chloride	1	ug/L	U	1	1	OK
MW-70	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-70	Selenium	5	ug/L	U	20	5	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

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-70	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-70	Total Dissolved Solids	20	MG/L		2	10	OK

G-5B Accelerated Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
MW-11	Manganese	10	ug/L		20	10	OK
MW-11	Manganese	10	ug/L		20	10	OK
MW-25	Cadmium	0.5	ug/L		20	0.5	OK
MW-25	Uranium	2	ug/L		20	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	50	ug/L		50	1	OK
MW-26	Uranium	2	ug/L		20	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	20	mg/L		20	1	OK
MW-26	Chloroform	50	ug/L		50	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	20	mg/L		20	1	OK
MW-30	Fluoride	0.1	mg/L		1	0.1	OK
MW-30	Uranium	2	ug/L		20	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	Uranium	2	ug/L		20	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-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-35	Manganese	10	ug/L		20	10	OK
MW-35	Uranium	2	ug/L		20	0.3	OK
MW-35	Selenium	5	ug/L		20	5	OK
MW-35	Gross Radium Alpha	1	pCi/L		1	1	OK
MW-35	Manganese	10	ug/L		20	10	OK
MW-35	Uranium	0.3	ug/L		2	0.3	OK
MW-35	Selenium	5	ug/L		20	5	OK
MW-35	Gross Radium Alpha	1	pCi/L		1	1	OK
MW-65	Manganese	10	ug/L		20	10	OK
MW-65	Uranium	2	ug/L		20	0.3	OK
MW-65	Selenium	5	ug/L		20	5	OK
MW-65	Gross Radium Alpha	1	pCi/L		1	1	OK

G-5B Accelerated Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
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: Quarterly Sample Trip Blank Evaluation

All trip blanks for the Quarter were non detect.

Blank	Sample Date	Laboratory
AWAL 1701455	1/24/2017	AWAL
AWAL 1702073	2/2/2017	AWAL
AWAL 1702208	2/7/2017	AWAL
AWAL 1703182	3/7/2017	AWAL

G-6B: Accelerated Sample Trip Blank Evaluation

All trip blanks for the Accelerated samples were non detect.

Blank	Sample Date	Laboratory
AWAL 1701323	1/19/2017	AWAL
AWAL 1703180	3/7/2017	AWAL

G-7A: QA/QC Evaluation for Quarterly Sample Duplicates

Constituent	MW-14 2/2/17	MW-65 2/2/17	%RPD
Ammonia (as N) (mg/L)	0.0704	0.0703	0.14
Bicarbonate as CaCO3 (mg/L)	368	369	0.27
Cadmium	0.00125	0.00128	2.37
Calcium (mg/L)	474	482	1.67
Chloride (mg/L)	17.3	18.9	8.84
Fluoride (mg/L)	0.115	0.109	5.36
Magnesium (mg/L)	146	146	0.00
Manganese (mg/L)	1.83	1.83	0.00
Potassium (mg/L)	12.0	12.3	2.47
Sodium (mg/L)	338	341	0.88
Sulfate (mg/L)	2200	2010	9.03
TDS (mg/L)	3660	3660	0.00
Uranium (mg/L)	0.0565	0.0572	1.23
Zinc	0.0120	0.0120	0.00

* Duplicate checks reported for gross alpha minus RN and U are not %RPD. Calculated values are based on the formula in the approved QAP.

Constituent	MW-11 2/8/17	MW-70 2/8/17	%RPD
Ammonia (as N) (mg/L)	0.738	0.822	10.77
Bicarbonate as HCO3	301	292	3.04
Calcium (mg/L)	71.9	71.9	0.00
Chloride (mg/L)	32	30	4.21
Fluoride (mg/L)	0.422	0.424	0.47
Iron	0.0345	0.034	1.75
Magnesium (mg/L)	22.9	26.4	14.20
Manganese (mg/L)	0.162	0.167	3.04
Potassium (mg/L)	7.56	7.4	2.55
Sodium (mg/L)	608	602	0.99
Sulfate (mg/L)	1050	1240	16.59
TDS (mg/L)	1920	2030	5.57
Uranium (mg/L)	0.00079	0.000807	2.13

* Duplicate checks reported for gross alpha minus RN and U are not %RPD. Calculated values are based on the formula in the approved QAP.

Per the approved QAP, an RPD greater than 20% is acceptable if the reported results are less than 5 times the RL. These results are provided for information only.

G-7B: QA/QC Evaluation for Accelerated Sample Duplicates

Constituent	MW-35 1/18/17	MW-65 1/18/17	%RPD*
Manganese (mg/L)	0.216	0.218	0.92
Selenium (mg/L)	0.00893	0.00978	9.09
Uranium (mg/L)	0.0212	0.0217	2.33
Radiologic RPD Tests			
Gross Alpha minus Rn & U	3.81	4.98	1.56
Gross Alpha minus Rn & U Precision (±)	0.464	0.587	
Constituent	**MW-30 3/7/17**	**MW-65 3/7/17**	**%RPD**
Chloride (mg/L)	147	150	2.02
Fluoride	0.351	0.361	2.81
Nitrate + Nitrite (as N)	18.1	18.2	0.55
Selenium (mg/L)	0.0408	0.0439	7.32
Uranium (mg/L)	0.00789	0.00786	0.38

* Duplicate checks reported for gross alpha minus RN and U are not %RPD. Calculated values are based on the formula in the approved QAP.

G-8A: Quarterly Sample Radiologics Counting Error

Well	Gross Alpha minus Rn & U	Gross Alpha minus Rn and U Precision (+/-)	Counting Error ≤ 20%	GWCL	Within GWCL?
MW-11	1.00 U	0.271	NC	3.75	NC
MW-14	1.00 U	0.237	NC	7.5	NC
MW-25	1.00 U	0.313	NC	7.5	NC
MW-26	1.00 U	0.312	NC	4.69	NC
MW-30	1.00 U	0.279	NC	3.75	NC
MW-31	1.49	0.456	N	7.5	Y
MW-35	3.19	0.512	Y	3.75	Y
MW-36	1.07	0.259	N	--	
MW-37	1.00 U	0.314	NC	--	
MW-65	1.00 U	0.278	NC	7.5	NC
MW-70	1.00 U	0.343	NC	3.75	NC

GWCLs have not been established for MW-20, MW-22, MW-36, and MW-37.

N/A - the counting error is less than 20% of the activity as required by the GWDP. The value is above the GWCL and this check column is not applicable.

NC = Not calculated. The sample results are nondetect and the check is not applicable.

G-8B: Radiologics Counting Error for Accelerated Samples

Well	Sample Date	Gross Alpha minus Rn & U	Gross Alpha minus Rn and U Precision (+/-)	Counting Error ≤ 20%	GWCL	Within GWCL?
MW-35	1/18/2017	3.81	0.464	Y	3.75	N/A
MW-35	3/6/2017	4.13	0.585	Y	3.75	N/A
MW-65	1/18/2017	4.98	0.587	Y	3.75	N/A

N/A - the counting error is less than 20% of the activity as required by the GWDP. The value is above the GWCL and this check column is not applicable.

NC - Not calculated.

G-9A: Quarterly Sample Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD	RPD Range
1701455	MW-36	Sodium*	NC	NC	70-130	NC	20
1701455	MW-36	Calcium*	NC	NC	70-130	NC	20
1701455	MW-36	Nitrate	113	111	90-110	1.75	10
1702073	MW-14	Sodium*	NC	NC	70-130	NC	20
1702073	MW-14	Calcium*	NC	NC	70-130	NC	20
1702073	MW-14	Manganese*	NC	NC	70-130	NC	20
1702073	MW-30	Ammonia as (N)	135	137	90-110	1.18	10
1702073	NA	Ammonia as (N)	137	180	90-110	26.3	10
1702208	MW-11	Sodium*	NC	NC	70-130	NC	20
1702208	MW-11	Calcium*	NC	NC	70-130	NC	20
1702208	MW-11	Silver	68.1	72.8	75-125	6.68	20
1702208	NA	Ammonia as (N)	135	137	90-110	1.18	10
1702208	MW-11	Ammonia as (N)	137	180	90-110	26.3	10
1702208	MW-31	Ammonia as (N)	115	115	90-110	0.174	10
1702208	MW-70	Nitrate	116	110	90-110	2.79	10
1702208	MW-11	Nitrate	113	117	90-110	0.343	10
1703182	MW-37	Calcium*	NC	NC	70-130	NC	20
1703182	MW-37	Magnesium*	NC	NC	70-130	NC	20
1703182	MW-37	Sodium*	NC	NC	70-130	NC	20
1703182	MW-37	Ammonia as (N)	111	111	90-110	0.451	10
1703182	NA	Nitrate	115	112	90-110	2.30	10
416220	MW-31	Gross Alpha	84.8	107	75-125	22.70	20

* Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike amount
NA: QC was not performed on an EFRI sample.

Method Blank Detections

All Method Blanks for the quarter were non-detect.

Laboratory Control Sample

All Laboratory Control Samples were within acceptance limits for the quarter.

Laboratory Duplicate % Recovery Comparison

Lab Report	Well	Analyte	Sample Result (mg/L)	Lab Duplicate Result (mg/L)	RPD %	RPD Range %
1702073	MW-18	Total Dissolved Solids	3220	3060	5.09	5
416220	MW-31	Gross Alpha	1.49 U	0.284	136	100

G-9B: Accelerated Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD %	RPD Range %
1703180 - March Accelerated	MW-26	Nitrate	115	112	90-110	2.3	10

Laboratory Duplicate % Recovery Comparison

All Laboratory Duplicates were within acceptance limits for the quarter.

Method Blank Detections

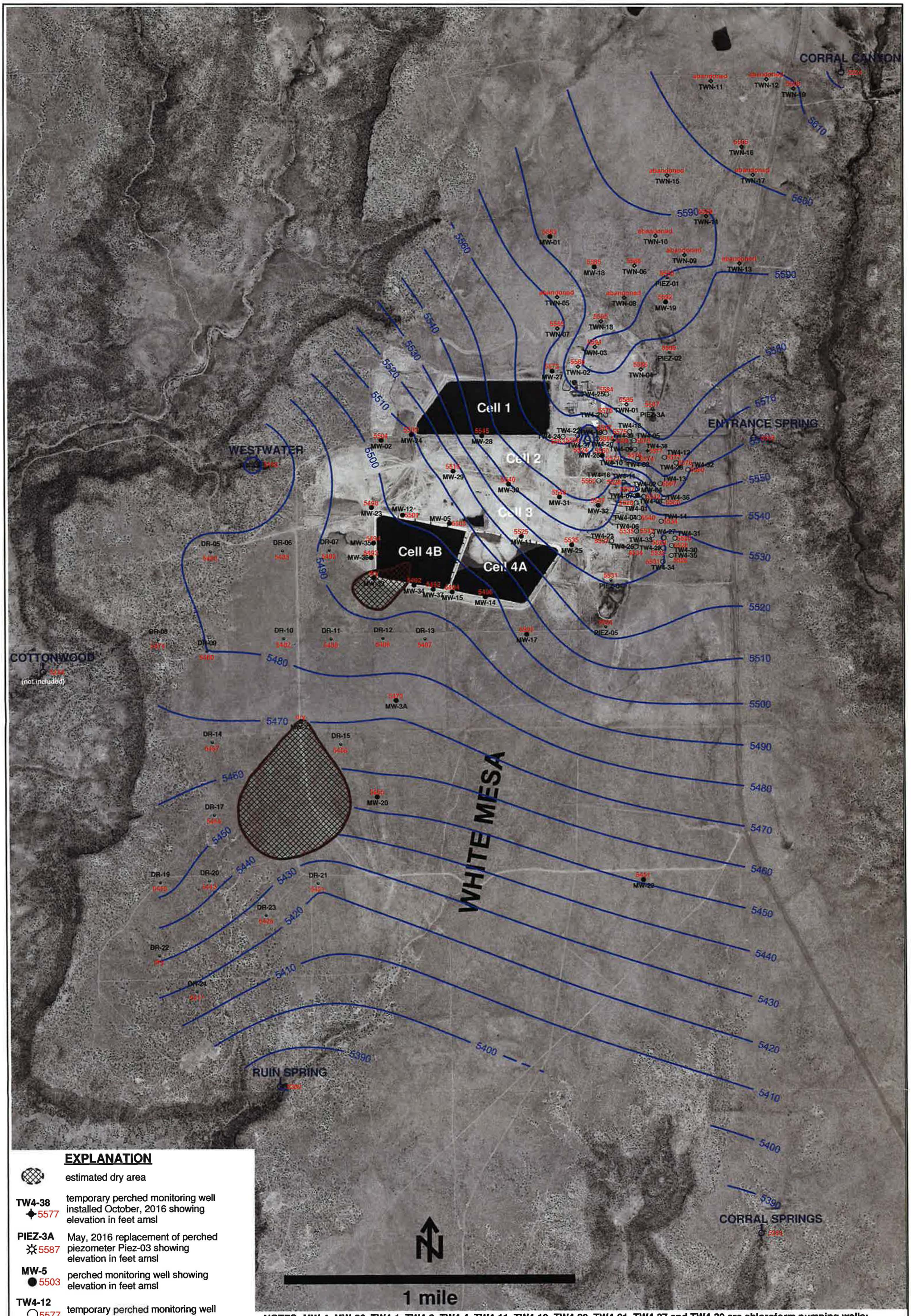
All Method Blanks for the quarter were non-detect.

Laboratory Control Sample

All Laboratory Control Samples were within acceptance limits for the quarter.

Tab H

Kriged Current Quarterly Groundwater Contour Map



EXPLANATION

- estimated dry area
- **TW4-38** ✦5577 — temporary perched monitoring well installed October, 2016 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** ◆5565 — 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

HYDRO GEO CHEM, INC.

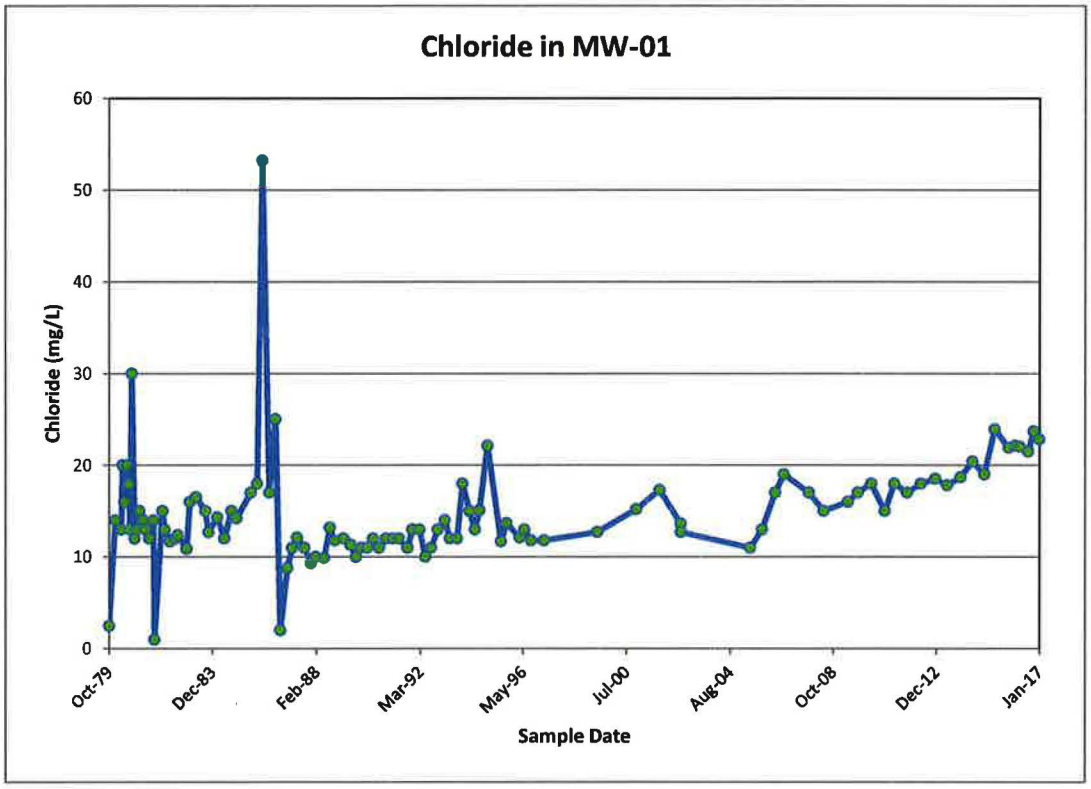
KRIGED 1st QUARTER, 2017 WATER LEVELS WHITE MESA SITE

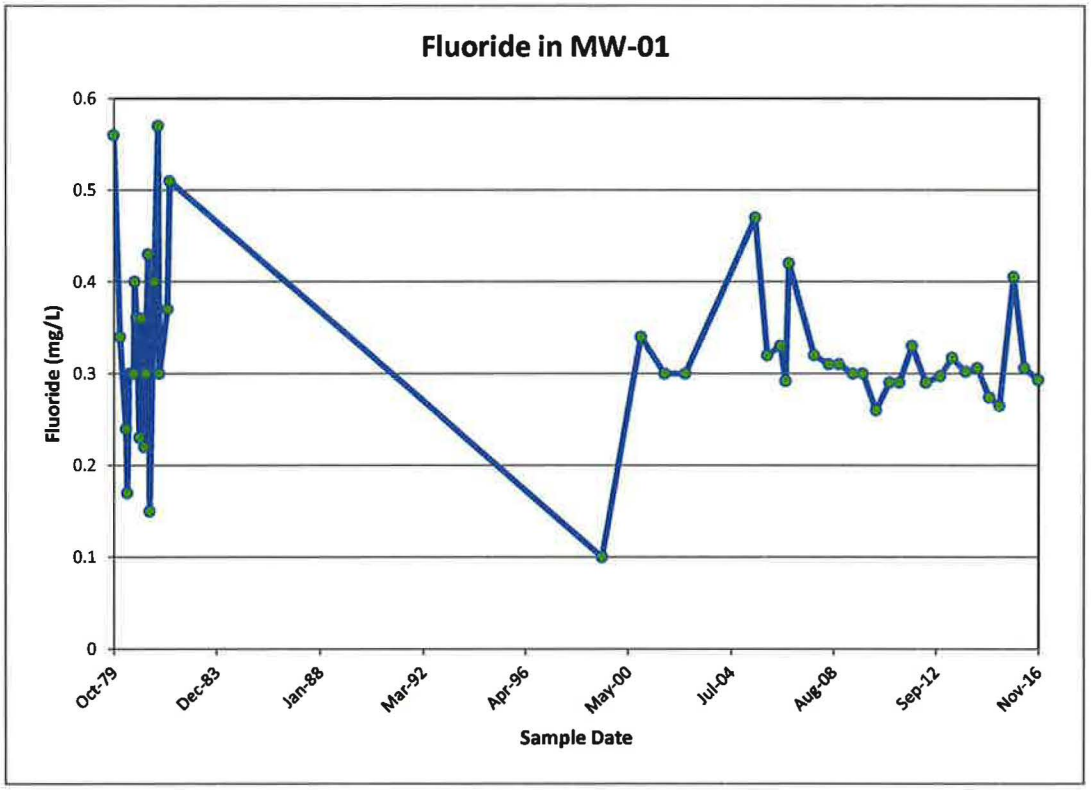
APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/may17/WL/Uwl0317.srf	H-1

Tab I

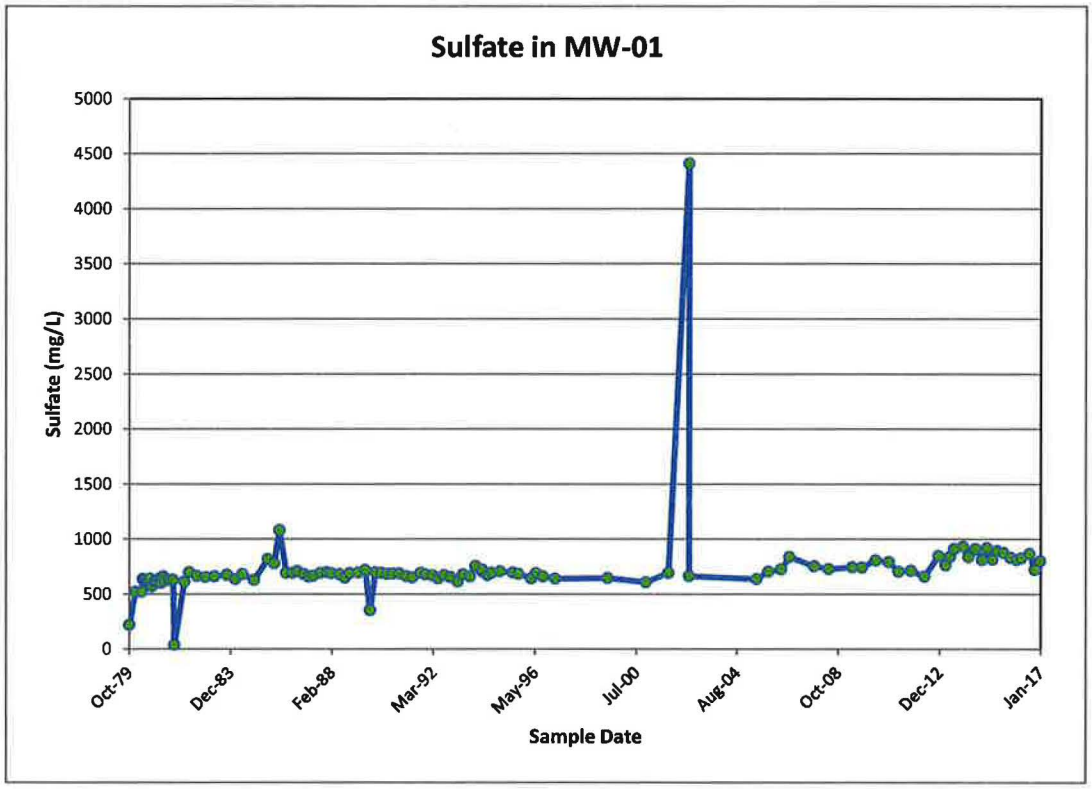
Groundwater Time Concentration Plots

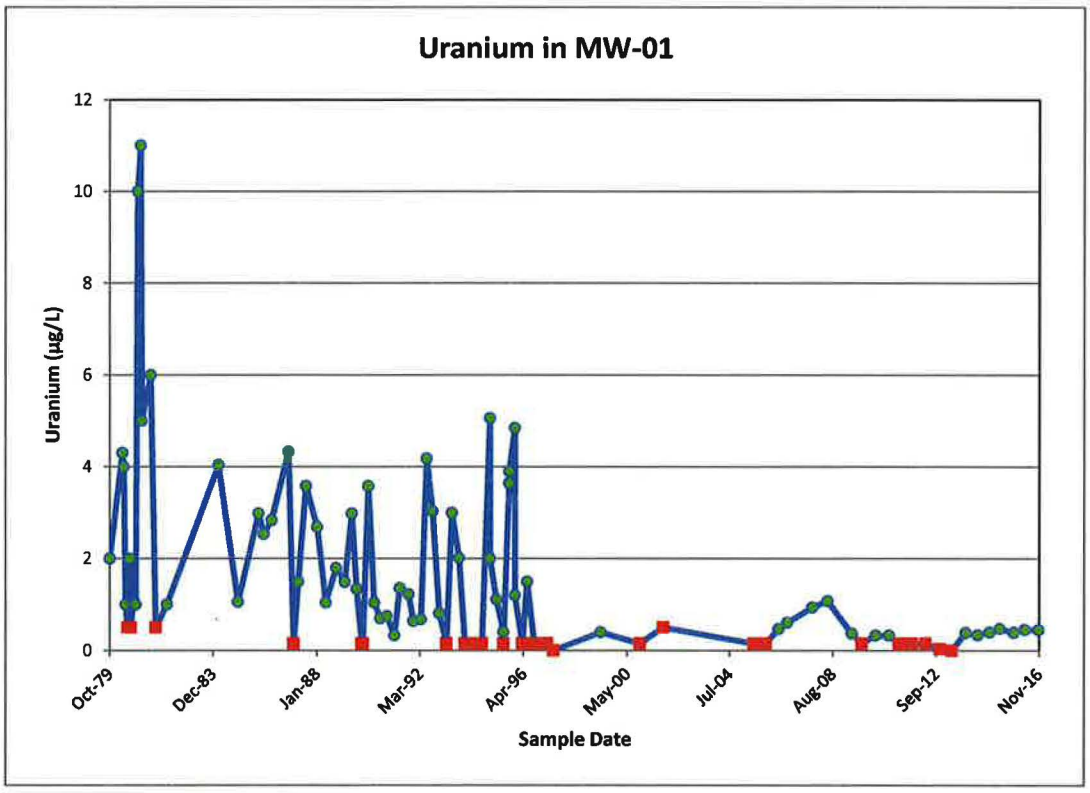
Time concentration plots for MW-01



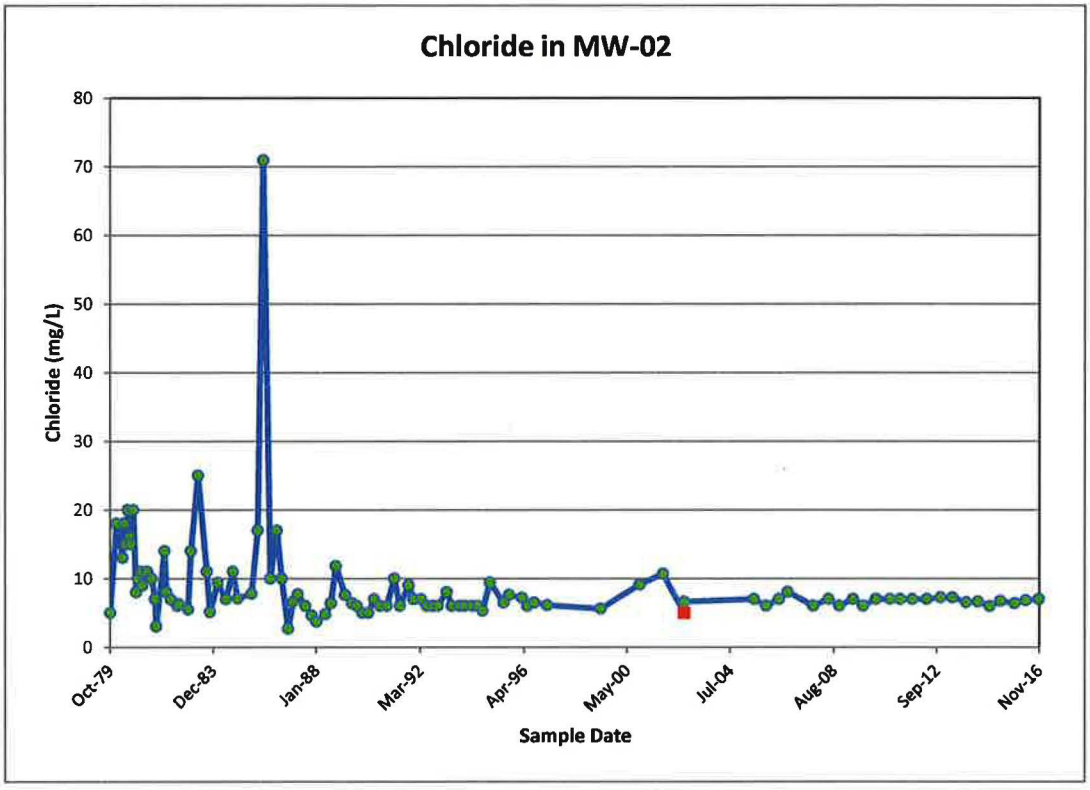


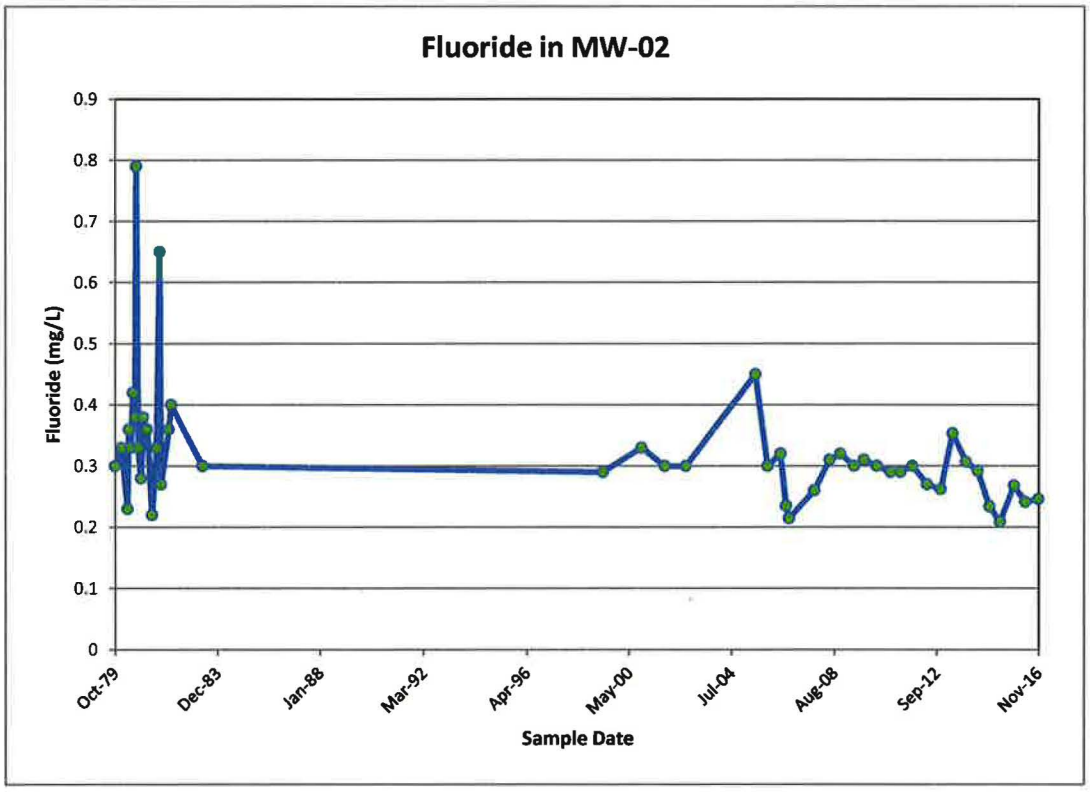
Time concentration plots for MW-01



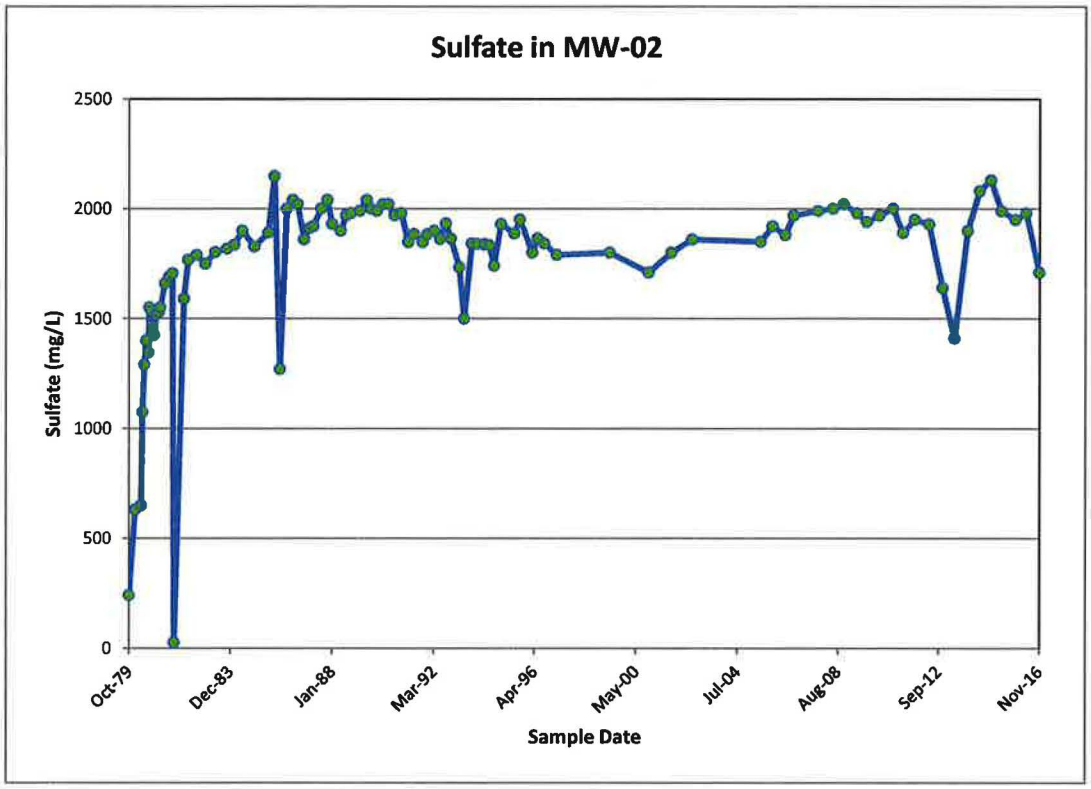


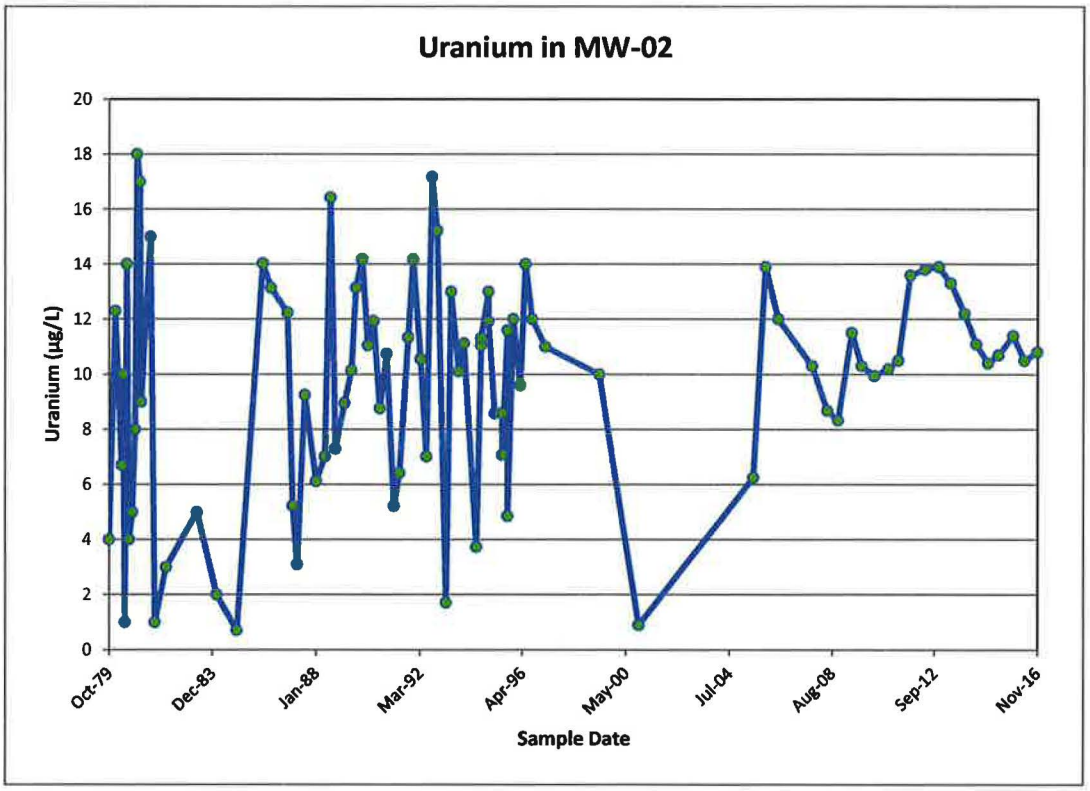
Time concentration plots for MW-02



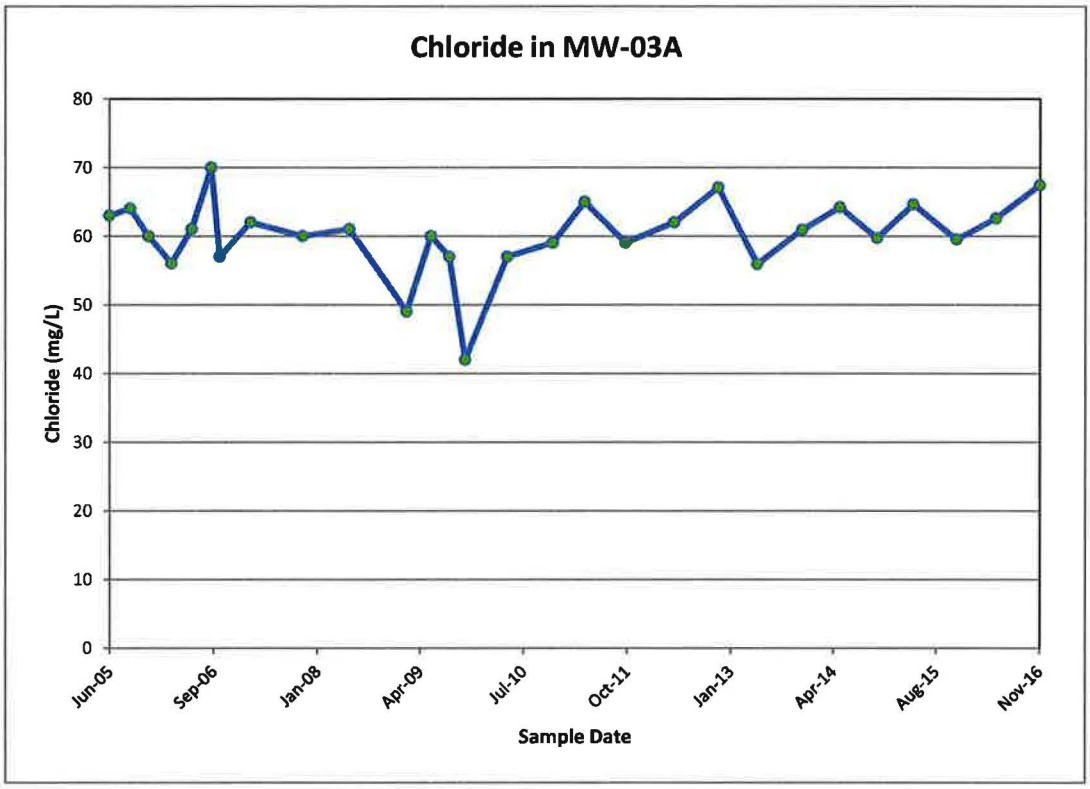


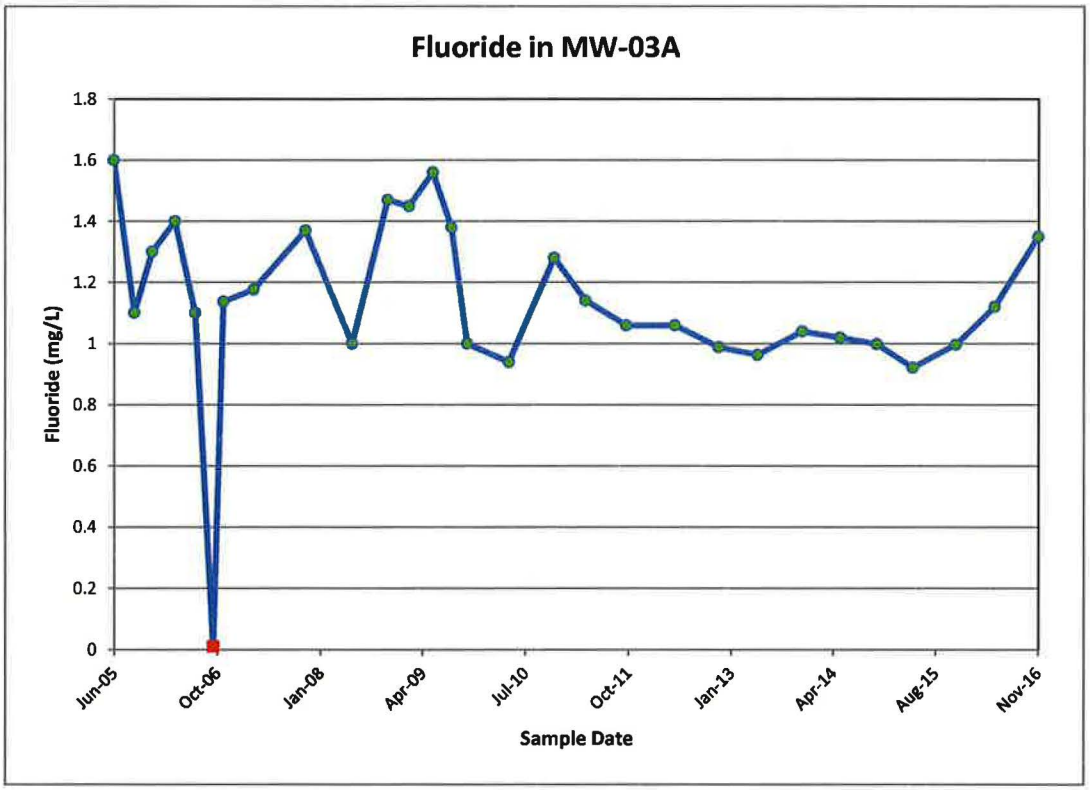
Time concentration plots for MW-02



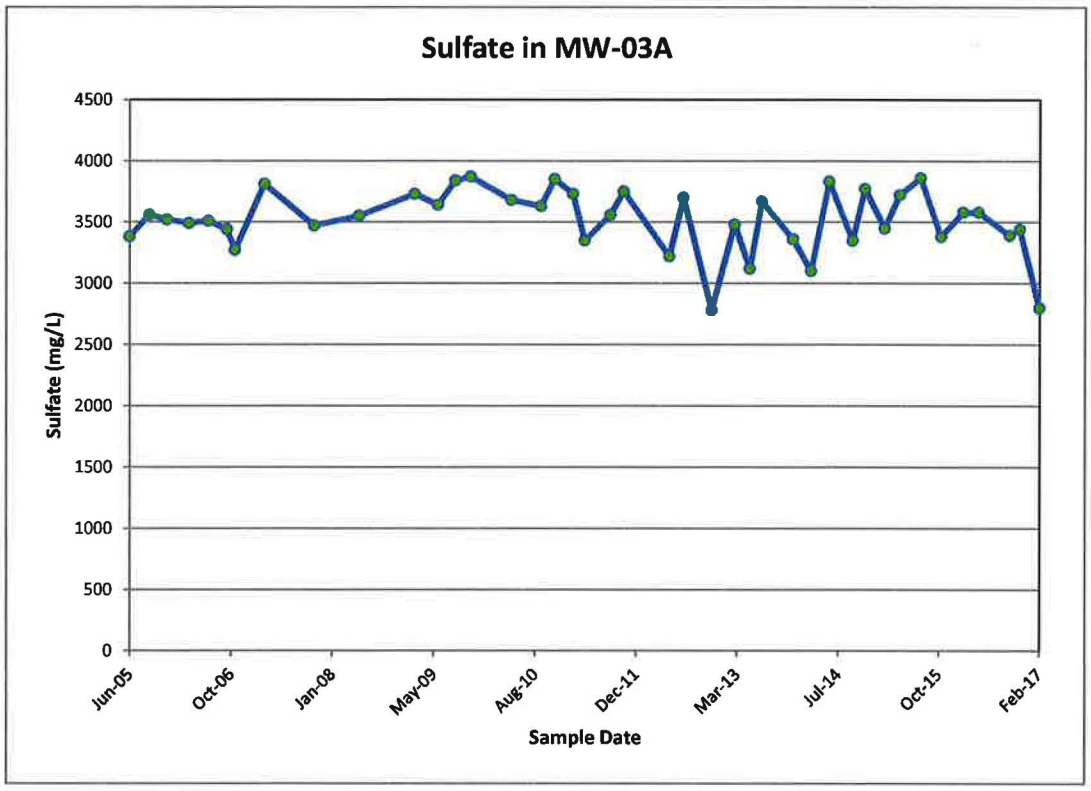


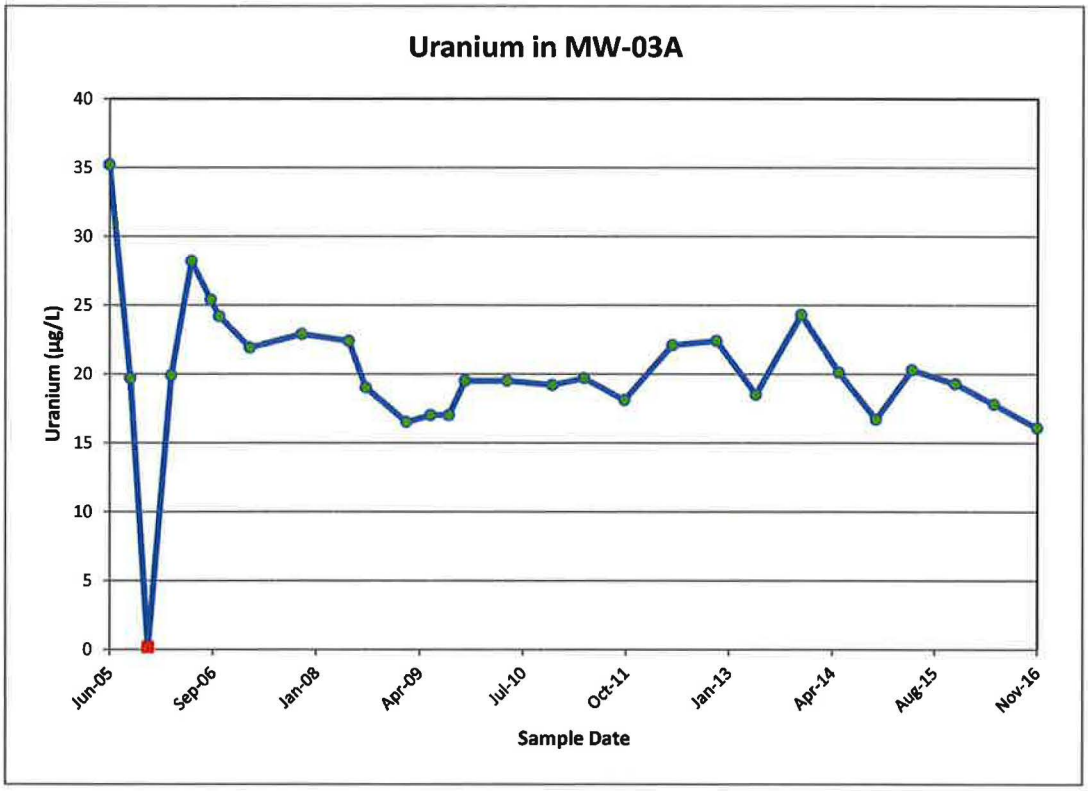
Time concentration plots for MW-03A



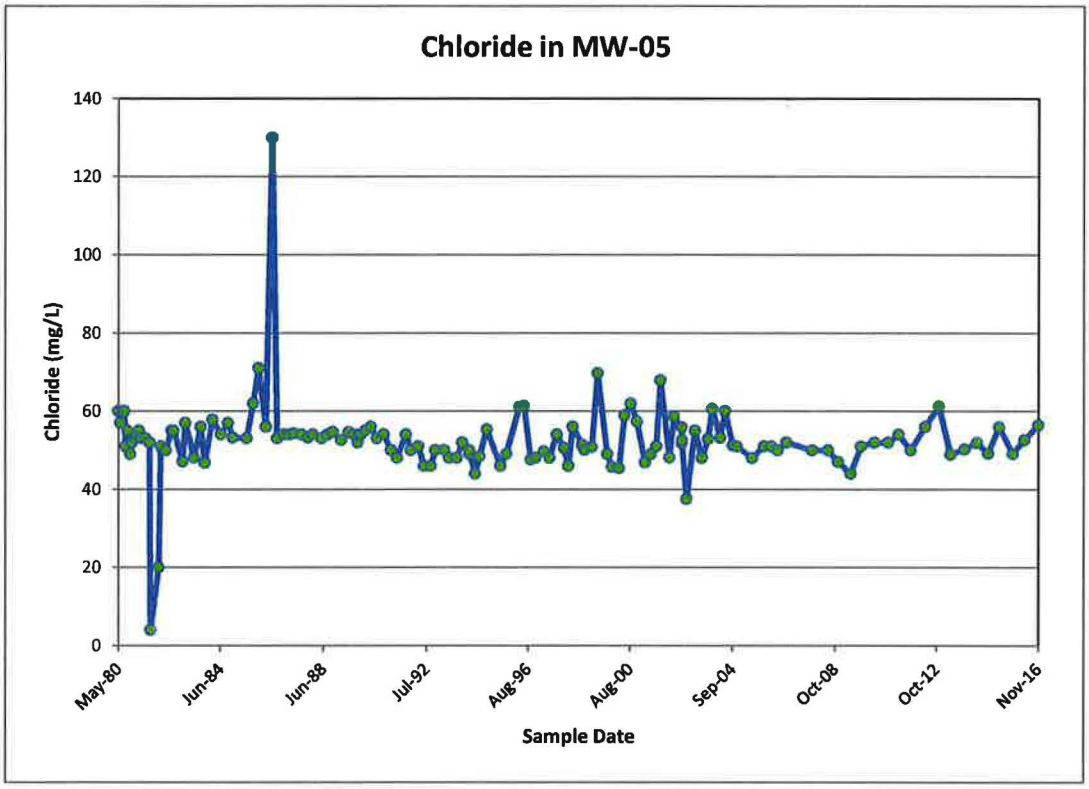


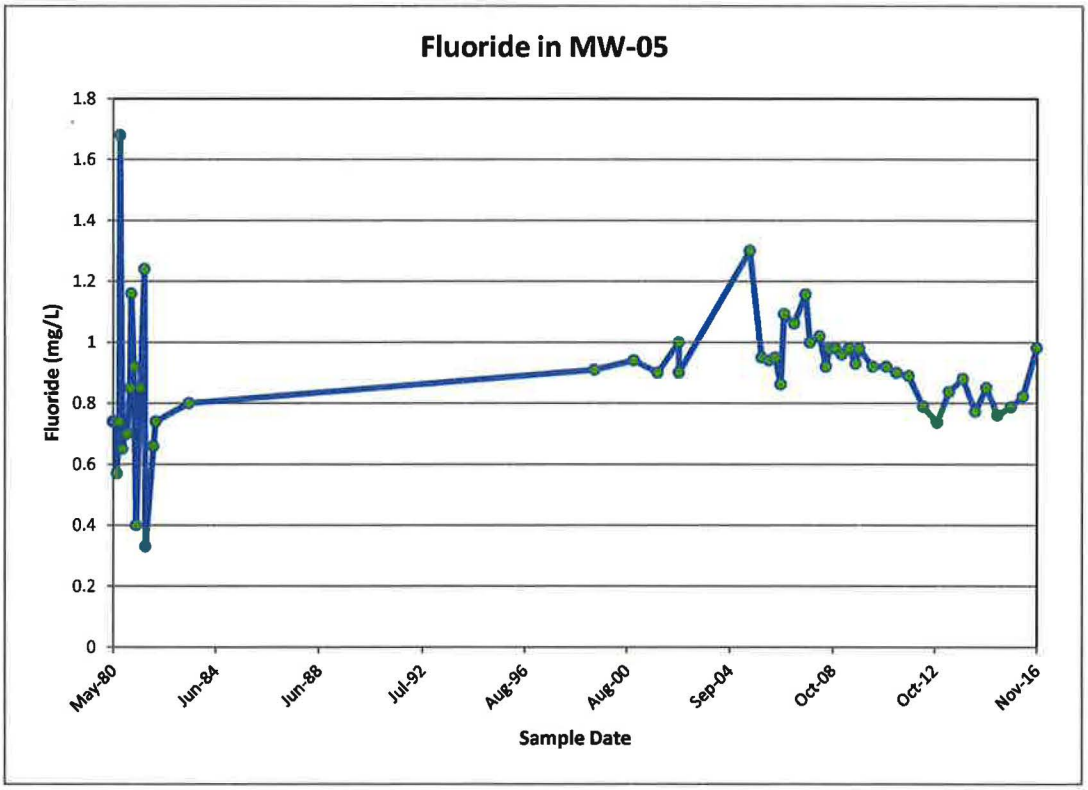
Time concentration plots for MW-03A



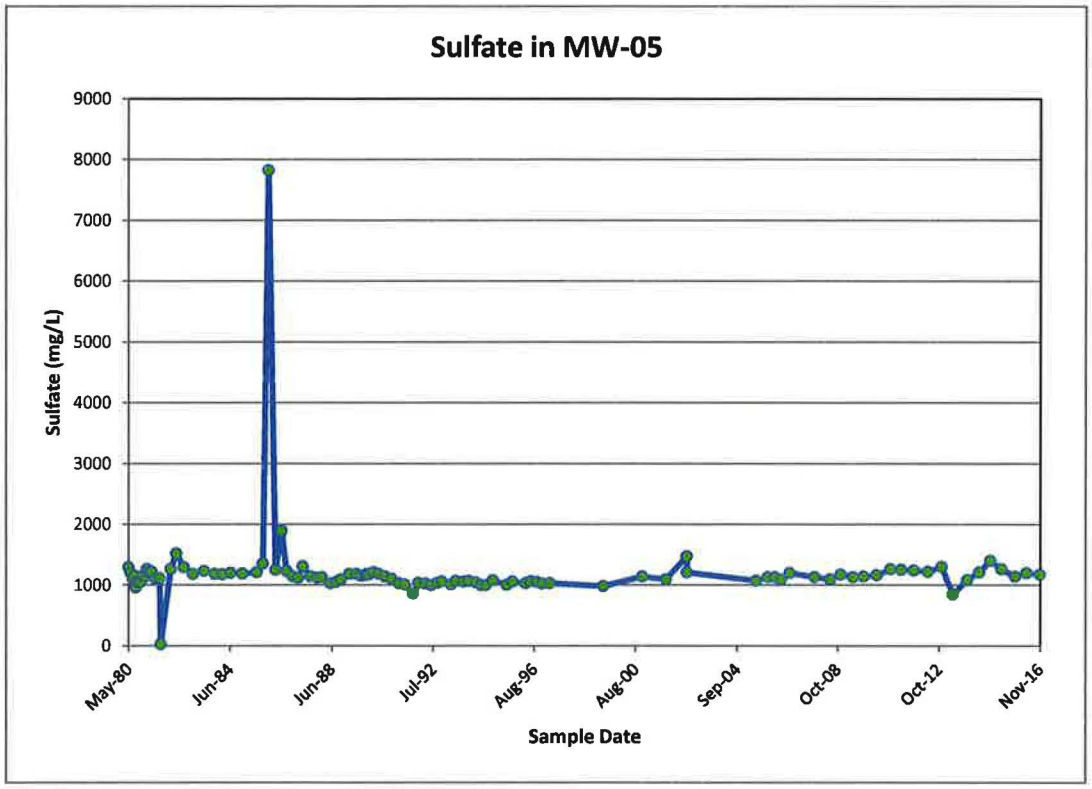


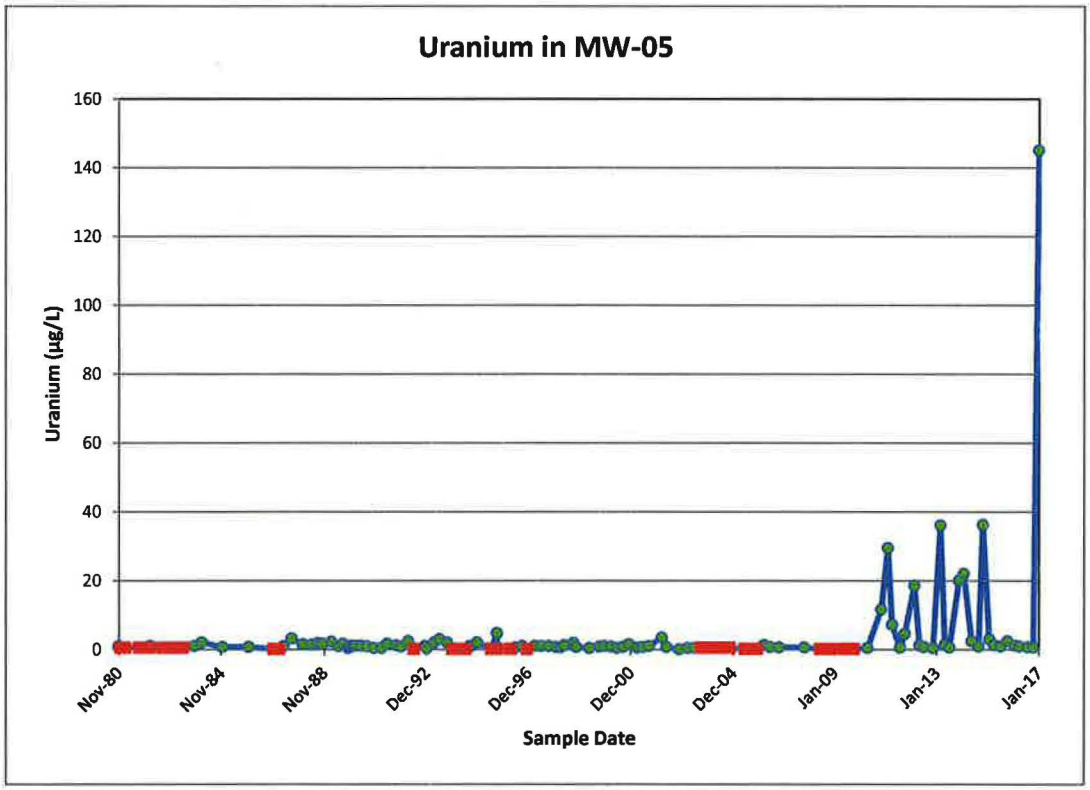
Time concentration plots for MW-05



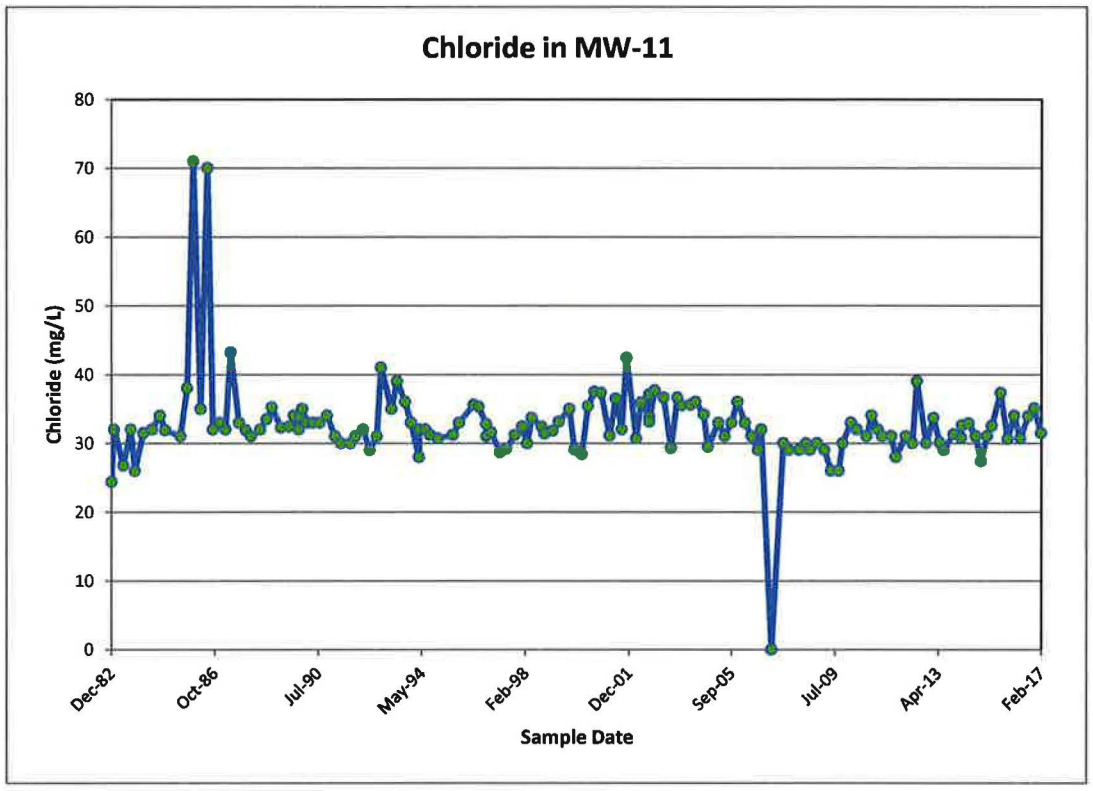


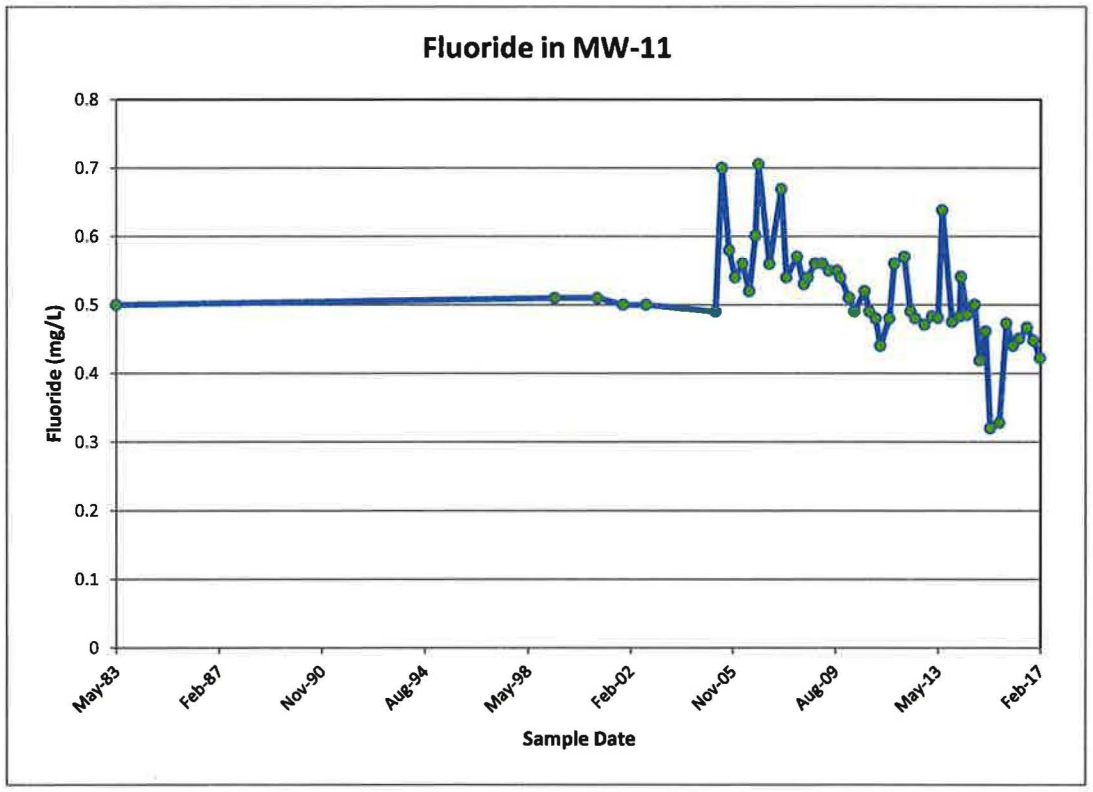
Time concentration plots for MW-05



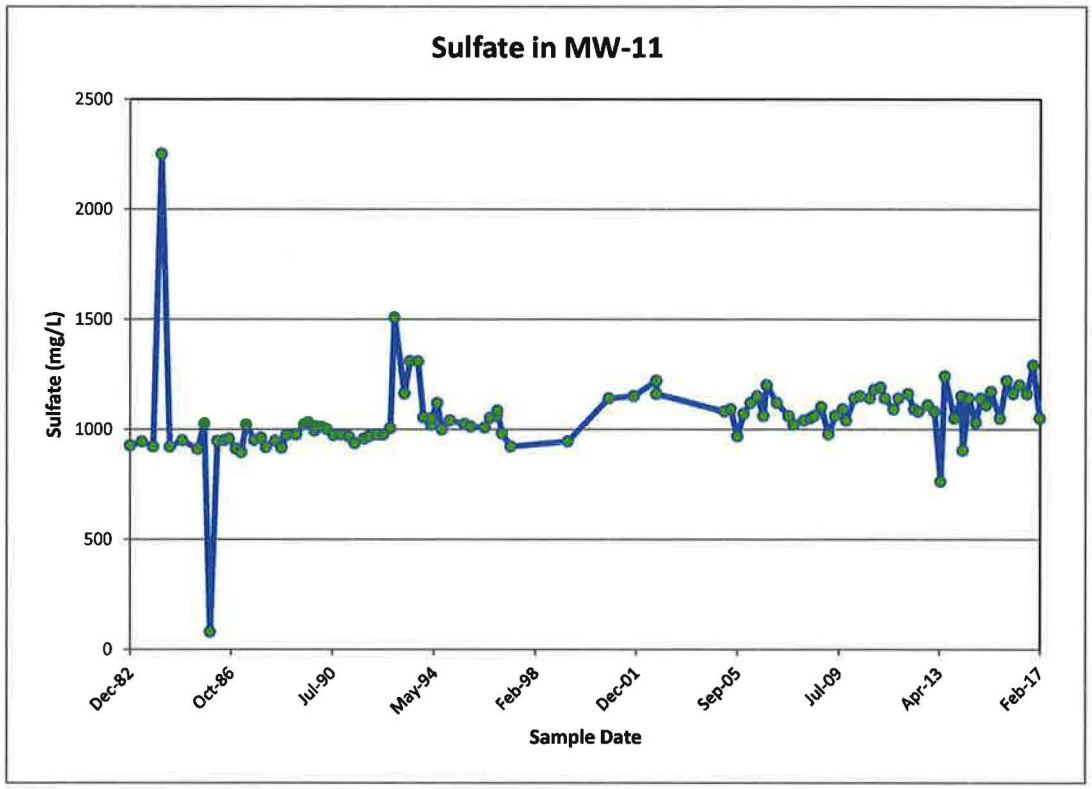


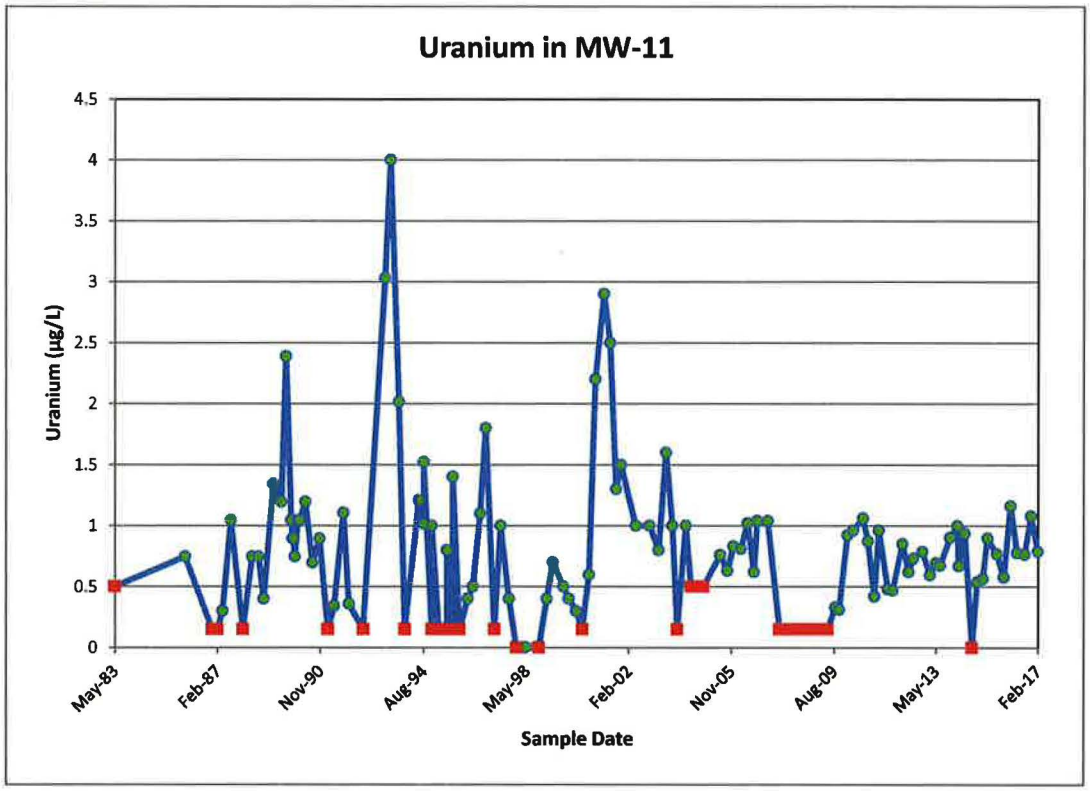
Time concentration plots for MW-11



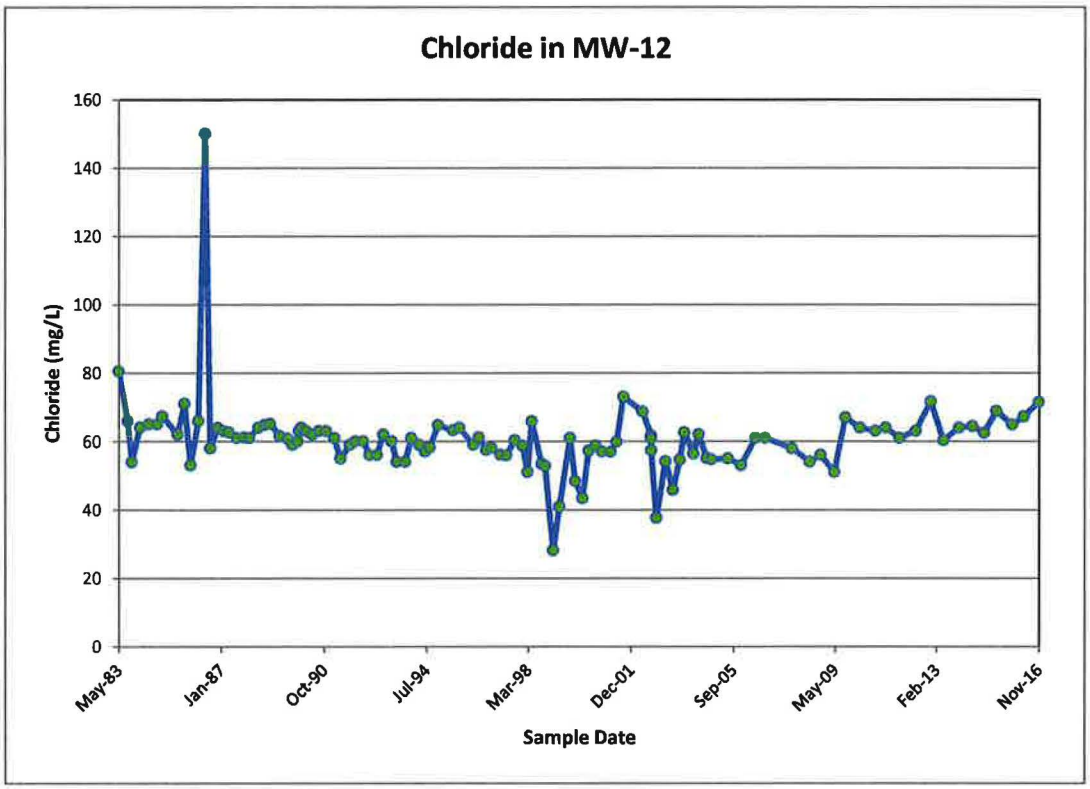


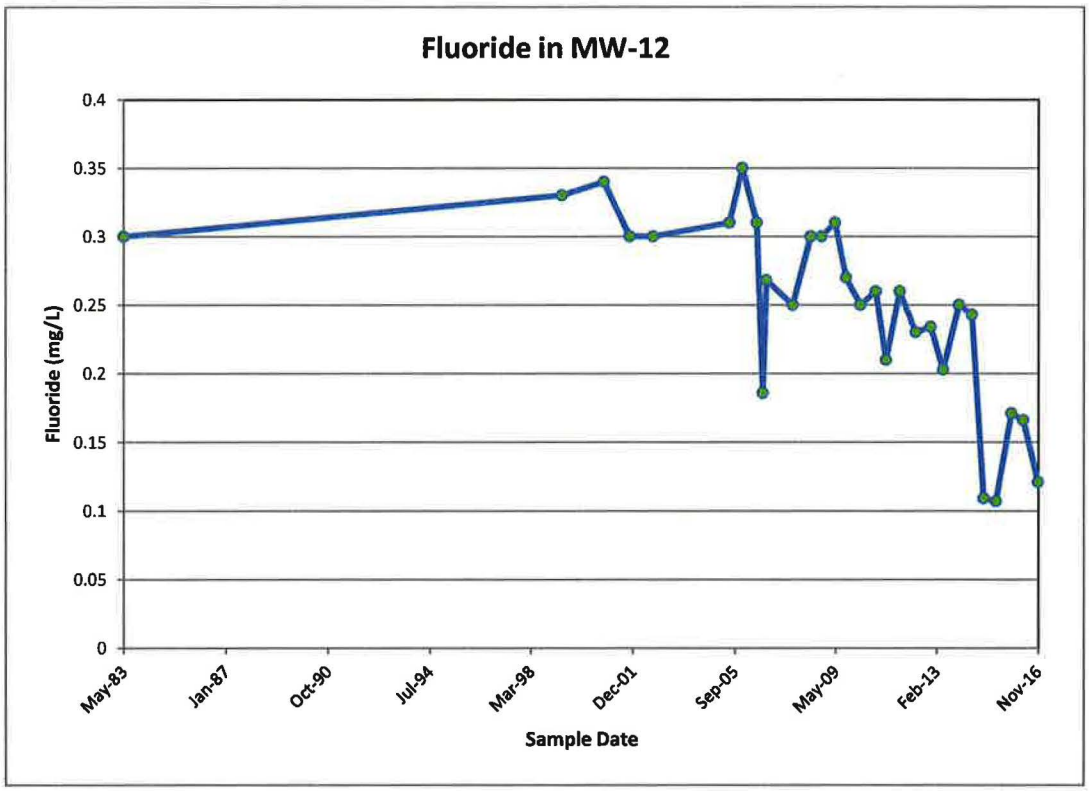
Time concentration plots for MW-11



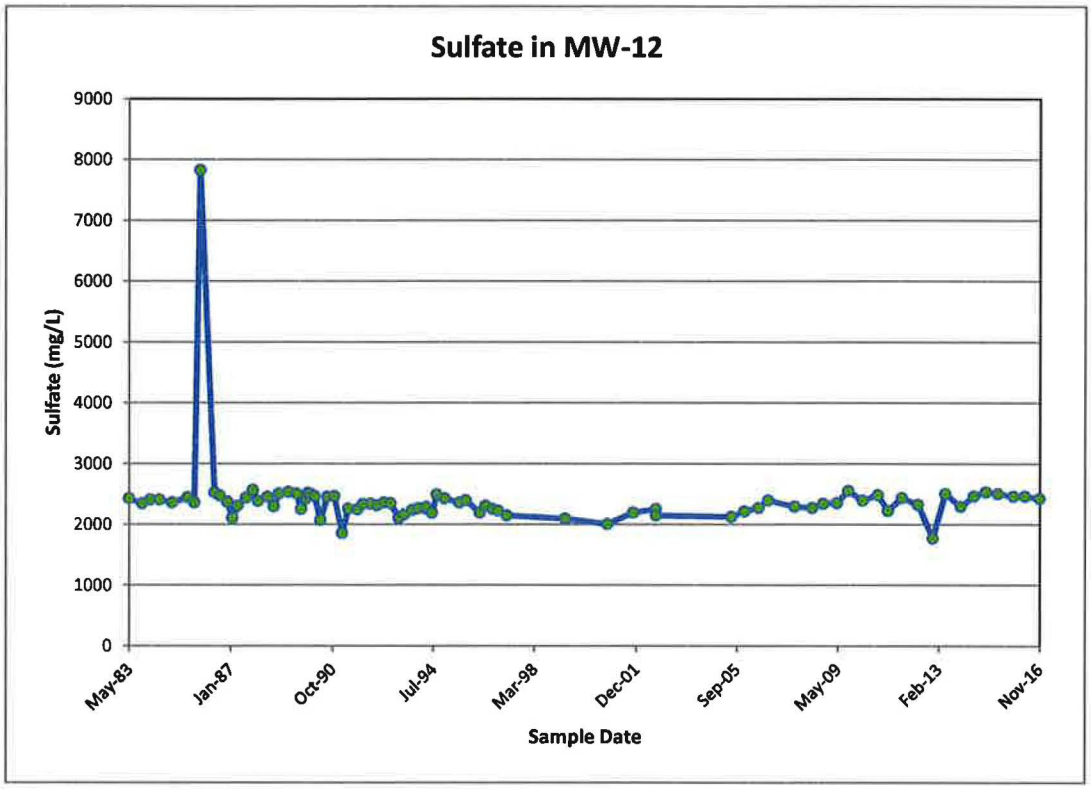


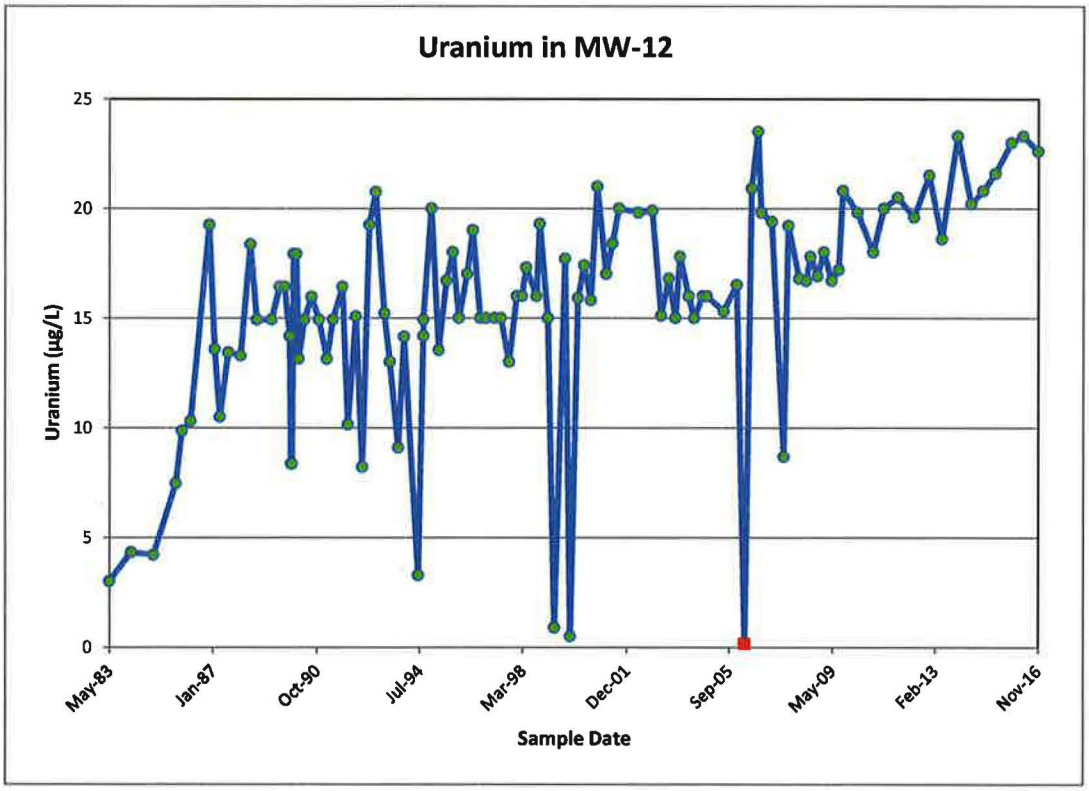
Time concentration plots for MW-12



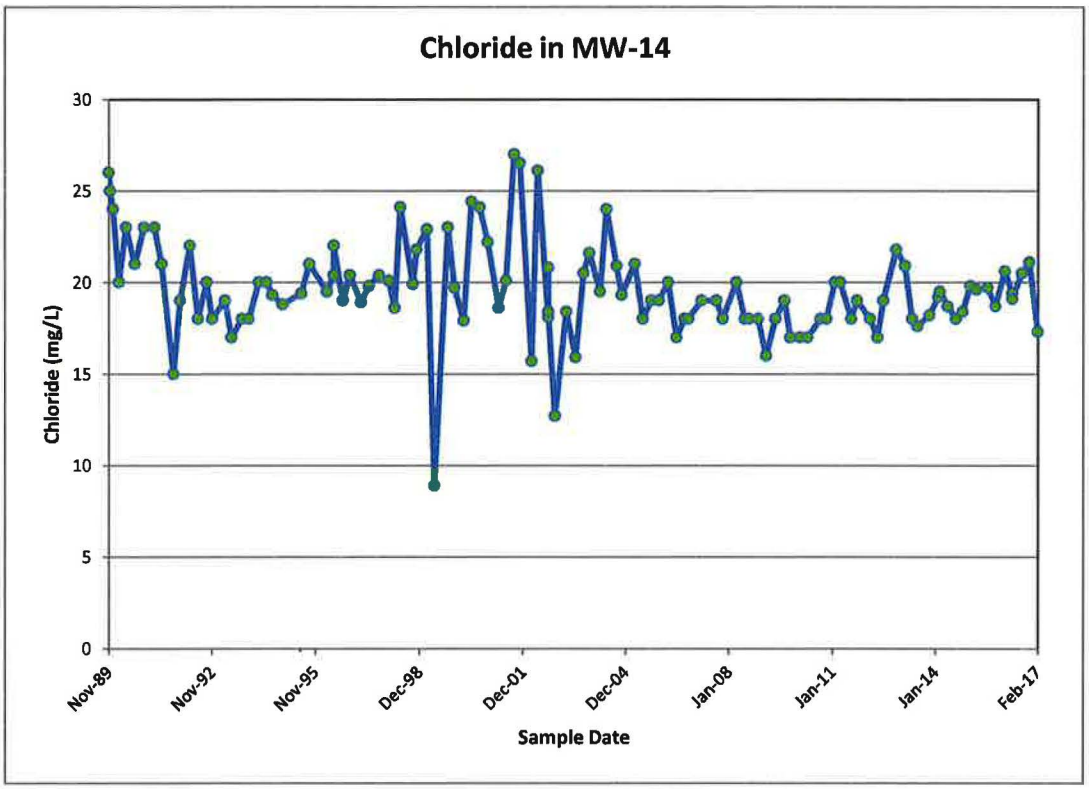


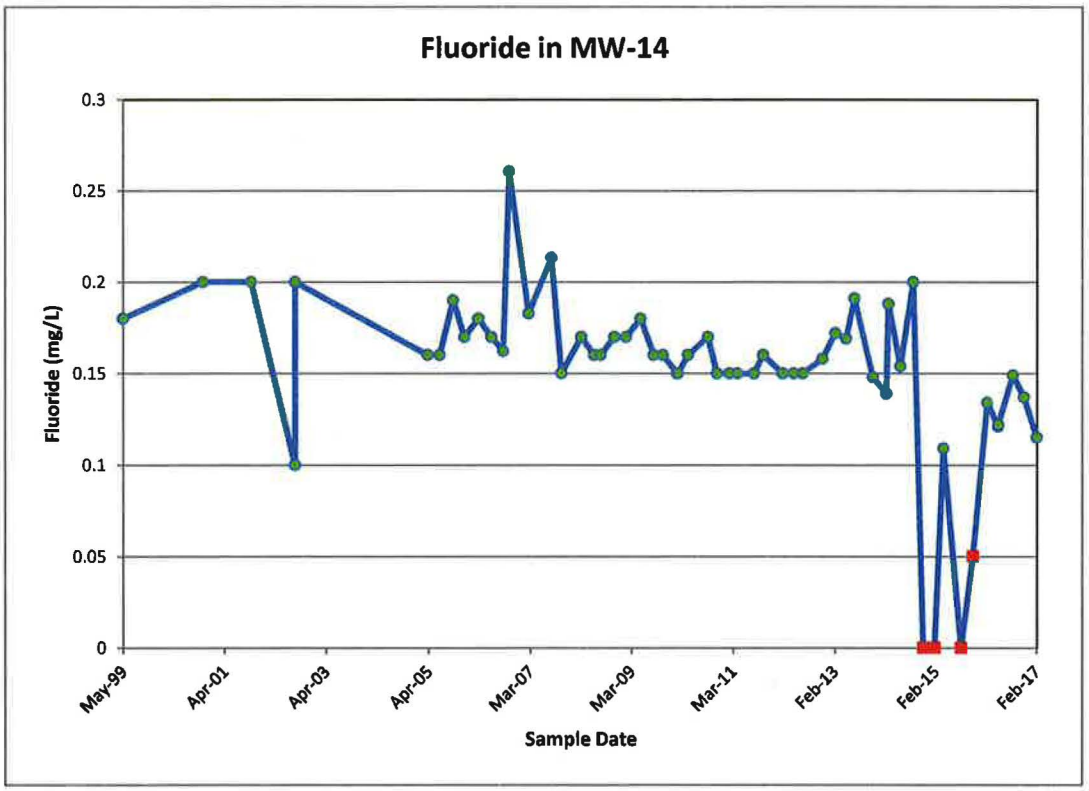
Time concentration plots for MW-12



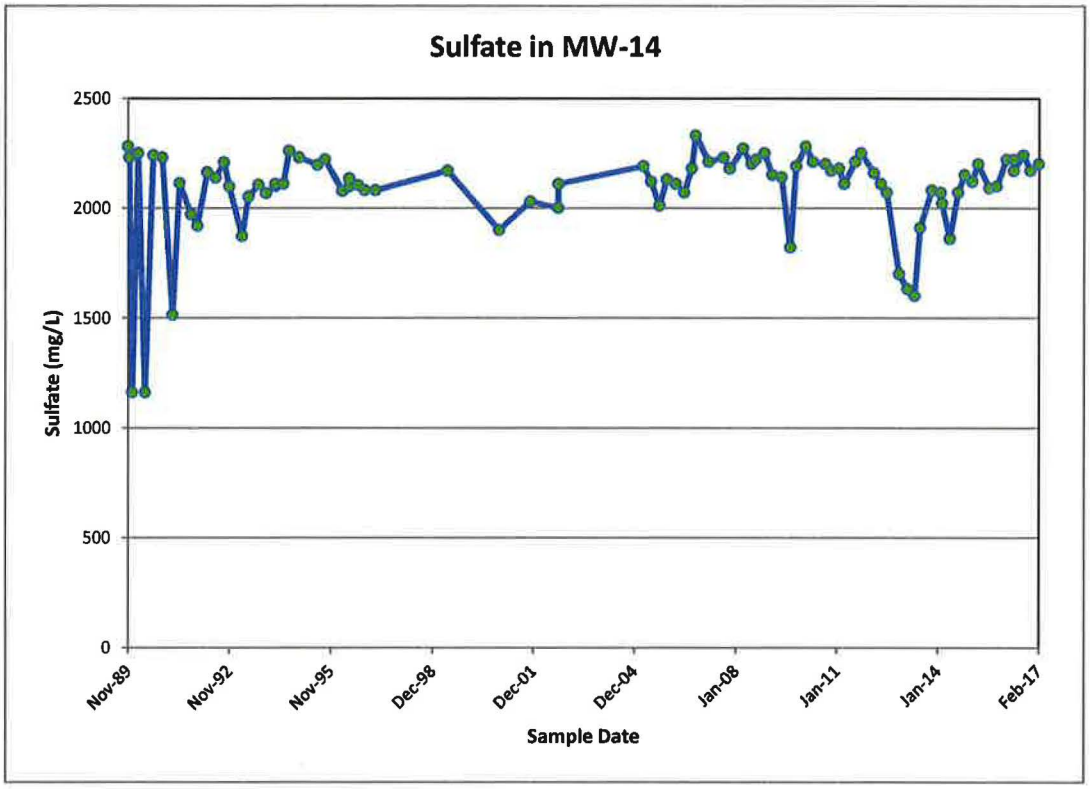


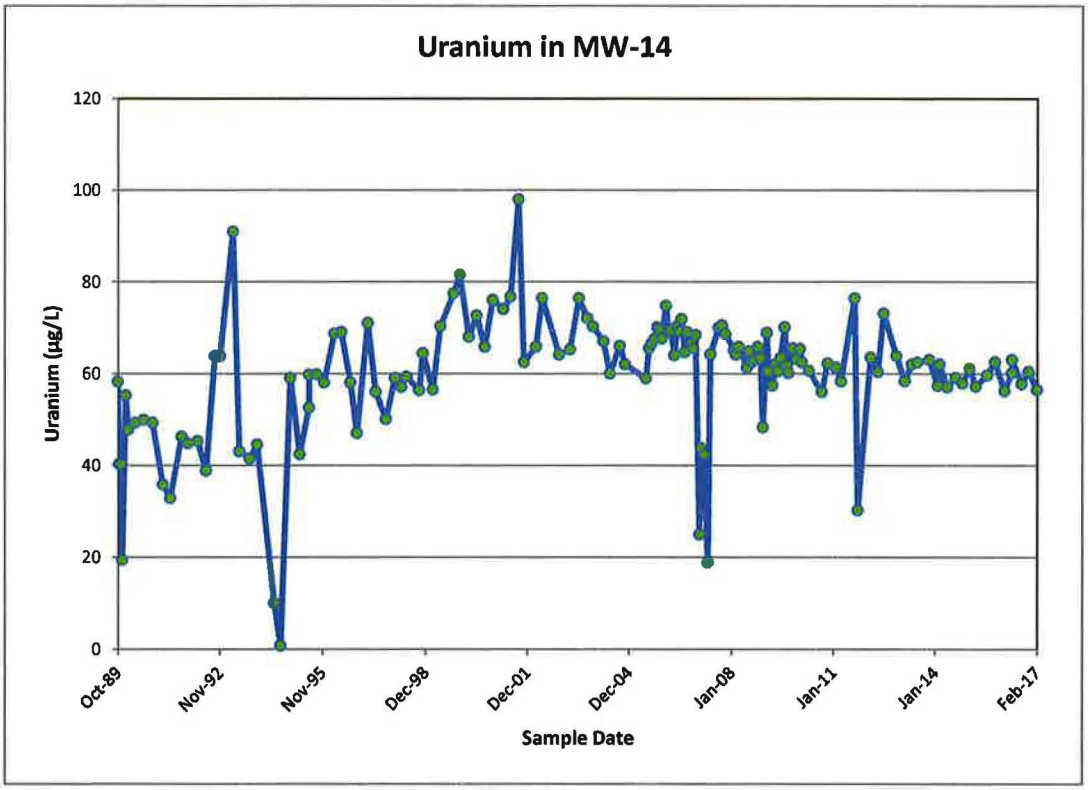
Time concentration plots for MW-14



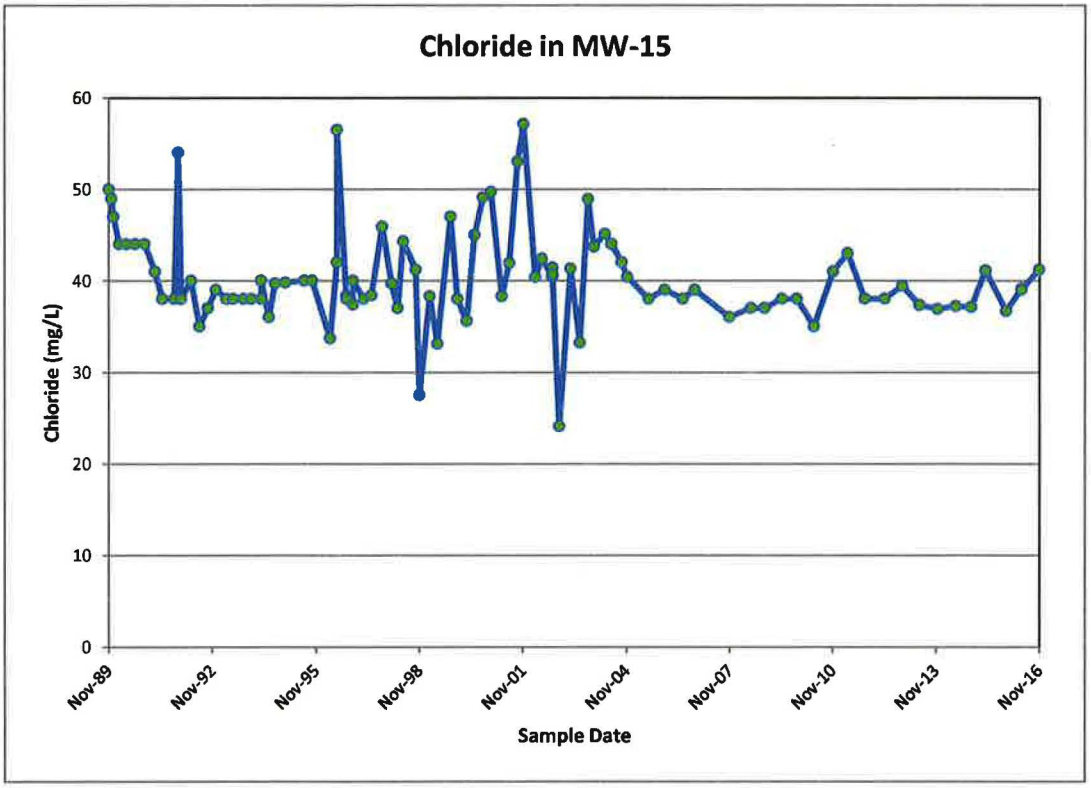


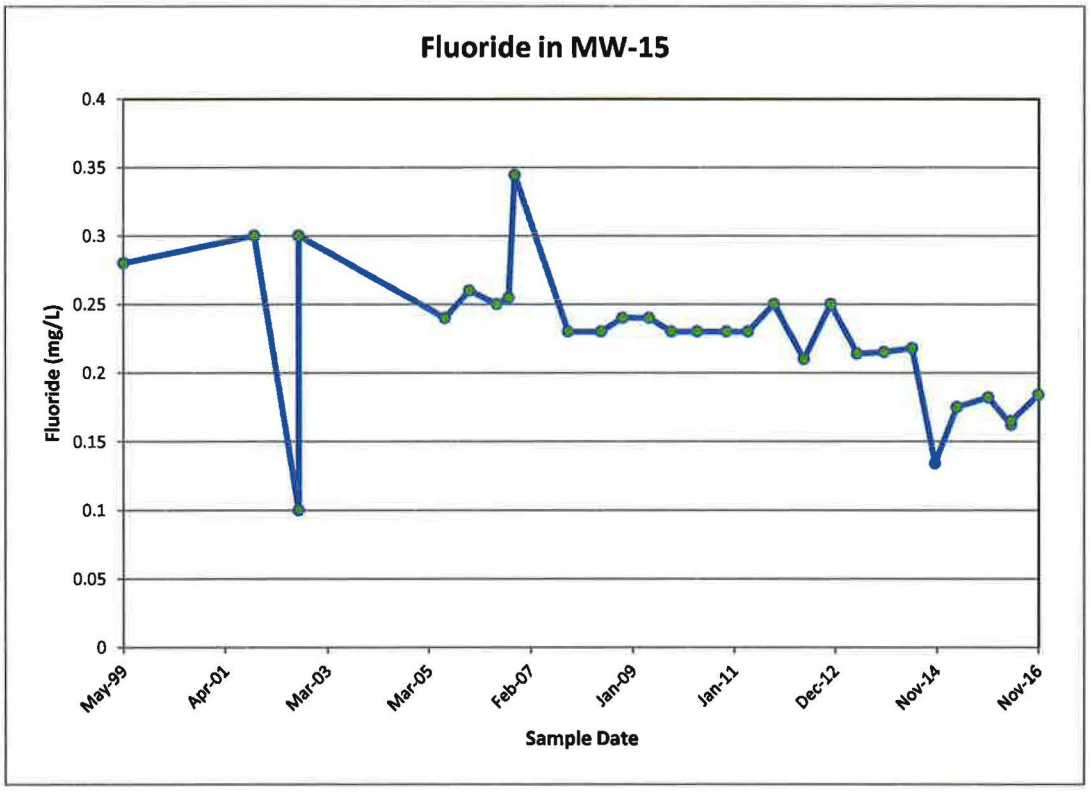
Time concentration plots for MW-14





Time concentration plots for MW-15

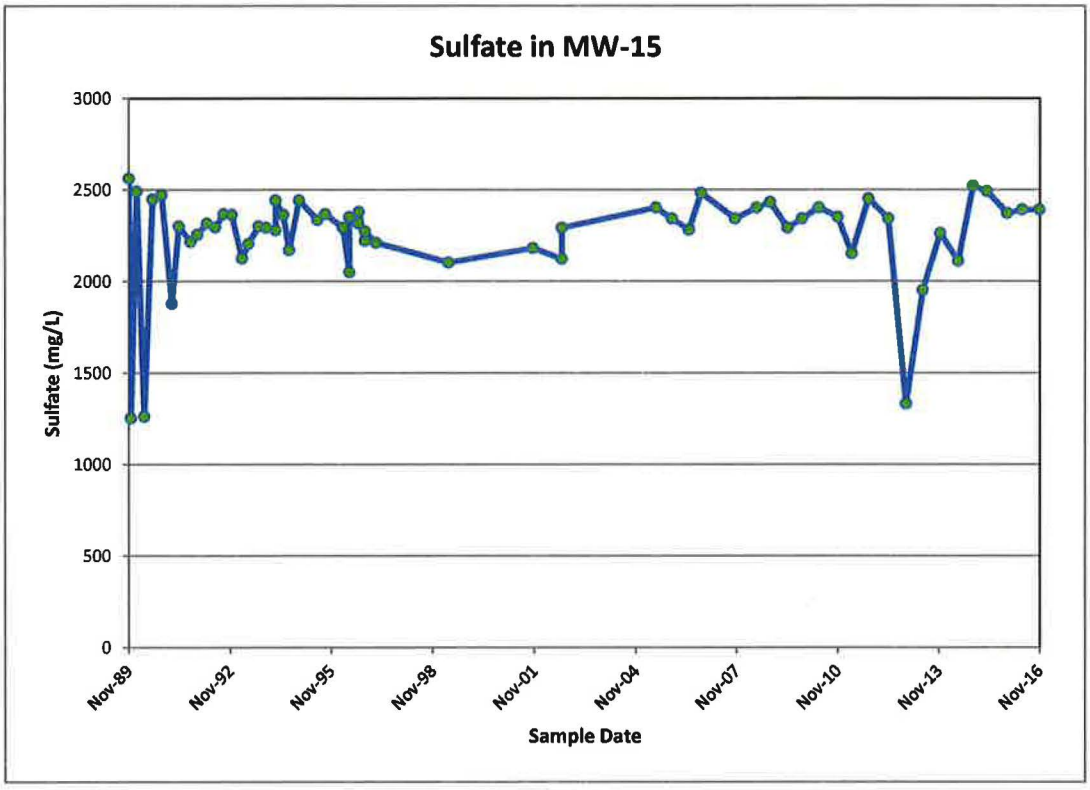


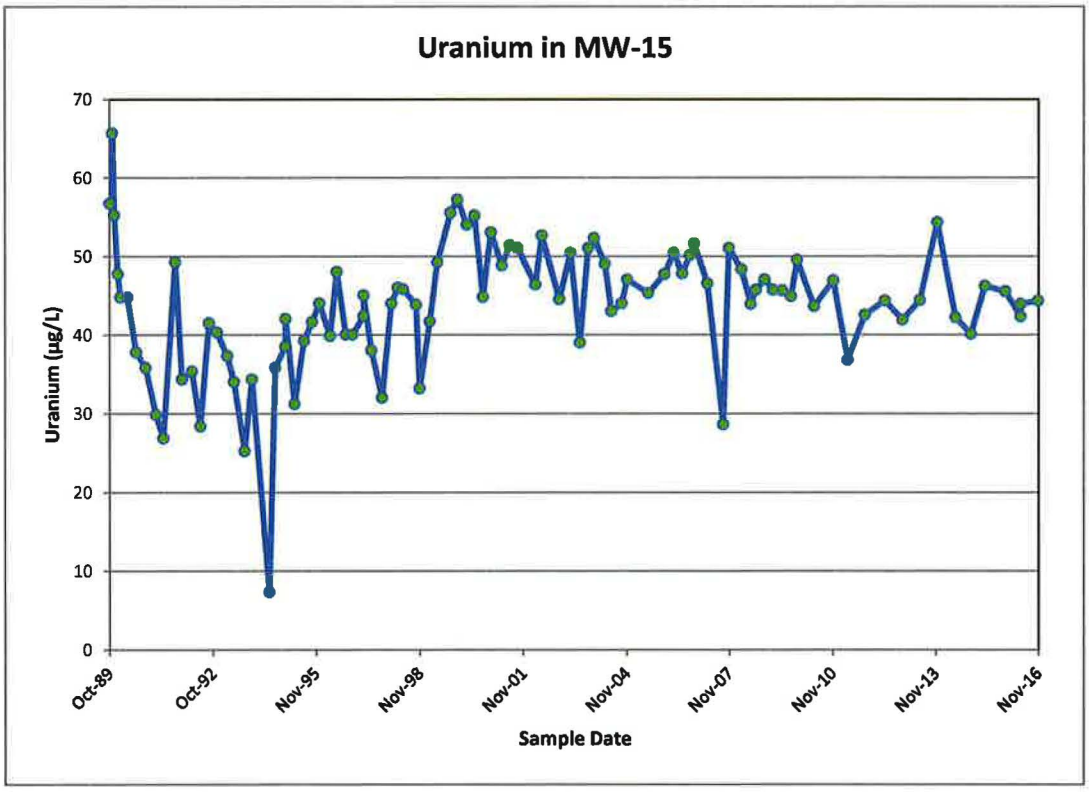


Detected Values

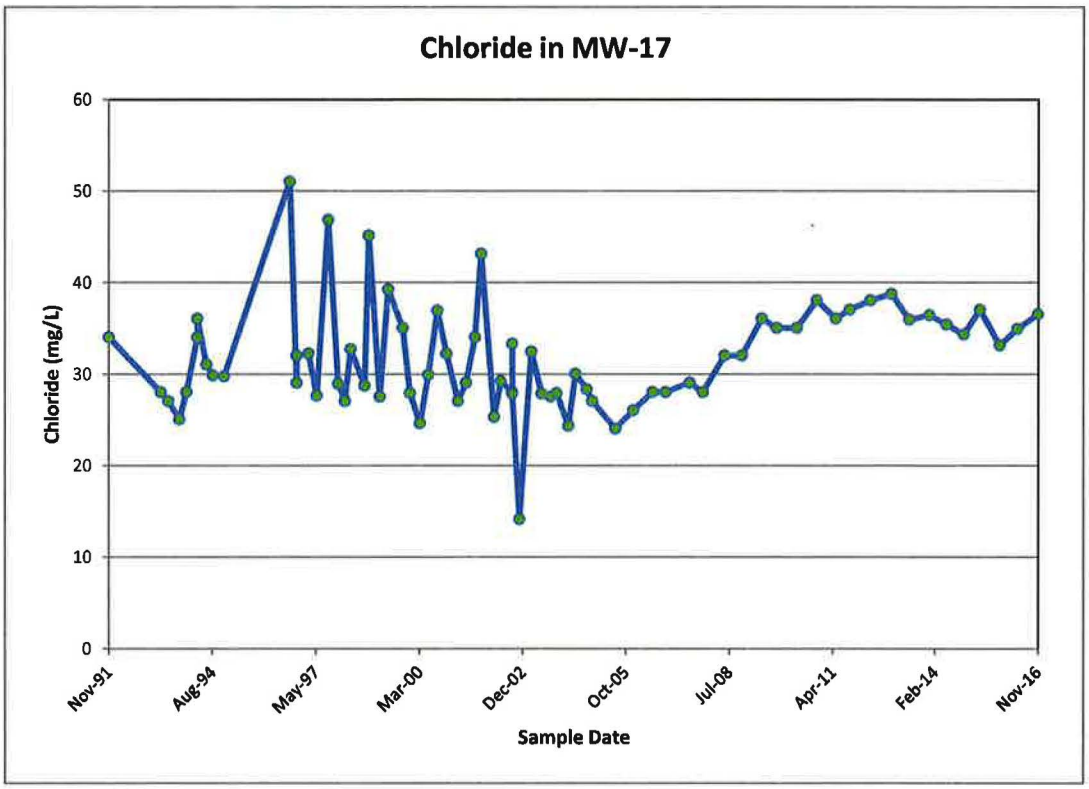
Non-Detected Values

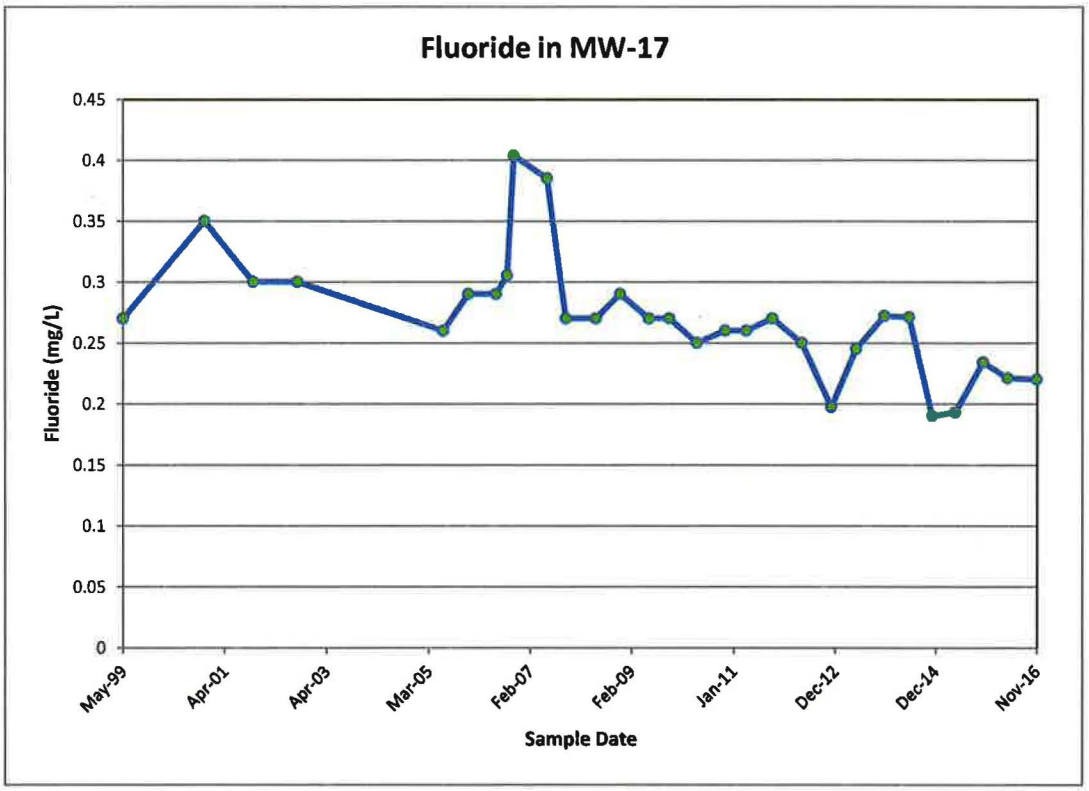
Time concentration plots for MW-15



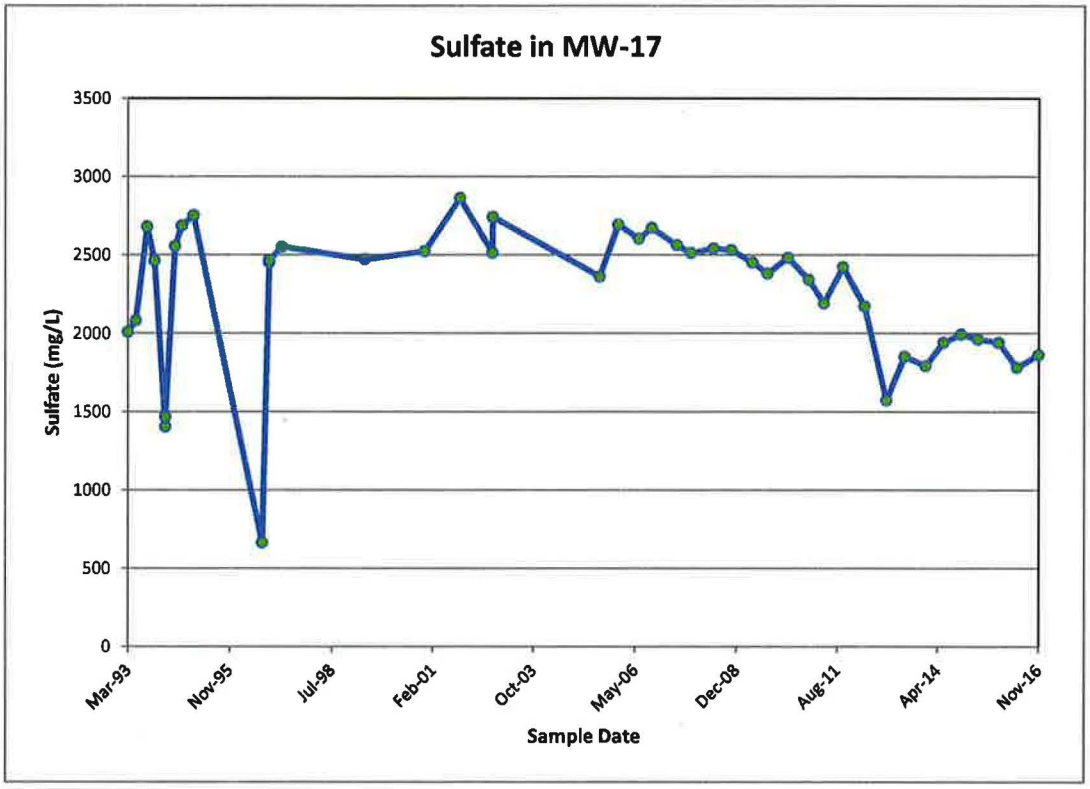


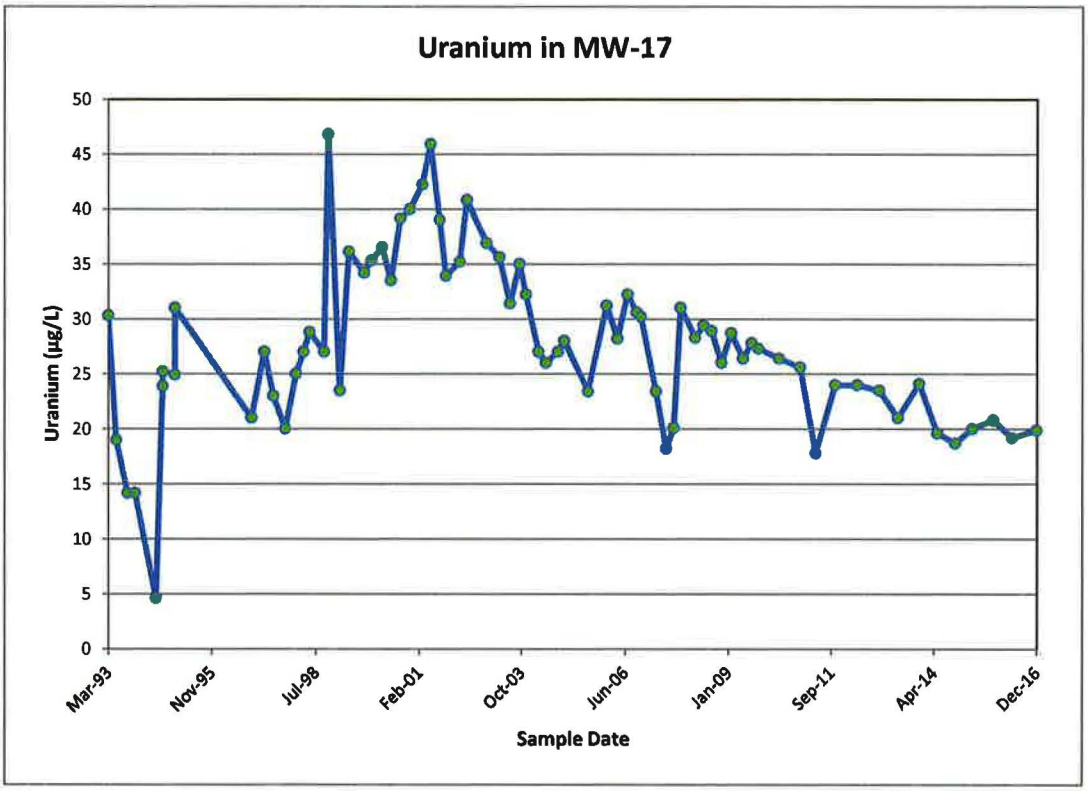
Time concentration plots for MW-17



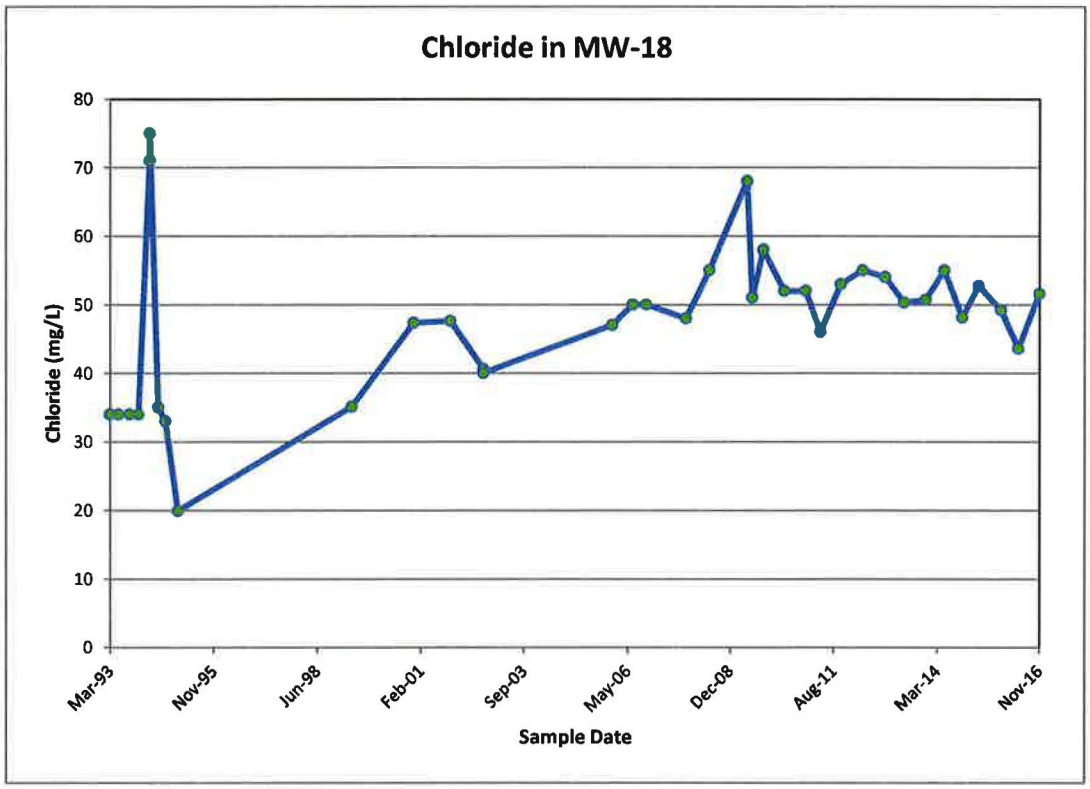


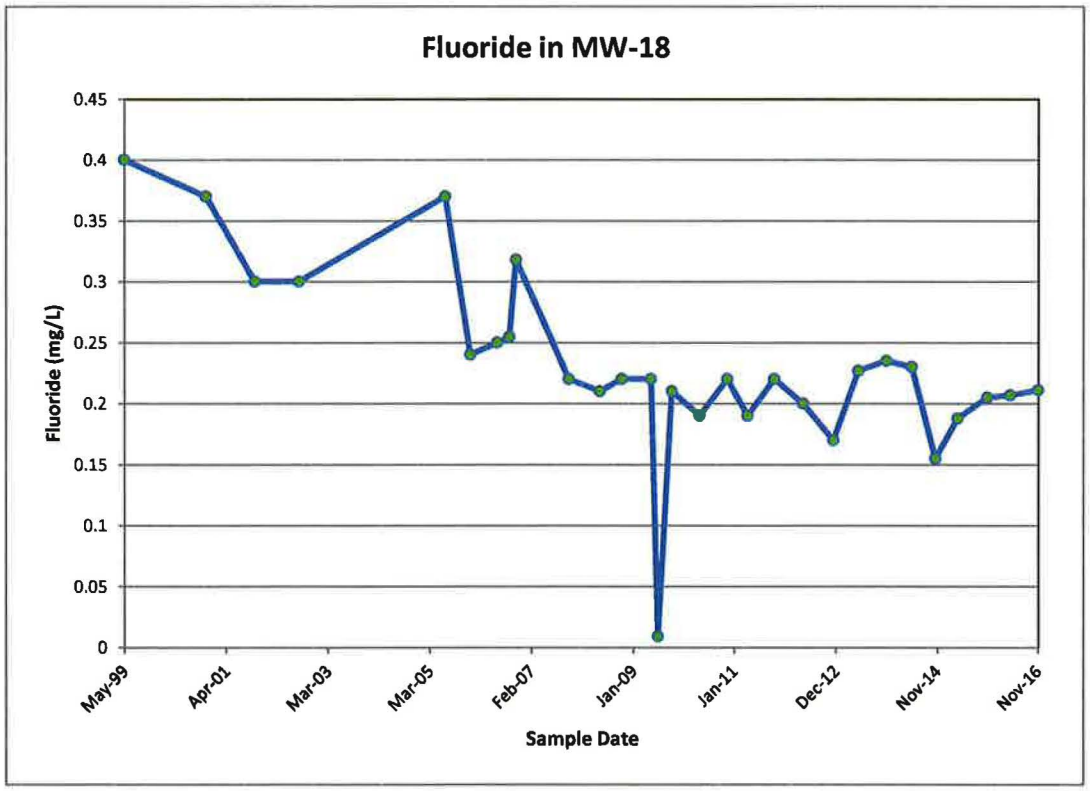
Time concentration plots for MW-17



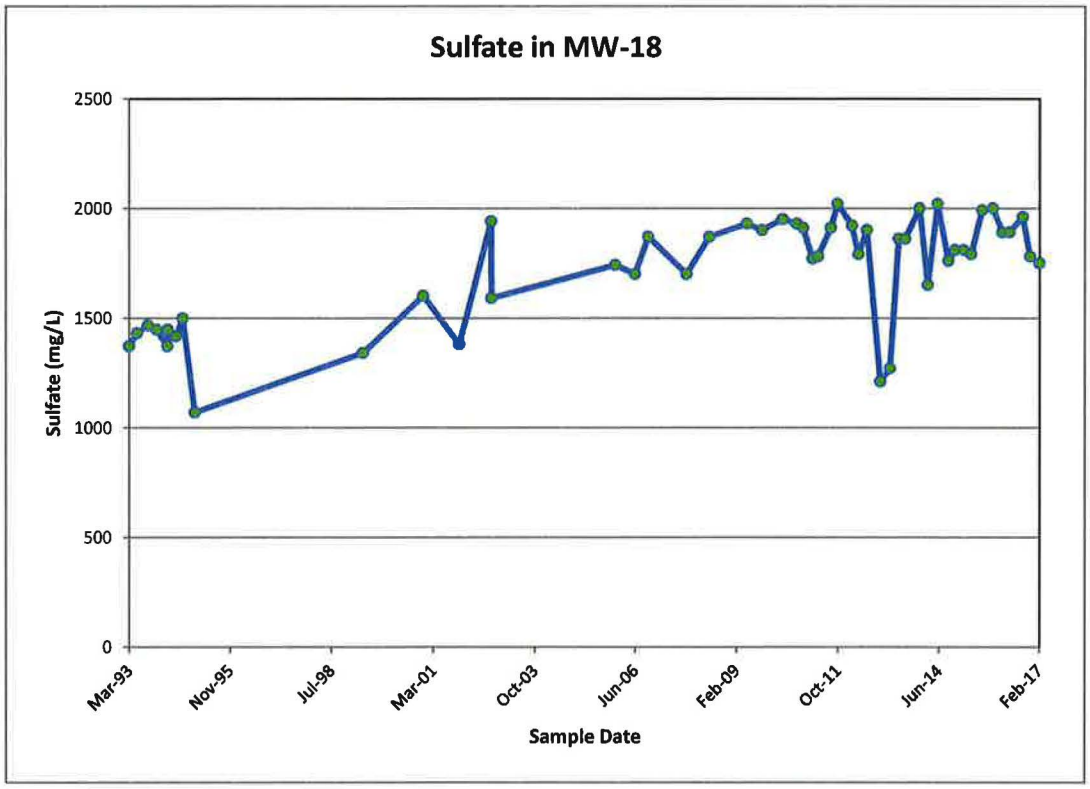


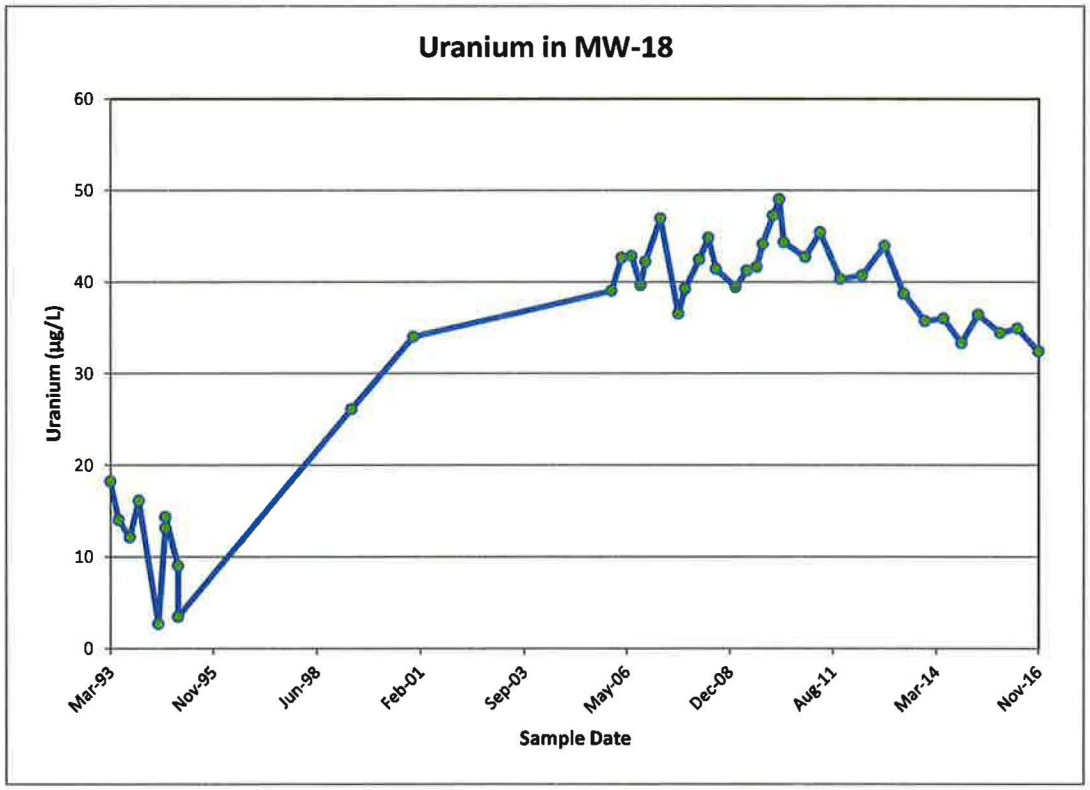
Time concentration plots for MW-18



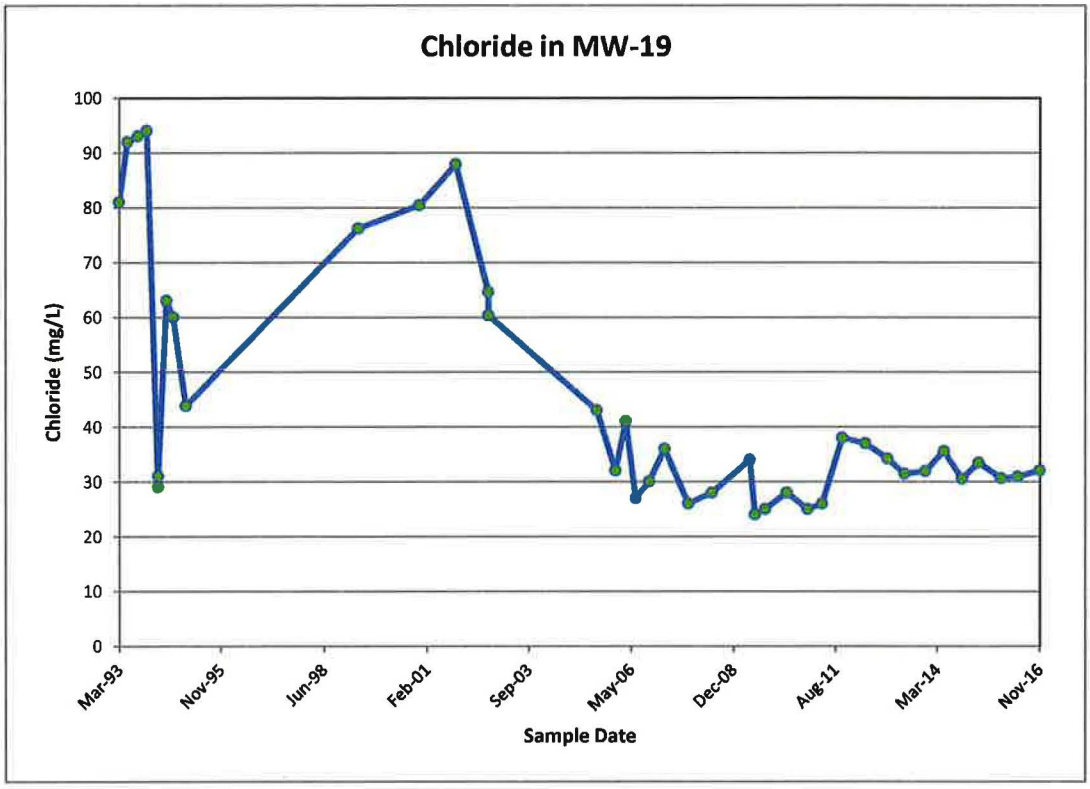


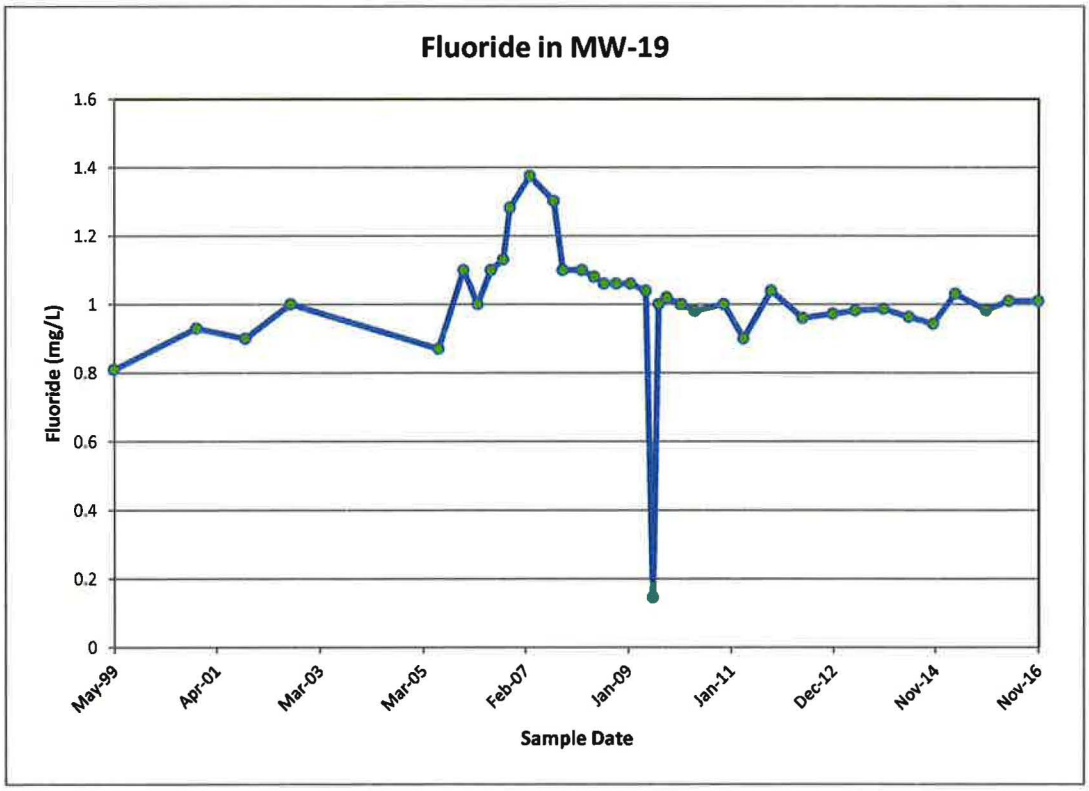
Time concentration plots for MW-18



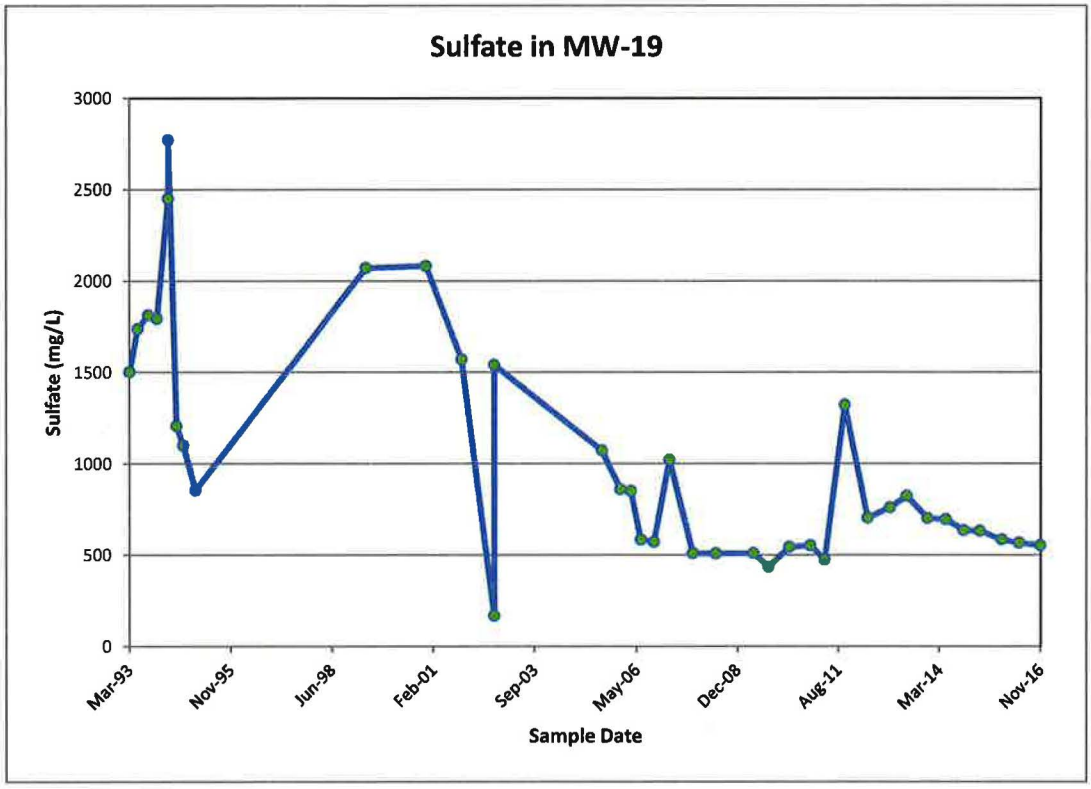


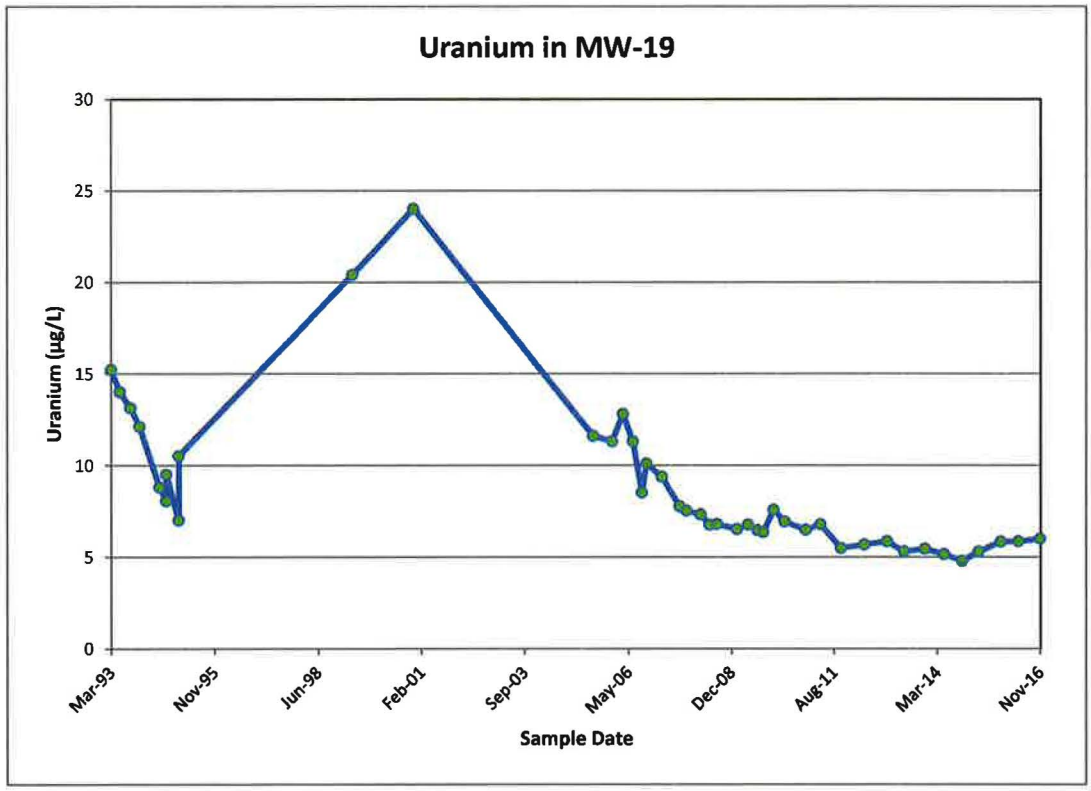
Time concentration plots for MW-19



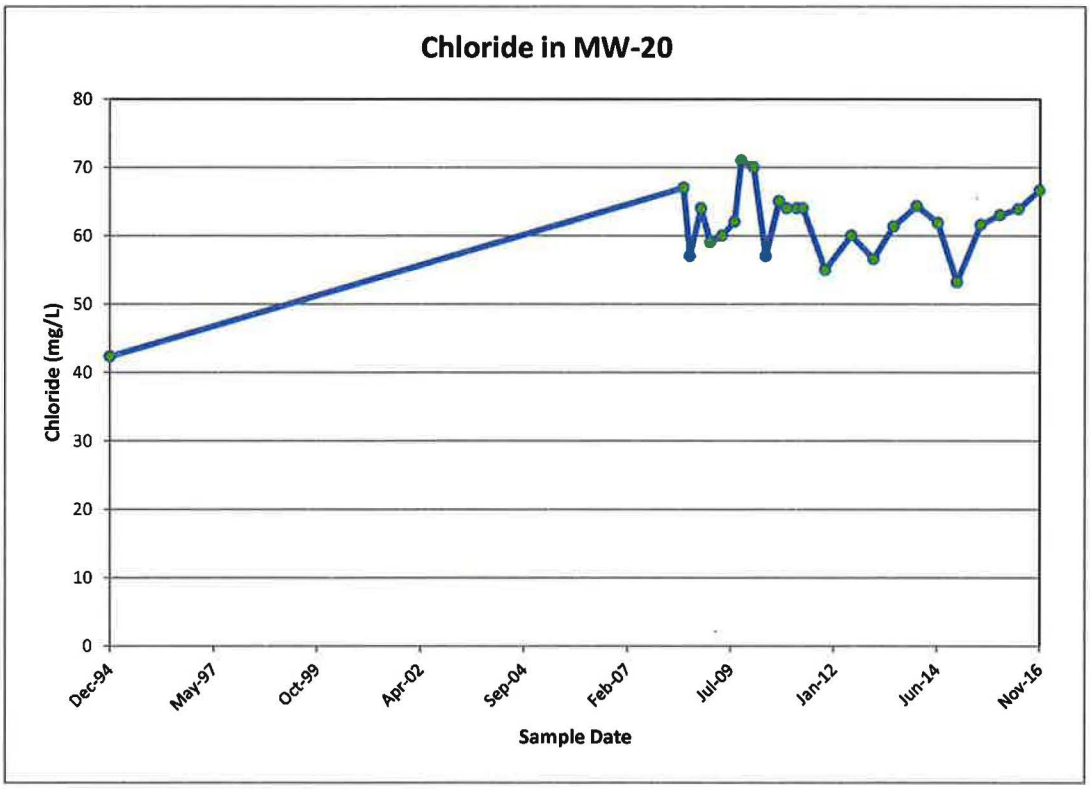


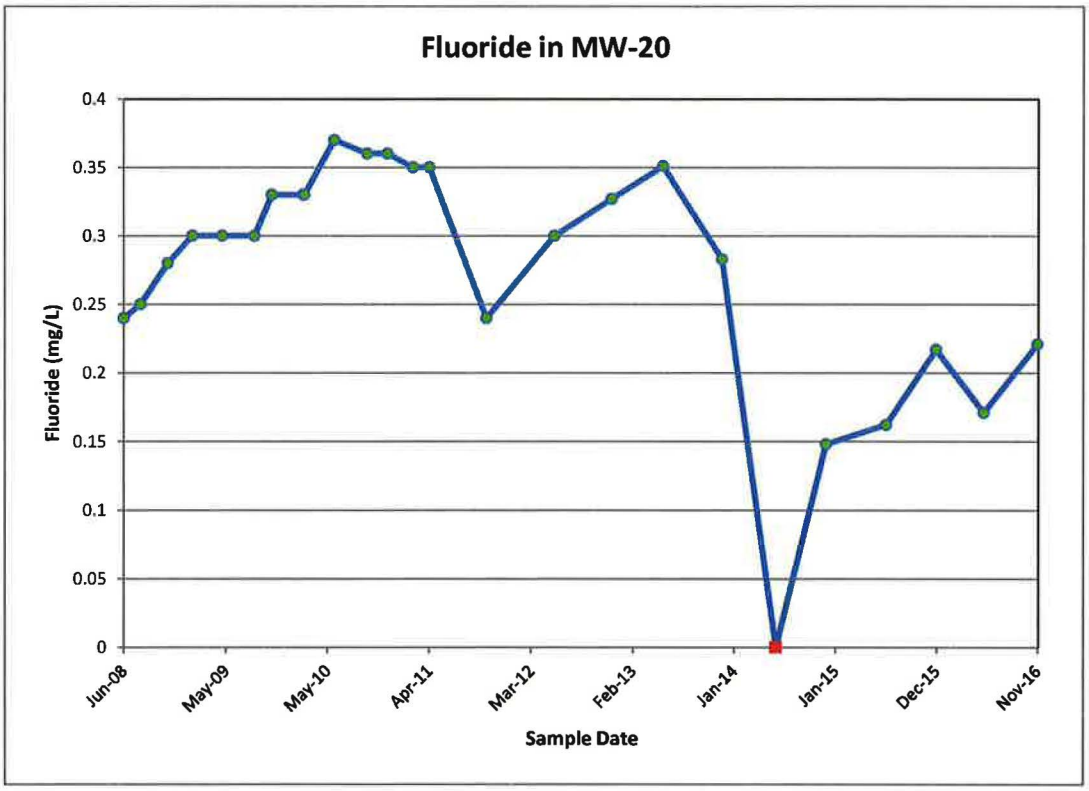
Time concentration plots for MW-19



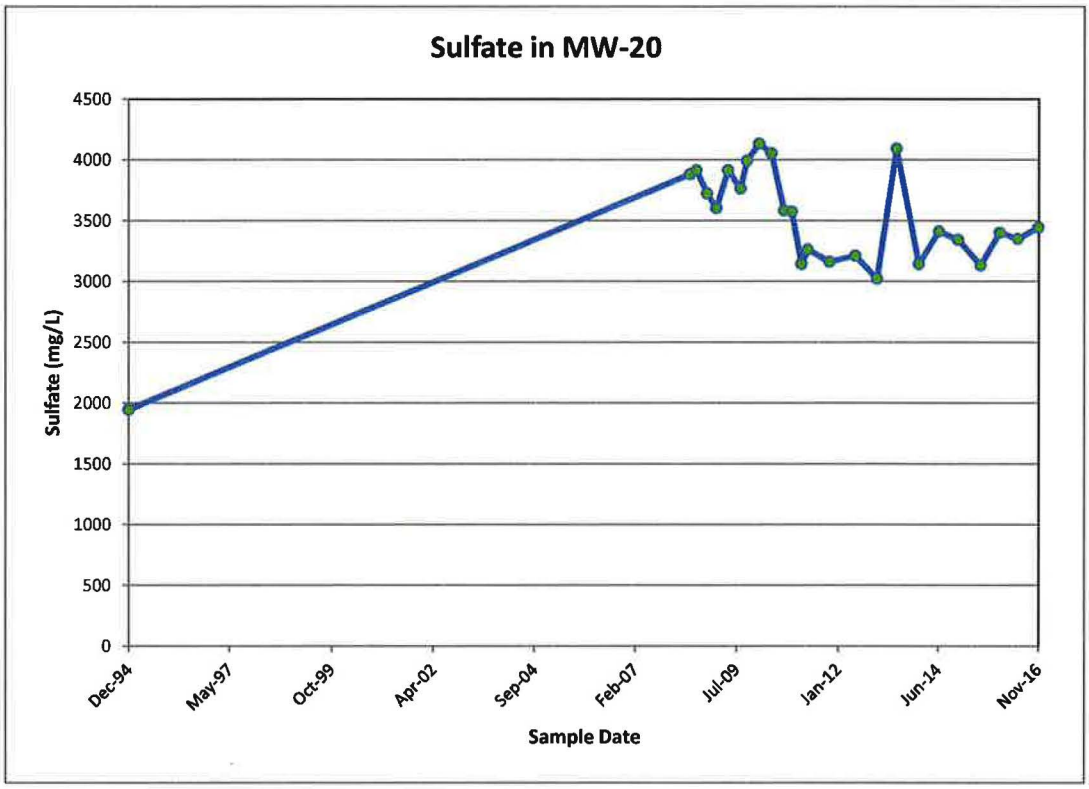


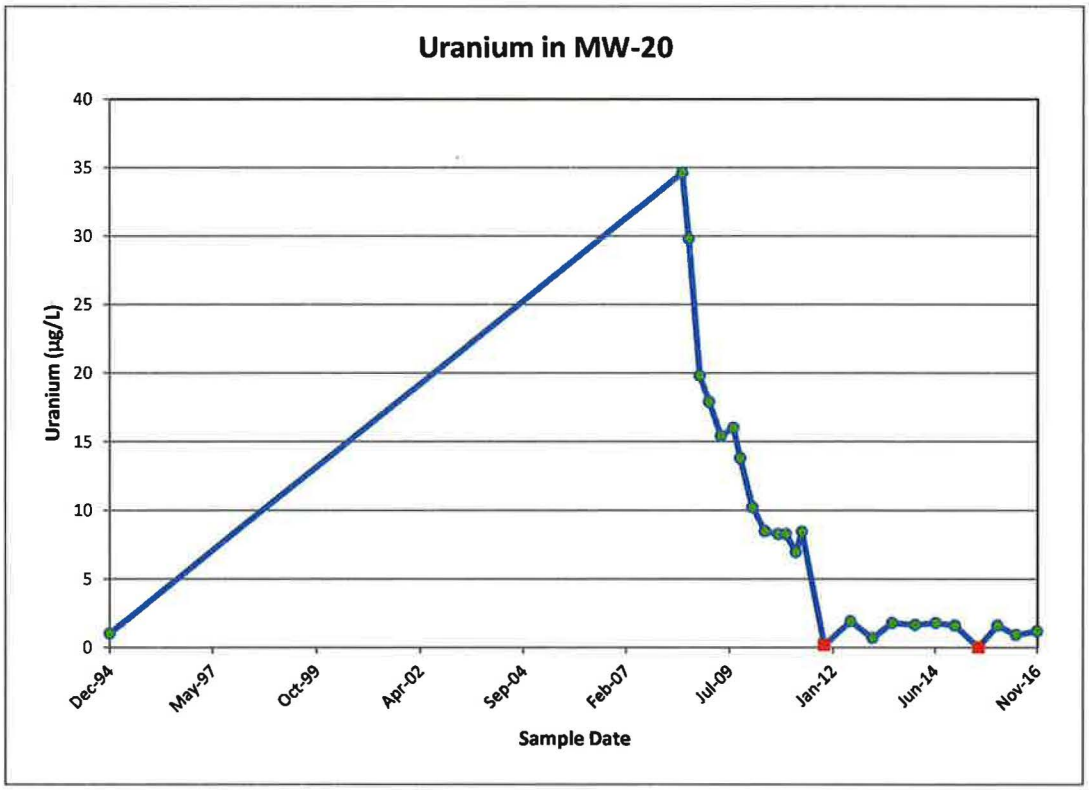
Time concentration plots for MW-20



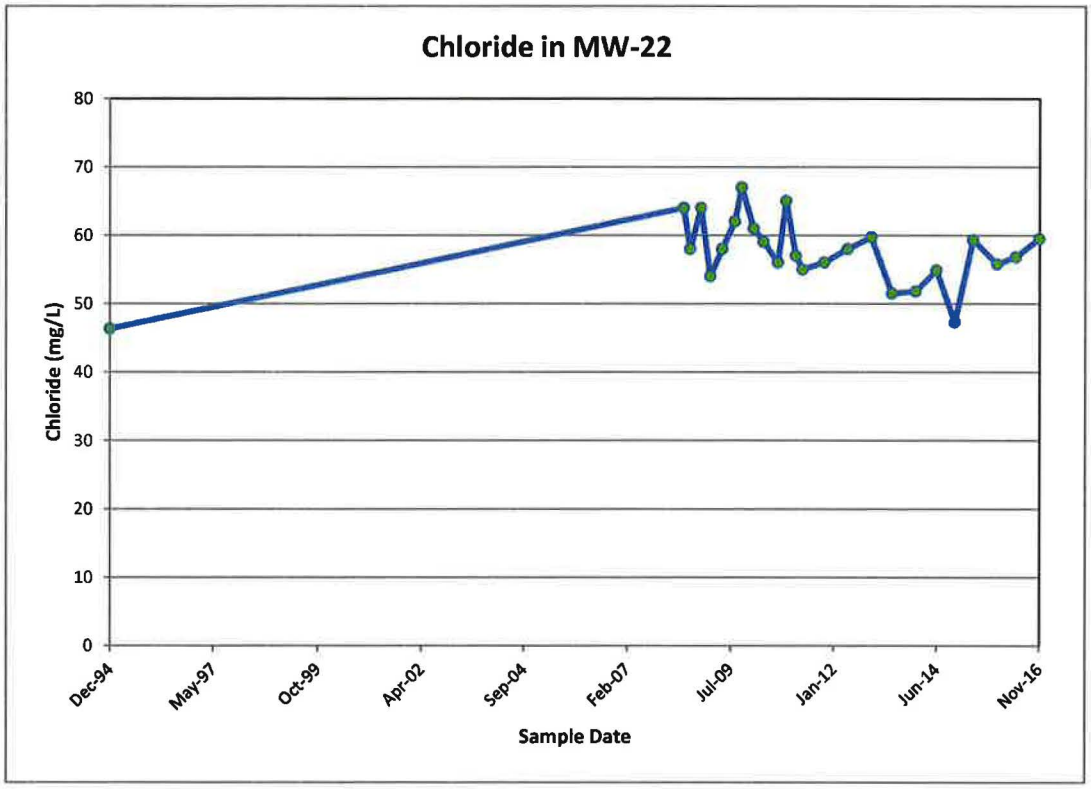


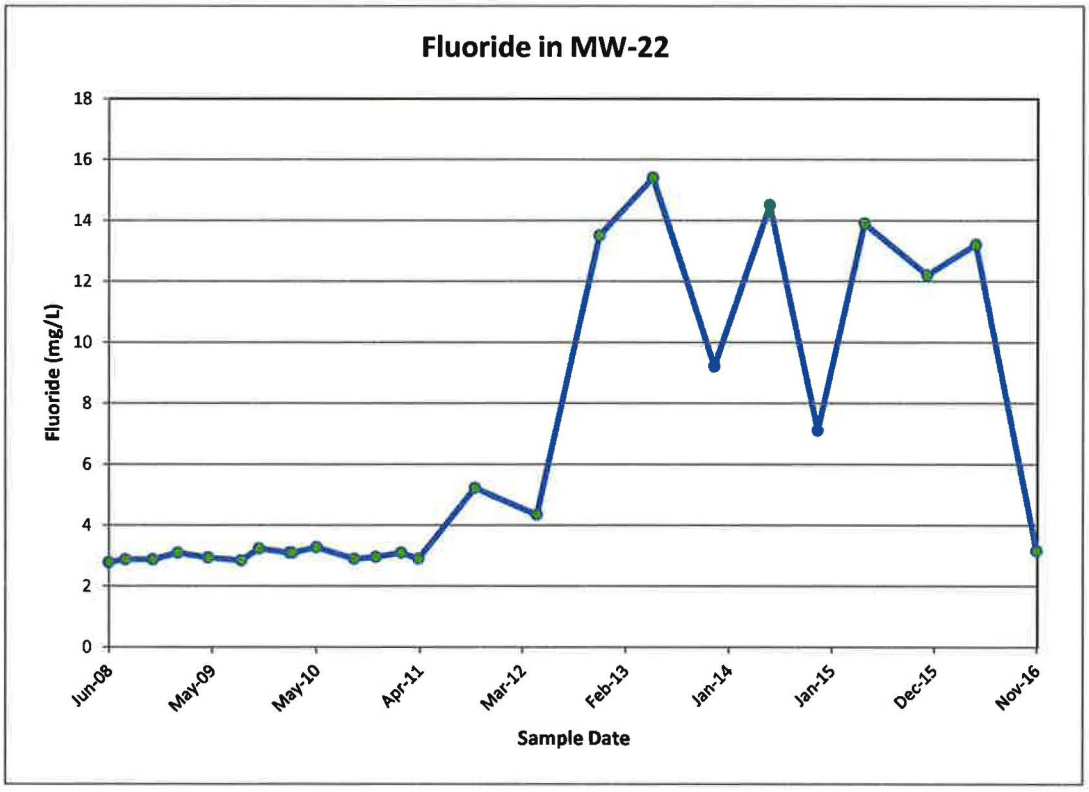
Time concentration plots for MW-20



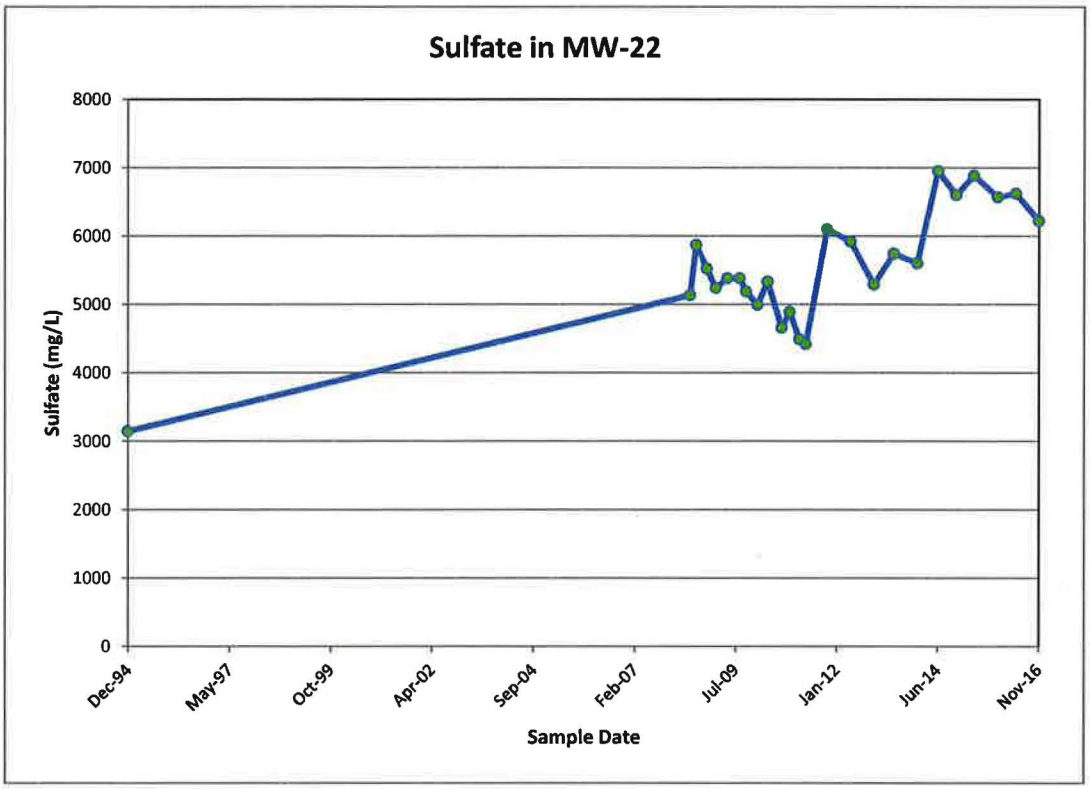


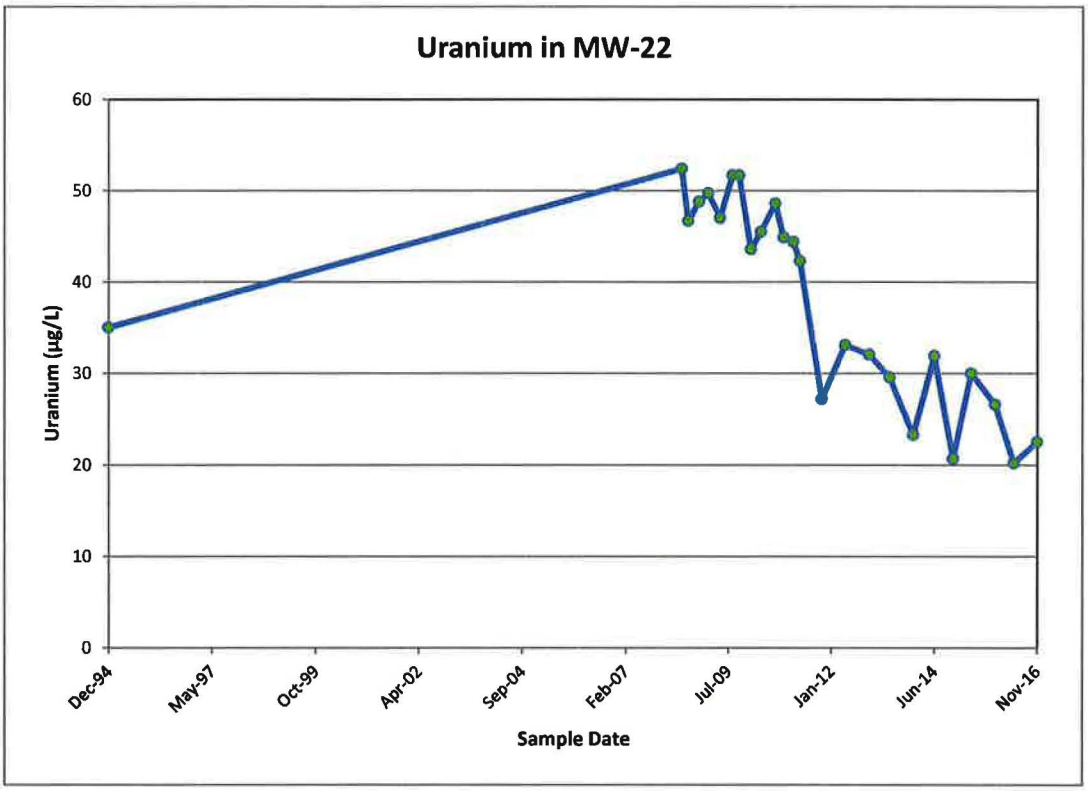
Time concentration plots for MW-22



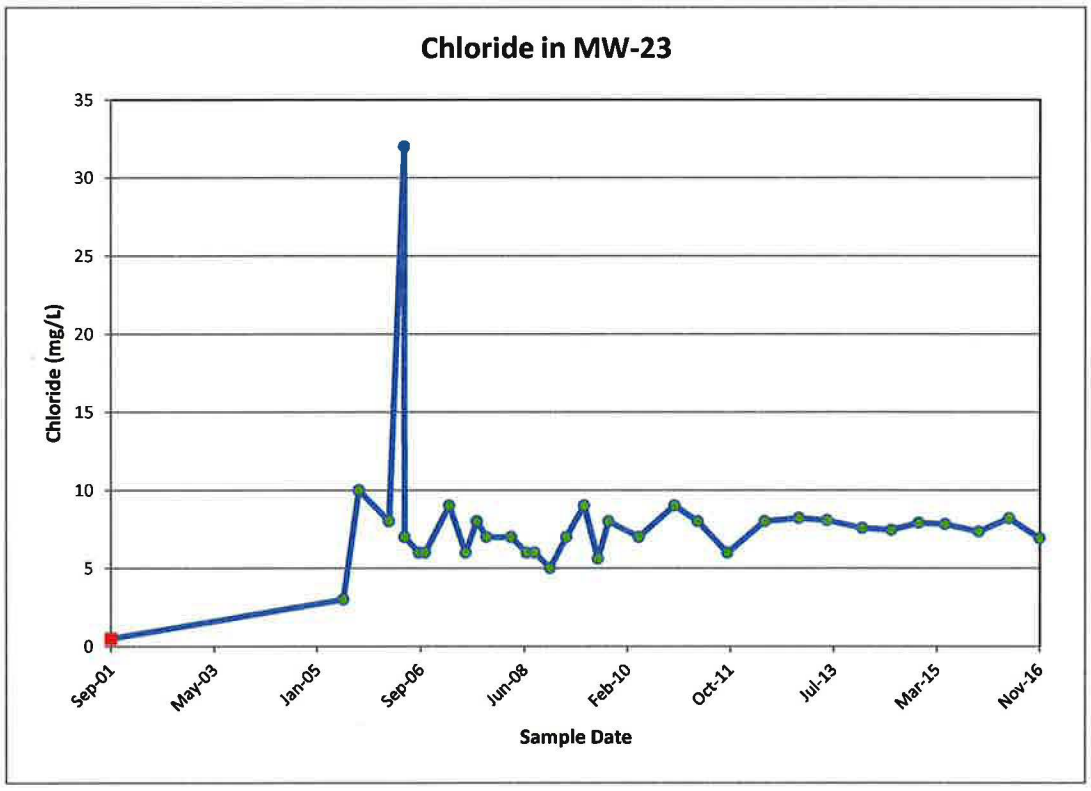


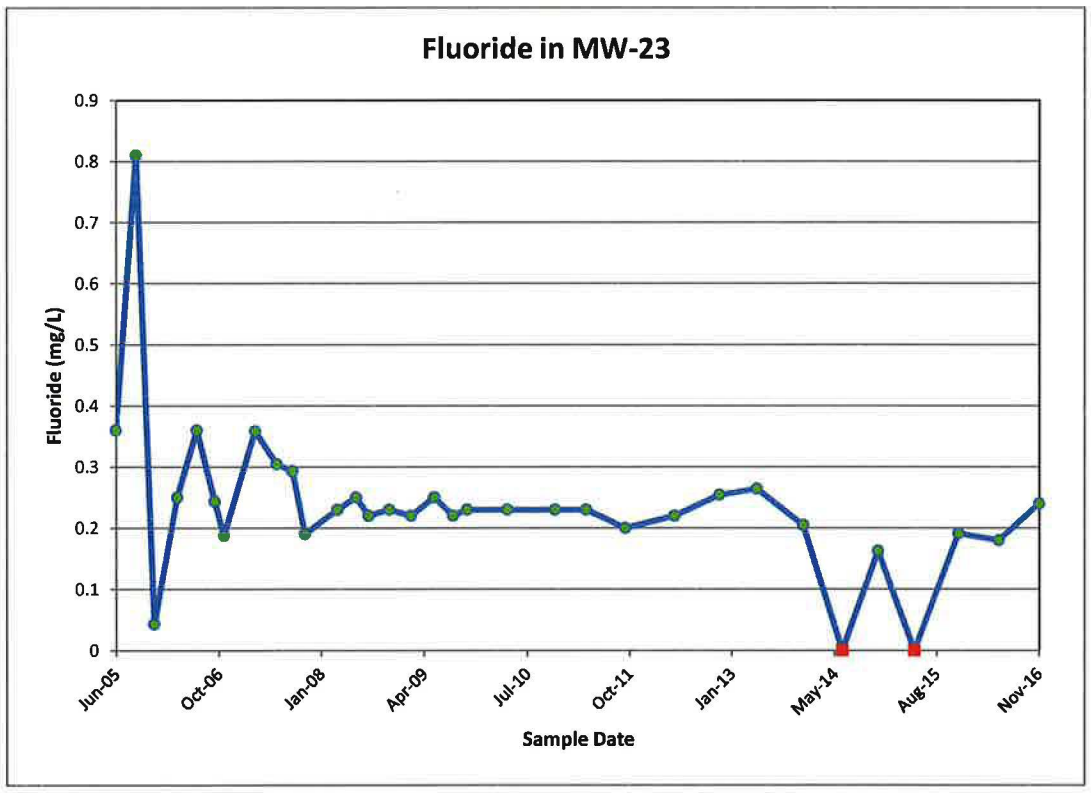
Time concentration plots for MW-22



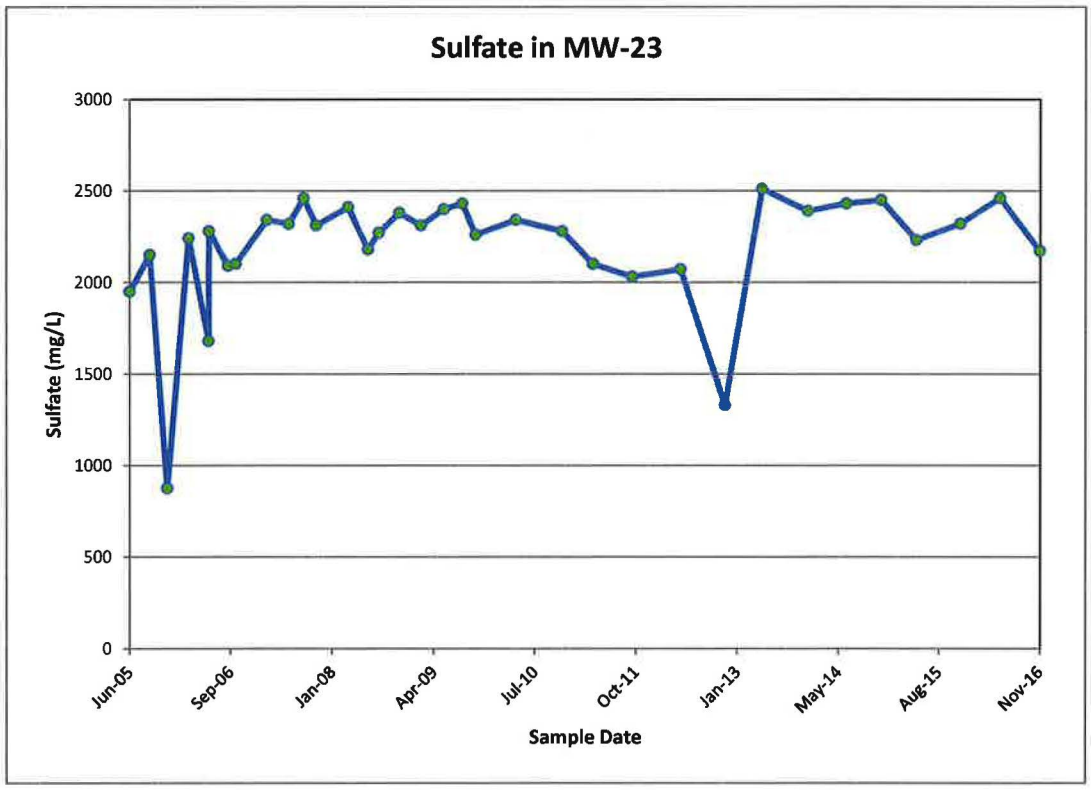


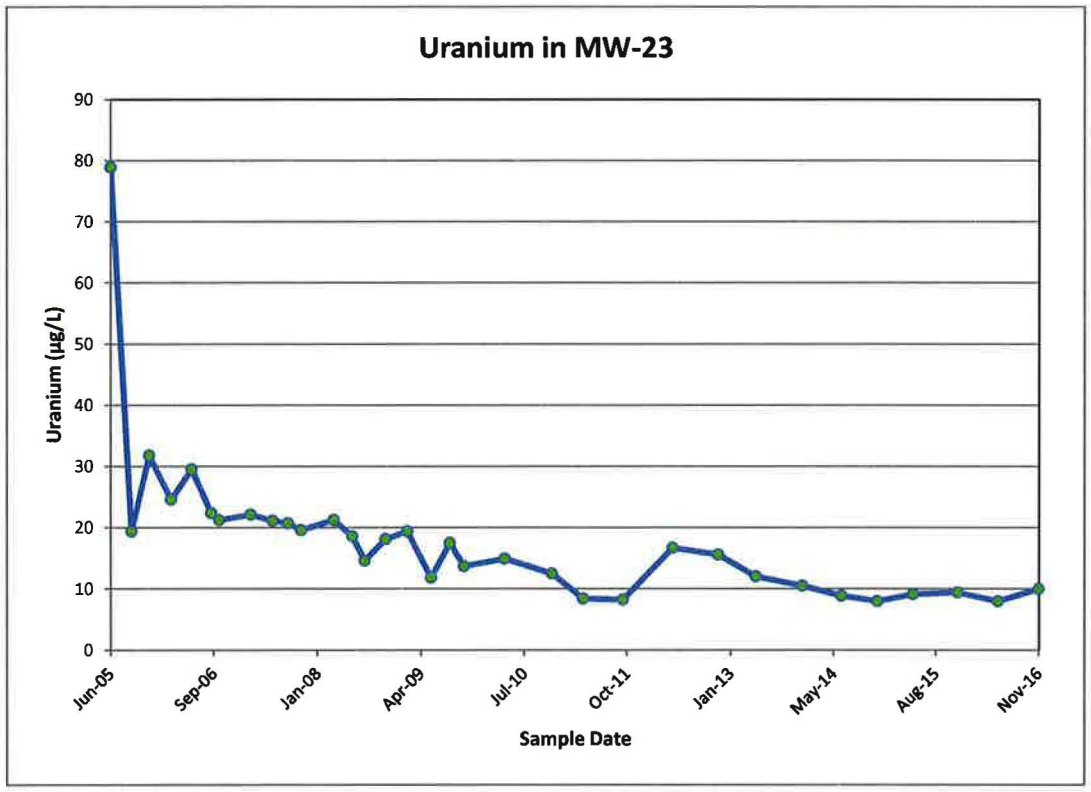
Time concentration plots for MW-23



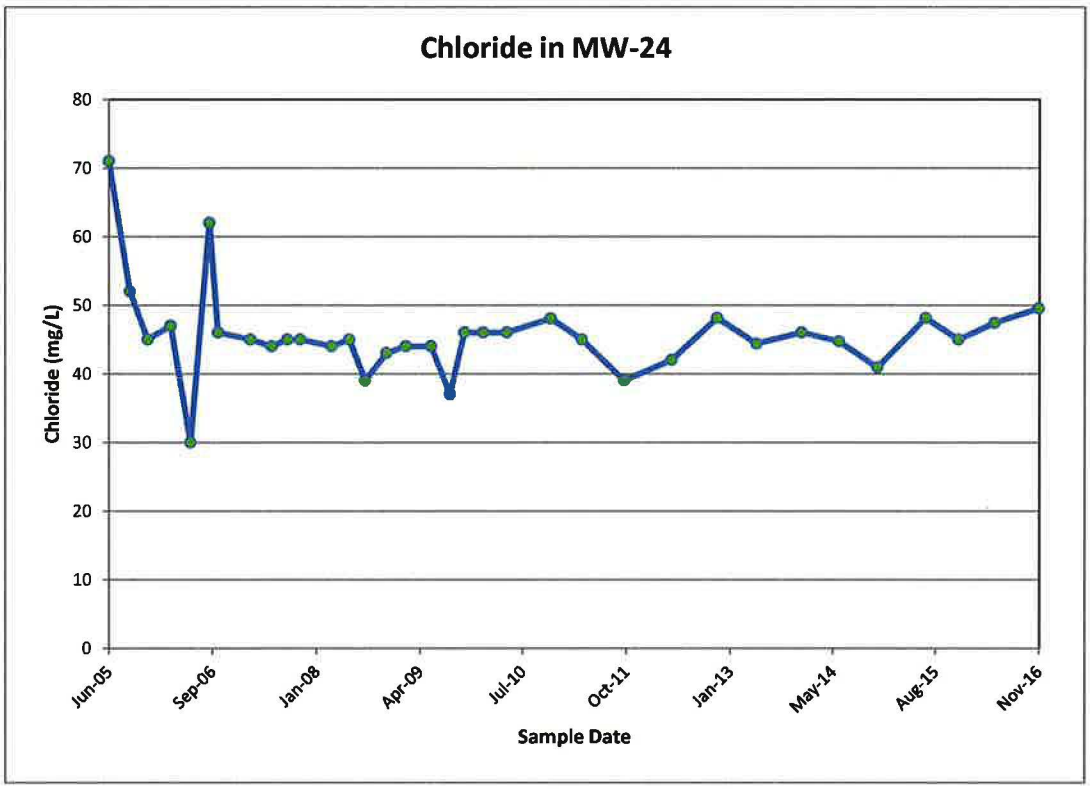


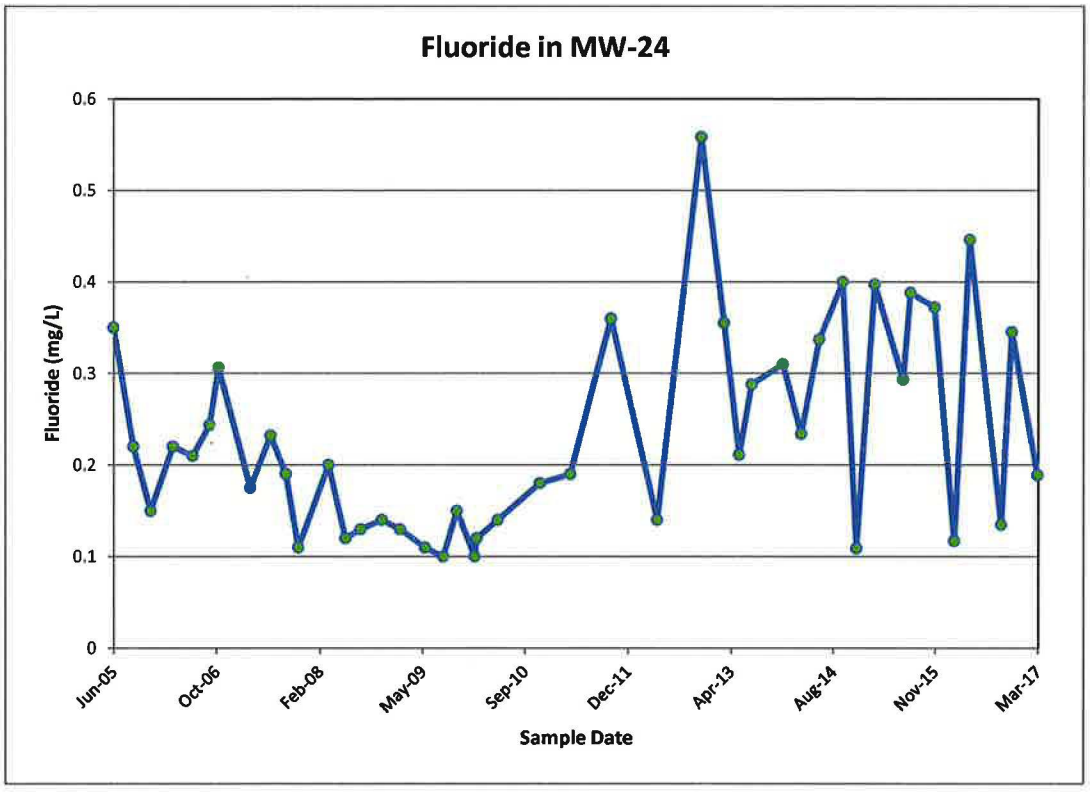
Time concentration plots for MW-23



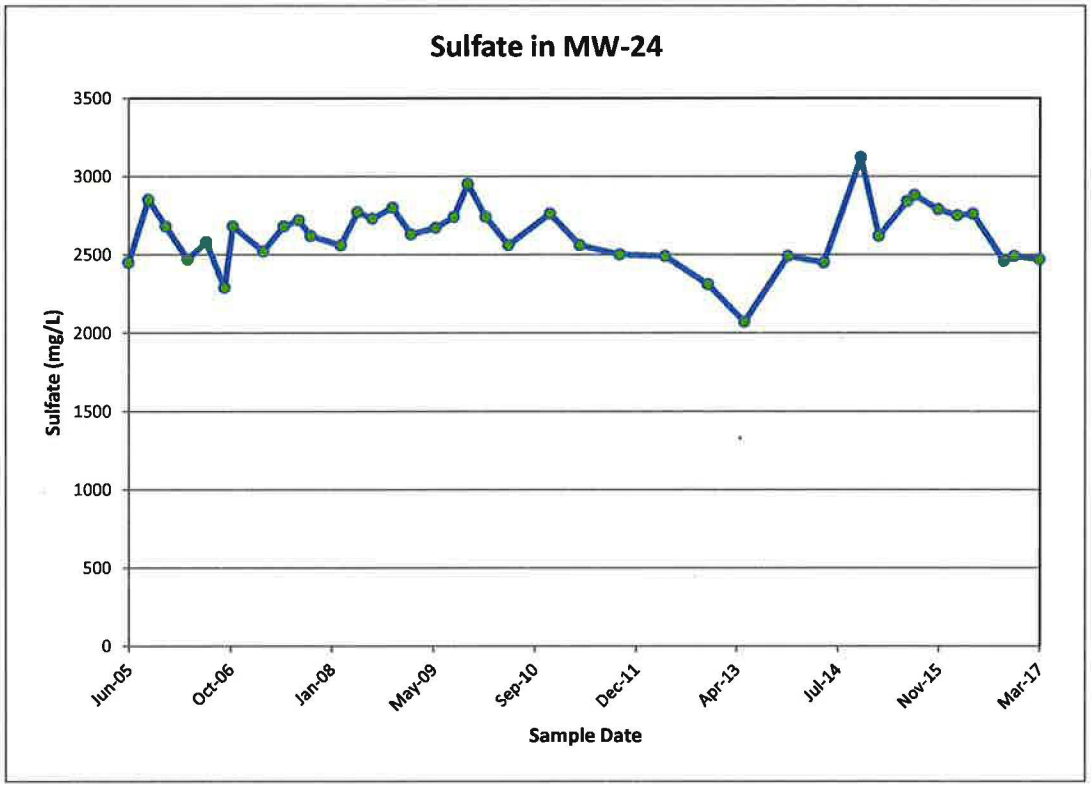


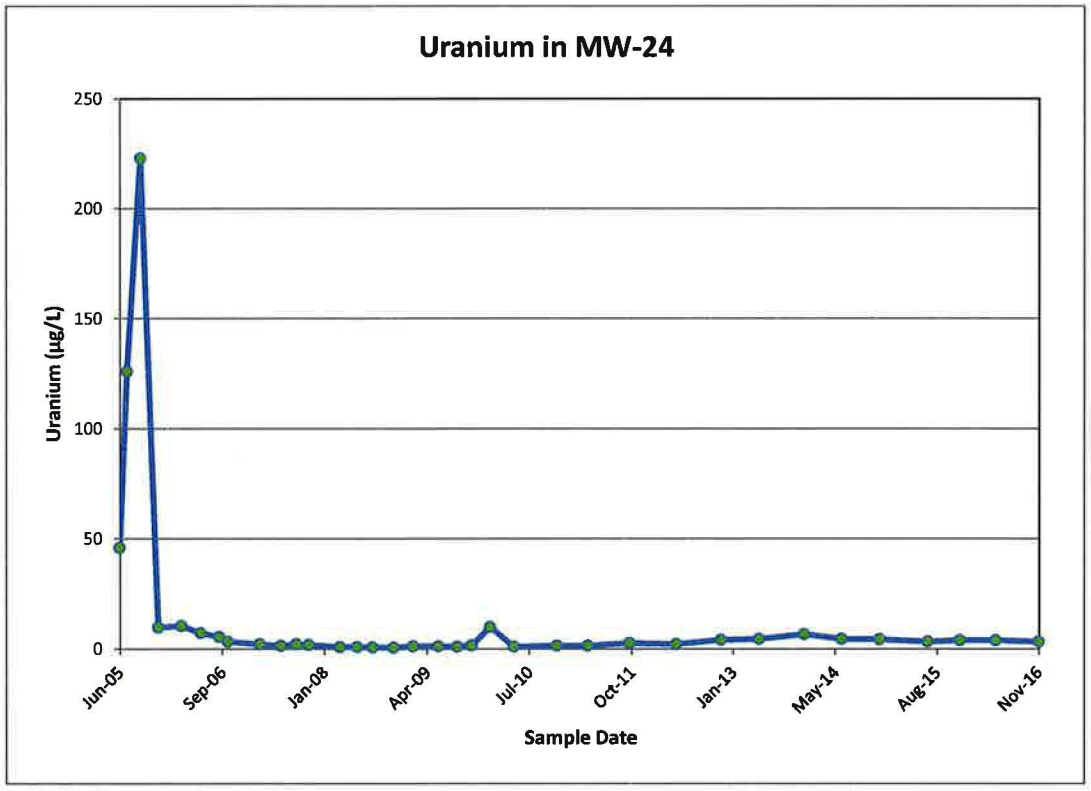
Time concentration plots for MW-24



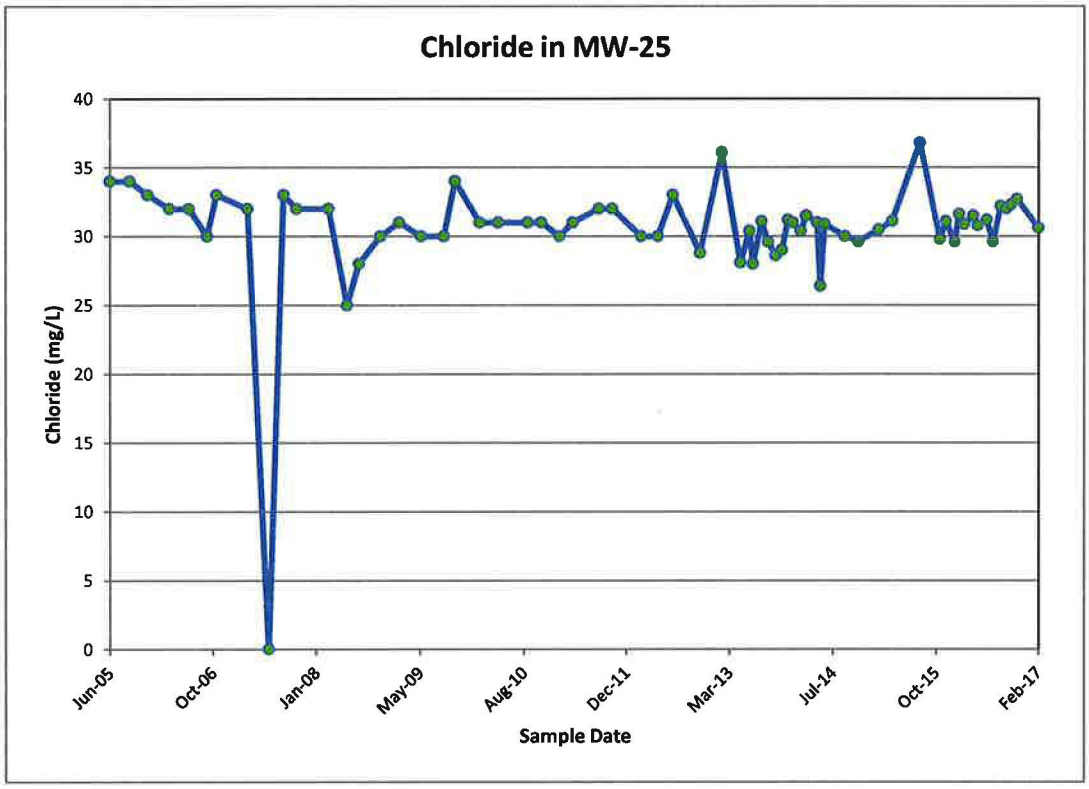


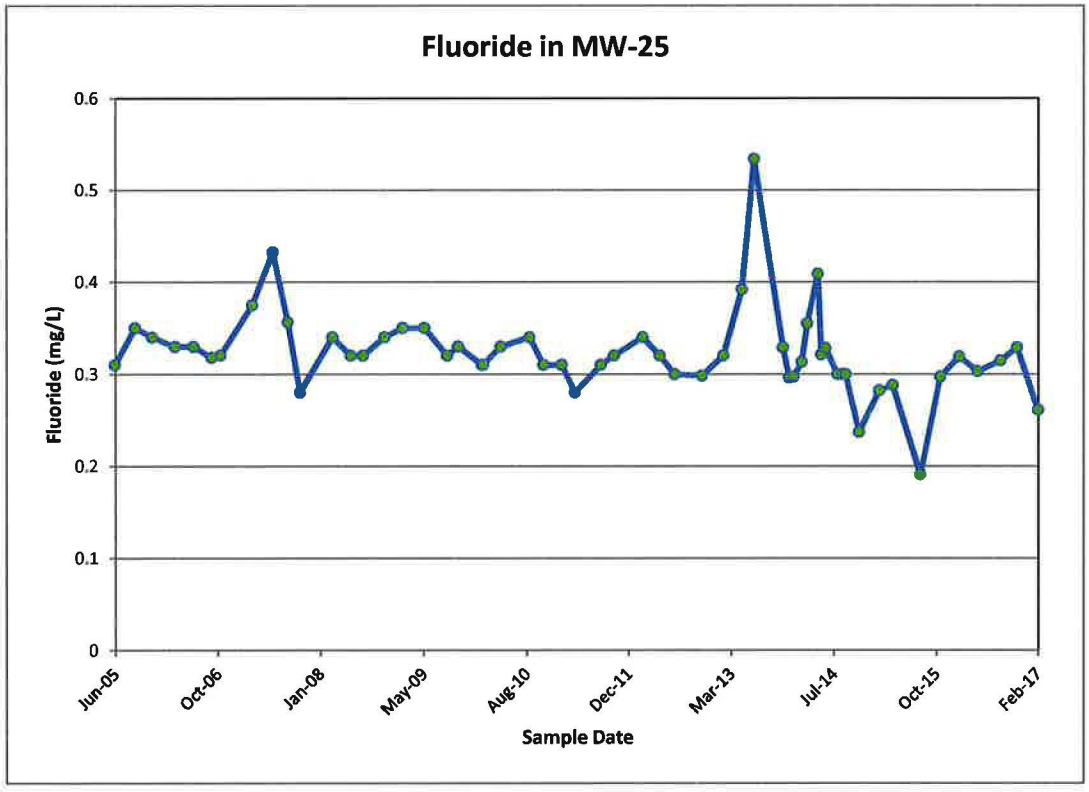
Time concentration plots for MW-24



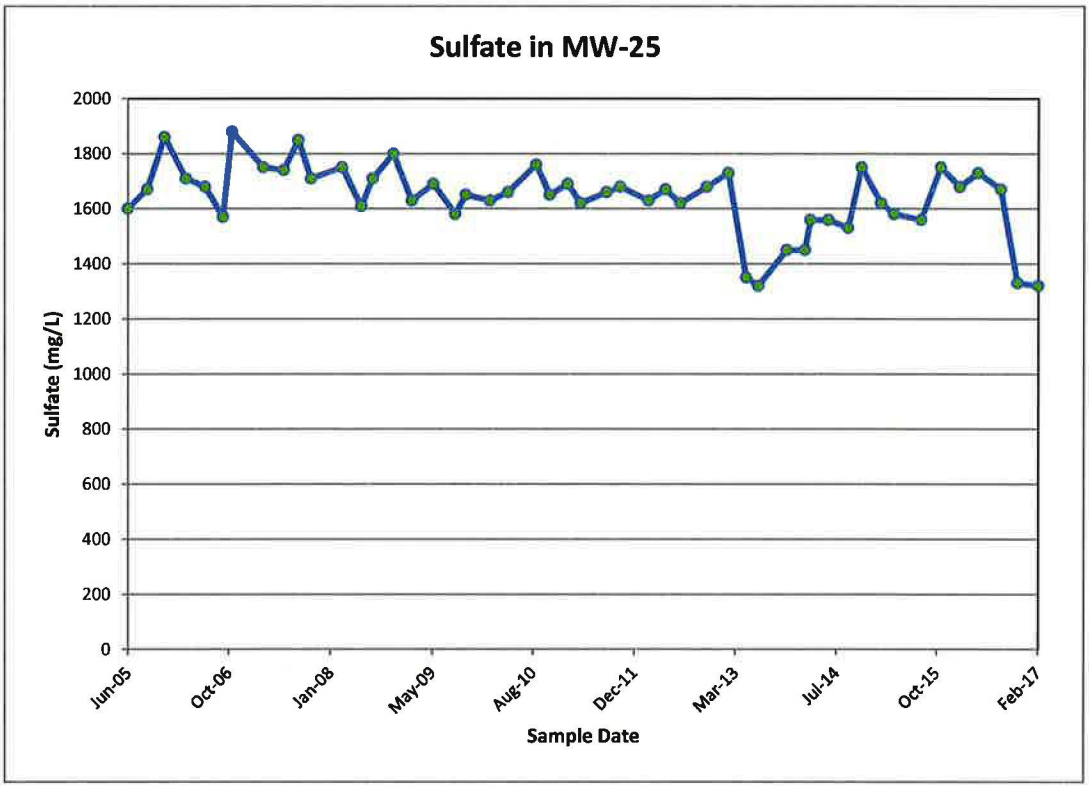


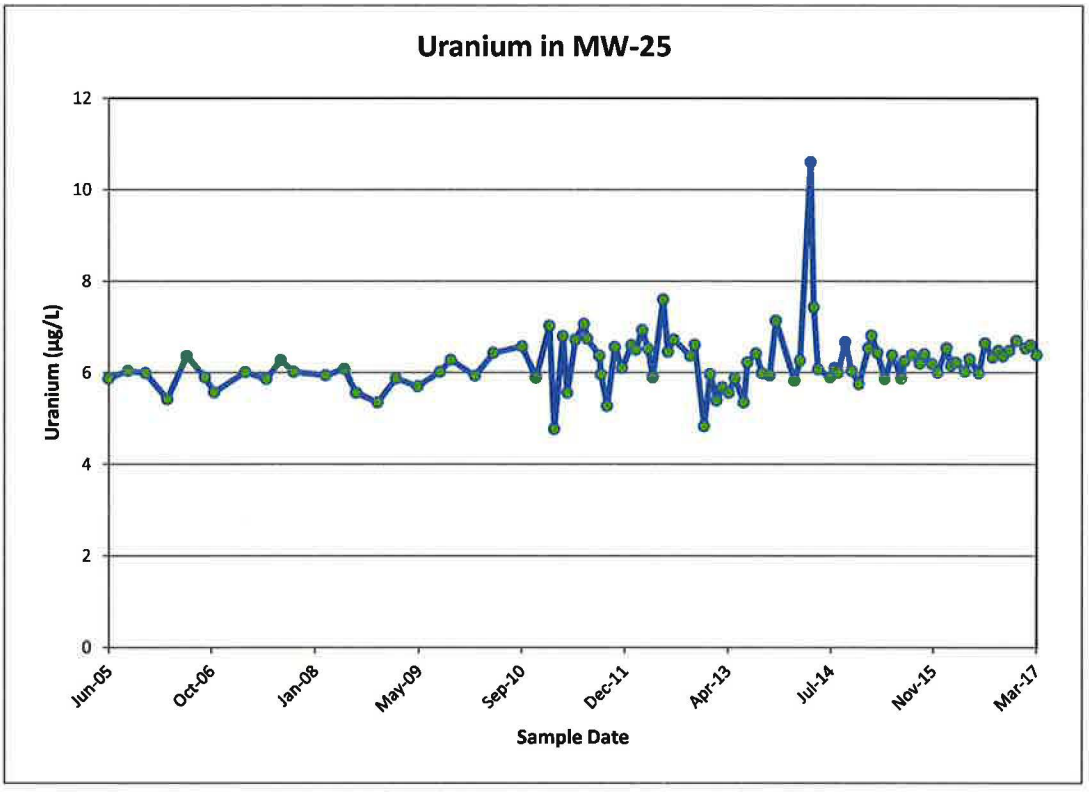
Time concentration plots for MW-25



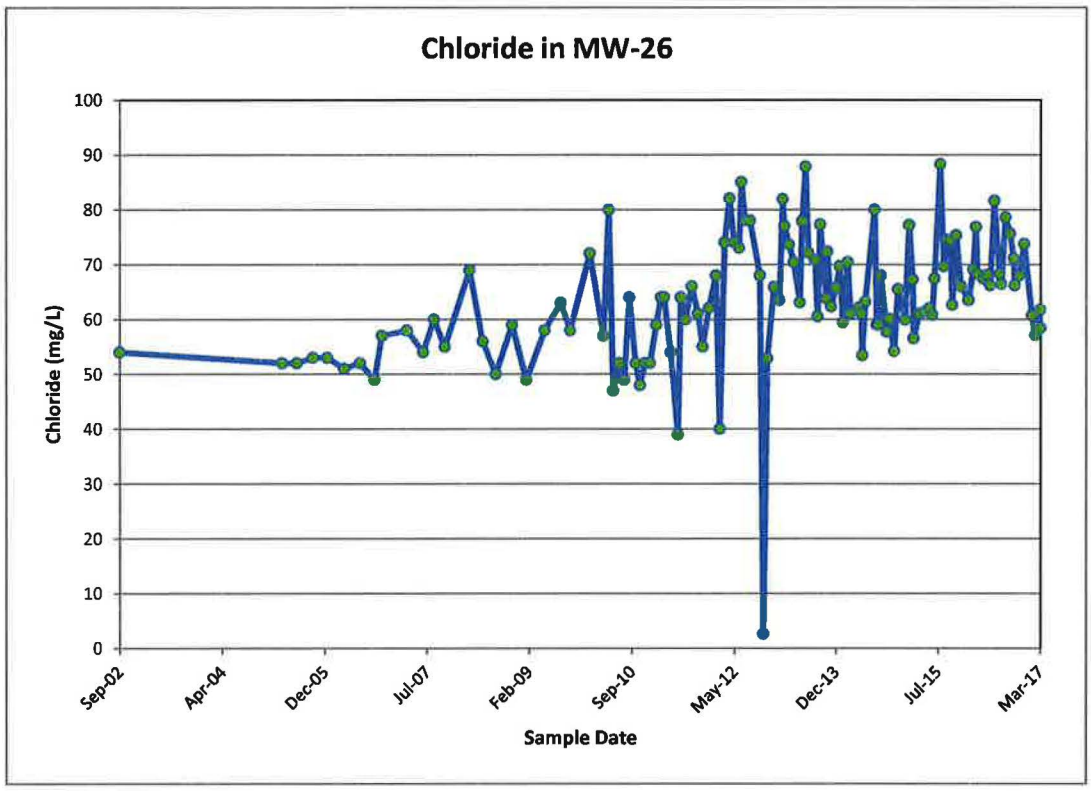


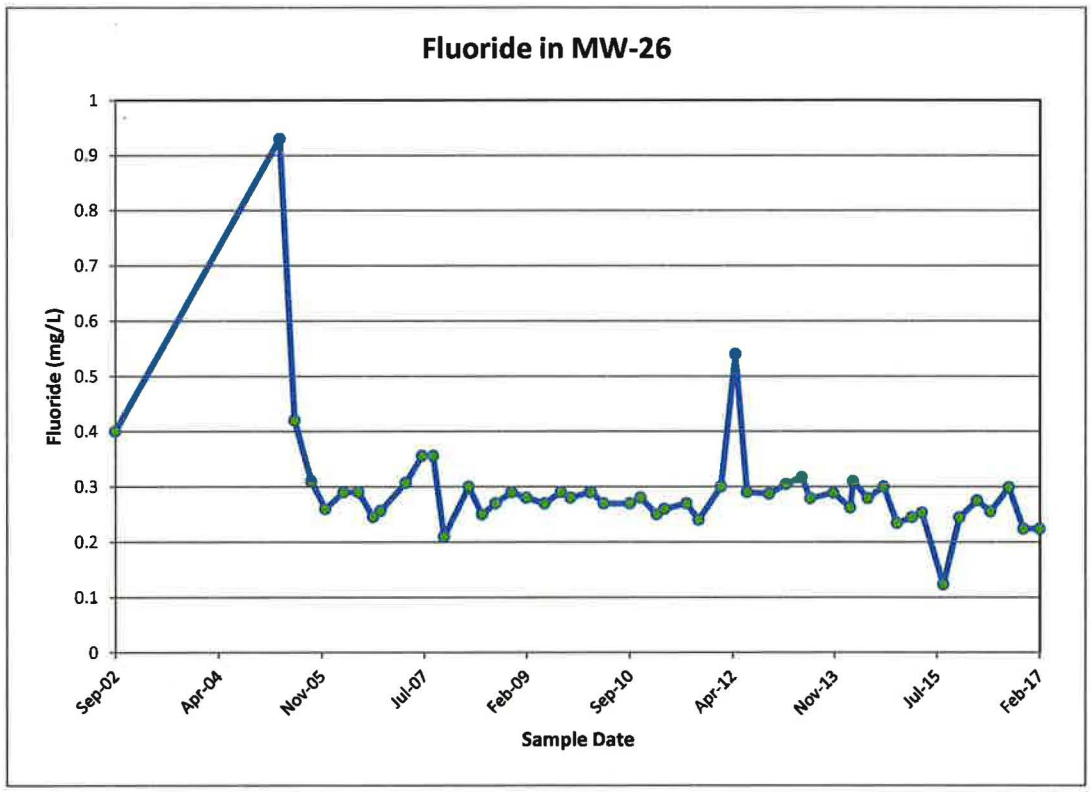
Time concentration plots for MW-25



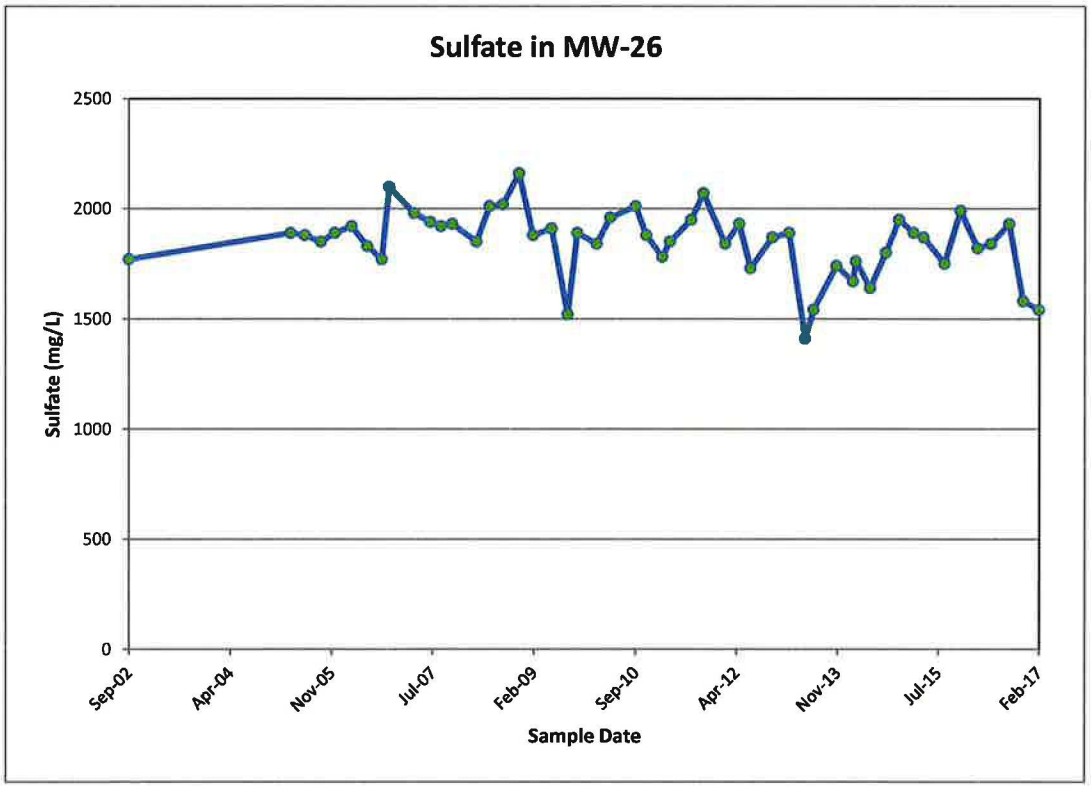


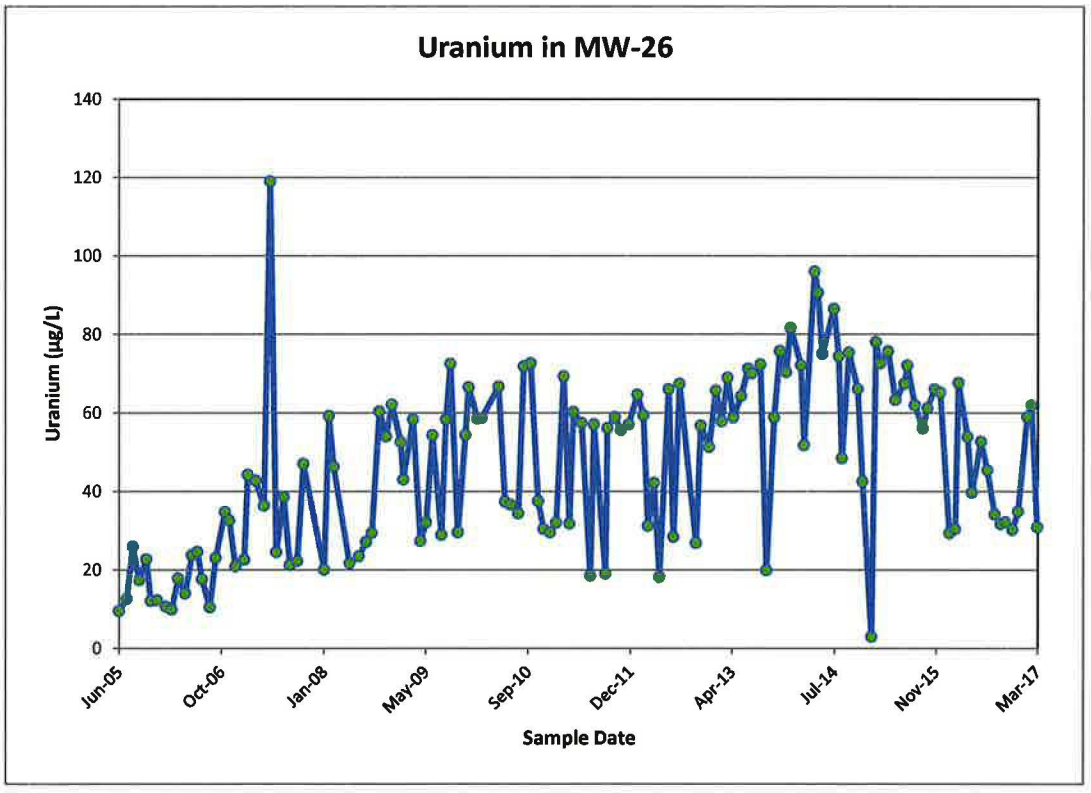
Time concentration plots for MW-26



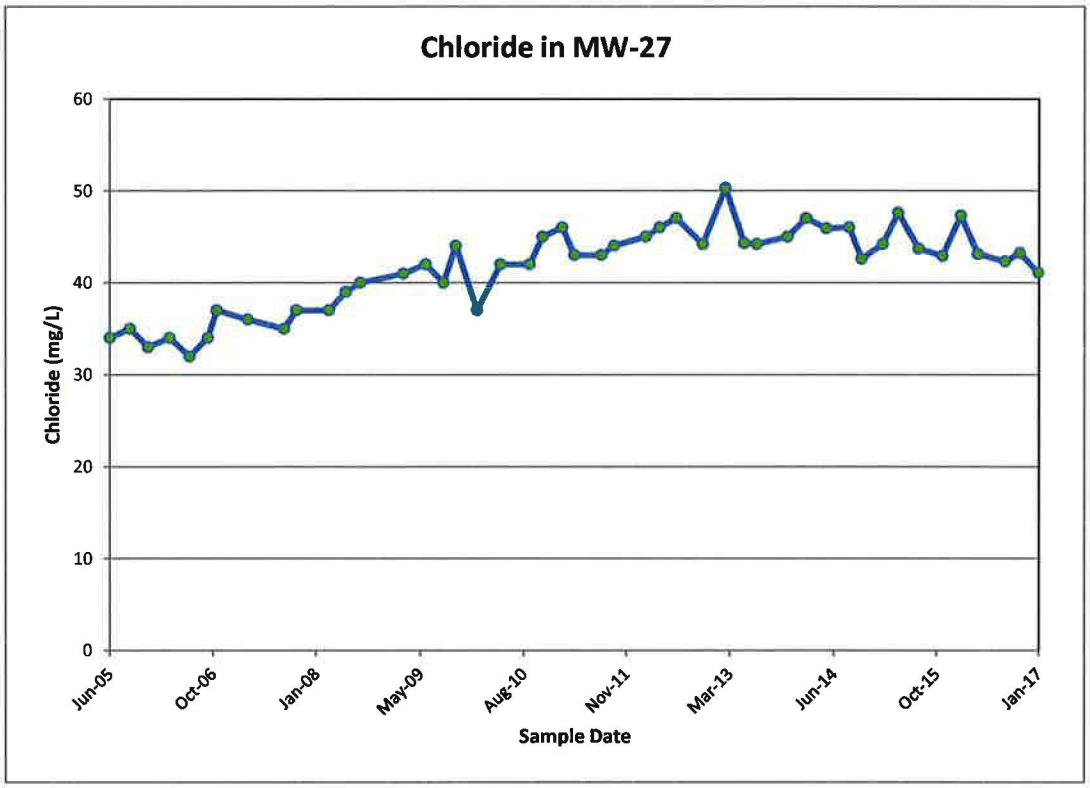


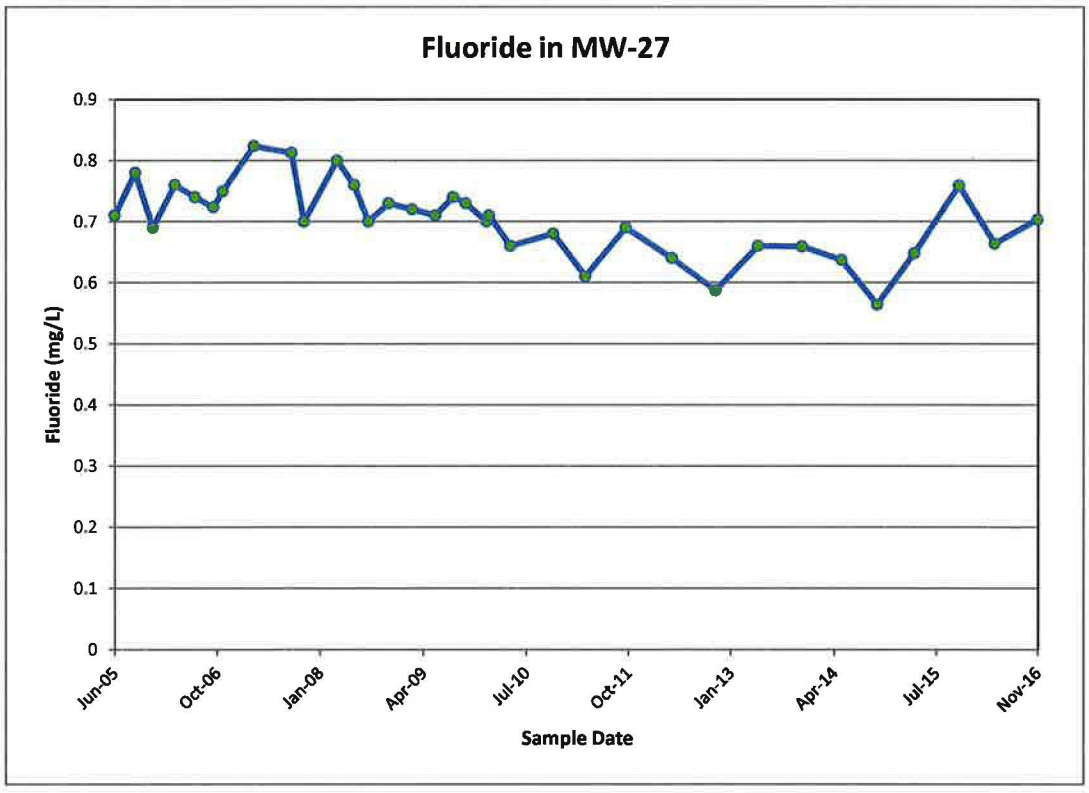
Time concentration plots for MW-26



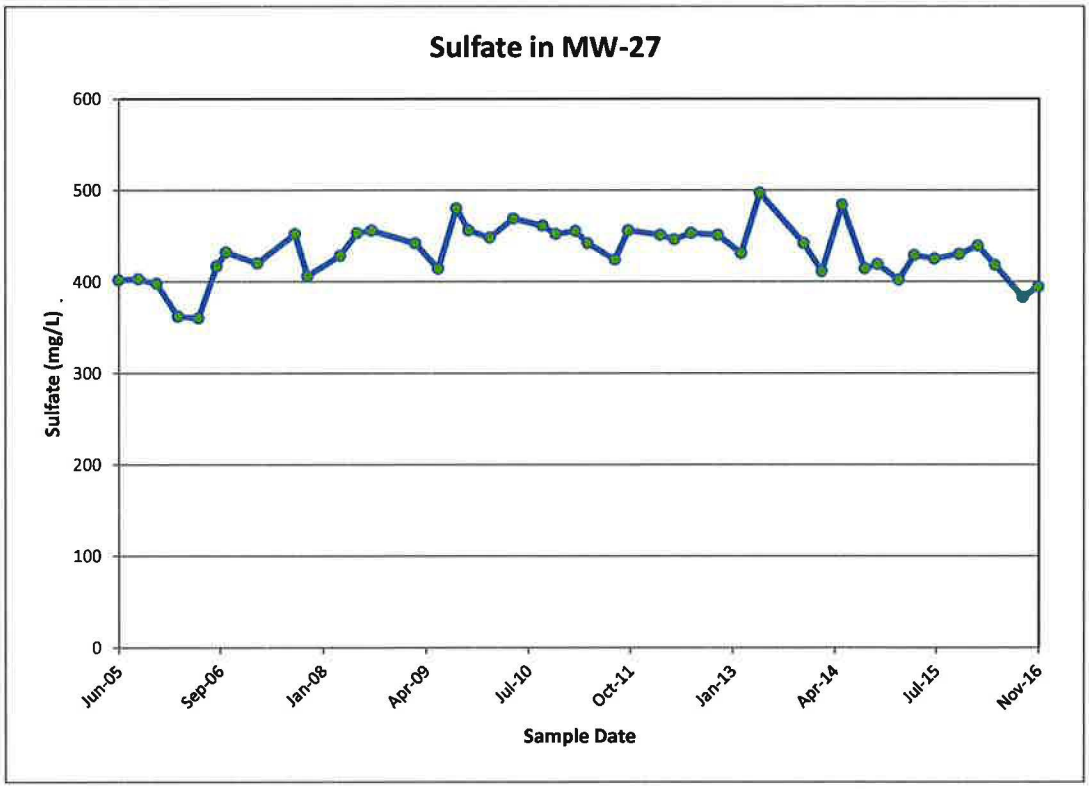


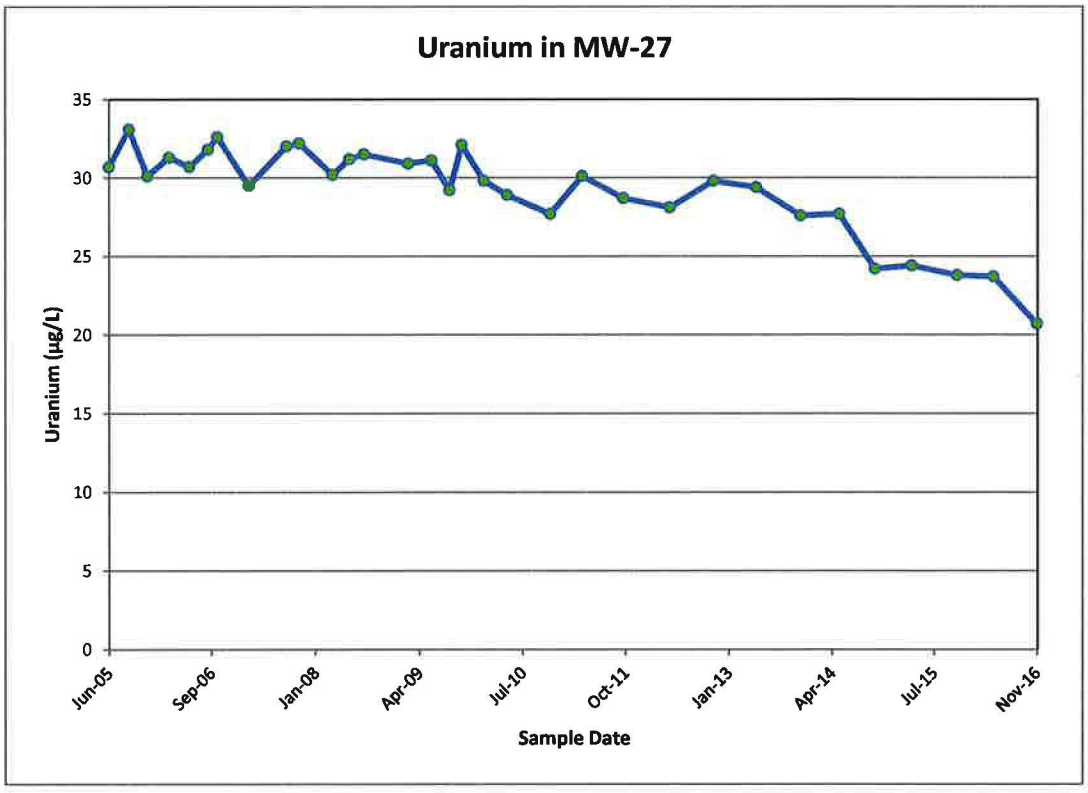
Time concentration plots for MW-27



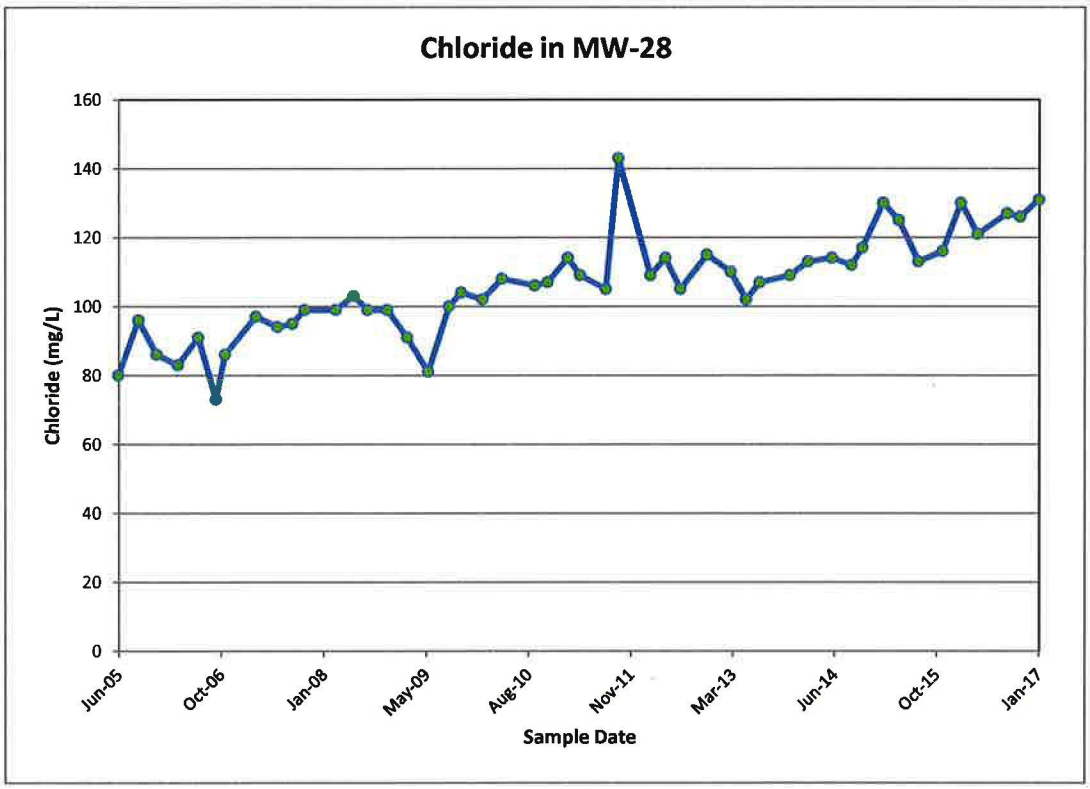


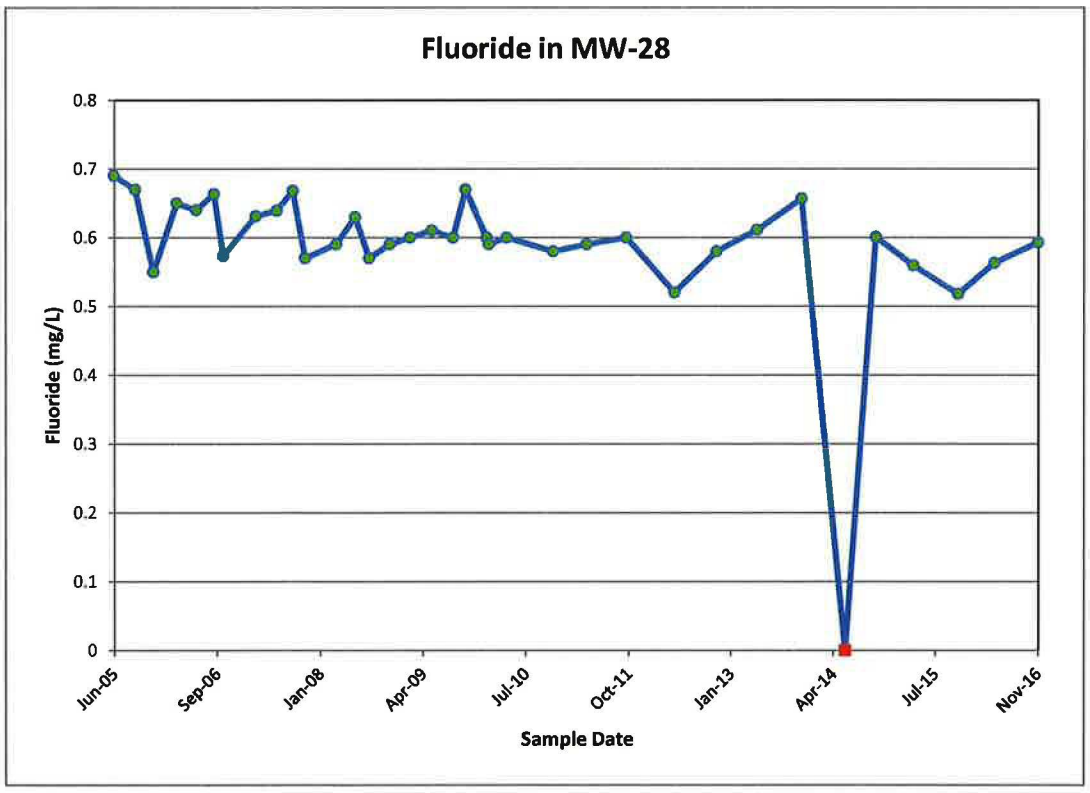
Time concentration plots for MW-27





Time concentration plots for MW-28

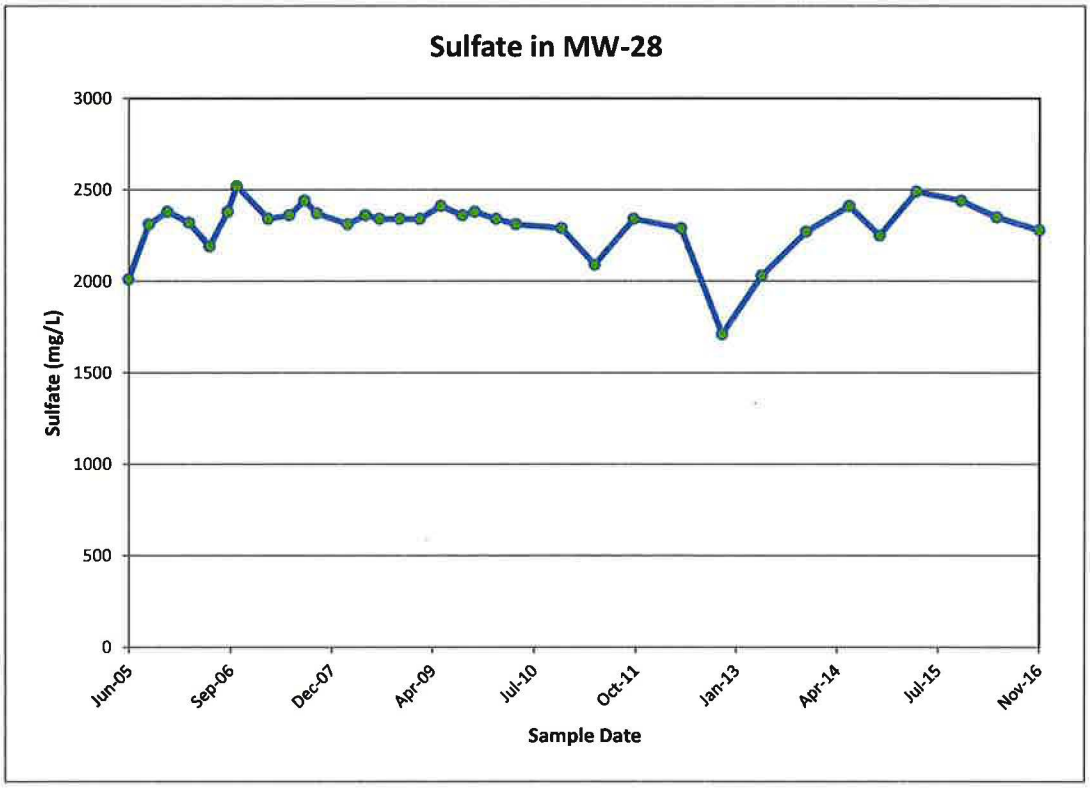


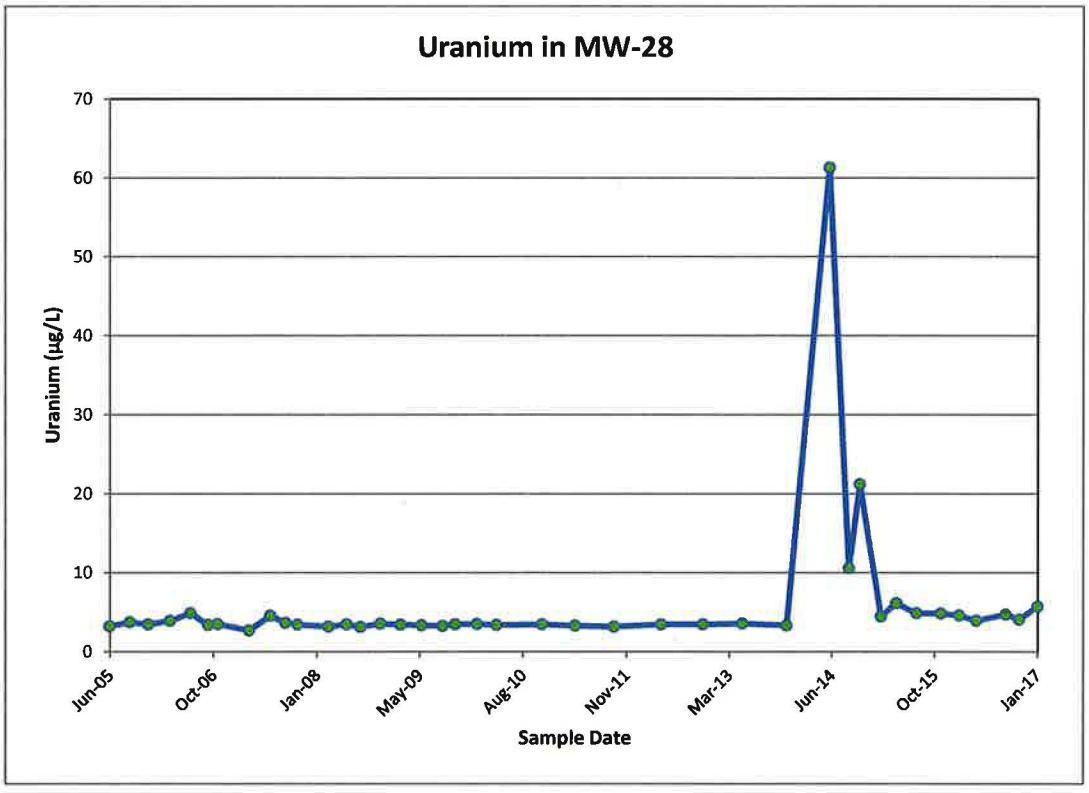


Detected Values

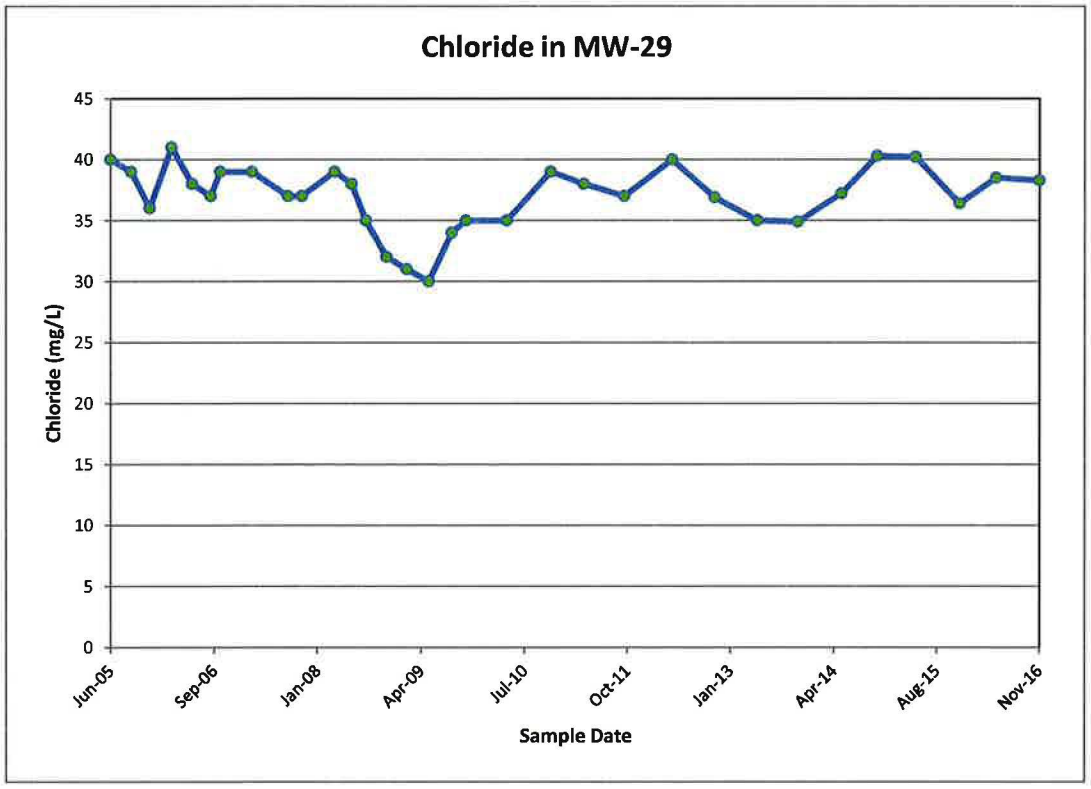
Non-Detected Values

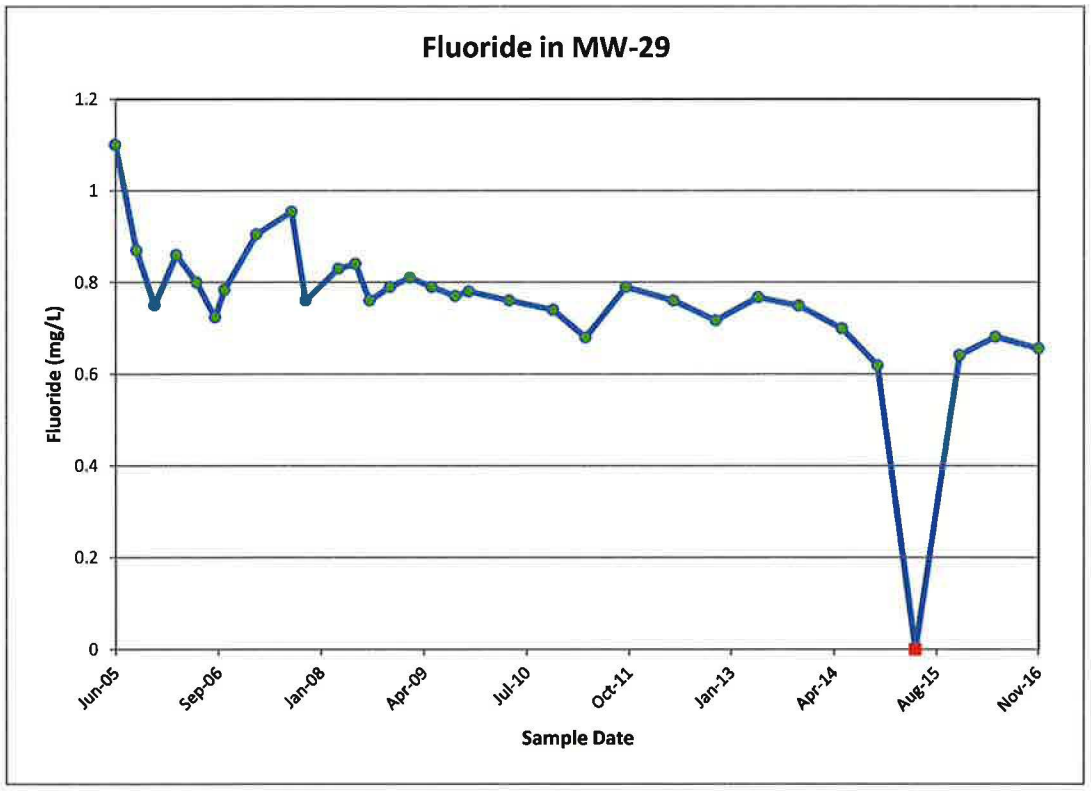
Time concentration plots for MW-28



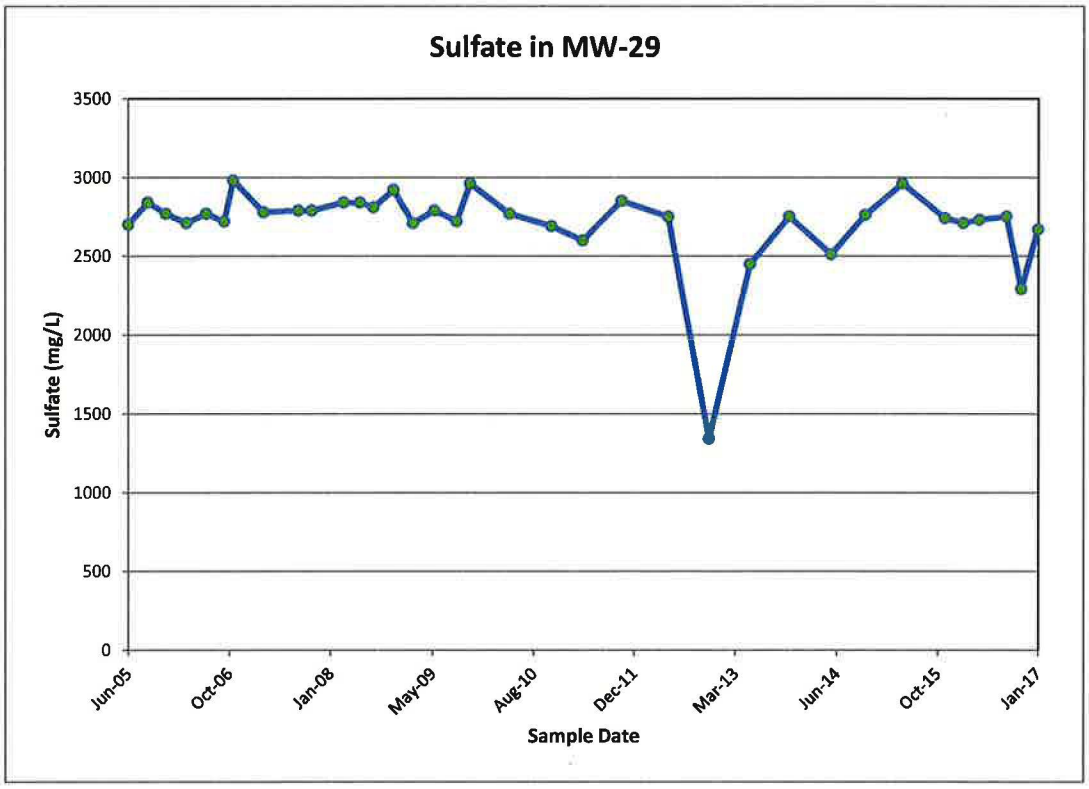


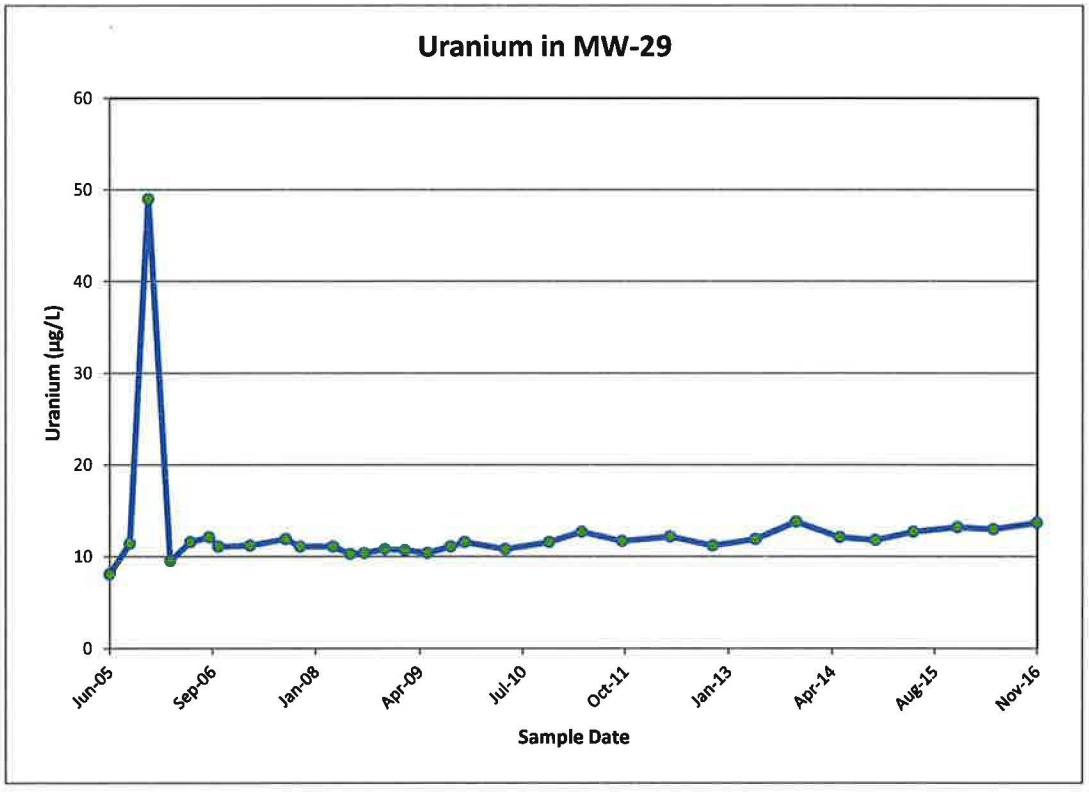
Time concentration plots for MW-29



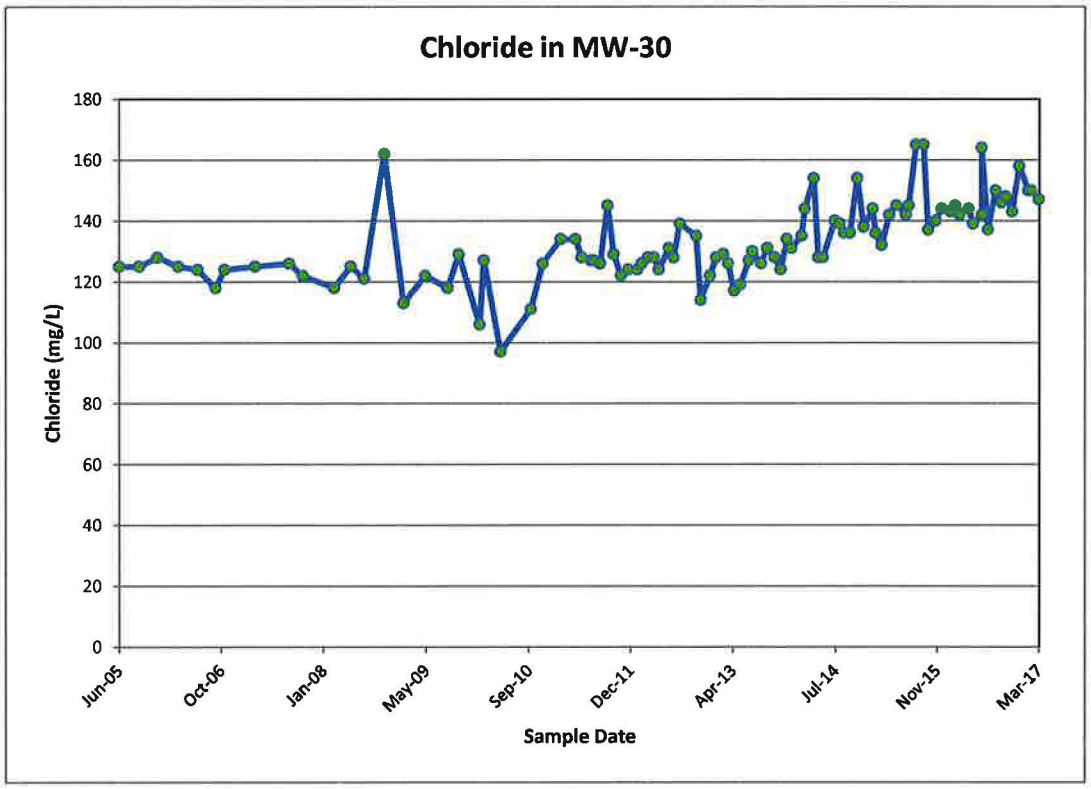


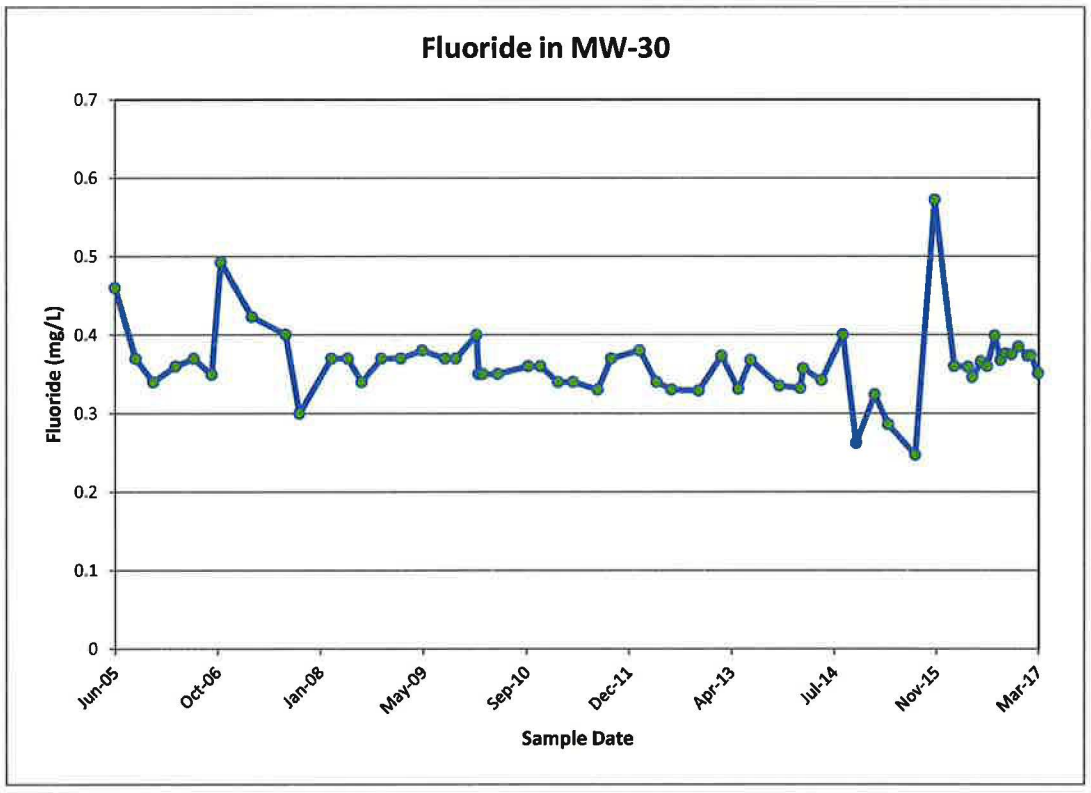
Time concentration plots for MW-29



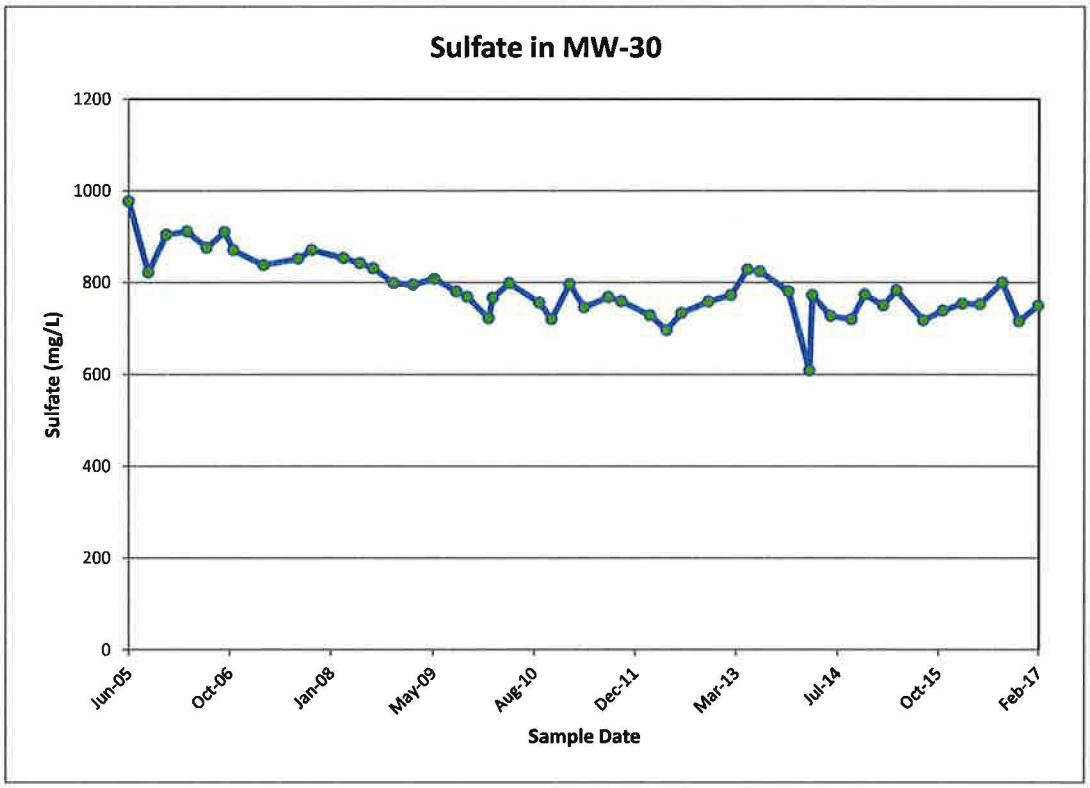


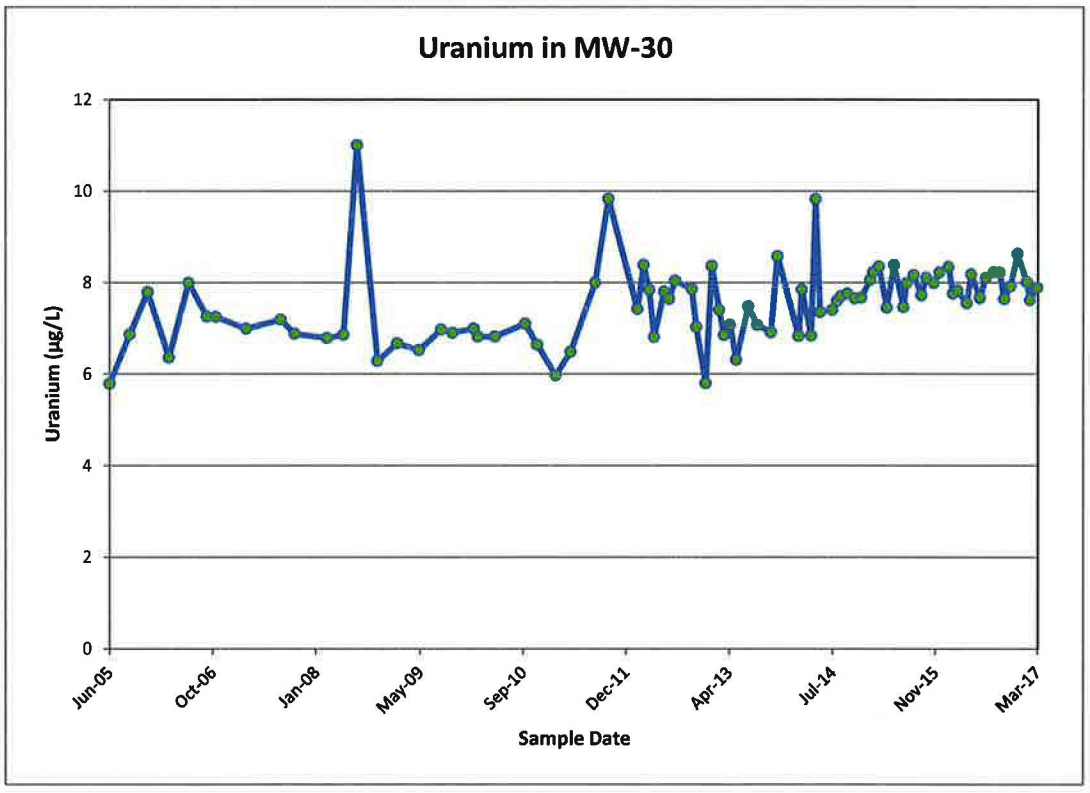
Time concentration plots for MW-30



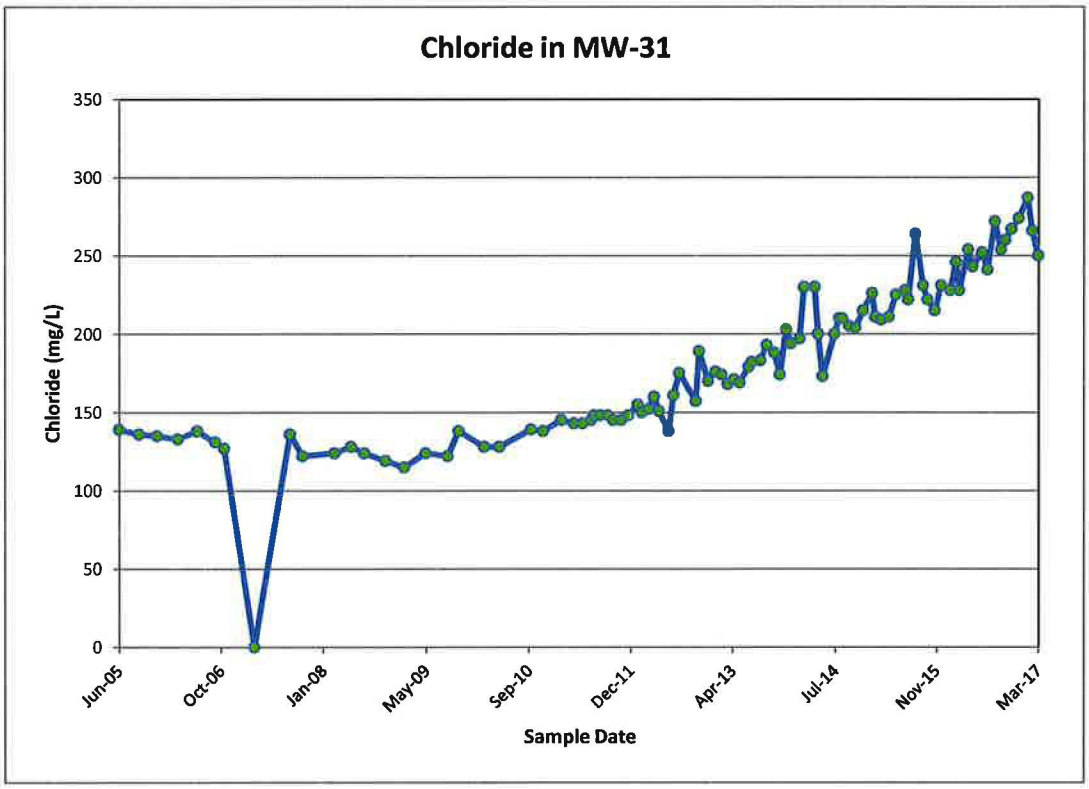


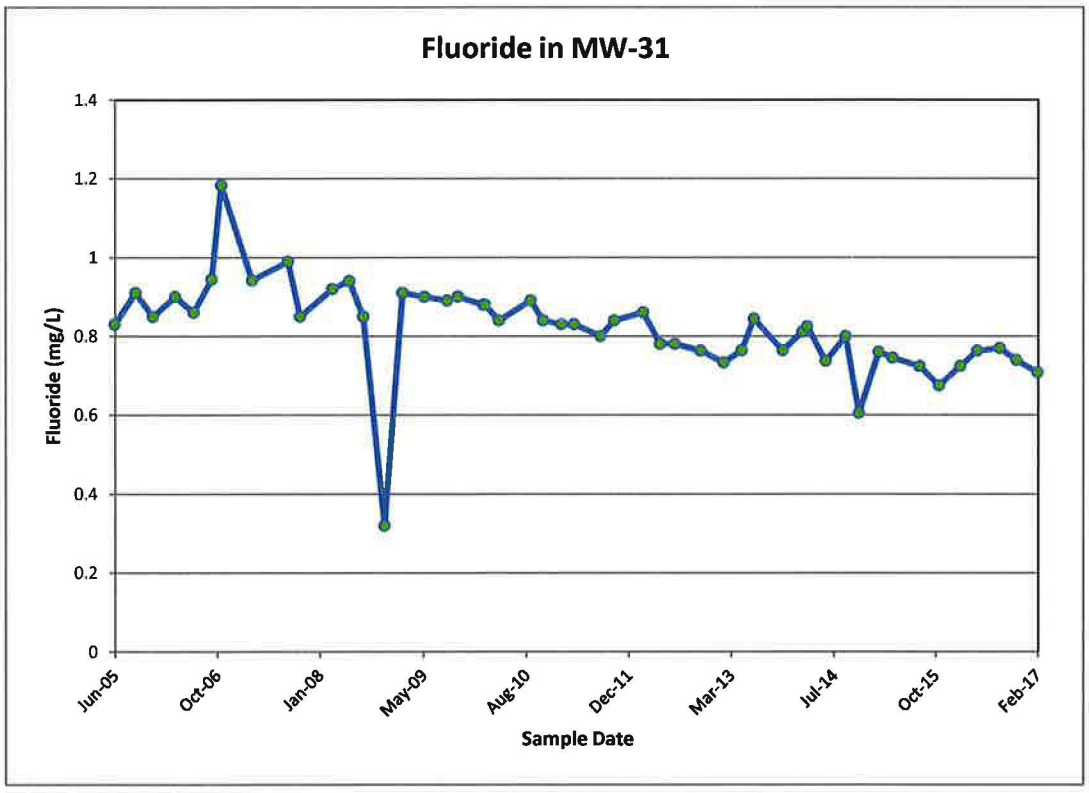
Time concentration plots for MW-30



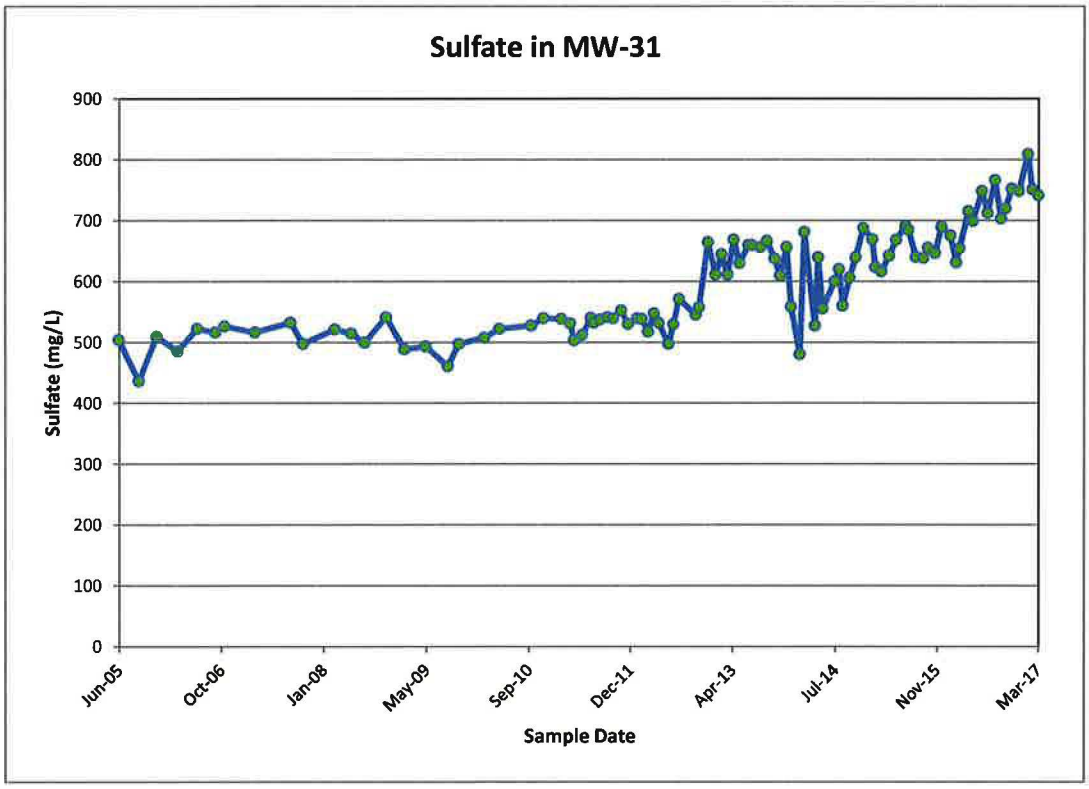


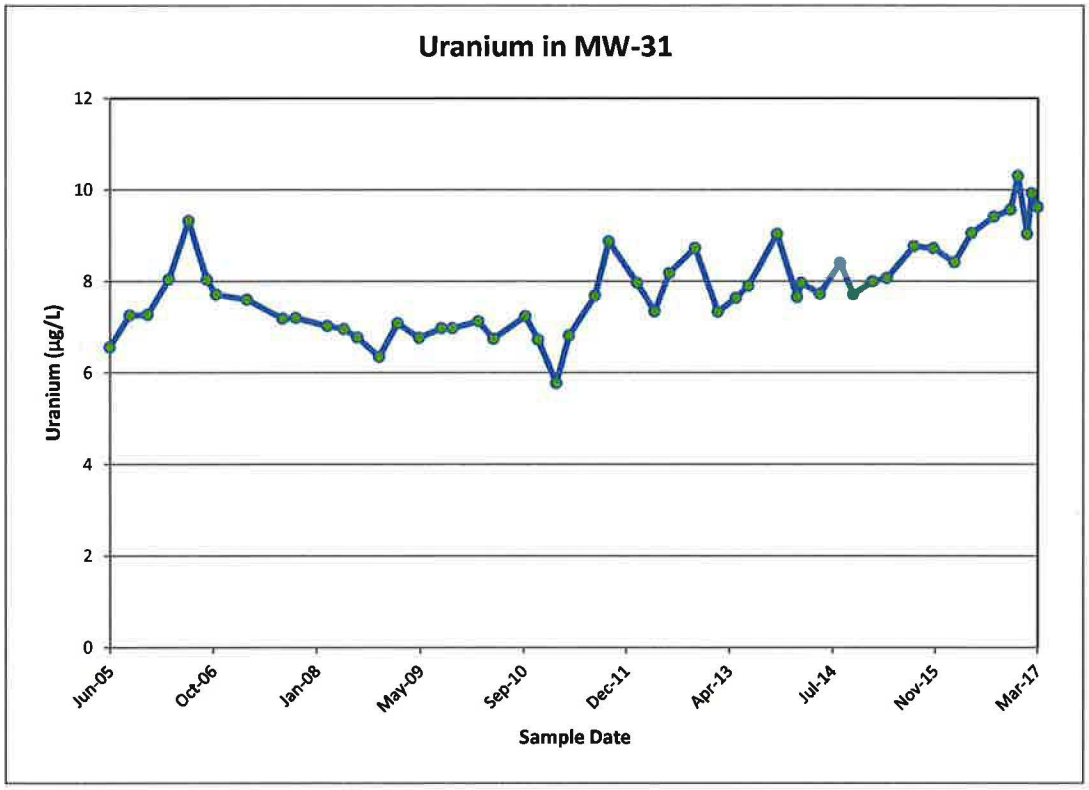
Time concentration plots for MW-31



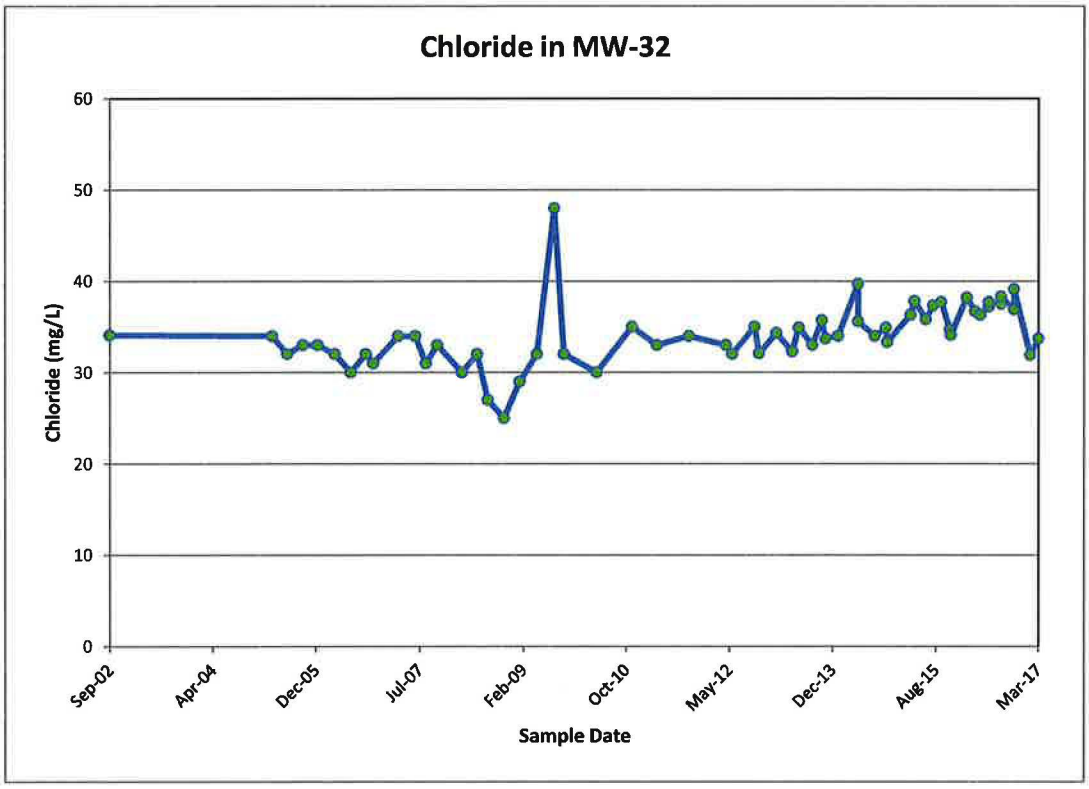


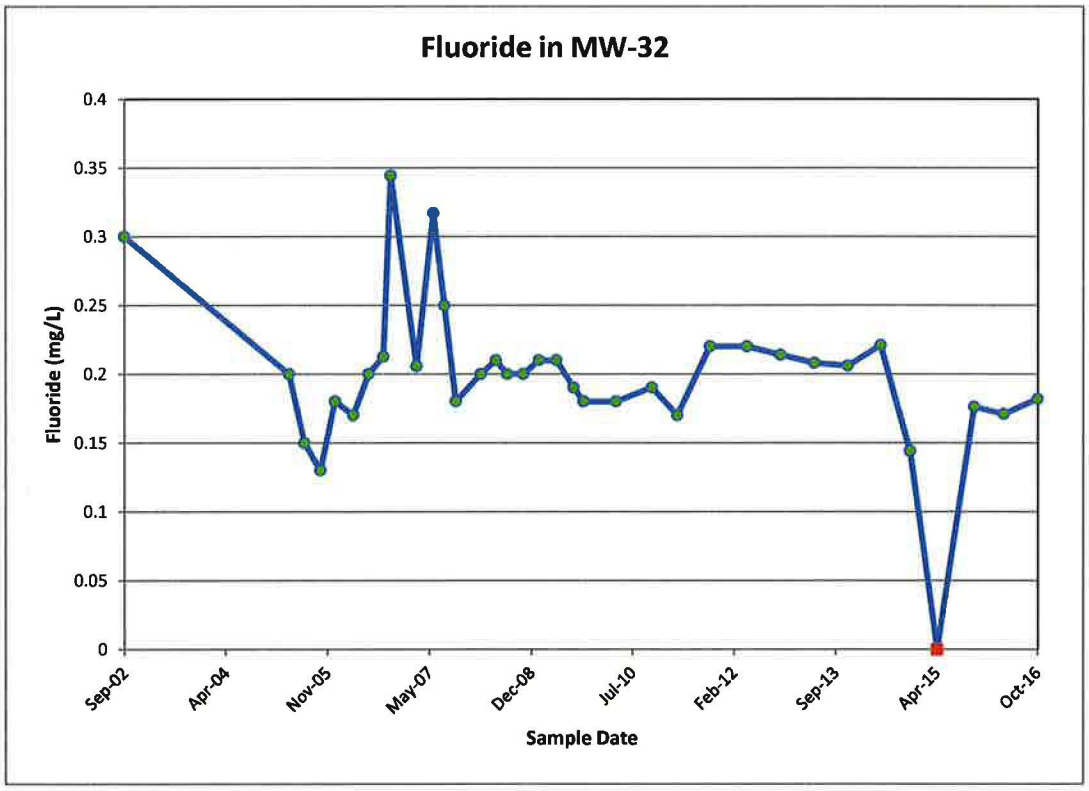
Time concentration plots for MW-31



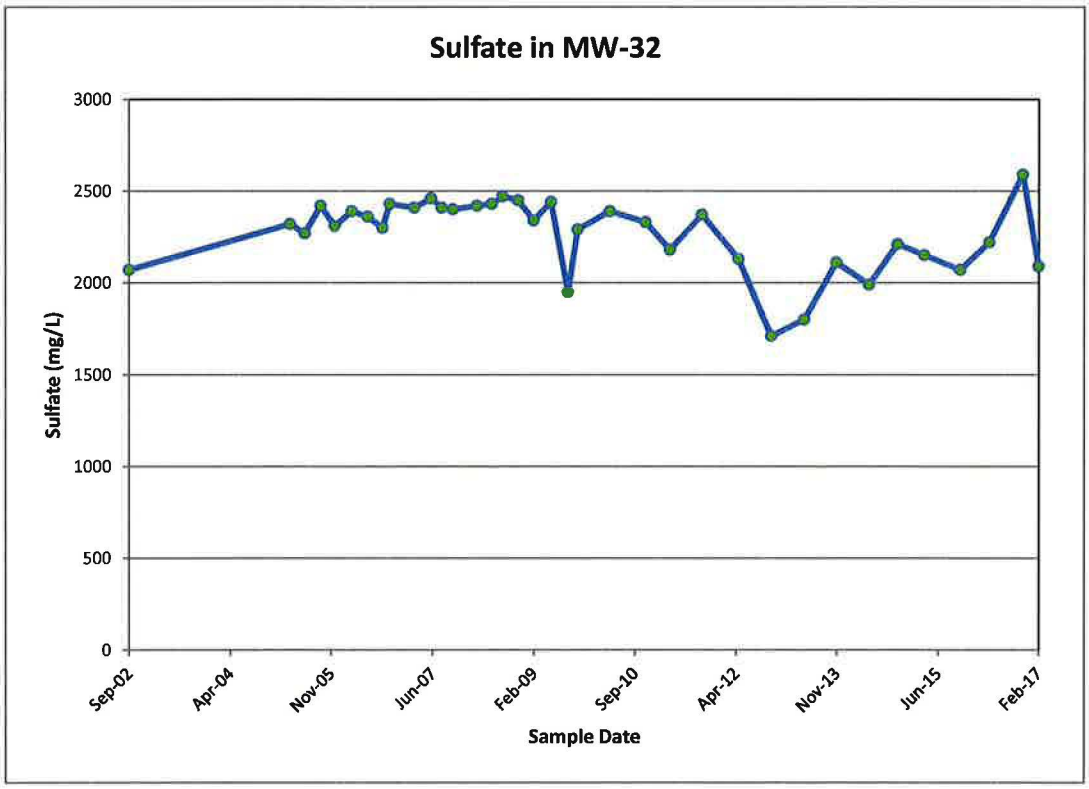


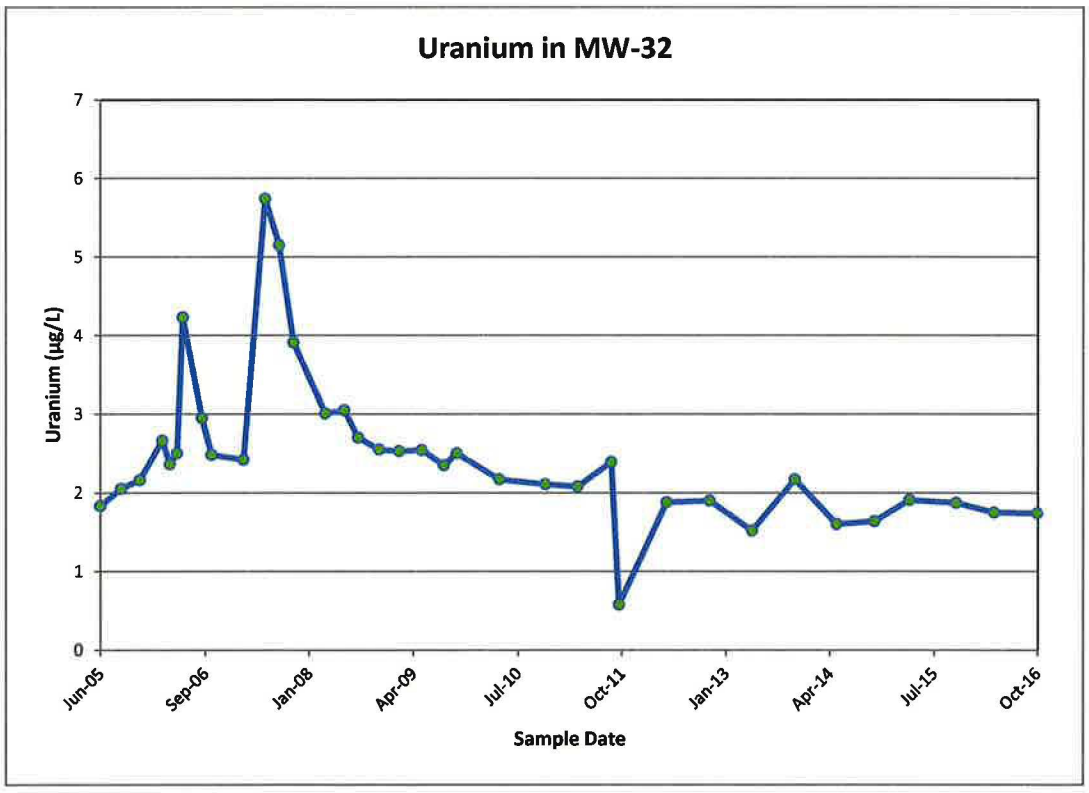
Time concentration plots for MW-32



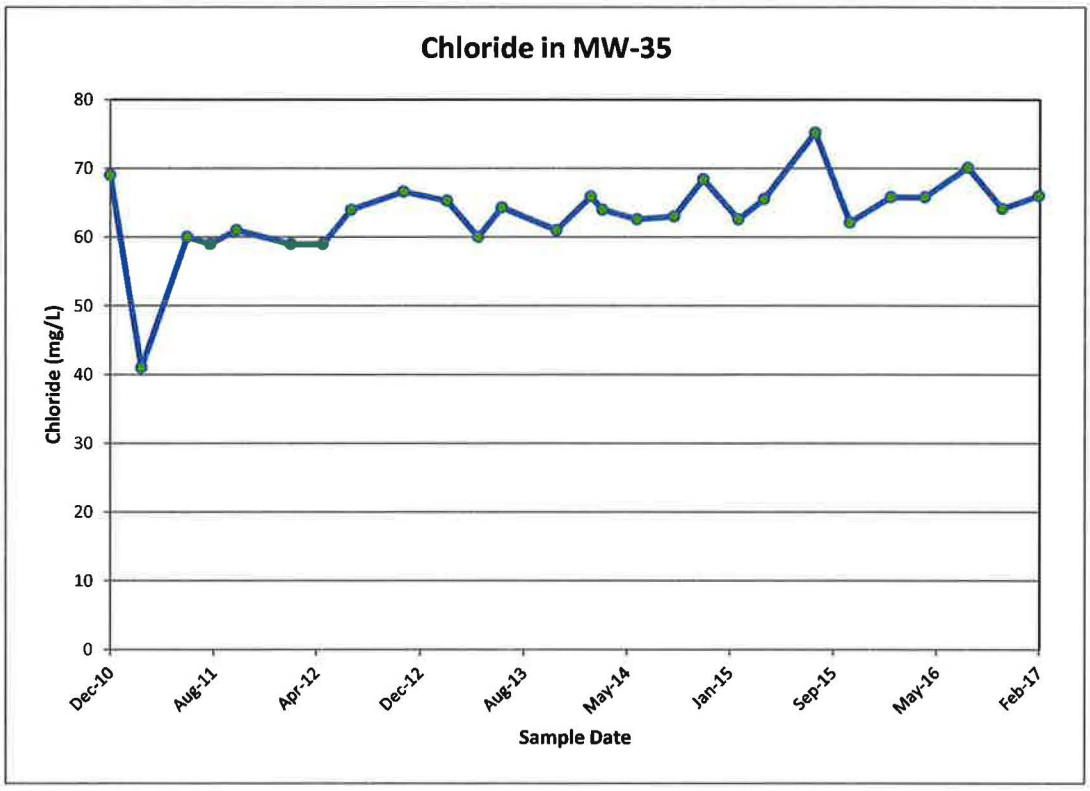


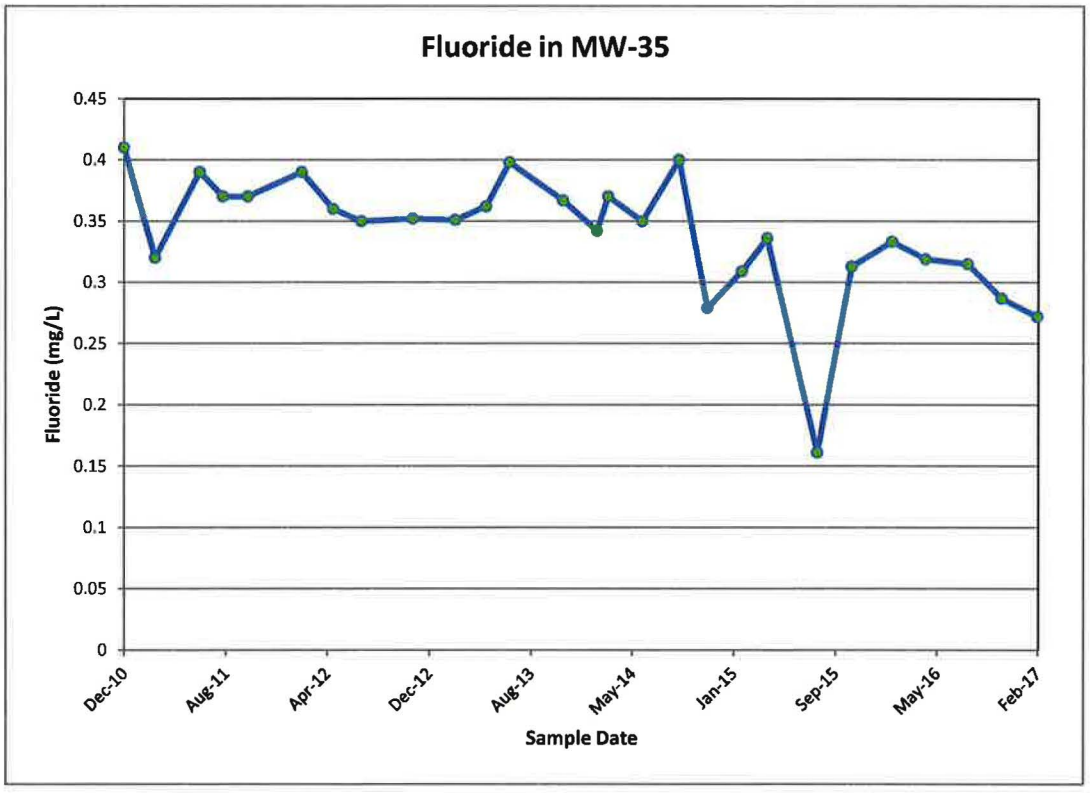
Time concentration plots for MW-32



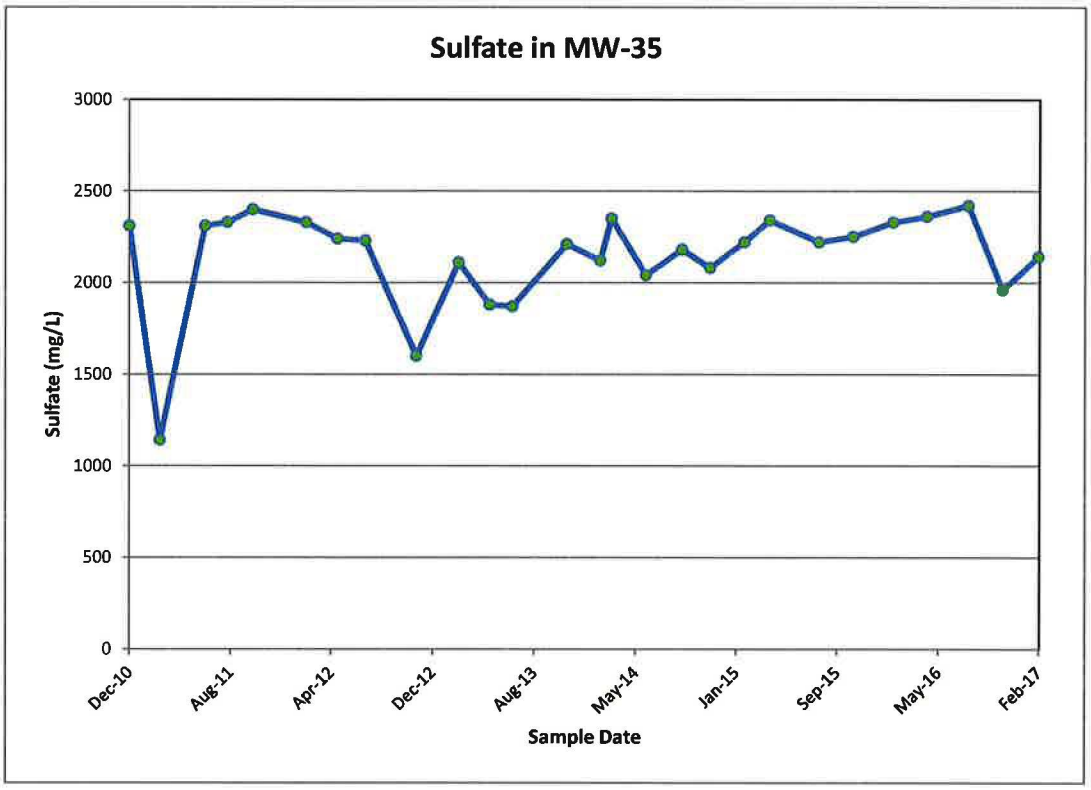


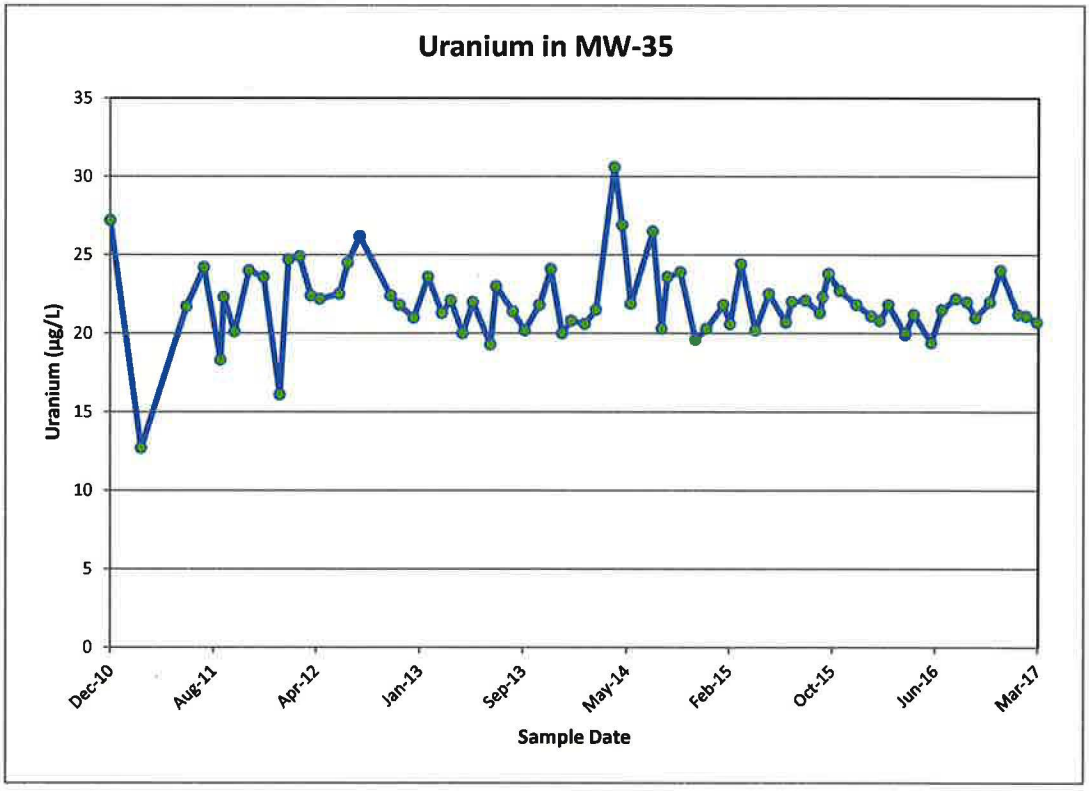
Time concentration plots for MW-35



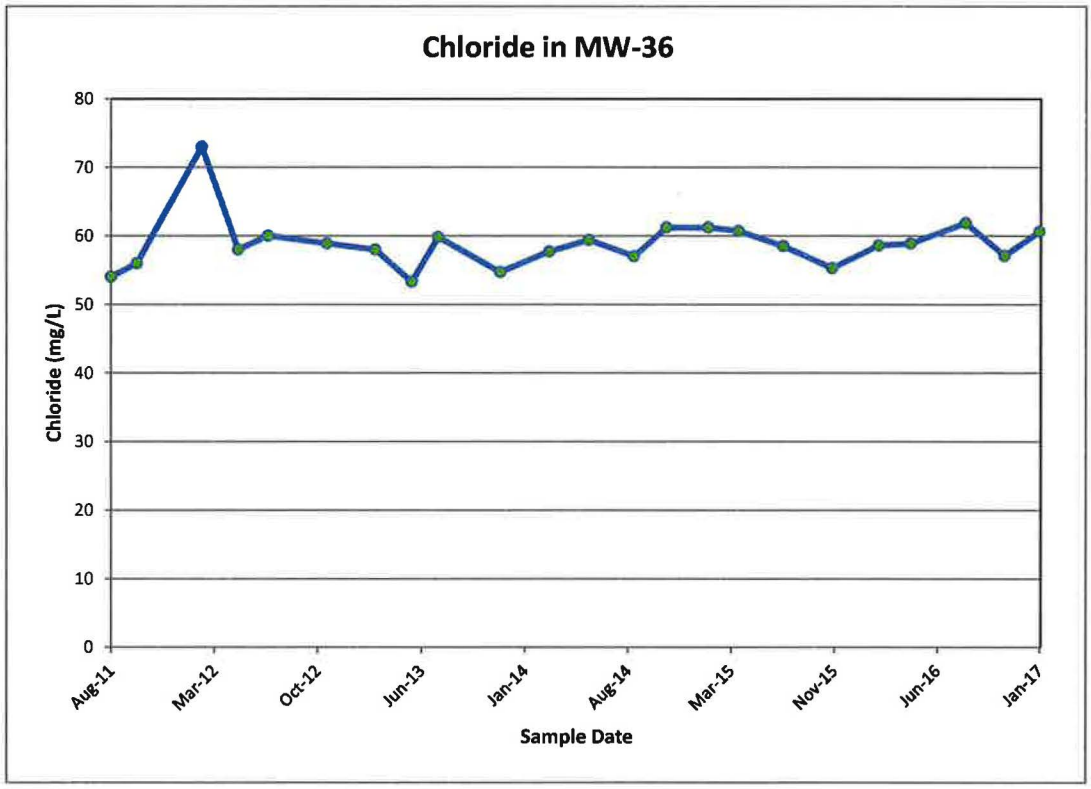


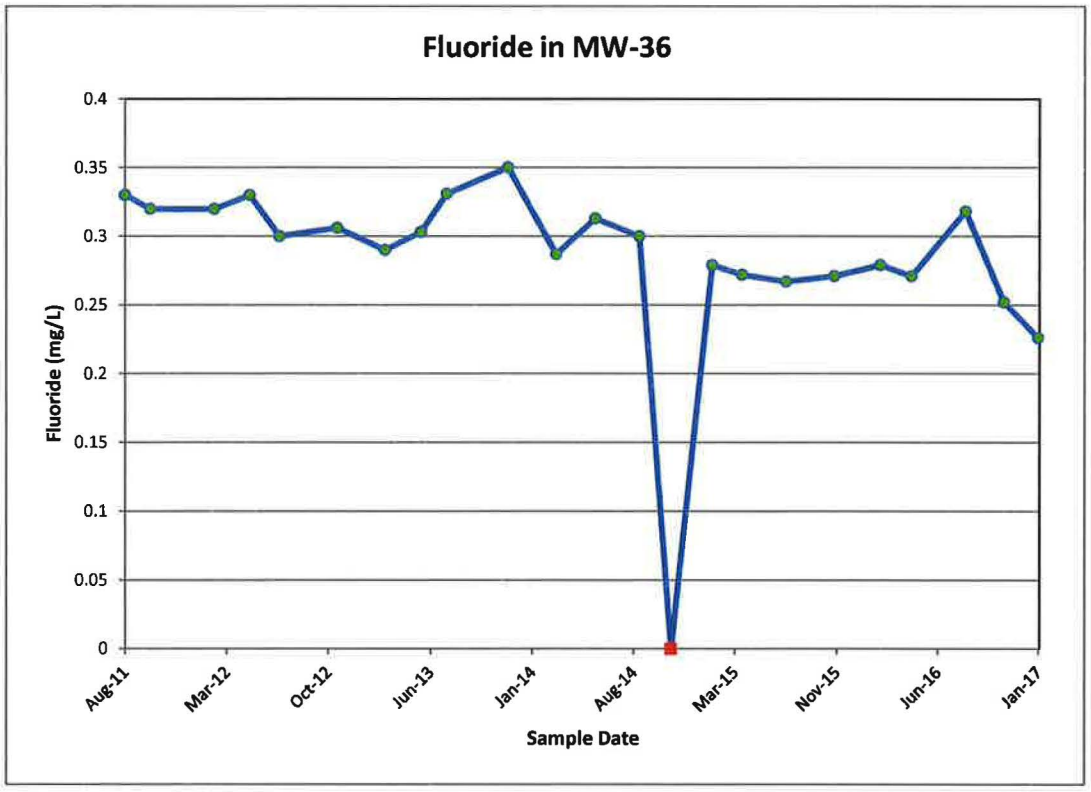
Time concentration plots for MW-35





Time concentration plots for MW-36

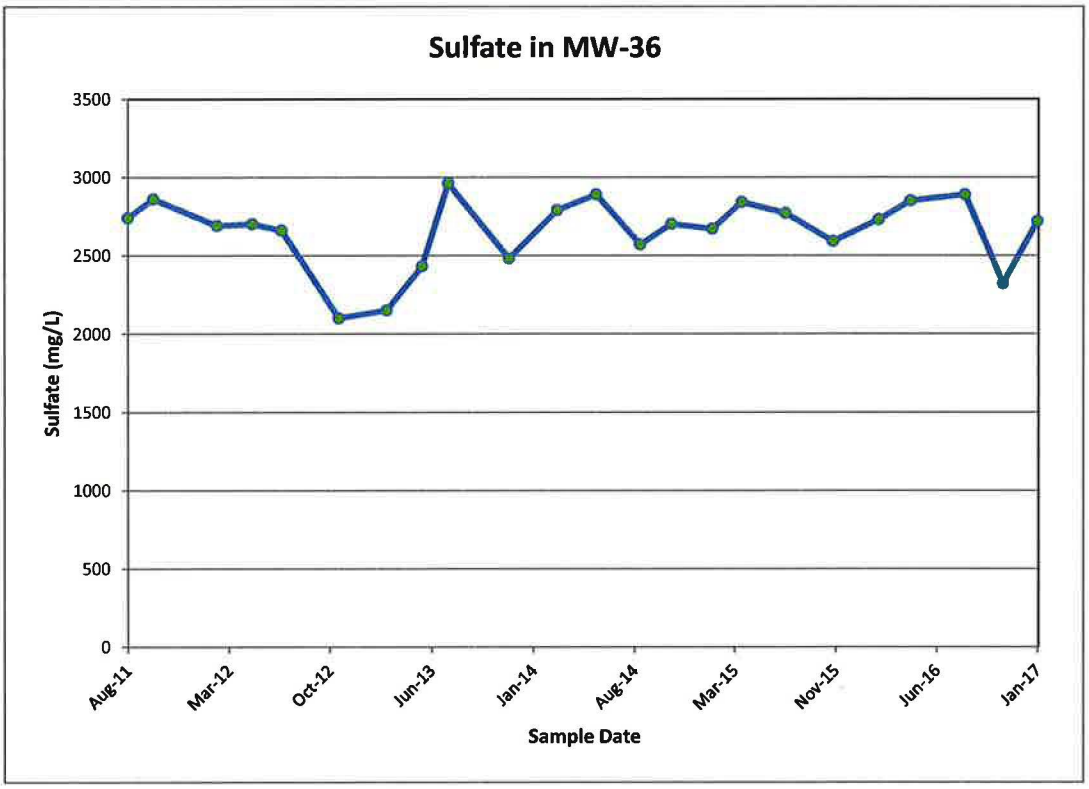


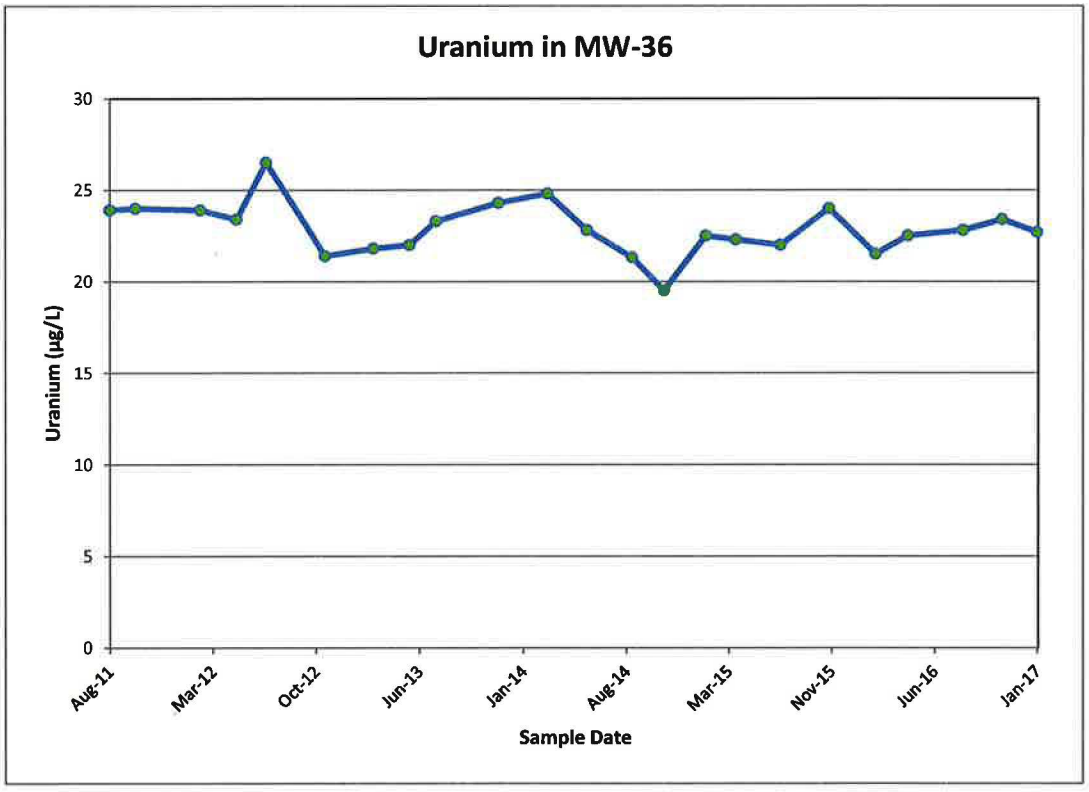


Detected Values

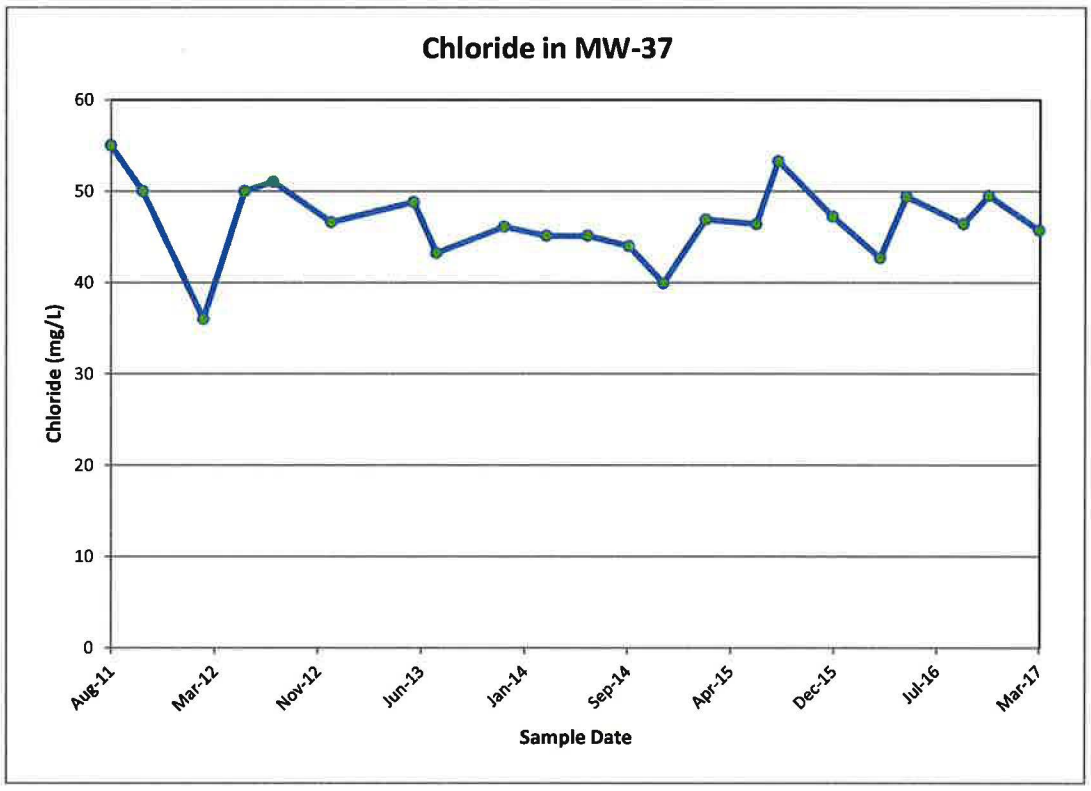
Non-Detected Values

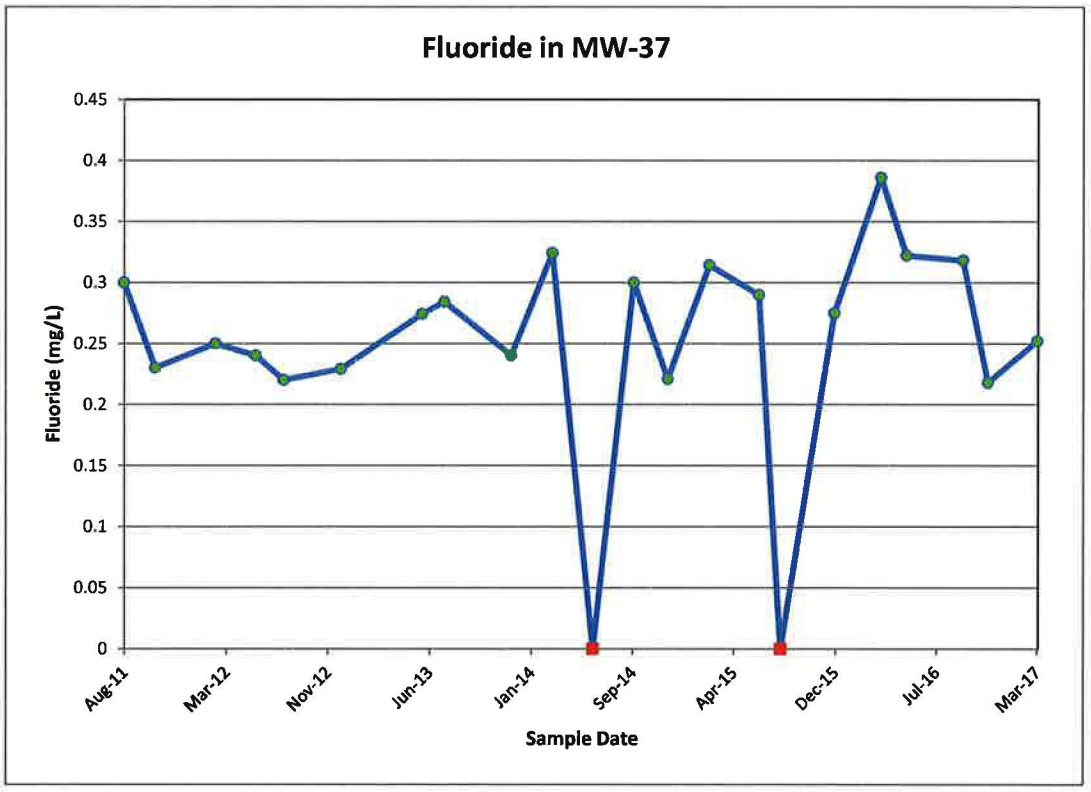
Time concentration plots for MW-36



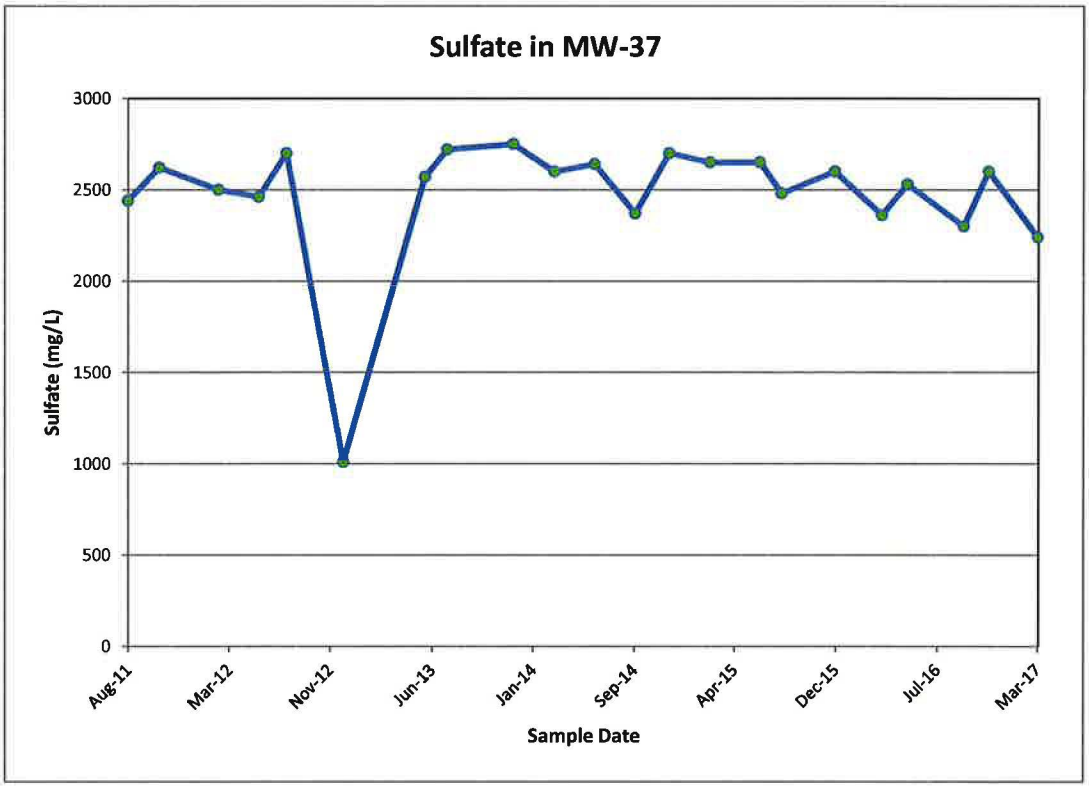


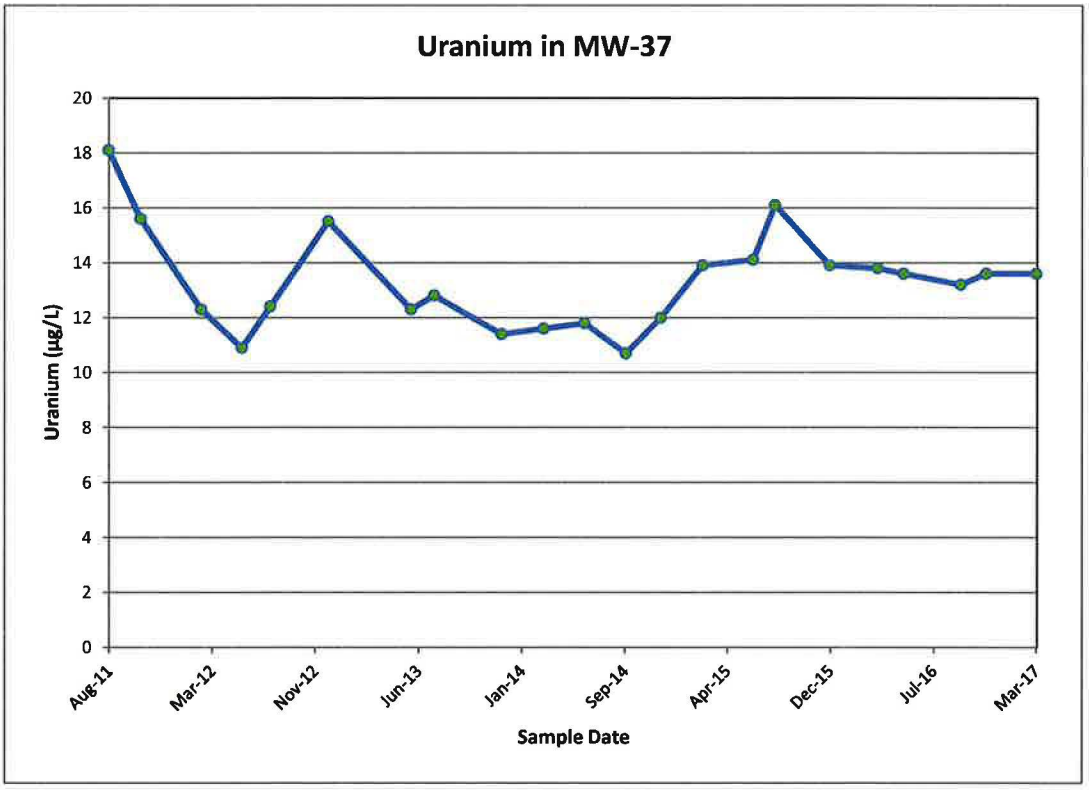
Time concentration plots for MW-37





Time concentration plots for MW-37





Tab J

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Monday, May 15, 2017 9:33 AM
To: 'Phillip Goble'
Cc: 'Thomas Rushing'; Mark Chalmers; David Frydenlund; Logan Shumway; Scott Bakken; David Turk
Subject: Transmittal of CSV Files White Mesa Mill 2017 Q1 Groundwater Monitoring
Attachments: GW Q1 2017 DTWs.csv; GW Q1 2017 Field Measurements.csv; Q1 2017 GW EDD.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 first quarter of 2017, 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