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May 16, 2016

Sent VIA OVERNIGHT DELIVERY

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

Re: Transmittal of 1st Quarter 2016 Groundwater Monitoring Report
Groundwater Quality Discharge Permit UGW370004 White Mesa Uranium Mill

Dear Mr. Anderson:

Enclosed are two copies of the White Mesa Uranium Mill Groundwater Monitoring Report for the 1st Quarter of 2016 as required by the Groundwater Quality Discharge Permit UGW370004, as well as two CDs each containing a word searchable electronic copy of the report.

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

Yours very truly,

Kathy Weinel

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

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

White Mesa Uranium Mill

Groundwater Monitoring Report

State of Utah
Groundwater Discharge Permit No. UGW370004

1st Quarter
(January through March)
2016

Prepared by:

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

May 16, 2016

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ACRONYM LIST

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

1.0 INTRODUCTION

This is the Routine Groundwater Monitoring Report, as required under Part I.F.1 of State of Utah Groundwater Discharge Permit No. UGW370004 (the "GWDP") for the first quarter of 2016 for Energy Fuels Resources (USA) Inc's. ("EFRI's") White Mesa Uranium Mill (the "Mill"). As required under Parts I.E.1, I.E.2, I.E.3, and I.E.5 of the GWDP, this Report includes recorded field measurements and laboratory analyses for well monitoring conducted during the quarter.

2.0 GROUNDWATER MONITORING

2.1 Samples and Measurements Taken During the Quarter

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

2.1.1 Groundwater Compliance Monitoring

Groundwater samples and field measurements collected during the quarter included 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-3, P-4 and P-5.

- Nitrate monitoring wells.

- The DR piezometers which were installed during the Southwest Hydrogeologic Investigation.

- In addition to the above, depth to water measurements are routinely observed in conjunction with sampling events for wells sampled during quarterly and accelerated efforts, regardless of the sampling purpose.

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

2.2 Field Data

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

Attached under Tab C are copies of field data sheets recorded in association with the accelerated monthly monitoring sampling efforts, referred to in paragraph 2.1.2, above. Sampling dates are listed in Table 1.

2.3 Laboratory Results - Quarterly Sampling

2.3.1 Copy of Laboratory Results

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

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

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

2.3.2 Regulatory Framework and Groundwater Background

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

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

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

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

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

2.4 Laboratory Results – Accelerated Monitoring

2.4.1 Copy of Laboratory Results

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

2.4.2 Regulatory Framework and Groundwater Background

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

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

2.4.3 Compliance Status

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

sampled on an accelerated schedule as noted in Table 2. Table 3 summarizes the results of the accelerated sampling program from first quarter 2010 through the current quarter.

Part I.G.4 c) of the GWDP states, with respect to exceedances of GWCLs, "The Permittee shall prepare and submit within 30 calendar days to the Executive Secretary a plan and a time schedule for assessment of the sources, extent and potential dispersion of the contamination, and an evaluation of potential remedial action to restore and maintain groundwater quality to insure that Permit limits will not be exceeded at the compliance monitoring point and that DMT or BAT will be reestablished." EFRI submits an Exceedance Notice quarterly and the summary in the Exceedance Notice includes, for each exceedance, a brief discussion of whether such a plan and schedule is required at this time in light of other actions currently being undertaken by EFRI. The determination of whether a Plan and Time Schedule is required is based on discussions with DWMRC Staff in teleconferences on April 27 and May 2, 2011 and the constituents covered by previously submitted Source Assessment Reports.

2.4.3.1 MW-28

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

Three new analytes were reported above the GWCL in the second quarter 2014 data. The analytes are uranium, vanadium and cadmium as shown in Tables 2 and 3. Per the GWDP, EFRI began accelerated monitoring in third quarter 2014 at MW-28 for those three constituents. The fourth quarter 2014 MW-28 results for vanadium and cadmium were below the GWCLs. The uranium result remained above the GWCL in the third quarter 2014. Part I.G.4 c) of the GWDP requires a Plan and Time Schedule for constituents exceeding their GWCL in two consecutive monitoring periods. A Plan and Time Schedule was submitted for uranium in MW-28 on December 4, 2014 as required. The Plan and Time Schedule specified that an assessment of the uranium results would be completed after the first quarter 2015 sampling event. If the uranium results continue to exceed the GWCL, EFRI will perform a video inspection of the interior of MW-28 to

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

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

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

2.5 Depth to Groundwater and Water Table Contour Map

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

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

3.0 QUALITY ASSURANCE AND DATA VALIDATION

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

The Analytical Laboratories have provided summary reports of the analytical QA/QC measurements necessary to maintain conformance with National Environmental

Laboratory Accreditation Conference certification and reporting protocol. The analytical laboratory QA/QC Summary Reports, including copies of the Mill's COC and Analytical Request Record forms for each set of Analytical Results, follow the analytical results under Tabs E and F. Review of the laboratory QA/QC information is provided under Tab G.

3.1 Field QC Samples

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

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

One duplicate sample was collected during each 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.

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

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

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

3.2 Adherence to Mill Sampling SOPs

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

3.3 Analyte Completeness Review

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

quarterly 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.

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-12, MW-25, MW-29, 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. 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 except for ammonia in duplicate pair MW-36/MW-65. Both of the ammonia sample results reported for MW-36/MW-65 were not five times greater than the reporting limits of 0.05 and as such the deviation from the 20% RPD requirement is acceptable. Results of the RPD test are provided under Tab G.

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

3.4.8 Radiologics Counting Error and Duplicate Evaluation

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

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

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

3.4.9 Other Laboratory QA/QC

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

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

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

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

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

The information from the Laboratory QA/QC Summary Reports indicates that the MS/MSDs recoveries and the associated RPDs for the quarterly and semi-annual samples were within acceptable laboratory limits for the regulated compounds except as indicated in Tab G. The data recoveries and RPDs which are outside the laboratory established acceptance limits do not affect the quality or usability of the data because the recoveries and RPDs above or below the acceptance limits are indicative of matrix interference most

likely caused by other constituents in the samples. Matrix interferences are applicable to the individual sample results only. The requirement in the QAP to analyze a MS/MSD pair with each analytical batch was met and as such the data are compliant with the QAP.

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

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

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

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

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

4.0 CORRECTIVE ACTION REPORT

Necessary corrective actions identified during the current monitoring period are discussed below.

4.1 Identification and Definition of the Problem

A monthly accelerated sample for fluoride in MW-30 was reported as non-detect with an elevated RL.

4.2 Assignment of Responsibility for Investigation of the Problem

The issue has been investigated by the QA Manager.

4.3 Investigation and Determination of Cause of the Problem

The Mill Environmental Staff inadvertently omitted the fluoride analysis from the COC for the March monthly sample for MW-30. The QA Manager requested the analysis be reported by the laboratory from the ion chromatography analysis completed for chloride in MW-30. The results were reported from the diluted chloride analysis and resulted in the elevated RL. The samples were out of holding time and the analysis could not be completed at the time of discovery. The issue was noted in April and the March sample could not be recollected.

4.4 Determination of a Corrective Action to Eliminate the Problem

Corrective actions include the QA Manager checking the list of requested analyses after log in at the analytical laboratory, providing the analytical laboratory with a list of accelerated analyses when changes occur, and the Environmental Health and Safety Manager reviewing the COCs prior to sample shipment.

4.5 Assigning and Accepting Responsibility for Implementing the Corrective Action

It will be the responsibility of the QA manager to review the data for the second quarter to verify all necessary analyses are requested.

4.6 Implementing the Corrective Action and Evaluating Effectiveness

The corrective action will be implemented immediately and will be verified as the second quarter sampling progresses.

4.7 Verifying That the Corrective Action Has Eliminated the Problem

Verification of the corrective action will include no accelerated samples missed and all samples reported with an appropriate RL.

4.8 Assessment of Previous Quarter's Corrective Actions

No corrective actions were identified in the fourth quarter 2015 report.

5.0 TIME CONCENTRATION PLOTS

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

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

6.0 ELECTRONIC DATA FILES AND FORMAT

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

7.0 SIGNATURE AND CERTIFICATION

This document was prepared by Energy Fuels Resources (USA) Inc. on May 16, 2016.

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 2016

Well	Normal Frequency	Purpose for sampling this quarter	Sample Date	Date of Lab Report
MW-01	Semi-annually	Semi-annually	2/10/2016	(2/29/16)
MW-03	Semi-annually	Semi-annually	2/16/2016	(3/9/16) [3/24/16]
MW-03A	Semi-annually	Semi-annually	2/16/2016	(3/9/16)
MW-05	Semi-annually	Semi-annually	2/15/2016	(3/9/16)
MW-11	Quarterly	Quarterly	2/8/2016	(2/29/16) [3/10/16]
MW-12	Semi-annually	Semi-annually	2/4/2016	(2/19/16)
MW-14	Quarterly	Quarterly	2/15/2016	(3/9/16) [3/24/16]
MW-15	Semi-annually	Semi-annually	2/4/2016	(2/29/16)
MW-18	Semi-annually	Semi-annually	2/9/2016	(2/29/16)
MW-19	Semi-annually	Semi-annually	2/9/2016	(2/29/16)
MW-24	Semi-annually	Semi-annually	2/17/2016	(3/9/16)
MW-25	Quarterly	Quarterly	2/8/2016	(2/29/16) [3/10/16]
MW-26	Quarterly	Quarterly	2/16/2016	(3/9/16) [3/24/16]
MW-27	Semi-annually	Semi-annually	2/2/2016	(2/19/16) [3/24/16]
MW-28	Semi-annually	Semi-annually	2/2/2016	(2/19/16)
MW-29	Semi-annually	Semi-annually	2/10/2016	(2/29/16)
MW-30	Quarterly	Quarterly	2/10/2016	(2/29/16) [3/10/16]
MW-31	Quarterly	Quarterly	2/15/2016	(3/9/16) [3/24/16]
MW-32	Semi-annually	Semi-annually	2/3/2016	(2/19/16) [3/10/16]
MW-35	Quarterly	Background	2/10/2016	(2/29/16) [3/10/16]
MW-36	Quarterly	Background	2/11/2016	(2/29/16) [3/10/16]
MW-37	Quarterly	Background	3/22/2016	(4/15/16) [4/19/16]
MW-65	1 per Batch	Duplicate of MW-36	2/11/2016	(2/29/16) [3/10/16]
MW-70	1 per Batch	Duplicate of MW-14	2/15/2016	(3/9/16) [3/24/16]
Accelerated January Monthly				
MW-11	Monthly	Accelerated	1/20/2016	(2/5/16)
MW-14	Monthly	Accelerated	1/19/2016	N/A - Field pH measurement only
MW-25	Monthly	Accelerated	1/19/2016	(2/5/16)
MW-26	Monthly	Accelerated	1/20/2016	(2/5/16)
MW-30	Monthly	Accelerated	1/20/2016	(2/5/16)
MW-31	Monthly	Accelerated	1/19/2016	(2/5/16)
MW-35	Monthly	Accelerated	1/19/2016	(2/5/16) [2/18/16]
MW-65	Monthly	Duplicate of MW-30	1/20/2016	(2/5/16)
Accelerated March Monthly				
MW-11	Monthly	Accelerated	3/3/2016	*(3/18/16)* (4/27/16)
MW-14	Monthly	Accelerated	3/3/2016	N/A - Field pH measurement only
MW-25	Monthly	Accelerated	3/2/2016	*(3/18/16)* (4/27/16)
MW-26	Monthly	Accelerated	3/2/2016	*(3/18/16)* (4/27/16)
MW-30	Monthly	Accelerated	3/2/2016	*(3/18/16)* (4/27/16)
MW-31	Monthly	Accelerated	3/2/2016	*(3/18/16)* (4/27/16)
MW-35	Monthly	Accelerated	3/2/2016	*(3/18/16)* (4/27/16) [4/1/16]
MW-65	1 per Batch	Duplicate of MW-35	3/2/2016	*(3/18/16)* (4/27/16) [4/1/16]

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
	Chloride (mg/L)	35	36.8	Quarterly	Monthly	Q3 2015	December 2015
	Field pH (S.U.)	6.5 - 8.5	6.47	Quarterly	Monthly	Q4 2012	February 2013
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1.3	Quarterly	Monthly	Q1 2010	May 2010
	Uranium (ug/L)	41.8	58.7	Quarterly	Monthly	Q1 2010	May 2010
	Chloroform (ug/L)	70	700	Quarterly	Monthly	Q1 2010	May 2010
	Chloride (mg/L)	58.31	72	Quarterly	Monthly	Q1 2010	May 2010
	Methylene Chloride (ug/L)	5	9.9	Quarterly	Monthly	Q2 2010	June 2010
	Field pH (S.U.)	6.74 - 8.5	6.59	Quarterly	Monthly	Q1 2010	May 2010
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	16.1	Quarterly	Monthly	Q1 2010	May 2010
	Chloride (mg/L)	128	134	Quarterly	Monthly	Q1 2011	May 2011
	Field pH (S.U.)	6.5	6.22	Quarterly	Monthly	Q4 2014	March 2015
	Ammonia (mg/L)	0.14	0.3	Quarterly	Monthly	Q4 2014	March 2015
	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
	Field pH (S.U.)	6.5 - 8.5	6.45	Quarterly	Monthly	February 2014	June 2014
	Chloride (mg/L)	143	145	Quarterly	Monthly	Q1 2011	May 2011
MW-35 (Class II)	Uranium (ug/L)	7.5	21.7	Quarterly	Monthly	Q3 2011	July 2011
	Thallium (ug/L)	0.5	1.14	Quarterly	Monthly	Q4 2011	July 2011
	Selenium (ug/L)	12.5	19.7	Quarterly	Monthly	Q1 2012	June 2012
	Field pH (S.U.)	6.5 - 8.5	6.49	Quarterly	Monthly	July 2011	August 2011
	Gross Alpha minus Rn & U (pCi/L)	3.75	4.5	Quarterly	Monthly	Q3 2011	Q4 2011
	Manganese (ug/L)	200	369	Quarterly	Monthly	Q3 2011	July 2011
Semi-Annual Wells Accelerated to Quarterly Sampling[1]							
Monitoring Well (Water Class)	**Constituent Exceeding GWCL**	**GWCL in Current GWDP**	**First Result Exceeding the GWCL**	**Sample Frequency**	**Accelerated Frequency**	**Exceedance Sample Period**	**Start of Accelerated Monitoring**
MW-1 (Class II)	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
	Thallium (ug/L)	1.6	1.61	Semi-Annually	Quarterly	Q4 2015	Q3 2016
	Zinc (ug/L)	173.19	238 (373)	Semi-Annually	Quarterly	Q2 2015	Q1 2016
	Fluoride (mg/L)	0.68	0.71	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-3A (Class III)	Field pH (S.U.)	6.5 - 8.5	6.23 (6.24)	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Sulfate (mg/L)	3640	3680	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	TDS (mg/L)	5805	5860	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Nitrate + Nitrite (as N) (mg/L)	1.3	1.31	Semi-Annually	Quarterly	Q4 2012	Q1 2013
	Selenium (ug/L)	89	94.8	Semi-Annually	Quarterly	Q4 2010	Q1 2011
MW-5 (Class II)	Uranium (ug/L)	7.5	11.6	Semi-Annually	Quarterly	Q4 2010	Q1 2011
MW-12 (Class III)	Field pH (S.U.)	6.5 - 8.5	6.13	Semi-Annually	Quarterly	Q1 2014	Q2 2014
	Selenium (ug/L)	25	33.3	Semi-Annually	Quarterly	Q4 2014	Q3 2015
MW-15 (Class III)	Selenium (ug/L)	128.7	152	Semi-Annually	Quarterly	Q2 2012	Q3 2012
	Field pH (S.U.)	6.62 - 8.5	6.61	Semi-Annually	Quarterly	Q4 2013	Q2 2014
MW-18 (Class III)	Thallium (ug/L)	1.95	3.73	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Sulfate (mg/L)	1938.9	1950	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Field pH (S.U.)	6.25 - 8.5	6.16	Semi-Annually	Quarterly	Q1 2014	Q2 2014
	TDS (mg/L)	3198.77	3280	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-19 (Class III)	Nitrate + Nitrite (as N) (mg/L)	2.83	4	Semi-Annually	Quarterly	Q4 2011	Q1 2012
	Field pH (S.U.)	6.78-8.5	6.61 (6.66)	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-24 (Class III)	Cadmium (ug/L)	2.5	4.28	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Fluoride (mg/L)	0.36	0.558	Semi-Annually	Quarterly	Q4 2012	Q1 2013
	Sulfate (mg/L)	2903	3120	Semi-Annually	Quarterly	Q4 2014	Q2 2015
	Thallium (ug/L)	1	1.3	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Field pH (S.U.)	6.5 - 8.5	5.91 (5.78)	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	5.8	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Chloride (mg/L)	38	42	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Gross Alpha minus Rn & U (pCi/L)	2	2.33	Semi-Annually	Quarterly	Q2 2014	Q4 2014
	Field pH (S.U.)	6.5 - 8.5	6.48	Semi-Annually	Quarterly	Q4 2015	Q3 2016
	Sulfate (mg/L)	462	497	Semi-Annually	Quarterly	Q2 2013	Q1 2014
	TDS (mg/L)	1075	1160	Semi-Annually	Quarterly	Q2 2010	Q3 2010

Table 2
Exceedances and Acceleration Requirements

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	First Result Exceeding the GWCL	Routine Sample Frequency	Accelerated Frequency	Exceedance Sample Period	Start of Accelerated Monitoring
MW-28 (Class III)	Chloride (mg/L)	105	108	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Cadmium (ug/L)	5.2	5.41	Semi-Annually	Quarterly	Q2 2014	Q4 2014
	Uranium (ug/L)	4.9	61.3	Semi-Annually	Quarterly	Q2 2014	Q4 2014
	Vanadium (ug/L)	30	109	Semi-Annually	Quarterly	Q2 2014	Q4 2014
	Field pH (S.U.)	6.1 - 8.5	6.01	Semi-Annually	Quarterly	Q1 2014	Q2 2014
MW-29 (Class III)	Field pH (S.U.)	6.46 - 8.5	6.17	Semi-Annually	Quarterly	Q4 2010	Q2 2011
	Sulfate (mg/L)	2946	2960	Semi-Annually	Quarterly	Q2 2015	Q1 2016
	TDS (mg/L)	4400	4600	Semi-Annually	Quarterly	Q2 2012	Q3 2012
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	5.4	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Chloride (mg/L)	35.99	36.3	Semi-Annually	Quarterly	Q2 2014 (Q1 2015)	Q2 2014
	Field pH (S.U.)	6.4 - 8.5	6.03	Semi-Annually	Quarterly	Q2 2010	Q3 2010

Notes:
[1] GWCL Values are taken from August 24, 2012 versions of the GWDP.
() Values listed in parentheses are resample results from the same sampling period. Sampled were recollected due field or laboratory problems as noted in the specific report for that
Highlighted text shows accelerated requirements resulting from Q1 2016 sampling event.

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

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

			Q1 2010 Results		Q2 2010 Results						Q3 2010 Results						Q4 2010 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	Q1 2010 Sample Date	Q1 2010 Result	Q2 2010 Sample Date	Q2 2010 Result	May 2010 Monthly Sample Date	May 2010 Monthly Result	June 2010 Monthly Sample Date	June 2010 Monthly Result	July 2010 Monthly Sample Date	July 2010 Monthly Result	August 2010 Monthly Sample Date	August 2010 Monthly Result	Q3 2010 Sample Date	Q3 2010 Result	October 2010 Monthly Sample Date	October 2010 Monthly Result	Q4 2010 Sample Date	Q4 2010 Result	December 2010 Monthly Sample Date	December 2010 Monthly Result
Required Quarterly Sampling Wells																						
MW-11 (Class II)	Manganese (ug/L)	131.29	2/10/2010	***134***	4/28/2010	***137***	5/24/2010	122	6/16/2010	99	7/20/2010	123	8/25/2010	138	9/8/2010	128	10/20/2010	***141***	11/11/2010	***133***	12/15/10	***158***
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	2/2/2010	***6.45***	4/21/2010	***6.29***	5/21/2010	***6.36***	6/16/2010	***6.45***	7/20/2010	7.19	8/25/2010	***6.48***	9/8/2010	6.51	10/20/2010	6.60	11/10/2010	***6.37***	12/15/2010	***6.47***
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	2/3/2010	6.53	4/28/2010	7.2	NS	NA	NS	NA	NS	NA	NS	NA	9/8/2010	6.58	NS	NA	11/10/2010	***6.36***	NS	NA
	Chloride (mg/L)	35		31		31		NA		NA		NA		NA		31		NA		31		NA
	Cadmium (ug/L)	1.5		1.26		1.44		NA		NA		NA		NA		1.4		NA		1.26		NA
	Uranium (ug/L)	6.5		5.93		6.43		NA		NA		NA		NA		***6.57***		NA		5.89		NA
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	2/2/2010	***1.3***	4/22/2010	***2***	5/21/2010	0.3	6/16/2010	0.4	7/21/2010	0.6	8/16/2010	0.6	9/26/2010	***0.7***	10/20/2010	0.4	11/15/2010	0.2	12/15/2010	0.4
	Uranium (ug/L)	41.8		***58.7***		***66.7***		37.4		36.6		34.4		***71.8***		***72.7***		37.5		30.4		29.6
	Chloroform (ug/L)	70		***700***		***1700***		***800***		***940***		***900***		***2800***		***2100***		***1000***		***1900***		***1400***
	Chloride (mg/L)	58.31		***72***		57		***80***		47		52		49		***64***		52		48		52
	Field pH (S.U.)	6.74 - 8.5		***6.59***		7.18		***6.36***		6.98		***6.45***		***6.39***		***6.60***		***6.61***		***6.49***		***6.45***
	Dichloromethane (Methylene Chloride) (ug/L)	5		1		***9.9***		NR		2.2		***12***		***24***		***45***		***5.5***		***16***		1.2
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	2/9/2010	***16.1***	4/27/2010	***15.8***	5/21/2010	***17***	6/15/2010	***15.3***	7/21/2010	***16***	8/24/2010	***16***	9/14/2010 9/21/2010	***15***	10/19/2010	***15***	11/9/2010	***15***	12/14/2010	***16***
	Chloride (mg/L)	128		127		97		NA		NA	NS	NA	NS	NA		111		NA		126		NA
	Uranium (ug/L)	8.32		6.82		6.82		NA		NA	NS	NA	NS	NA		7.10		NA		6.64		NA
	Field pH (S.U.)	6.5 - 8.5		6.81		6.55		6.62		7.47	7/21/2010 7/27/2010	6.80 (6.82)	8/24/2010	6.73		6.80 (6.84)		6.77		6.75		6.65
	Ammonia (mg/L)	0.14		<0.05		<0.05		NA		NA	NS	NA	NS	NA		<0.05		NA		0.05		NA
	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
	Sulfate (mg/L)	532		507		522	NS	NA	NS	NA	NS	NA	NS	NA		527	NS	NA		***539***		NS
MW-35 (Class II)	Manganese (ug/L)	200	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/30/2010	***698***	NS	NA
	Thallium (ug/l)	0.5		NA		NA		NA		NA		NA		NA		NA		NA		***1.14***		NA
	Gross Alpha minus Rn & U (pCi/L)	3.75		NA		NA		NA		NA		NA		NA		NA		NA		2.6		NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		NA		NA		NA		NA		NA		NA		7.46		NA
	Selenium (ug/L)	12.5		NA		NA		NA		NA		NA		NA		NA		NA		ND		NA
	Uranium (ug/L)	7.5		NA		NA		NA		NA		NA		NA		NA		NA		***27.2***		NA
Required Semi-Annual Sampling Wells																						
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	5/5/2010	18	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/8/2010	15	NS	NA
	Field pH (S.U.)	6.77 - 8.5		NA		7.86 (6.87)		NA		NA		NA		NA		NA		NA		6.96		NA
	Sulfate (mg/L)	838		NA		805		NA		NA		NA		NA		NA		NA		792		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	5/3/2010	***37.2***	NS	NA	NS	NA	NS	NA	NS	NA	9/20/2010	35.5	NS	NA	11/19/2010	***38.8***	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.14 (6.25)***		NA		NA		NA		NA		***6.39***		NA		***6.35***		NA
	Beryllium (ug/L)	2		NA		<0.5		NA		NA		NA		NA		NA		NA		<0.5		NA
	Cadmium (ug/L)	4.67		NA		0.78		NA		NA		NA		NA		NA		NA		0.63		NA
	Zinc (ug/L)	173.19		NA		96		NA		NA		NA		NA		NA		NA		40		NA
	Thallium (ug/l)	1.6		NA		1.31		NA		NA		NA		NA		NA		NA		1.34		NA
	Sulfate (mg/L)	3663		NA		3490		NA		NA		NA		NA		NA		NA		3430		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		0.3		NA		NA		NA		NA		NA		NA		0.4		NA
	Fluoride (Mg/L)	0.68		NA		***0.71***		NA		NA		NA		NA		0.63		NA		***0.77***		NA
MW-3A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	5/4/2010	***6.23 (6.24)***	NS	NA	NS	NA	NS	NA	NS	NA	9/21/2010	***6.42***	NS	NA	11/22/2010	***6.21***	NS	NA
	Sulfate (mg/L)	3640		NA		***3680***		NA		NA		NA		NA		3630		NA		***3850***		NA
	Nitrate + Nitrite (as N) (mg/L)	1.3		NA		1.0		NA		NA		NA		NA		NA		NA		1.2		NA
	TDS (mg/L)	5805		NA		***5860***		NA		NA		NA		NA		5470		NA		5330		NA
	Selenium (ug/L)	89		NA		81.4		NA		NA		NA		NA		NS		NA		***94.8***		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	4/26/2010	0.39	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/11/2010	***11.6***	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	4/27/2010	***25.7***	NS	NA	NS	NA	NS	NA	NS	NA	9/20/2010	***31.9***	NS	NA	11/19/2010	***27.6***	NS	NA
	Field pH (S.U.)	6.5 - 8.5	NS	NA		7.16		NA		NA		NA		NA		6.62		NA		***6.47***		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	4/21/2010	100	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/11/2010	99.5	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		6.98		NA		NA		NA		NA		NA		NA		6.57		NA

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

Notes:

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

NS = Not Required and Not Sampled
NR = Required and
NA = Not
Applicable
Exceedances are shown in yellow
Values in () parentheses are the field pH measurements for the resampled analyses.

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

			Q1 2011 Results						Q2 2011 Results						Q3 2011 Results						Q4 2011 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2011 Monthly Sample Date	January 2011 Monthly Sample Result	Q1 2011 Sample Date	Q1 2011 Result	March 2011 Monthly Sample Date	March 2011 Monthly Result	Q2 2011 Sample Date	Q2 2011 Result	May 2011 Monthly Sample Date	May 2011 Monthly Result	June 2011 Monthly Sample Date	June 2011 Monthly Result	July 2011 Monthly Sample Date	July 2011 Monthly Result	Q3 2011 Sample Date	Q3 2011 Result	September 2011 Monthly Sample Date	September 2011 Monthly Result	Q4 2011 Sample Date	Q4 2011 Result	November 2011 Monthly Sample Date	November 2011 Monthly Result	December 2011 Monthly Sample Date	December 2011 Monthly Result
Required Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/11/2011	121	2/2/2011	***145***	3/15/2011	68	4/4/2011	***148***	5/10/2011	***170***	6/15/2011	121	7/6/2011	***151***		118	9/7/2011	106	10/4/2011	112	11/9/2011	105	12/14/2011	100
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/11/2011	***6.37***	2/7/2011	***6.22***	3/14/2011	6.76	4/4/2011	6.63	5/10/2011	***6.37***	6/15/2011	***5.83***	7/5/2011	***6.4***	8/3/2011	***6.23 (6.41)***	9/8/2011	6.50	10/4/2011	6.71 (6.82)	11/9/2011	6.63	12/12/2011	6.84
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/11/2011	***6.44***	2/2/2011	6.66	3/15/2011	6.79	4/4/2011	6.7	5/11/2011	***6.1***	6/20/2011	***5.77***	7/6/2011	***6.29***	8/3/2011 8/30/11	***6.42 (6.54)***	9/7/2011	6.54	10/4/2011	6.6	11/9/2011	6.51	12/12/2011	6.87
	Chloride (mg/L)	35		NA		30		NA		31		NA		NA		NA	8/3/2011	32		NA		32		NA		NA
	Cadmium (ug/L)	1.5		NA		1.34		NA		1.27		NA		NA		NA	8/30/2012	1.19		NA		1.27		NA		NA
	Uranium (ug/L)	6.5		***7.02***		4.77		***6.8***		5.56		***6.72***		***7.06***		***6.74***		6.37		5.96		5.27		***6.56***		6.1
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/12/2011	0.2	2/16/2011	0.25	3/15/2011	0.6	4/1/2011	***0.8***	5/10/2011	0.4	6/20/2011	0.3	7/6/2011	***0.9***	8/3/2011 8/30/11	0.6	9/7/2011	***2.4***	10/12/2011	***0.9***	11/9/2011	***1.3***	12/14/2011	***2.3***
	Uranium (ug/L)	41.8		32		***69.3***		31.8		***60.2***		***57.4***		18.5		***57.1***		19.0		***56.1***		***58.9***		***55.6***		***57***
	Chloroform (ug/L)	70		***800***		***730***		***1200***		***390***		***1900***		***730***		***300***		***1000***		***1300***		***440***		***1200***		***1400***
	Chloride (mg/L)	58.31		52		***59***		***64***		***64***		54		39		***64***		***60***		***66***		***61***		55		***62***
	Field pH (S.U.)	6.74 - 8.5		6.83		***6.06***		6.89		***6.22***		***6.43***		***6.52***		***6.35***		***6.07 (6.58)***		***6.71***		6.82		6.75		7.1
	Dichloromethane (Methylene Chloride) (ug/L)	5		<1.0		***10***		***14***		3.1		***20***		***7***		2.4		***10***		***7.9***		2.6		***8.9***		***11***
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/10/2011	***15***	2/1/2011	***16***	3/14/2011	***17***	4/11/2011	***16***	5/10/2011	***16***	6/20/2011	***17***	7/5/2011	***17***	8/3/2011	***14***	9/7/2011	***16***	10/4/2011 11/29/2011	***16***	11/8/2011	***16***	12/12/2011	***16***
	Chloride (mg/L)	128		NA		***134***		NA		***134***		128		127		127		126		***145***		***129***		122		124
	Uranium (ug/L)	8.32		NA		5.97		NA		6.49		NA		NA		NA		8		NA		***9.83***		NA		NA
	Field pH (S.U.)	6.5 - 8.5		6.65		6.96		7.10		6.83		6.70		***5.66***		6.65		6.61		6.80		6.96 (6.73)		6.83		7.14
	Ammonia (mg/L)	0.14		NA		0.05		NA		<0.05		NA		NA		NA		<0.05		NA		<0.05		NA		NA
	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
	Sulfate (mg/L)	532		NS		***538***		531		503		512		***540***		532		***537***		***541***		***539***		***552***		530
MW-35 (Class II)	Manganese (ug/L)	200	NS	NA	2/15/2011	***248***	NS	NA	6/7/2011	***369***	NS	NA	NS	NA	7/20/11	***348***	8/30/2011	***267***	9/7/11	***270***	10/3/11	***271***	11/8/2011	***283***	12/14/11	***247***
	Thallium (ug/l)	0.5		NA		<0.50		NA		<0.50		NA		NA		NA		***0.52***		NA		***0.57***		<0.50		***0.63***
	Gross Alpha minus Rn & U (pCi/L)	3.75		NA		2.6		NA		3.7		NA		NA		NA		***4.5***		NA		***4.4***		***4.7***		***4.2***
	Field pH (S.U.)	6.5 - 8.5		NA		7.17		NA		7.31		NA		NA		***6.49***		***6.40***		***6.47***		6.59		6.51		6.90
	Selenium (ug/L)	12.5		NA		ND		NA		ND		NA		NA		NA		9.3		NA		10.5		NA		NA
	Uranium (ug/L)	7.5		NA		***12.7***		NA		***21.7***		NA		NA		***24.2***		***18.3***		***22.3***		***20.1***		***24***		***23.6***
Required Semi-Annual Sampling Wells																										
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	NS	NA	NS	NA	4/11/2011	18	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	10/11/2011	17	NS	NA	NS	NA
	Field pH (S.U.)	6.77 - 8.5		NA		NA		NA		7.06 (7.67)		NA		NA		NA		NA		NA		7.08 (7.51)		NA		NA
	Sulfate (mg/L)	838		NA		NA		NA		704		NA		NA		NA		NA		NA		713		NA		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	2/15/2011	***40.5***	NS	NA	4/13/2011	***45.4***	NS	NA	NS	NA	NS	NA	8/10/2011	***46***	NS	NA	10/10/2011	***46.7***	NS	NA	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.09***		NA		***6.46***		NA		NA		NA		***6.32***		NA		6.53 (6.83)		NA		NA
	Beryllium (ug/L)	2		NA		NA		NA		<0.5		NA		NA		NA		NA		NA		<0.5		NA		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		1.26		NA		NA		NA		NA		NA		1.01		NA		NA
	Zinc (ug/L)	173.19		NA		NA		NA		104		NA		NA		NA		NA		NA		74		NA		NA
	Thallium (ug/l)	1.6		NA		NA		NA		1.02		NA		NA		NA		NA		NA		1.38		NA		NA
	Sulfate (mg/L)	3663		NA		NA		NA		3060		NA		NA		NA		NA		NA		3470		NA		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		0.3		NA		NA		NA		NA		NA		0.3		NA		NA
	Fluoride (Mg/L)	0.68		NA		***0.69***		NA		0.68		NA		NA		NA		***0.96***		NA		***0.91***		NA		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/16/2011	***6.05***	NS	NA	4/13/2011	6.58	NS	NA	NS	NA	NS	NA	8/11/2011	***6.19***	NS	NA	10/11/2011	6.5 (6.92)	NS	NA	NS	NA
	Sulfate (mg/L)	3640		NA		***3730***		NA		3350		NA		NA		NA		3560		NA		***3750***		NA		NA
	Nitrate + Nitrite (as N) (mg/L)	1.3		NA		NA		NA		1.2		NA		NA		NA		NA		NA		1.1		NA		NA
	TDS (mg/L)	5805		NA		5770		NA		5720		NA		NA		NA		***5810***		NA		5630		NA		NA
	Selenium (ug/L)	89		NA		***99***		NA		85.8		NA		NA		NA		88.5		NA		***95***		NA		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/14/2011	***29.5***	NS	NA	4/12/2011	7.16	NS	NA	NS	NA	NS	NA	8/9/2011	0.5	NS	NA	10/10/2011	4.52	NS	NA	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	2/15/2011	***39.0***	NS	NA	4/5/2011	21.7	NS	NA	NS	NA	NS	NA	8/9/2011	***25.4***	NS	NA	10/6/2011	***35.4***	NS	NA	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.43***		NA		6.67		NA		NA		NA		***6.13***		NA		6.7 (6.97)		NA		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	NS	NA	NS	NA	4/12/2011	116	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	10/10/2011	112	NS	NA	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		NA		NA		6.88		NA		NA		NA		NA		NA		6.70		NA		NA

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

Notes:

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

NS = Not Required and Not Sampled

NA = Not Available

Exceedances are shown in yellow

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

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

			Q1 2012 Results						Q2 2012 Results						Q3 2012 Results						Q4 2012 Results					
Monitoring Well (Water Class)	**Constituent Exceeding GWCL**	**GWCL in August 24, 2012 GWDP**	**January 2012 Monthly Sample Date**	**January 2012 Monthly Result**	**Q1 2012 Sample Date**	**Q1 2012 Result**	**March 2012 Monthly Sample Date**	**March 2012 Monthly Result**	**April 2012 Monthly Sample Date**	**April 2012 Monthly Result**	**Q2 2012 Sample Date**	**Q2 2012 Result**	**June 2012 Monthly Sample Date**	**June 2012 Monthly Result**	**Q3 2012 Sample Date**	**Q3 2012 Result**	**August 2012 Monthly Sample Date**	**August 2012 Monthly Result**	**September 2012 Monthly Sample Date**	**September 2012 Monthly Result**	**October 2012 Monthly Sample Date**	**October 2012 Monthly Result**	**Q4 2012 Sample Date**	**Q4 2012 Result**	**December 2012 Monthly Sample Date**	**December 2012 Monthly Result**
Required Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/26/2012	102	2/13/2012	***154***	3/13/2012	121	4/10/2012	***132***	5/8/2012	127	6/19/2012	122	7/11/2012	***135***	8/7/2012	***166***	9/19/2012	130	10/23/2012	***161***	11/12/2012	***138***	12/24/2012	***137***
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/24/2012	***6.36***	2/21/2012	6.57	3/14/2012	6.51	4/12/2012	6.97	5/9/2012	6.73	6/19/2012	6.90	7/11/2012	6.89	8/7/2012	6.58	9/18/2012	7.08	10/23/2012	6.83	11/27/2012	6.52	12/18/2012	6.60
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/25/2012	6.63	2/14/2012	6.83	3/14/2012	6.55	4/9/2012	6.58	5/2/2012	6.73	6/18/2012	6.99	7/10/2012	6.88	8/6/2012	6.55	9/18/2012	6.54	10/22/2012	6.54	11/12/2012	***6.47***	12/24/2012	6.62
	Chloride (mg/L)	35		NA		30		NA		NA		30		NA		33		NA		NA		NA		28.8		NA
	Cadmium (ug/L)	1.5		NA		1.31		NA		NA		1.33		NA		1.24		NA		NA		NA		***1.56***		NA
	Uranium (ug/L)	6.5		***6.6***		6.5		***6.93***		***6.52***		5.90		***7.6***		6.45		***6.72***		6.01		6.37		***6.61***		4.83
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/25/2012	***1.9***	2/15/2012	***1.2***	3/14/2012	***3***	4/11/2012	***3.4***	5/7/2012 6/26/2012	***2.9***	6/19/2012	***2.3***	7/11/2012	***1.9***	8/8/2012	***1.6***	9/19/2012	***1.8***	10/24/2012	***3.5***	11/15/2012	0.55	12/24/2012	***1.46***
	Uranium (ug/L)	41.8		***64.6***	2/21/2012	***59.4***		31.2		***42.2***		18.2		***66.0***		28.4		***67.4***		***64.9***		26.9		***56.8***		***51.3***
	Chloroform (ug/L)	70		***1900***	2/15/2012	***3300***		***2900***		***2900***		***1700***		***2400***	8/16/2012	***970***		***2200***		***2300***		***4720***		***4020***		***1250***
	Chloride (mg/L)	58.31		***68***		40		***74***		***82***		***74***		***85***	7/11/2012	***78***		***78***		***67***		2.62		52.9		***65.9***
	Field pH (S.U.)	6.74 - 8.5		***6.59***	2/15/2012 2/21/2012 3/8/2012	***6.72 (6.91) (6.71)***		***6.39***		6.88		7.00 (7.01)		7.00	7/11/2012 8/16/2012	7.10 (6.80)		***6.60***		7.40		***6.63***		***6.60***		6.78
	Dichloromethane (Methylene Chloride) (ug/L)	5		***13***	2/15/2012	***24***		***27***		***20***		***10***		***16***	8/16/2012	4.9		***17***		***9.8***		***15.0***		***34.6***		***5.5***
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/24/2012	***17***	2/14/2012	***17***	3/14/2012	***18***	4/10/2012	***17***	5/2/2012	***16***	6/18/2012	***15***	7/10/2012	***17***	8/7/2012	***18***	9/19/2012	***16***	10/23/2012	***16.2***	11/13/2012	***18.5***	12/26/2012	***17.2***
	Chloride (mg/L)	128		124		126		128		128		124		***131***		128		***139***		***130***		***135***		114		122
	Uranium (ug/L)	8.32	NS	NA		7.42		***8.38***		7.84		6.81		7.8		7.64		8.04		7.67		7.86		7.03		5.80
	Field pH (S.U.)	6.5 - 8.5	1/24/2012	6.52		7.12		6.86		7.05		6.95		7.10		7.25		6.95		7.85		6.80		6.67		6.95
	Ammonia (mg/L)	0.14	NS	NA		<0.05		NA		NA		<0.05		NA		<0.05		NA		NA		NA		<0.05		NA
	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***		***38.4***		***38.4***		***41.9***		***45.2***		***36***		31.6
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/24/2012	***21***	2/13/2012	***21***	3/13/2012	***22***	4/9/2012	***21***	5/2/2012	***20***	6/18/2012 6/29/2012	***21.6***	7/9/2012	***21***	8/6/2012	***21***	9/18/2012	***21***	10/22/2012	***18***	11/6/2012	***23.6***	12/18/2012	***22.2***
	TDS (mg/L)	1320		***1360***		1240		***1400***		***1380***		***1410***		***1460***		***1400***		***1400***		***1460***		1320		1230		1270
	Chloride (mg/L)	143		***155***		***150***		***152***		***160***		***151***		138		***161***		***175***		***172***		***157***		***189***		***170***
	Selenium (ug/L)	71		***NS***		67.8		NS		NS		70.2		NA		***74***		NA		NA		NA		***76.9***		NA
	Field pH (S.U.)	6.5 - 8.5		6.78		7.37		7.13		7.14		7.19		7.28 (7.63)		7.53		6.96		7.1		7.05		7.04		7.10
	Sulfate (mg/L)	532		***539***		***538***		517		***547***		532		497		529		***571***		***561***		***545***		***557***		***664***
MW-35 (Class II)	Manganese (ug/L)	200	1/24/2012	***264***	2/14/2012	***253***	3/13/2012	***269***	4/10/2012	***277***	5/2/2012	***258***	6/19/2012	***304***	7/10/2012	***272***	8/8/2012	***273***	9/19/2012	***283***	10/23/2012	***253***	11/13/2012	***241***	12/18/2012	***240***
	Thallium (ug/l)	0.5		< 0.50		***0.65***		***0.71***		***0.59***		***0.66***		< 0.50		***0.57***		***0.61***		***0.54***		***0.517***		***0.554***		0.5
	Gross Alpha minus Rn & U (pCi/L)	3.75		***6.5***		***4.1***		***6.2***		***4.1***		***4.5***		***4.9***		3.5		***4.2***		***5.4***		***4.31***		***4.23***		***6.5***
	Field pH (S.U.)	6.5 - 8.5		***6.35***		6.67		***6.48***		6.84		6.61		6.90		6.87		6.74		6.81		***6.43***		6.50		6.60
	Selenium (ug/L)	12.5		NA		***19.7***		NA		NA		11.4		7.0		***15.9***		***18.8***		8.2		***19.0***		***15.4***		12.1
	Uranium (ug/L)	7.5		***16.1***		***24.7***		***24.9***		***22.4***		***22.2***		***22.5***		***24.5***		***26.2***		***22.9***		***22.4***		***21.8***		***21***
Required Semi-Annual Sampling Wells																										
MW-01 (CLASS II)	Chloride (mg/L)	22.1	NS	NA	NS	NA	NS	NA	NS	NA	5/1/2012	18	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/27/2012	18.5	NS	NA
	Field pH (S.U.)	6.77 - 8.5		NA		NA		NA		NA		7.19		NA		NA		NA		NA		NA		6.98		NA
	Sulfate (mg/L)	838		NA		NA		NA		NA		659		NA		NA		NA		NA		NA		***846***		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	2/29/2012	***43.1***	NS	NA	NS	NA	5/14/2012	***52.8***	NS	NA	NA	***51.1***	NS	NA	NS	NA	NS	NA	11/28/2012	***58.9***	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.63		NA		NA		6.67		NA		6.99		NA		NA		NA		6.55		NA
	Beryllium (ug/L)	2		NA		NA		NA		NA		<0.5		NA		NA		NA		NA		NA		<0.5		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		NA		1.06		NA		NA		NA		NA		NA		0.954		NA
	Zinc (ug/L)	173.19		NA		NA		NA		NA		68		NA		NA		NA		NA		NA		46.1		NA
	Thallium (ug/l)	1.6		NA		NA		NA		NA		1.37		NA		NA		NA		NA		NA		1.16		NA
	Sulfate (mg/L)	3663		NA		NA		NA		NA		3140		NA		NA		NA		NA		NA		2340		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		0.4		NA		NA		NA		NA		NA		0.419		NA
	Fluoride (Mg/L)	0.68		NA		***0.86***		NA		NA		***1.04***		NA		***0.96***		NA		NA		NA		***1.26***		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	3/1/2012	***6.46***	NS	NA	NS	NA	5/15/2012	6.68	NS	NA	7/19/2012	7.01	NS	NA	NS	NA	NS	NA	11/29/2012	***6.35***	NS	NA
	Sulfate (mg/L)	3640		NA		3020		NA		NA		3220		NA		***3700***		NA		NA		NA		2780		NA
	Nitrate + Nitrite (as N) (mg/L)	1.3		NA		NA		NA		NA		1.1		NA		NA		NA		NA		NA		***1.31***		NA
	TDS (mg/L)	5805		NA		5690		NA		NA		5730		NA		5720		NA		NA		NA		5610		NA
	Selenium (ug/L)	89		NA		65.8		NA		NA		85.1		NA		***99.3***		NA		NA		NA		***111***		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/28/2012	***18.6***	NS	NA	NS	NA	5/9/2012	1.23	NS	NA	7/16/2012	0.75	NS	NA	NS	NA	NS	NA	11/27/2012	0.402	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	2/29/2012	NA	NS	NA	NS	NA	5/10/2012	19.6	NS	NA	7/17/2012	20.7	NS	NA	NS	NA	NS	NA	11/27/2012	23.0	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.81		NA		NA		6.91		NA		6.98		NA		NA		NA		6.54		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	2/22/2012	NA	NS	NA	NS	NA	5/9/2012	***152***	NS	NA	7/17/2012	120	NS	NA	NS	NA	NS	NA	11/14/2012	117	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		6.84		NA		NA		6.63		NA		7.05		NA		NA		NA		6.86		NA

			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-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	2/23/2012	2.25	NS	NA	NS	NA	5/10/2012	2.01	NS	NA	7/18/2012	***4.7***	NS	NA	NS	NA	NS	NA	11/29/2012	1.35	NS	NA
	Fluoride (mg/L)	0.36		NA		NA		NA		NA		0.14		NA		NA		NA		NA		NA		***0.558***		NA
	Sulfate (mg/L)	2903		NA		NA		NA		NA		2490		NA		NA		NA		NA		NA		2310		NA
	Thallium (ug/L)	1		NA		0.96		NA		NA		0.74		NA		***1.36***		NA		NA		NA		0.666		NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.03***		NA		NA		***6.21***		NA		***6.45***		NA		NA		NA		***6.01***		NA
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	2/28/2012	***6.4***	NS	NA	NS	NA	5/1/2012	***6.2***	NS	NA	7/16/2012	***6.7***	NS	NA	NS	NA	NS	NA	11/13/2012	***6.9***	NS	NA
	Chloride (mg/L)	38		NA		***45***		NA		NA		***46***		NA		***47***		NA		NA		NA		***44.2***		NA
	Sulfate (mg/L)	462		NA		451		NA		NA		446		NA		453		NA		NA		NA		451		NA
	Field pH (S.U.)	6.5 - 8.5		NA		7.24		NA		NA		7.03		NA		7.40		NA		NA		NA		6.69		NA
	TDS (mg/L)	1075		NA		***1140***		NA		NA		***1170***		NA		***1150***		NA		NA		NA		1070		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		***2.3***		NA		NA		0.8		NA		1.2		NA		NA		NA		1.33		NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	2/28/2012	***109***	NS	NA	NS	NA	5/8/2012	***114***	NS	NA	7/16/2012 8/1/2012	105	NS	NA	NS	NA	NS	NA	11/14/2012	***115***	NS	NA
	Cadmium (ug/L)	5.2		NA		NA		NA		NA		3.85		NA	NS	NA		NA		NA		NA		4.37		NA
	Uranium (ug/L)	4.9		NA		NA		NA		NA		3.44		NA	NS	NA		NA		NA		NA		3.45		NA
	Vanadium (ug/L)	30		NA		NA		NA		NA		<15.0		NA	NS	NA		NA		NA		NA		<15.0		NA
	Field pH (S.U.)	6.1 - 8.5		NA		6.22		NA		NA		6.15		NA	7/16/2012 8/1/2012	***6.38 (5.81)***		NA		NA		NA		***5.98***		NA
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	2/22/2012	NA	NS	NA	NS	NA	5/8/2012	***4600***	NS	NA	8/1/2012	***4420***	NS	NA	NS	NA	NS	NA	11/14/2012	***4430***	NS	NA
	Sulfate (mg/L)	2946		NA		NA		NA		NA		2750		NA	NS	NA		NA		NA		NA		1340		NA
	Field pH (S.U.)	6.46 - 8.5		NA		7.12		NA		NA		6.47		NA	7/16/2012 8/1/2012	***6.68 (6.45)***		NA		NA		NA		6.48		NA
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	2/21/2012	1.8	NS	NA	NS	NA	4/30/2012	2.4	NS	NA	7/9/2012	1.4	NS	NA	NS	NA	NS	NA	11/6/2012	2.97	NS	NA
	Chloride (mg/L)	35.39		NA		NA		NA		NA		33		NA		1.4		NA		NA		NA		32.1		NA
	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

NA = Required and Not Sampled

Not Required at this time

Applicable

Exceedances are shown in yellow

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

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

			Q1 2013 Results						Q2 2013 Results						Q3 2013 Results						Q4 2013 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2013 Monthly Sample Date	January 2013 Monthly Result	Q1 2013 Sample Date	Q1 2013 Result	March 2013 Monthly Sample Date	March 2013 Monthly Result	April 2013 Monthly Sample Date	April 2013 Monthly Result	Q2 2013 Sample Date	Q2 2013 Result	June 2013 Monthly Sample Date	June 2013 Monthly Result	Q3 2013 Sample Date	Q3 2013 Result	August 2013 Monthly Sample Date	August 2013 Monthly Result	September 2013 Monthly Sample Date	September 2013 Monthly Result	October 2013 Monthly Sample Date	October 2013 Monthly Result	Q4 2013 Sample Date	Q4 2013 Result	December 2013 Monthly Sample Date	December 2013 Monthly Result
Required Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/23/2013	115	2/20/2013	***139***	3/20/2013	***164***	4/16/2013	***181***	5/14/2013	***144***	6/25/2013	***135***	7/10/2013	***138***	8/20/2013	***158***	9/18/2013	***134***	10/22/2013	129	11/19/2013	***152***	12/18/2013	***196***
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/23/2013	***6.48***	2/26/2013	6.52	3/20/2013	***6.48***	4/16/2013	7.58	5/14/2013	7.39	6/25/2013	6.54	7/11/2013	***6.47***	8/20/2013	6.86	9/19/2013	***6.48***	10/22/2013	6.77	11/20/2013	6.51	12/18/2013	6.74
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/22/2013	6.65	2/20/2013	6.62	3/19/2013	***6.41***	4/17/2013	7.00	5/14/2013	7.19	6/24/2013	6.61	7/10/2013	***6.32***	8/19/2013	6.74	9/17/2013	6.54	10/22/2013	6.81	11/19/2013	6.62	12/17/2013	6.73
	Chloride (mg/L)	35		NA		***36.1***		NA		NA		28.1		30.4		28		31.1		29.6		28.6		29		31.2
	Cadmium (ug/L)	1.5		NA		1.35		1.40		1.36		***1.52***		1.31		1.41		***1.57***		1.31		1.50		1.35		1.23
	Uranium (ug/L)	6.5		5.97		5.39		5.68		5.56		5.88		5.35		6.22		6.42		5.99		5.94		***7.13***		NA
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/24/2013	***1.66***	2/20/2013	***1.38***	3/20/2013	***1.61***	4/17/2013	***1.73***	5/23/2013	***2.01***	6/5/2013 6/25/2013	***3.04 2.11****	7/11/2013	***1.98***	8/20/2013	***1.77***	9/18/2013	***3.60***	10/23/2013	***4.10***	11/20/2013	***1.38***	12/18/2013	***2.56***
	Uranium (ug/L)	41.8		***65.7***		***57.8***		***69***		***58.8***		***64.3***		***71.3***		***70***		***72.3***		19.9		***58.8***		***75.8***		***70.4***
	Chloroform (ug/L)	70		***1270***		***1500***		***1340***		***1680***		***1210***		***4030****		***2410***		***2110***		***4170***		***3420***		***1220***		***1680***
	Chloride (mg/L)	58.31		***63.5***		***77***		***73.6***		***70.4***		***63.1***		***87.8 77.9****		***72.1***		***70.8***		***77.3***		***63.8***		***62.3***		***65.7***
	Field pH (S.U.)	6.74 - 8.5		***6.51***		***6.71***		***6.70***		6.96		7.31		6.85		***6.43***		7.41		***6.71***		6.82		6.83		6.93
	Dichloromethane (Methylene Chloride) (ug/L)	5		***6.49***		***5.53***		***8.31***		***10.2***		4.07		***52.4* [12.1]***		***14.2***		***14.6***		***42.4***		***29.8***		***7.64***		***7.48***
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/23/2013	***19.2***	2/26/2013	***21.4***	3/20/2013	***14.3***	4/17/2013	***16.8***	5/15/2013	***18.8***	6/25/2013	***16.1***	7/10/2013	***17.6***	8/20/2013	***16.4***	9/18/2013	***16.9***	10/22/2013	***19.7***	11/20/2013	***19.5***	12/18/2013	***20.7***
	Chloride (mg/L)	128		128		***129***		126		117		119		127		***130***		126		***131***		***128***		124		***134***
	Uranium (ug/L)	8.32		***8.36***		7.4		6.85		7.08		6.31		8.22		7.48		7.07		7.00		6.91		***8.57***		NA
	Field pH (S.U.)	6.5 - 8.5		6.88		6.93		6.91		7.42		7.54		6.93		6.87		7.06		6.78		6.96		6.84		7.10
	Ammonia (mg/L)	0.14		NA		<0.05		NA		NA		<0.05		NA		<0.05		NA		NA		NA		<0.05		NA
	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
	Sulfate (mg/L)	532		***611***		***644***		***611***		***668***		***630***		***659***		***659***		***656***		***666***		***637***		***609***		***656***
MW-35 (Class II)	Manganese (ug/L)	200	1/23/2013	***247***	2/26/2013	***272***	3/19/13	***246***	4/17/2013	***243***	5/13/2013	***252***	6/24/2013	***243***	7/9/2013	***250***	8/19/2013	***262***	9/17/2013	***257***	10/23/2013	***240***	11/19/2013	***251***	12/17/2013	***260***
	Thallium (ug/l)	0.5		<0.5		<0.5		***0.505***		<0.5		***0.715***		***0.946***		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
	Gross Alpha minus Rn & U (pCi/L)	3.75		***6.62***		***5.09***		***9.51***		***4.75***		***4.92***		3.24		***5.70***		***3.92***		***5.10***		3.73		***5.39***		***4.74***
	Field pH (S.U.)	6.5 - 8.5		6.54		6.68		***6.43***		6.96		7.33		6.70		6.51		7.02		6.50		6.83		6.52		6.73
	Selenium (ug/L)	12.5		11.0		10.8		***22.6***		11.8		***16.1***		***13.6***		8.01		<5		<5		***19.8***		<5		<5
	Uranium (ug/L)	7.5		***23.6***		***21.3***		***22.1***		***20.0***		***22.0***		***19.3***		***23.0***		***21.4***		***20.2***		***21.8***		***24.1***		***20***
Required Semi-Annual Sampling Wells																										
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	3/12/2013	NA	NS	NA	NS	NA	5/21/2013	17.8	NS	NA	7/23/2013	NA	NS	NA	NS	NA	NS	NA	12/4/2013	18.7	NS	NA
	Field pH (S.U.)	6.77 - 8.5		NA		6.77		NA		NA		7.57		NA		7.04		NA		NA		NA		7.04		NA
	Sulfate (mg/L)	838		NA		761		NA		NA		***839***		NA		***911***		NA		NA		NA		***930***		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	3/12/2013	***51.8***	NS	NA	NS	NA	5/22/2013	***46.3***	NS	NA	7/18/2013	***52.0***	NS	NA	NS	NA	NS	NA	12/11/2013	32.8	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.20***		NA		NA		7.14		NA		***6.46***		NA		NA		NA		6.78		NA
	Beryllium (ug/L)	2		NA		NA		NA		NA		<0.5		NA		NA		NA		NA		NA		<0.5		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		NA		1.42		NA		NA		NA		NA		NA		<0.5		NA
	Zinc (ug/L)	173.19		NA		NA		NA		NA		72.1		NA		NA		NA		NA		NA		20.3		NA
	Thallium (ug/l)	1.6		NA		NA		NA		NA		1.21		NA		NA		NA		NA		NA		1.1		NA
	Sulfate (mg/L)	3663		NA		NA		NA		NA		2180		NA		NA		NA		NA		NA		***3760***		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		0.456		NA		NA		NA		NA		NA		***1.21***		NA
	Fluoride (Mg/L)	0.68		NA		***0.902***		NA		NA		***0.994***		NA		***1.18***		NA		NA		NA		***1.28***		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	3/13/2013	6.84	NS	NA	NS	NA	5/23/2013	7.10	NS	NA	7/19/2013	6.50	NS	NA	NS	NA	NS	NA	12/11/2013	6.98	NS	NA
	Sulfate (mg/L)	3640		NA		3480		NA		NA		3120		NA		***3670***		NA		NA		NA		3360		NA
	Nitrate + Nitrite (as N) (mg/L)	1.3		NA		1.22		NA		NA		1.11		NA		1.09		NA		NA		NA		***1.52***		NA
	TDS (mg/L)	5805		NA		5750		NA		NA		***6020***		NA		***5860***		NA		NA		NA		***5940***		NA
	Selenium (ug/L)	89		NA		88.7		NA		NA		75.6		NA		79.7		NA		NA		NA		77.9		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	3/11/2013	***36***	NS	NA	NS	NA	5/14/2013	1.33	NS	NA	7/18/2013	0.574	NS	NA	NS	NA	NS	NA	12/4/2013	***20.1***	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	3/6/2013	19.6	NS	NA	NS	NA	5/15/2013	19	NS	NA	7/17/2013	20.5	NS	NA	NS	NA	NS	NA	12/9/2013	21.7	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.56		NA		NA		7.19		NA		6.60		NA		NA		NA		6.69		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	3/5/2013	***137***	NS	NA	NS	NA	5/15/2013	120	NS	NA	7/18/2013	100	NS	NA	NS	NA	NS	NA	11/20/2013	106	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		6.75		NA		NA		7.27		NA		6.68		NA		NA		NA		***6.61***		NA

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	Q1 2013 Results						Q2 2013 Results						Q3 2013 Results						Q4 2013 Results					
			January 2013 Monthly Sample Date	January 2013 Monthly Result	Q1 2013 Sample Date	Q1 2013 Result	March 2013 Monthly Sample Date	March 2013 Monthly Result	April 2013 Monthly Sample Date	April 2013 Monthly Result	Q2 2013 Sample Date	Q2 2013 Result	June 2013 Monthly Sample Date	June 2013 Monthly Result	Q3 2013 Sample Date	Q3 2013 Result	August 2013 Monthly Sample Date	August 2013 Monthly Result	September 2013 Monthly Sample Date	September 2013 Monthly Result	October 2013 Monthly Sample Date	October 2013 Monthly Result	Q4 2013 Sample Date	Q4 2013 Result	December 2013 Monthly Sample Date	December 2013 Monthly Result
Required 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-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	3/13/2013	2.0	NS	NA	NS	NA	5/22/2013	1.32	NS	NA	7/19/2013	***6.72***	NS	NA	NS	NA	NS	NA	12/12/2013	1.15	NS	NA
	Fluoride (mg/L)	0.36		NA		0.355		NA		NA		0.211		NA		0.288		NA		NA		NA		0.310		NA
	Sulfate (mg/L)	2903		NA		NA		NA		NA		2070		NA		NA		NA		NA		NA		2490		NA
	Thallium (ug/L)	1		NA		0.88		NA		NA		0.618		NA		***1.64***		NA		NA		NA		0.707		NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.29***		NA		NA		6.77		NA		***5.80***		NA		NA		NA		***6.08***		NA
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	2/25/2013	***7.94***	NS	NA	NS	NA	5/21/2013	***7.09***	NS	NA	7/17/2013	***6.97***	NS	NA	NS	NA	NS	NA	12/4/2013	***7.89***	NS	NA
	Chloride (mg/L)	38		NA		***50.3***		NA		NA		***44.3***		NA		***44.2***		NA		NA		NA		***45.0***		NA
	Sulfate (mg/L)	462		NA		431		NA		NA		***497***		NA		NA		NA		NA		NA		442		NA
	Field pH (S.U.)	6.5 - 8.5		NA		7.03		NA		NA		7.58		NA		7.00		NA		NA		NA		7.16		NA
	TDS (mg/L)	1075		NA		***1140***		NA		NA		***1110***		NA		***1110***		NA		NA		NA		***1100***		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		<1.0		NA		NA		1.57		NA		<1.00		NA		NA		NA		1.28		NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	3/5/2013	***110***	NS	NA	NS	NA	5/15/2013	102	NS	NA	7/17/2013	***107***	NS	NA	NS	NA	NS	NA	12/4/2013	***109***	NS	NA
	Cadmium (ug/L)	5.2		NA		NA		NA		NA		4.61		NA		NA		NA		NA		NA		4.74		NA
	Uranium (ug/L)	4.9		NA		NA		NA		NA		3.58		NA		NA		NA		NA		NA		3.34		NA
	Vanadium (ug/L)	30		NA		NA		NA		NA		<15.0		NA		NA		NA		NA		NA		<15.0		NA
	Field pH (S.U.)	6.1 - 8.5		NA		***6.00***		NA		NA		6.63		NA		***5.97***		NA		NA		NA		6.10		NA
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	3/6/2013	***4500***	NS	NA	NS	NA	5/23/2013	4340	NS	NA	7/17/2013	4270	NS	NA	NS	NA	NS	NA	11/20/2013	4370	NS	NA
	Sulfate (mg/L)	2946		NA		NA		NA		NA		2450		NA		NA		NA		NA		NA		2750		NA
	Field pH (S.U.)	6.46 - 8.5		NA		***6.36***		NA		NA		6.88		NA		***6.37***		NA		NA		NA		***6.35***		NA
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	2/19/2013	***5.02***	NS	NA	NS	NA	5/13/2013	***3.72***	NS	NA	7/9/2013	***6.46***	NS	NA	NS	NA	NS	NA	11/18/2013	1.86	NS	NA
	Chloride (mg/L)	35.39		NA		NA		NA		NA		32.3		NA		NA		NA		NA		NA		33.7		NA
	Field pH (S.U.)	6.4 - 8.5		NA		6.52		NA		NA		7.10		NA		***6.39***		NA		NA		NA		***6.29***		NA

Notes:

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

NS = Not Required and Not Sampled
NR = Required
NA = Not Applicable
Exceedances are shown in yellow
Values in () parentheses are the field pH measurements for the resampled analyses.

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

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	Q1 2014 Results: January 2014 Monthly Sample Date	Q1 2014 Results: January 2014 Monthly Result	Q1 2014 Results: February 2014 Monthly Sample Date	Q1 2014 Results: February 2014 Monthly Result	Q1 2014 Results: Q1 2014 Sample Date	Q1 2014 Results: Q1 2014 Result	Q2 2014 Results: April 2014 Monthly Sample Date	Q2 2014 Results: April 2014 Monthly Result	Q2 2014 Results: May 2014 Monthly Sample Date	Q2 2014 Results: May 2014 Monthly Result	Q2 2014 Results: Q2 2014 Sample Date	Q2 2014 Results: Q2 2014 Result	Q3 2014 Results: July 2014 Monthly Sample Date	Q3 2014 Results: July 2014 Monthly Result	Q3 2014 Results: August 2014 Monthly Sample Date	Q3 2014 Results: August 2014 Monthly Result	Q3 2014 Results: Q3 2014 Sample Date	Q3 2014 Results: Q3 2014 Result	Q4 2014 Results: October 2014 Monthly Sample Date	Q4 2014 Results: October 2014 Monthly Result	Q4 2014 Results: Q4 2014 Sample Date	Q4 2014 Results: Q4 2014 Result	Q4 2014 Results: December 2014 Monthly Sample Date	Q4 2014 Results: December 2014 Monthly Result
Required Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/8/2014	***141***	2/24/2014	***163***	3/11/2014	***134***	4/25/2014	***136***	5/14/2014	128	6/3/2014	***166***	7/29/2014	***139***	8/20/2014	***139***	9/8/2014	74.0	10/6/2014	***157***	11/17/2014	125	12/10/2014	***186***
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/8/2014	6.60	2/24/2014	***6.16***	3/11/2014	***6.33***	4/23/2014	6.84	5/13/2014	6.60	6/3/2014	7.63	7/28/2014	***6.44***	8/20/2014	7.07	9/2/2014	***6.41***	10/7/2014	***6.46***	11/12/2014	***6.25***	12/10/2014	***6.40***
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/7/2014	***6.37***	2/13/2014	***6.10***	3/10/2014	***6.27***	4/28/2014	7.18	5/13/2014	6.80	6/2/2014	6.74	7/28/2014	***6.36***	8/18/2014	7.17	9/3/2014	6.50	10/6/2014	***6.49***	11/4/2014	***6.31***	12/9/2014	***6.36***
	Chloride (mg/L)	35		31		30.4		31.5		31		26.4		30.9		NA		NA		30		NA		29.6		NA
	Cadmium (ug/L)	1.5		1.39		1.29		1.29		***1.51***		1.34		1.24		1.30		1.30		1.30		1.41		***1.57***		1.27
	Uranium (ug/L)	6.5		NA		5.83		6.26		***10.6***		***7.43***		6.07		5.9		6.1		6.0		***6.67***		6.04		5.75
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/8/2014	***2.42***	2/24/2014	***2.12***	3/12/2014	***1.30***	4/30/2014	***1.20***	5/14/2014	***1.64***	6/5/2014	***1.42***	7/29/2014	***2.0***	8/20/2014	***1.00***	9/4/2014	***1.10***	10/7/2014	***0.704***	11/18/2014	***1.09***	12/10/14 12/15/14	<0.100
	Uranium (ug/L)	41.8		***81.7***		***72.2***		***51.8***		***96.0***		***90.6***		***75.0***		***86.5***		***74.4***		***48.4***		***75.4***		***66.0***		***42.5***
	Chloroform (ug/L)	70		***1580***		***2810***		***2800***		***1310***		***1580***		***1450***		***2330***		***2200***		***1580***		***894***		***1520***		***2280***
	Chloride (mg/L)	58.31		***69.7***		***70.4***		***61.0***		***62.1***		***61.0***		***63.2***		***80.0***		***59.0***		***68.0***		57.7		54.2		***65.5***
	Field pH (S.U.)	6.74 - 8.5		6.80		6.78		***6.50***		7.19		7.13		6.78		***6.60***		7.28		***6.67***		6.85		***6.09***		***6.25 (6.44)***
	Dichloromethane (Methylene Chloride) (ug/L)	5		***6.52***		***25.8***		***15.5***		***5.54***		***10.2***		***6.73***		***9.6***		***43.3***		***10.9***		3.78		***7.34***		***28.4***
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/8/2014	***20.3***	2/25/2014	***18.4***	3/11/2014	***21.3***	4/23/2014	***18.3***	5/14/2014	***17.9***	6/3/2014	***19.4***	7/29/2014	***15.6***	8/20/2014	***13.8***	9/9/2014	***16.8***	10/7/2014	***11.0***	11/10/2014	***16.2***	12/10/2014	***17.1***
	Chloride (mg/L)	128		***131***		***135***		***144***		***154***		128		128		***140***		***139***		***136***		***136***		***154***		***138***
	Uranium (ug/L)	8.32		NA		6.83		7.84		6.84		***9.82***		7.35		7.40		7.60		7.70		7.76		7.65		7.67
	Field pH (S.U.)	6.5 - 8.5		6.74		6.80		6.56		7.06		6.88		6.89		6.76		7.51		6.82		6.92		***6.22***		6.77
	Ammonia (mg/L)	0.14		NA		NA		<0.05		NA		NA		<0.05		NA		NA		<0.05		NA		***0.30***		NA
	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
	Sulfate (mg/L)	532		***558***		480		***681***		527		***639***		***555***		***600***		***620***		***560***		***606***		***639***		***687***
MW-35 (Class II)	Manganese (ug/L)	200	1/8/2014	***252***	2/11/2014	***247***	3/11/14	***204***	4/25/2014	194	5/14/2014	***249***	6/4/2014	***202***	7/29/2014	***212***	8/20/2014	191	9/3/2014	177	10/6/2014	***228***	11/12/2014	***222***	12/9/2014	***232***
	Thallium (ug/l)	0.5		***0.535***		<0.5		<0.5		***0.582***		***0.521***		<0.5		<0.5		<0.5		***0.6***		<0.5		<0.5		<0.5
	Gross Alpha minus Rn & U (pCi/L)	3.75		***4.12***		***3.98***		***4.33***		2.95		3.67		3.36		3.09		***4.70***		***3.93***		***4.14***		***3.92***		***4.54***
	Field pH (S.U.)	6.5 - 8.5		6.54		***6.07***		***6.32***		6.79		7.10		6.83		6.55		7.07		***6.46***		6.54		***6.35***		***6.25***
	Selenium (ug/L)	12.5		8.95		12.3		***14.1***		***18.6***		***17.0***		***13.9***		***13.2***		***28.9***		***31.4***		***15.5***		10.1		7.5
	Uranium (ug/L)	7.5		***20.8***		***20.6***		***21.5***		***30.6***		***26.9***		***21.9***		***26.5***		***20.3***		***23.6***		***23.9***		***19.6***		***20.3***
Required Semi-Annual Sampling Wells																										
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	NS	NA	2/20/2014	NA	NS	NA	NS	NA	5/28/2014	20.4	NS	NA	NS	NA	9/10/2014	NA	NS	NA	11/17/2014	19	NS	NA
	Field pH (S.U.)	6.77 - 8.5		NA		NA		6.61		NA		NA		7.11		NA		NA		***6.75***		NA		6.87		NA
	Sulfate (mg/L)	838		NA		NA		836		NA		NA		***909***		NA		NA		810		NA		***920***		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	NS	NA	2/26/2014	37.0	NS	NA	NS	NA	5/30/2014	***69.5***	NS	NA	NS	NA	9/16/2014	***94.0***	NS	NA	11/17/2014	***62.4***	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		***6.23***		NA		NA		6.56		NA		NA		***6.13***		NA		***6.37***		NA
	Beryllium (ug/L)	2		NA		NA		NA		NA		NA		<0.5		NA		NA		NA		NA		<0.5		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		NA		NA		1.7		NA		NA		NA		NA		2		NA
	Zinc (ug/L)	173.19		NA		NA		NA		NA		NA		94.5		NA		NA		NA		NA		98.3		NA
	Thallium (ug/l)	1.6		NA		NA		NA		NA		NA		1.28		NA		NA		NA		NA		1.32		NA
	Sulfate (mg/L)	3663		NA		NA		NA		NA		NA		3460		NA		NA		3120		NA		***3800***		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		NA		0.573		NA		NA		0.6		NA		0.330		NA
	Fluoride (Mg/L)	0.68		NA		NA		***0.771***		NA		NA		***1.02***		NA		NA		***1.0***		NA		***1.08***		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	NS	NA	3/5/2014	6.58	NS	NA	NS	NA	5/30/2014	6.60	NS	NA	NS	NA	9/17/2014	***6.40***	NS	NA	11/12/2014	***6.41***	NS	NA
	Sulfate (mg/L)	3640		NA		NA		3100		NA		NA		***3830***		NA		NA		3350		NA		***3770***		NA
	Nitrate + Nitrite (as N) (mg/L)	1.3		NA		NA		0.849		NA		NA		0.97		NA		NA		1.0		NA		1.11		NA
	TDS (mg/L)	5805		NA		NA		5600		NA		NA		5790		NA		NA		5460		NA		5370		NA
	Selenium (ug/L)	89		NA		NA		***92.1***		NA		NA		***104***		NA		NA		***129***		NA		88.5		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	NS	NA	2/12/2014	***22.0***	NS	NA	NS	NA	6/4/2014	2.42	NS	NA	NS	NA	9/11/2014	0.90	NS	NA	11/12/2014	***36.20***	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	NS	NA	2/12/2014	23.7	NS	NA	NS	NA	6/4/2014	17.20	NS	NA	NS	NA	9/16/2014	NA	NS	NA	11/11/2014	***33.30***	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		***6.13***		NA		NA		7.10		NA		NA		***6.47***		NA		***6.25***		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	NS	NA	2/25/2014	110	NS	NA	NS	NA	6/4/2014	105	NS	NA	NS	NA	9/2/2014	***273***	NS	NA	11/12/2014	106	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		NA		***6.51***		NA		NA		6.91		NA		NA		***6.38***		NA		***6.41***		NA

			Q1 2014 Results						Q2 2014 Results						Q3 2014 Results						Q4 2014 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	January 2014 Monthly Sample Date	January 2014 Monthly Result	February 2014 Monthly Sample Date	February 2014 Monthly Result	Q1 2014 Sample Date	Q1 2014 Result	April 2014 Monthly Sample Date	April 2014 Monthly Result	May 2014 Monthly Sample Date	May 2014 Monthly Result	Q2 2014 Sample Date	Q2 2014 Result	April 2014 Monthly Sample Date	April 2014 Monthly Result	May 2014 Monthly Sample Date	May 2014 Monthly Result	Q3 2014 Sample Date	Q3 2014 Result	October 2014 Monthly Sample Date	October 2014 Monthly Result	Q4 2014 Sample Date	Q4 2014 Result	December 2014 Monthly Sample Date	December 2014 Monthly Result
Required Semi-Annual Sampling Wells, continued																										
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	NS	NA	2/19/2014	***2.77***	NS	NA	NS	NA	5/27/2014	***2.42***	NS	NA	NS	NA	9/9/2014	***2.7***	NS	NA	11/10/2014	***2.88***	NS	NA
	Sulfate (mg/L)	1938.9		NA		NA		1650		NA		NA		***2020***		NA		NA		1760		NA		1810		NA
	Field pH (S.U.)	6.25-8.5		NA		NA		***6.16***		NA		NA		7.04		NA		NA		6.40		NA		***6.10***		NA
	TDS (mg/L)	3198.77		NA		NA		3080		NA		NA		***3260***		NA		NA		3180		NA		2960		NA
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	NS	NA	2/18/2014	***6.29***	NS	NA	NS	NA	5/27/2014	7.38	NS	NA	NS	NA	9/11/2014	***6.46***	NS	NA	11/11/2014	***6.33***	NS	NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		NA		***3.82***		NA		NA		***3.68***		NA		NA		0.4		NA		***2.91***		NA
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	NS	NA	3/6/2014	***5.92***	NS	NA	NS	NA	5/30/2014	***2.91***	NS	NA	NS	NA	9/17/2014	1.5	NS	NA	11/19/2014	1.17	NS	NA
	Fluoride (mg/L)	0.36		NA		NA		0.234		NA		NA		0.337		NA		NA		***0.4***		NA		0.109		NA
	Sulfate (mg/L)	2903		NA		NA		NA		NA		NA		2450		NA		NA		NA		NA		***3120***		NA
	Thallium (ug/L)	1		NA		NA		***1.85***		NA		NA		***1.23***		NA		NA		0.6		NA		0.821		NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		***5.89***		NA		NA		***6.07***		NA		NA		***5.09***		NA		***5.69***		NA
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	NS	NA	2/25/2014	***7.98***	NS	NA	NS	NA	5/28/2014	***7.35***	NS	NA	NS	NA	9/8/2014	***6.30***	NS	NA	11/5/2014	***7.70***	NS	NA
	Chloride (mg/L)	38		NA		NA		***47.0***		NA		NA		***45.9***		NA		NA		***46.0***		NA		***42.6***		NA
	Sulfate (mg/L)	462		NA		NA		411		NA		NA		***484***		NA		NA		414		NA		419		NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		6.62		NA		NA		7.80		NA		NA		6.97		NA		6.70		NA
	TDS (mg/L)	1075		NA		NA		1040		NA		NA		1040		NA		NA		1020		NA		***1090***		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		NA		1.08		NA		NA		***2.33***		NA		NA		1.16		NA		<1.0		NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	NS	NA	2/26/2014	***113***	NS	NA	NS	NA	6/18/2014	***114***	NS	NA	NS	NA	9/16/2014	***112***	NS	NA	11/5/2014	***117***	NS	NA
	Cadmium (ug/L)	5.2		NA		NA		NA		NA		NA		***5.41***		NA		NA		4.7		NA		4.15		NA
	Uranium (ug/L)	4.9		NA		NA		NA		NA		NA		***61.3***		NA		NA		***10.6***		NA		***21.2***		NA
	Vanadium (ug/L)	30		NA		NA		NA		NA		NA		***109***		NA		NA		18.5		NA		29.3		NA
	Field pH (S.U.)	6.1 - 8.5		NA		NA		***6.01***		NA		NA		6.78		NA		NA		***5.79***		NA		***5.72***		NA
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	NS	NA	2/25/2014	***4500***	NS	NA	NS	NA	6/3/2014	4200	NS	NA	NS	NA	9/10/2014	4280	NS	NA	11/10/2014	4210	NS	NA
	Sulfate (mg/L)	2946		NA		NA		NA		NA		NA		2510		NA		NA		NA		NA		2760		NA
	Field pH (S.U.)	6.46 - 8.5		NA		NA		6.78		NA		NA		7.98		NA		NA		***6.10***		NA		***6.11***		NA
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	NS	NA	2/11/2014	1.94	NS	NA	NS	NA	5/23/2014	***4.35***	NS	NA	NS	NA	9/2/2014	***3.69***	NS	NA	11/5/2014	2.56	NS	NA
	Chloride (mg/L)	35.39		NA		NA		NA		NA		NA		***35.6***		NA		NA	8/26/2014	M		NA		33.3		NA
	Field pH (S.U.)	6.4 - 8.5		NA		NA		***6.15***		NA		NA		6.64		NA		NA	9/2/2014	***6.17***		NA		***6.08***		NA

Notes:

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

NS = Not Required and Not Sampled
NR = Required and Not Reported
NA = Not Applicable
Exceedances are shown in yellow
Values in () parentheses are the field pH measurements for the resampled analyses.

Table 3 – GWCL Exceedances for Fourth Quarter 2015 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***
	Chloride (mg/L)	35		NA		30.5		NA		31.1		NA	NS	NA		NA		***36.8***		NA		NA		29.8		31.1
	Cadmium (ug/L)	1.5		1.44		1.33		1.37		1.27		1.38	6/23/2015	1.42		1.43		1.41		1.31		1.5		1.38		1.45
	Uranium (ug/L)	6.5		***6.54***		***6.81***		6.43		5.86		6.38		5.88		6.25		6.39		6.20		6.40		6.19		6.00
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/21/2015	0.30	2/11/2015	***2.68***	3/4/2015	***0.965***	4/9/2015	***0.845***	5/12/2015	0.606	6/24/2015	0.588	7/7/2015	***1.15***	8/10/2015 8/17/2015	***1.75***	9/16/2015	***0.795***	10/7/2015	***2.36***	11/11/2015	***1.11***	12/8/2015	***1.200***
	Uranium (ug/L)	41.8		2.96		***78.1***		***72.6***		***75.7***		***63.3***		***67.4***		***72.1***		***61.9***		***56.0***		***61.2***		***66.0***		***65.2***
	Chloroform (ug/L)	70		***3570***		***1190***		***1020***		***1520***		***1160***		***2610***		***2560***		***1240***		***2150***		***2400***		***2660***		***3140***
	Chloride (mg/L)	58.31		***59.9***		***77.2***		***67.2***		***61.0***		***61.4***		***60.8***		***67.4***		***88.3***		***74.5***		***74.4***		***75.3***		***66.0***
	Field pH (S.U.)	6.74 - 8.5		***6.25***		***6.20***		***6.23***		***6.60***		***6.46***	6/3/2015 6/24/2015	***6.58, 6.20***		6.87		***6.54*** 6.81		***6.48***		6.80		***6.65***		***6.30***
	Dichloromethane (Methylene Chloride) (ug/L)	5		***6.42***		***5.89***		***6.95***		3.99		4.44	6/24/2015	***9.38***		***11.4***		2.17		<1.0		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
	Ammonia (mg/L)	0.14		NS		<0.05		<0.05		0.0960		0.0824		0.0997		0.0692		<0.05		<0.05		0.0540		<0.05		<0.05
	Fluoride (mg/L)	0.51		NA		0.324		NA		0.286		NA	6/24/2015	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
	Sulfate (mg/L)	532		***669***		***623***		***616***		***642***		***668***	6/23/2015	***691***		***684***		***640***		***638***		***655***		***646***		***690***
MW-35 (Class II)	Manganese (ug/L)	200	1/20/2015	***228***	2/5/2015	***223***	3/4/2015	190	4/9/2015	***237***	5/12/2015	***207.0***	6/23/2015	***214***	7/7/2015	185	8/10/2015	198	9/15/15 9/22/15 9/28/15	***201,*** 176	10/6/2015	169	11/3/2015	***210***	12/14/2015	177
	Thallium (ug/l)	0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5, <0.5		***0.638***		<0.5		<0.5
	Gross Alpha minus Rn & U (pCi/L)	3.75		***6.86***		***5.61***		***3.81***		***4.25***		***4.47***	6/2/2015	***4.01***		***4.93***		3.24		***4.81, 6.13***		***4.04***		***4.47***		***4.69***
	Field pH (S.U.)	6.5 - 8.5		***6.22***		6.53		***6.26***		6.64		***6.46***	6/2/2015 6/23/2015	6.50, ***6.41***		6.56		***6.40***		6.52, ***6.41, 6.49***		***6.29***		6.72		6.57
	Selenium (ug/L)	12.5		8.21		***14.2***		***26.6***		<5.0		9.11	6/23/2015	***13.6***		***26.1***		***12.5***		***16.7, 28.5***		***39.8***		9.96		***25.0***
	Uranium (ug/L)	7.5		***21.8***		***20.6***		***24.4***		***20.2***		***22.5***		***20.7***		***22.0***		***22.1***		***21.3, 22.3***		***23.8***		***22.7***		***21.8***
Required Semi-Annual Sampling Wells																										
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	2/10/2015	NA	NS	NA	4/15/2015	***23.9***	NS	NA	NS	NA	NS	NA	7/27/2015	NA	NS	NA	NS	NA	11/11/2015	21.9	NS	NA
	Field pH (S.U.)	6.77 - 8.5		NA		***6.66***		NA		7.15		NA		NA		NA		7.12		NA		NA		6.83		NA
	Sulfate (mg/L)	838		NA		813		NA		***892***		NA		NA		NA		***876***		NA		NA		830		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	2/11/2015	***61.1***	NS	NA	4/23/2015 5/20/2015	***81, 61.7***	NS	NA	NS	NA	NS	NA	7/28/2015	***68.3***	NS	NA	NS	NA	11/3/2015	***76.0***	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.12***		NA	4/23/2015 4/29/2015 5/20/2015	***6.18,*** 6.51, ***6.23***		NA		NA		NA		***6.16***		NA		NA		***6.25***		NA
	Beryllium (ug/L)	2		NA		NA		NA	4/23/2015 5/20/2015	1.44, ***2.08***		NA		NA		NA		NA		NA		NA		1.84		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		***5.03, 14.2***		NA		NA		NA		NA		NA		NA		***12.9***		NA
	Zinc (ug/L)	173.19		NA		NA		NA		***238, 373***		NA		NA		NA		NA		NA		NA		***275***		NA
	Thallium (ug/l)	1.6		NA		NA		NA	4/23/2015 5/20/2015	1.47, 1.51		NA		NA		NA		NA		NA		NA		***1.61***		NA
	Sulfate (mg/L)	3663		NA		3260		NA		***3700***		NA		NA		NA		***3670***		NA		NA		3360		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		0.638		NA	4/23/2015	0.642		NA		NA		NA		0.406		NA		NA		0.487		NA
	Fluoride (mg/L)	0.68		NA		***1.08***		NA		***1.00***		NA		NA		NA		***1.58***		NA		NA		***1.35***		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/12/2015	***6.15***	NS	NA	4/23/2015 4/29/2015	6.59, ***6.24***	NS	NA	NS	NA	NS	NA	7/29/2015	***6.34***	NS	NA	NS	NA	11/4/2015	6.63	NS	NA
	Sulfate (mg/L)	3640		NA		3450		NA		***3720***		NA		NA		NA		***3860***		NA		NA		3380		NA
	Nitrate + Nitrite (as N) (mg/L)	1.3		NA		1.05		NA	4/23/2015	1.1		NA		NA		NA		0.435		NA		NA		0.903		NA
	TDS (mg/L)	5805		NA		5470		NA		5410		NA		NA		NA		5660		NA		NA		5510		NA
	Selenium (ug/L)	89		NA		***94.1***		NA		***101***		NA		NA		NA		85.9		NA		NA		***91.7***		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/10/2015	2.94	NS	NA	4/21/2015	1.3	NS	NA	NS	NA	NS	NA	7/21/2015	0.887	NS	NA	NS	NA	11/4/2015	2.35	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	2/9/2015	***30.0***	NS	NA	4/21/2015	***29.4***	NS	NA	NS	NA	NS	NA	7/21/2015	24.6	NS	NA	NS	NA	11/17/2015	24.7	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.33***		NA	4/21/2015 4/28/2015	6.50, 6.70		NA		NA		NA		6.70		NA		NA		6.65		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	2/4/2015	125	NS	NA	4/13/2015	***137***	NS	NA	NS	NA	NS	NA	7/22/2015	104	NS	NA	NS	NA	11/16/2015	107	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		***6.50***		NA		6.82		NA		NA		NA		***6.61***		NA		NA		6.81		NA

			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-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
	Sulfate (mg/L)	462		NA		402		NA		429		NA		NA		NA		425		NA		NA		430		NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.82		NA		7.09		NA		NA		NA		6.84		NA		NA		***6.48***		NA
	TDS (mg/L)	1075		NA		996		NA		1040		NA		NA		NA		1010		NA		NA		1000		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		<1.0		NA		<1.0		NA		NA		NA		<1.0		NA		NA		<1.0		NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	2/9/2015	***130***	NS	NA	4/21/2015	***125***	NS	NA	NS	NA	NS	NA	7/21/2015	***113***	NS	NA	NS	NA	11/10/2015	***116***	NS	NA
	Cadmium (ug/L)	5.2		NA		4.83		NA		4.59		NA		NA		NA		4.97		NA		NA		4.73		NA
	Uranium (ug/L)	4.9		NA		4.48		NA		***6.13***		NA		NA		NA		4.87		NA		NA		4.84		NA
	Vanadium (ug/L)	30		NA		<15.0		NA		<15.0		NA		NA		NA		<15.0		NA		NA		<15.0		NA
	Field pH (S.U.)	6.1 - 8.5		NA		***5.86***		NA	4/21/2015 4/27/2015	***6.08***, 6.17		NA		NA		NA		***5.91***		NA		NA		6.22		NA
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	2/10/2015	***4430***	NS	NA	4/30/2015	4190	NS	NA	NS	NA	NS	NA	7/22/2015	4310	NS	NA	NS	NA	11/16/2015	4110	NS	NA
	Sulfate (mg/L)	2946		NA		NA		NA		***2960***		NA		NA		NA		NA		NA		NA		2740		NA
	Field pH (S.U.)	6.46 - 8.5		NA		***6.42***		NA		***6.36***		NA		NA		NA		***6.30***		NA		NA		***6.37***		NA
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	2/9/2015	2.19	NS	NA	4/8/2015	1.81	NS	NA	NS	NA	NS	NA	7/23/2015	1.89	NS	NA	NS	NA	11/3/2015	2.19	NS	NA
	Chloride (mg/L)	35.39		NA	3/17/2015	[redacted]		NA		***37.8***		NA		NA		NA		***37.3***		NA		NA		34.1		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] reported from the quarterly chloroform sample

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

			Q1 2016 Results						
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	Sample Frequency
Required Quarterly Sampling Wells									
MW-11 (Class II)	Manganese (ug/L)	131.29	1/20/2016	***197***	2/8/2016	***217***	3/3/2016	***155***	Quarterly
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/19/2016	***6.27***	2/15/2016	6.55	3/3/2016	6.66	Quarterly
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/19/2016	***6.18***	2/8/2016	6.50	3/2/2016	6.57	Quarterly
	Chloride (mg/L)	35		29.6		31.6		30.9	Quarterly
	Cadmium (ug/L)	1.5		1.37		***1.51***		1.42	Quarterly
	Uranium (ug/L)	6.5		***6.54***		6.16		6.22	Quarterly
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/20/2016	***0.943***	2/16/2016	***1.66***	3/2/2016	***1.95***	Quarterly
	Uranium (ug/L)	41.8		29.3		30.4		***67.7***	Quarterly
	Chloroform (ug/L)	70		***2370***		***3530***		***2280***	Quarterly
	Chloride (mg/L)	58.31		***63.5***		***69.1***		***76.8***	Quarterly
	Field pH (S.U.)	6.74 - 8.5		***6.27***		***5.98***		***6.35***	Quarterly
	Dichloromethane (Methylene Chloride) (ug/L)	5		4.73		***8.68***		3.93	Quarterly
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/20/2016	***14.6***	2/10/2016	***20.0***	3/2/2016	***17.8***	Quarterly
	Chloride (mg/L)	128		***143***		***145***		***142***	Quarterly
	Uranium (ug/L)	8.32		***8.34***		7.76		7.82	Quarterly
	Field pH (S.U.)	6.5 - 8.5		***6.45***		6.94		6.51	Quarterly
	Ammonia (mg/L)	0.14		<0.05		0.0646		<0.05	Quarterly
	Fluoride (mg/L)	0.51		NA		0.360		<10.00	Quarterly
	Selenium (ug/L)	34		***41.7***		***42.5***		***43.2***	Quarterly
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/19/2016	***18.9***	2/15/2016	***18.8***	3/2/2016	***18.0***	Quarterly
	TDS (mg/L)	1320		***1560***		***1490***		***1580***	Quarterly
	Chloride (mg/L)	143		***228***		***246***		***228***	Quarterly
	Selenium (ug/L)	71		***85.1***		***81.0***		***85.7***	Quarterly
	Field pH (S.U.)	6.5 - 8.5		7.04		7.21		6.83	Quarterly
	Sulfate (mg/L)	532		***675***		***631***		***654***	Quarterly
MW-35 (Class II)	Manganese (ug/L)	200	1/19/2016	***211***	2/10/2016	194	3/2/2016	194	Quarterly
	Thallium (ug/l)	0.5		<0.5		<0.5		<0.5	Quarterly
	Gross Alpha minus Rn & U (pCi/L)	3.75		***6.95***		2.42		***3.88***	Quarterly
	Field pH (S.U.)	6.5 - 8.5		***6.35***		6.70		6.53	Quarterly
	Selenium (ug/L)	12.5		8.62		***14.4***		***20.2***	Quarterly
	Uranium (ug/L)	7.5		***21.1***		***20.8***		***21.8***	Quarterly
Required Semi-Annual Sampling Wells									
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	2/10/2016	22.1	NS	NA	Semi-Annually
	Field pH (S.U.)	6.77 - 8.5		NA		7.06		NA	Semi-Annually
	Sulfate (mg/L)	838		NA		812		NA	Semi-Annually
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	2/16/2016	<5.00	NS	NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		***6.21***		NA	Semi-Annually
	Beryllium (ug/L)	2		NA		0.694		NA	Semi-Annually
	Cadmium (ug/L)	4.67		NA		3.71		NA	Semi-Annually
	Zinc (ug/L)	173.19		NA		***4210***		NA	Semi-Annually
	Thallium (ug/l)	1.6		NA		1.46		NA	Semi-Annually
	Sulfate (mg/L)	3663		NA		3230		NA	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		<0.100		NA	Semi-Annually
	Fluoride (mg/L)	0.68		NA		***1.33***		NA	Semi-Annually
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/16/2016	7.08	NS	NA	Semi-Annually
	Sulfate (mg/L)	3640		NA		3580		NA	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	1.3		NA		0.951		NA	Semi-Annually
	TDS (mg/L)	5805		NA		5560		NA	Semi-Annually
	Selenium (ug/L)	89		NA		***91.5***		NA	Semi-Annually
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/15/2016	1.15	NS	NA	Semi-Annually
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	2/4/2016	23.8	NS	NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		***6.36***		NA	Semi-Annually
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	2/4/2016	123	NS	NA	Semi-Annually
	Field pH (S.U.)	6.62 - 8.5		NA		***6.30***		NA	Semi-Annually

Q1 2015 Results									
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	Sample Frequency
Required Semi-Annual Sampling Wells, continued									
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	2/9/2016	***2.67***	NS	NA	Semi-Annually
	Sulfate (mg/L)	1938.9		NA		1890		NA	Semi-Annually
	Field pH (S.U.)	6.25-8.5		NA		***6.10***		NA	Semi-Annually
	TDS (mg/L)	3198.77		NA		3130		NA	Semi-Annually
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	2/9/2016	***6.76***	NS	NA	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		2.44		NA	Semi-Annually
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	2/17/2016	***6.31***	NS	NA	Semi-Annually
	Fluoride (mg/L)	0.36		NA		0.117		NA	Semi-Annually
	Sulfate (mg/L)	2903		NA		2750		NA	Semi-Annually
	Thallium (ug/L)	1		NA		***2.04***		NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		***5.95***		NA	Semi-Annually
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	2/2/2016	***6.50***	NS	NA	Semi-Annually
	Chloride (mg/L)	38		NA		***47.3***		NA	Semi-Annually
	Sulfate (mg/L)	462		NA		439		NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		6.59		NA	Semi-Annually
	TDS (mg/L)	1075		NA		1050		NA	Semi-Annually
	Gross Alpha minus Rn & U (pCi/L)	2		NA		<1.0		NA	Semi-Annually
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	2/2/2016	***130***	NS	NA	Semi-Annually
	Cadmium (ug/L)	5.2		NA		***5.26***		NA	Semi-Annually
	Uranium (ug/L)	4.9		NA		4.61		NA	Semi-Annually
	Vanadium (ug/L)	30		NA		<15.0		NA	Semi-Annually
	Field pH (S.U.)	6.1 - 8.5		NA		***5.46***		NA	Semi-Annually
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	2/10/2016	***4410***	NS	NA	Semi-Annually
	Sulfate (mg/L)	2946		NA		2710		NA	Semi-Annually
	Field pH (S.U.)	6.46 - 8.5		NA		6.47		NA	Semi-Annually
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	2/3/2016	2.17	NS	NA	Semi-Annually
	Chloride (mg/L)	35.39		NA		***38.2***		NA	Semi-Annually
	Field pH (S.U.)	6.4 - 8.5		NA		***5.99***		NA	Semi-Annually

Notes:

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

NS = Not Required and Not Sampled

NR = Required and Not Reported

NA = Not Applicable

Exceedances are shown in yellow

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

Pursuant to the DWMRC letters of February 25, 2016 and March 30, 2016, these constituents will no longer be monitored on an accelerated schedule. These constituents will be dropped from this report after this quarter.

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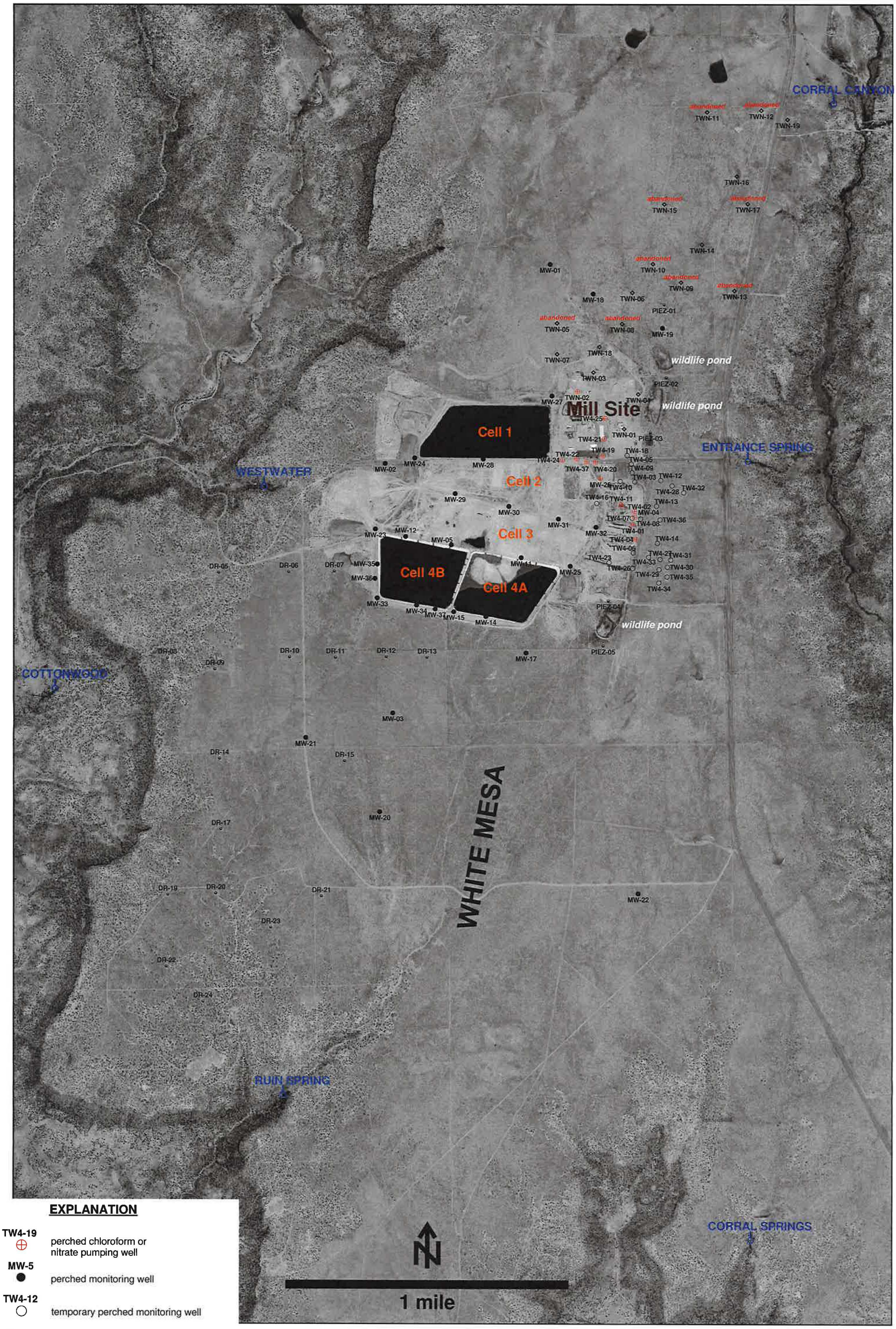
Tab A

Site Plan and Perched Well Locations White Mesa Site



EXPLANATION

- TW4-19 — perched chloroform or nitrate pumping well
- MW-5 — perched monitoring well
- TW4-12 — temporary perched monitoring well
- TWN-7 — temporary perched nitrate monitoring well
- PIEZ-1 — perched piezometer
- RUIN SPRING — seep or spring

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WHITE MESA SITE PLAN SHOWING LOCATIONS OF PERCHED WELLS AND PIEZOMETERS

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/may16/Uwelloc0316.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 2016

Location (well name): MW-01

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: ~~MW-01-16~~ MW-01_02102016

Date and Time for Purging: 2/10/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☑ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☑ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-30

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 118.00

Depth to Water Before Purging: 64.37

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 19.68 (.367h)

Weather Cond.: Sunny

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

Time	1007	Gal. Purged	39.49
Conductance	1940	pH	7.10
Temp. °C	14.26		
Redox Potential Eh (mV)	520		
Turbidity (NTU)	1.5		

Time	1008	Gal. Purged	39.71
Conductance	1945	pH	7.07
Temp. °C	14.30		
Redox Potential Eh (mV)	520		
Turbidity (NTU)	1.5		

Time	1009	Gal. Purged	39.92
Conductance	1939	pH	7.08
Temp. °C	14.28		
Redox Potential Eh (mV)	519		
Turbidity (NTU)	1.5		

Time	1010	Gal. Purged	40.14
Conductance	1931	pH	7.06
Temp. °C	14.25		
Redox Potential Eh (mV)	517		
Turbidity (NTU)	1.5		

Volume of Water Purged: 40.14 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 181.40

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

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

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

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: 96.05 Sample Time: 1010

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 185 minutes.
Purge ended and samples collected at 1010. water was clear
Left site at 1012

MW-01 02-10-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2016

Location (well name): MW-03

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-03_02162016

Date and Time for Purging: 2/16/2016 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

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

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 89.80

Depth to Water Before Purging: 82.51

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 2.67 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1025	Gal. Purged	5.2		
Conductance	5797	pH	6.19		
Temp. °C	14.49				
Redox Potential Eh (mV)	307				
Turbidity (NTU)	1.0				

Time	1026	Gal. Purged	5.40		
Conductance	5816	pH	6.19		
Temp. °C	14.50				
Redox Potential Eh (mV)	300				
Turbidity (NTU)	1.0				

Time	1027	Gal. Purged	5.61		
Conductance	5801	pH	6.19		
Temp. °C	14.48				
Redox Potential Eh (mV)	294				
Turbidity (NTU)	1.0				

Time	1028	Gal. Purged	5.82		
Conductance	5801	pH	6.21		
Temp. °C	14.50				
Redox Potential Eh (mV)	290				
Turbidity (NTU)	1.0				

Volume of Water Purged: 6.24 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 25.72

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

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

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

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

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

Final Depth: 84.01 Sample Time: 1030

See instruction

Comment

Arrived on site at 0955. Tanner and Garrin present for purge and sampling event. Purge began at 1000. Purged well for a total of 30 minutes. Purge ended and Samples collected at 1030. Water was clear. Left site at 1043

MW-03 02-16-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2016

Location (well name): MW-03A

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-03A_02162016

Date and Time for Purging: 2/15/2016 and Sampling (if different): 2/16/2016

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

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW Prev. Well Sampled in Sampling Event: MW-14

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

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

Depth to Water Before Purging: 84.60 Casing Volume (V) 4" Well: 6.79 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event): 9°

Time	1545	Gal. Purged	14.56
Conductance	5846	pH	7.29
Temp. °C	21.27		
Redox Potential Eh (mV)	503		
Turbidity (NTU)	2.1		

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

Time	0758	Gal. Purged	0
Conductance	6107	pH	7.12
Temp. °C	14.38		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0805	Gal. Purged	0
Conductance	6111	pH	7.08
Temp. °C	14.32		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 14.56 gallon(s)

Pumping Rate Calculation

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

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

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

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

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

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

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

Final Depth: 92.89 Sample Time: 0800

See instruction

Comment

Arrived on site at 1433. Tanner and Garrin present for purge
Purge began at 1435. Purged well for a total of 70 minutes. Purged well dry.
Purge ended at 1545. Water was clear. Left site at 1547
Arrived on site at ~~0920~~ 0755. Tanner and Garrin present to collect samples. Depth to water was 87.99 Samples collected at 0800 Left site at 0806

MW-03A 02-15-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2016

Location (well name): MW-05

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-05_02152016

Date and Time for Purging: 2/15/2016 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-36

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 138.50

Depth to Water Before Purging: 106.26

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

Weather Cond.: Sunny

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

Time	1052	Gal. Purged	42.74
Conductance	2966	pH	7.37
Temp. °C	14.38		
Redox Potential Eh (mV)	530		
Turbidity (NTU)	3.0		

Time	1053	Gal. Purged	42.96
Conductance	2930	pH	7.40
Temp. °C	14.40		
Redox Potential Eh (mV)	529		
Turbidity (NTU)	3.0		

Time	1054	Gal. Purged	43.18
Conductance	2936	pH	7.42
Temp. °C	14.36		
Redox Potential Eh (mV)	528		
Turbidity (NTU)	2.9		

Time	1055	Gal. Purged	43.40
Conductance	2932	pH	7.44
Temp. °C	14.35		
Redox Potential Eh (mV)	526		
Turbidity (NTU)	2.9		

Volume of Water Purged: 43.40 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 194.03

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

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

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

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

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

Final Depth: 125.95

Sample Time: 1055

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 200 minutes
Purge ended and sample collected at 1055. Water was clear
Left site at 1058

MW-05 02-15-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2016

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_02082016

Date and Time for Purging: 2/8/2016 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-25

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 86.40

Casing Volume (V) 4" Well: 28.47 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1342	Gal. Purged	57.93
Conductance	3064	pH	7.20
Temp. °C	14.30		
Redox Potential Eh (mV)	514		
Turbidity (NTU)	0		

Time	1343	Gal. Purged	58.15
Conductance	3039	pH	7.22
Temp. °C	14.35		
Redox Potential Eh (mV)	511		
Turbidity (NTU)	0		

Time	1344	Gal. Purged	58.37
Conductance	3061	pH	7.23
Temp. °C	14.33		
Redox Potential Eh (mV)	511		
Turbidity (NTU)	0		

Time	1345	Gal. Purged	58.59
Conductance	3061	pH	7.25
Temp. °C	14.34		
Redox Potential Eh (mV)	509		
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 = 262.40

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

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

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

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

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

Final Depth: 87.60 Sample Time: 1345

See instruction

Comment

Arrived on site at 0910. Tanner and Garrin Present for purge and sampling event.
Purge began at 0915. Purged well for a total of 270 minutes
Purged ~~well for a t~~ ended at 1345. Water was clear
Left site at 1356

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capturx COMPATIBLE WITH Aruba FUNCTIONALITY

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

See instruction

Description of Sampling Event: 1st Quarter Ground Water 2016

Location (well name): MW-[redacted]12

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID [redacted]
MW-12_02042016

Date and Time for Purging 2/4/16 and Sampling (if different) NA

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

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event MW-32

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm Well Depth(0.01ft): [redacted]
130.40

Depth to Water Before Purging [redacted]
108.50

Casing Volume (V) 4" Well: [redacted] (.653h) 14.30
3" Well: 0 (.367h)

Weather Cond. Clear skies / Cold

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

Time	1007	Gal. Purged	40.57		
Conductance	3989	pH	6.38		
Temp. °C	12.10				
Redox Potential Eh (mV)	515				
Turbidity (NTU)	22.4				

Time	1008	Gal. Purged	40.79		
Conductance	3980	pH	6.35		
Temp. °C	12.06				
Redox Potential Eh (mV)	512				
Turbidity (NTU)	22.0				

Time	1009	Gal. Purged	41.01		
Conductance	3998	pH	6.36		
Temp. °C	12.12				
Redox Potential Eh (mV)	509				
Turbidity (NTU)	22.5				

Time	1010	Gal. Purged	41.23		
Conductance	3994	pH	6.36		
Temp. °C	12.14				
Redox Potential Eh (mV)	505				
Turbidity (NTU)	22.7				

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 = [redacted] 131.80

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

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

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

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

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

Final Depth [125.99] Sample Time [1010]

See instruction

Comment

Arrived on site at 0645. Garrin present for purge and sampling event. Purge began at 0700. Purged well for a total of 190 minutes. Purge ended and Samples were collected at 1010. Water was clear. Left site at 1020.

[MW-12 02-04-2016] Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2016

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-14_02152016

Date and Time for Purging: 2/15/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: 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): 128.70

Depth to Water Before Purging: 103.15

Casing Volume (V) 4" Well: 16.68 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1342	Gal. Purged	32.98
Conductance	3979	pH	6.55
Temp. °C	14.59		
Redox Potential Eh (mV)	536		
Turbidity (NTU)	0		

Time	1343	Gal. Purged	33.20
Conductance	3970	pH	6.53
Temp. °C	14.49		
Redox Potential Eh (mV)	537		
Turbidity (NTU)	0		

Time	1344	Gal. Purged	33.41
Conductance	3971	pH	6.52
Temp. °C	14.48		
Redox Potential Eh (mV)	538		
Turbidity (NTU)	0		

Time	1345	Gal. Purged	33.63
Conductance	3966	pH	6.55
Temp. °C	14.50		
Redox Potential Eh (mV)	537		
Turbidity (NTU)	0		

Volume of Water Purged: 33.63 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 153.77

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

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

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

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

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

Final Depth: 104.12 Sample Time: 1345

See instruction

Comment

Arrived on site at 1105. Tanner and Garrin present for purge and sampling event.
Purge began at 1110. Purged well for a total of 155 minutes
Purge ended and samples collected at 1345. Water was clear.
Left site at 1401

MW-14 02-15-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1st Quarter Ground Water 2016

Location (well name): [redacted] MW-15

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID [redacted] MW-15_02042016

Date and Time for Purging 2/4/16 and Sampling (if different) NA

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-05

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm Well Depth(0.01ft): 137

Depth to Water Before Purging 109.38 Casing Volume (V) 4" Well: 18.03 (.653h)
3" Well: 0 (.367h)

Weather Cond. Clear Skies / Cold Ext'l Amb. Temp. °C (prior sampling event) -14

Time	1032	Gal. Purged	39.49		
Conductance	4301	pH	6.01		
Temp. °C	13.77				
Redox Potential Eh (mV)	507				
Turbidity (NTU)	0				

Time	1033	Gal. Purged	39.71		
Conductance	4322	pH	6.27		
Temp. °C	13.72				
Redox Potential Eh (mV)	506				
Turbidity (NTU)	0				

Time	1034	Gal. Purged	39.92		
Conductance	4296	pH	6.28		
Temp. °C	13.74				
Redox Potential Eh (mV)	505				
Turbidity (NTU)	0				

Time	1035	Gal. Purged	40.14		
Conductance	4299	pH	6.30		
Temp. °C	13.78				
Redox Potential Eh (mV)	504				
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 = [166.22]

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 [109.97] Sample Time [1035]

See instruction

Comment

Arrived on site at 0720. Garrin present for purge and sampling. Purge began at 0730. Purged well for a total of 185 minutes. Purge ended and samples were collected at 1035. Water was clear. Left site at 1050.

MW-15 02-04-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2016

Location (well name): MW-18

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-18_02092016

Date and Time for Purging: 2/9/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-19

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 134.00

Depth to Water Before Purging: 72.30

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

Weather Cond.: Sunny

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

Time	1327	Gal. Purged	83.97
Conductance	3229	pH	6.13
Temp. °C	17.85		
Redox Potential Eh (mV)	537		
Turbidity (NTU)	0		

Time	1328	Gal. Purged	84.19
Conductance	3224	pH	6.13
Temp. °C	17.87		
Redox Potential Eh (mV)	533		
Turbidity (NTU)	0		

Time	1329	Gal. Purged	84.41
Conductance	3220	pH	6.11
Temp. °C	17.88		
Redox Potential Eh (mV)	532		
Turbidity (NTU)	0		

Time	1330	Gal. Purged	84.63
Conductance	3226	pH	6.10
Temp. °C	17.88		
Redox Potential Eh (mV)	529		
Turbidity (NTU)	0		

Volume of Water Purged: 84.63 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 371.33

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	☐	☒		☐	☒
Sulfate								
TDS								

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

Final Depth: 73.15 Sample Time: 1330

See instruction

Comment

Arrived on site at 0656. Tanner and Garrin present for purge and sampling event
Purge began at 0700. Purged well for a total of 390 minutes.
Purge ended and samples collected at 1330. Water was clear
Left site at 1338

MW-18 02-09-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2016

Location (well name): MW-19

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-19_02092016

Date and Time for Purging: 2/9/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-11

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: 61.94

Casing Volume (V) 4" Well: 56.85 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1537	Gal. Purged	116.52
Conductance	1455	pH	6.82
Temp. °C	14.70		
Redox Potential Eh (mV)	507		
Turbidity (NTU)	0		

Time	1538	Gal. Purged	116.74
Conductance	1445	pH	6.78
Temp. °C	14.72		
Redox Potential Eh (mV)	508		
Turbidity (NTU)	0		

Time	1539	Gal. Purged	116.96
Conductance	1444	pH	6.77
Temp. °C	14.67		
Redox Potential Eh (mV)	509		
Turbidity (NTU)	0		

Time	1540	Gal. Purged	117.18
Conductance	1448	pH	6.76
Temp. °C	14.65		
Redox Potential Eh (mV)	510		
Turbidity (NTU)	0		

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 = 523.96

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

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

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

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

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

Final Depth: 70.15 Sample Time: 1540

See instruction

Comment

Arrived on site at 0635. Tanner and Garrin present for purge and sampling event.
Purge began at 0640. Purged well for a total of 540 minutes
Purge ended and sample collected at 1540, water was clear
Left site at 1542

MW-19 02-09-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2016

Location (well name): MW-24

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-24_02172016

Date and Time for Purging: 2/16/2016 and Sampling (if different): 2/17/2016

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly ~~Ehtoro~~ GW

Prev. Well Sampled in Sampling Event: MW-03

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging: 112.94

Casing Volume (V) 4" Well: 4.61 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1200	Gal. Purged	9.6
Conductance	4498	pH	5.61
Temp. °C	14.51		
Redox Potential Eh (mV)	487		
Turbidity (NTU)	6.2		

Time	0714	Gal. Purged	0
Conductance	4462	pH	6.00
Temp. °C	14.34		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

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

Time	0718	Gal. Purged	0
Conductance	4480	pH	5.95
Temp. °C	14.37		
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 = 48.02

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: 118.11

Sample Time: 0715

See instruction

Comment

Arrived on site at 1105. Tanner and Garrin present for purge
Purge began at 1110. Purged well for a total of 50 minutes. Purged well dry.
Purge ended at 1200. water was mostly clear. Left site at 1202
Arrived on site at 0710 Tanner and Garrin present to collect samples. Depth to water was 112.95. Samples collected at 0715 Left site at 0720

MW-24 02-16-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2016

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_02082016

Date and Time for Purging: 2/8/2016 and Sampling (if different): N/A

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

Purging Method Used: ☒ 2 casings ☐ 3 casings

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

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: ~~86.1~~ 76.65

Casing Volume (V) 4" Well: 25.04 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1247	Gal. Purged	51.42		
Conductance	3227	pH	6.52		
Temp. °C	14.50				
Redox Potential Eh (mV)	546				
Turbidity (NTU)	26				

Time	1248	Gal. Purged	51.64		
Conductance	3232	pH	6.51		
Temp. °C	14.52				
Redox Potential Eh (mV)	547				
Turbidity (NTU)	25				

Time	1249	Gal. Purged	51.86		
Conductance	3238	pH	6.51		
Temp. °C	14.43				
Redox Potential Eh (mV)	547				
Turbidity (NTU)	24				

Time	1250	Gal. Purged	52.08		
Conductance	3234	pH	6.50		
Temp. °C	14.41				
Redox Potential Eh (mV)	547				
Turbidity (NTU)	24				

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 = 230.80

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

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

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

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

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

Final Depth: 78.13 Sample Time: 1250

See instruction

Comment

Arrived on site at 0845. Tanner and Garrin present for purge and sampling event.
Purge began at 0850. Purged well for a total of 240 minutes.
Purge ended at 1250 Water was mostly clear
Left site at 1301

Do not touch this cell (SheetName)

capturx COMPATIBLE WITH Accela FUNCTIONALITY

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2016

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_02162016

Date and Time for Purging: 2/16/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-24

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 63.60

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

Weather Cond.: Sunny

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

Time	1359	Gal. Purged	0
Conductance	3557	pH	5.98
Temp. °C	15.95		
Redox Potential Eh (mV)	484		
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 = 8.50

Time to evacuate two casing volumes (2V)
T = 2V/Q = 8.87

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: 103.29 Sample Time: 1400

See instruction

Comment

Arrived on site at 1355 Tanner and Garrin present to collect samples.
Samples collected at 1400 Water was Clear
Left site at 1408

Continuous Pumping Well

MW-26 02-16-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1st Quarter Ground Water 2016

Location (well name): MW-27

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-27_02022016

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

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-28

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 95.00

Depth to Water Before Purging: 53.69

Casing Volume (V) 4" Well: 26.97 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1127	Gal. Purged	53.59		
Conductance	1526	pH	6.53		
Temp. °C	13.96				
Redox Potential Eh (mV)	522				
Turbidity (NTU)	0				

Time	1128	Gal. Purged	53.81		
Conductance	1526	pH	6.55		
Temp. °C	13.95				
Redox Potential Eh (mV)	520				
Turbidity (NTU)	0				

Time	1129	Gal. Purged	54.03		
Conductance	1525	pH	6.57		
Temp. °C	13.90				
Redox Potential Eh (mV)	518				
Turbidity (NTU)	0				

Time	1130	Gal. Purged	54.25		
Conductance	1529	pH	6.59		
Temp. °C	13.89				
Redox Potential Eh (mV)	517				
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 = 248.62

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

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

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

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

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

Final Depth: 55.35 Sample Time: 1130

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 250 minutes.
Purge ended and samples collected at 1130. Water was clear
Left site at 1138

MW-27 02-02-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2016

Location (well name): MW-28

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-28_02022016

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

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: N/A

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: 75.00

Casing Volume (V) 4" Well: 22.85 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1042	Gal. Purged	46.00
Conductance	4048	pH	5.41
Temp. °C	13.67		
Redox Potential Eh (mV)	555		
Turbidity (NTU)	1.1		

Time	1043	Gal. Purged	46.22
Conductance	4045	pH	5.45
Temp. °C	13.78		
Redox Potential Eh (mV)	550		
Turbidity (NTU)	1.0		

Time	1044	Gal. Purged	46.43
Conductance	4044	pH	5.47
Temp. °C	13.80		
Redox Potential Eh (mV)	548		
Turbidity (NTU)	1.0		

Time	1045	Gal. Purged	46.65
Conductance	4052	pH	5.46
Temp. °C	13.79		
Redox Potential Eh (mV)	545		
Turbidity (NTU)	1.0		

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 = [210.64]

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

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

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

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

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

Final Depth [78.76] Sample Time [1045]

See instruction

Comment

Arrived on site at 0705. Tanner and Garrin present for purge and sampling event. Purge began at 0710. Purged well for a total of 215 minutes. Purge ended and samples were collected at 1045. Water was clear. Left site at 1105.

MW-28 02-02-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2016

Location (well name): MW-29

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-29_02102016

Date and Time for Purging: 2/10/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-35

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 127.00

Depth to Water Before Purging: 101.50

Casing Volume (V) 4" Well: 16.65 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1302	Gal. Purged	34.06		
Conductance	4703	pH	6.50		
Temp. °C	13.99				
Redox Potential Eh (mV)	512				
Turbidity (NTU)	16				

Time	1303	Gal. Purged	34.28		
Conductance	4711	pH	6.49		
Temp. °C	14.05				
Redox Potential Eh (mV)	511				
Turbidity (NTU)	15.9				

Time	1304	Gal. Purged	34.50		
Conductance	4705	pH	6.48		
Temp. °C	14.07				
Redox Potential Eh (mV)	510				
Turbidity (NTU)	15.9				

Time	1305	Gal. Purged	34.72		
Conductance	4711	pH	6.47		
Temp. °C	14.08				
Redox Potential Eh (mV)	510				
Turbidity (NTU)	15.9				

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 = 153.47

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: 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~~
Sulfate
TDS

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

Final Depth: 104.29 Sample Time: 1305

See instruction

Comment

Arrived on site at 1042. Tanner and Garrin present for purge and sampling event
Purge began at 1045. Purged well for a total of 160 minutes.
Purge ended and samples collected at 1305. Water was mostly clear.
Left site at 1309

MW-29 02-10-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1st Quarter Ground Water 2016

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_02102016

Date and Time for Purging: 2/10/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-18

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.68

Casing Volume (V) 4" Well: 22.41 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1022	Gal. Purged	44.91
Conductance	2110	pH	6.95
Temp. °C	14.18		
Redox Potential Eh (mV)	505		
Turbidity (NTU)	0		

Time	1023	Gal. Purged	45.13
Conductance	2105	pH	6.94
Temp. °C	14.16		
Redox Potential Eh (mV)	504		
Turbidity (NTU)	0		

Time	1024	Gal. Purged	4535
Conductance	2104	pH	6.95
Temp. °C	14.10		
Redox Potential Eh (mV)	504		
Turbidity (NTU)	0		

Time	1025	Gal. Purged	45.57
Conductance	2102	pH	6.94
Temp. °C	14.13		
Redox Potential Eh (mV)	504		
Turbidity (NTU)	0		

Volume of Water Purged: 45.51 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 206.55

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs: AWAL 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: 77.09 Sample Time: 1025

See instruction

Comment

Arrived on site at 0650. Tanner and Garrin present for purge and sampling event.
Purge began at 0655. Purged well for a total of 210 minutes.
Purge ended and samples were collected at 1025. Water was clear
Left site at 1036

MW-30 02-10-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: Quarterly Ground Water 2016 1ST Quarter

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_02152016

Date and Time for Purging: 2/15/2016 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-05

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 68.55

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

Weather Cond.: Sunny

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

Time	1412	Gal. Purged	80.72
Conductance	2320	pH	7.27
Temp. °C	14.65		
Redox Potential Eh (mV)	503		
Turbidity (NTU)	0.5		

Time	1413	Gal. Purged	80.94
Conductance	2318	pH	7.24
Temp. °C	14.63		
Redox Potential Eh (mV)	505		
Turbidity (NTU)	0.5		

Time	1414	Gal. Purged	81.15
Conductance	2323	pH	7.22
Temp. °C	14.60		
Redox Potential Eh (mV)	506		
Turbidity (NTU)	0.5		

Time	1415	Gal. Purged	81.37
Conductance	2315	pH	7.21
Temp. °C	14.60		
Redox Potential Eh (mV)	506		
Turbidity (NTU)	0.5		

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 = 369.83

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs: AWAL 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: 71.80 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 375 minutes.
Purge ended and samples collected at 1415. Water was clear
Left site at 1425

MW-31 02-15-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1st Quarter Ground water 2016

Location (well name): MW-32

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-32_02032016

Date and Time for Purging: 2/3/2016 and Sampling (if different): NA

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-27

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 132.50

Depth to Water Before Purging: 77.25

Casing Volume (V) 4" Well: 36.07 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly cloudy / cold

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

Time	1237	Gal. Purged	73.12
Conductance	3356	pH	6.00
Temp. °C	13.96		
Redox Potential Eh (mV)	524		
Turbidity (NTU)	6.0		

Time	1238	Gal. Purged	73.34
Conductance	3351	pH	5.99
Temp. °C	13.98		
Redox Potential Eh (mV)	518		
Turbidity (NTU)	6.2		

Time	1239	Gal. Purged	73.56
Conductance	3321	pH	5.98
Temp. °C	14.00		
Redox Potential Eh (mV)	512		
Turbidity (NTU)	6.2		

Time	1240	Gal. Purged	73.78
Conductance	3318	pH	5.99
Temp. °C	14.01		
Redox Potential Eh (mV)	505		
Turbidity (NTU)	6.1		

Volume of Water Purged: 73.78 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 332.51

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs: GEL, 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: 80.55 Sample Time: 1240

See instruction

Comment

Arrived on site at 0645. Garrin present for purge and sampling event. Purge began at 0700. Purged well for a total of 340 minutes. Purge ended and samples were collected at water was clear. Left site at 1300.

MW-32 02-03-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2016

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_02102016

Date and Time for Purging: 2/10/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-01

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.68

Casing Volume (V) 4" Well: 7.71 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1132	Gal. Purged	15.62
Conductance	4203	pH	6.88
Temp. °C	14.13		
Redox Potential Eh (mV)	509		
Turbidity (NTU)	0		

Time	1133	Gal. Purged	15.84
Conductance	4210	pH	6.76
Temp. °C	14.12		
Redox Potential Eh (mV)	511		
Turbidity (NTU)	0		

Time	1134	Gal. Purged	16.05
Conductance	4211	pH	6.75
Temp. °C	14.09		
Redox Potential Eh (mV)	513		
Turbidity (NTU)	0		

Time	1135	Gal. Purged	16.27
Conductance	4203	pH	6.70
Temp. °C	14.06		
Redox Potential Eh (mV)	514		
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 = 71.13

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

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

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

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

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

Final Depth: 113.87 Sample Time: 1135

See instruction

Comment

Arrived on site at 1017. Tanner and Garrin present for purge and sampling event.
Purge began at 1020. Purged well for a total of 75 minutes
Purge ended and samples collected at 1135. Water was clear
Left site at 1146

MW-35 02-10-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2016

Location (well name): MW-36

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-36_02112016

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

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-29

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: 110.60

Casing Volume (V) 4" Well: 7.18 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

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

Time	0722	Gal. Purged	14.53
Conductance	4986	pH	7.09
Temp. °C	13.87		
Redox Potential Eh (mV)	530		
Turbidity (NTU)	0		

Time	0723	Gal. Purged	14.75
Conductance	4984	pH	7.05
Temp. °C	13.80		
Redox Potential Eh (mV)	532		
Turbidity (NTU)	0		

Time	0724	Gal. Purged	14.97
Conductance	4999	pH	7.04
Temp. °C	13.78		
Redox Potential Eh (mV)	533		
Turbidity (NTU)	0		

Time	0725	Gal. Purged	15.19
Conductance	4996	pH	7.02
Temp. °C	13.75		
Redox Potential Eh (mV)	534		
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 = 66.20

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs: AWAL 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: 112.31

Sample Time: 0725

See instruction

Comment

Arrived on site at 0610. Tanner and Garrin present for purge and sampling event.
Purge began at 0615. Purged ~~began~~ at for a total of 70 minutes
Purge ended and samples collected at 0725. Water was clear
Left site at 0741

MW-36 02-11-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1st Quarter Ground Water 2016

Location (well name): MW-37

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-37_03222016

Date and Time for Purging: 2/17/2016 and Sampling (if different): 3/22/2016

Well Purging Equip Used: ☒ pump or ☒ bailer

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

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-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: 106.80

Casing Volume (V) 4" Well: 9.79 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1007	Gal. Purged	5
Conductance	4469	pH	5.89
Temp. °C	12.79		
Redox Potential Eh (mV)	500		
Turbidity (NTU)	15.0		

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

Time	1019 1019	Gal. Purged	0
Conductance	4336	pH	6.23
Temp. °C	14.01		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	1023	Gal. Purged	8
Conductance	4389	pH	6.25
Temp. °C	14.04		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 14 gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two): 1.92

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

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: 121.48 Sample Time: 1020

See instruction

Comment

Arrived on site at 0955. Tanner and Garrin present for purge. Bailing began at 1000 ~~Baile Bailing began at~~ Bailed 5 Gallons into a bucket and took parameters out of Bucket. Bailed a total of 14 Gallons. bailed well dry. Water started clear. Left site at 1030 Arrived on site at 1017. Tanner and Garrin present to collect samples. Depth to water was 108.78. Samples were bailed at 1020. Left site at 1025

MW-37 02-17-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1ST Quarter Ground Water 2016

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: MW-65_02112016

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

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-29

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: 110.60

Casing Volume (V) 4" Well: 7.18 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

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 [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 = [66.20]

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs [AWAL 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 [112.31] Sample Time [0725]

See instruction

Comment

Duplicate of MW-36

MW-65 02-11-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 1st Quarter Ground Water 2016

Location (well name): ~~MW-65~~ MW-70

Sampler Name and initials: Tanner Holliday / TH

Field Sample ID: MW-70_02152016

Date and Time for Purging: 2/15/2016 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-31

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging: 103.15

Casing Volume (V) 4" Well: 16.68 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

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)			

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Volume of Water Purged [33.63] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [153.77]

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

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

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

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

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

Final Depth [104.12] Sample Time [1345]

See instruction

Comment

Duplicate of MW-14.

[ ] Do not touch this cell (SheetName)

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Tab C

Field Data Worksheets Accelerated Monitoring

Tab C1

Field Data Worksheets Accelerated Monitoring

January 2016

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

See instruction

Description of Sampling Event: January Monthly Groundwater 2016

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_01202016

Date and Time for Purging: 1/20/2016 and Sampling (if different): N/A

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

Purging Method Used: ☒ 2 casings ☐ 3 casings

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

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

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

Depth to Water Before Purging: 86.05 Casing Volume (V) 4" Well: 28.69 (.653h)
3" Well: 0 (.367h)

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

Time	1137	Gal. Purged	57.93
Conductance	3021	pH	6.56
Temp. °C	14.12		
Redox Potential Eh (mV)	502		
Turbidity (NTU)	0.5		

Time	1138	Gal. Purged	58.15
Conductance	3019	pH	6.66
Temp. °C	14.15		
Redox Potential Eh (mV)	495		
Turbidity (NTU)	0.5		

Time	1139	Gal. Purged	58.37
Conductance	3020	pH	6.69
Temp. °C	14.16		
Redox Potential Eh (mV)	492		
Turbidity (NTU)	0.5		

Time	1140	Gal. Purged	58.59
Conductance	3020	pH	6.73
Temp. °C	14.15		
Redox Potential Eh (mV)	485		
Turbidity (NTU)	0.5		

Volume of Water Purged: 58.59 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 264.51

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

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

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

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

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

Final Depth: 86.20 Sample Time: 1140

See instruction

Comment

Arrived on site at 0706. Tanner and Garrin present for purge and sampling event.
Purge began at 0710. Purged well for a total of 270 minutes
Purge ended and samples collected at 1140. Water was clear
Left Site at 1143

MW-11 01-20-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: January Monthly Groundwater 2016

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-14_01192016

Date and Time for Purging: 1/19/2016 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-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: 103.20

Casing Volume (V) 4" Well: 16.65 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1532	Gal. Purged	32.98
Conductance	3943	pH	6.21
Temp. °C	13.85		
Redox Potential Eh (mV)	505		
Turbidity (NTU)	0		

Time	1533	Gal. Purged	33.20
Conductance	3950	pH	6.23
Temp. °C	13.83		
Redox Potential Eh (mV)	504		
Turbidity (NTU)	0		

Time	1534	Gal. Purged	33.41
Conductance	3955	pH	6.25
Temp. °C	13.84		
Redox Potential Eh (mV)	504		
Turbidity (NTU)	0		

Time	1535	Gal. Purged	33.63
Conductance	3961	pH	6.27
Temp. °C	13.85		
Redox Potential Eh (mV)	504		
Turbidity (NTU)	0		

Volume of Water Purged: 33.63 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 153.47

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: 103.99 Sample Time: 1535

See instruction

Comment

Arrived on site at 1255. Tanner and garrin present for purge. Purge began at 1300. Purged well for a total of 155 minutes. Purge ended at 1535. Water was clear. Left site at 1537

MW-14 01-19-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: January Monthly Groundwater 2016

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_01192016

Date and Time for Purging: 1/19/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-31

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 76.70

Casing Volume (V) 4" Well: 25.00 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1232	Gal. Purged	51.42
Conductance	3094	pH	6.16
Temp. °C	15.87		
Redox Potential Eh (mV)	552		
Turbidity (NTU)	2.5		

Time	1233	Gal. Purged	51.64
Conductance	3086	pH	6.16
Temp. °C	15.89		
Redox Potential Eh (mV)	548		
Turbidity (NTU)	2.6		

Time	1234	Gal. Purged	1234 51.86
Conductance	3070	pH	6.17
Temp. °C	15.93		
Redox Potential Eh (mV)	546		
Turbidity (NTU)	2.5		

Time	1235	Gal. Purged	1235 52.08
Conductance	3061	pH	6.18
Temp. °C	15.95		
Redox Potential Eh (mV)	544		
Turbidity (NTU)	2.5		

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 = 230.50

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

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

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

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

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

Final Depth: 78.60 Sample Time: 1235

See instruction

Comment

Arrived on site at 0831. Tanner and Garrin present for purge and sampling event. Purge began at ~~06~~ 0835. Purged well for a total of 240 minutes. Purge ended and samples collected at 1235. Water was clear Left site at 1239

MW-25 01-19-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: January Monthly Ground Water 2016

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_01202016

Date and Time for Purging: 1/20/2016 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): Continuous

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): 121.33

Depth to Water Before Purging: 64.95

Casing Volume (V) 4" Well: 36.81 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	~~13~~ 1244	Gal. Purged	0
Conductance	3515	pH	6.27
Temp. °C	14.80		
Redox Potential Eh (mV)	474		
Turbidity (NTU)	0.5		

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)			

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 9.20

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

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

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

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

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

Final Depth: 101.47 Sample Time: 1245

See instruction

Comment

Arrived on site at 1240. Tanner and Garrin present to collect samples. Samples collected at 1245. Water was clear. Left site at 1250.

Continuous Pumping Well

MW-26 01-20-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: January Monthly Groundwater 2016

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_01202016

Date and Time for Purging: 1/20/2016 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-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: 75.38

Casing Volume (V) 4" Well: 22.60 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Foggy

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

Time	1027	Gal. Purged	44.91
Conductance	2090	pH	6.40
Temp. °C	14.17		
Redox Potential Eh (mV)	534		
Turbidity (NTU)	0.3		

Time	1028	Gal. Purged	45.13
Conductance	2091	pH	6.43
Temp. °C	14.16		
Redox Potential Eh (mV)	532		
Turbidity (NTU)	0.3		

Time	1029	Gal. Purged	45.35
Conductance	2092	pH	6.44
Temp. °C	14.15		
Redox Potential Eh (mV)	530		
Turbidity (NTU)	0.3		

Time	1030	Gal. Purged	45.57
Conductance	2093	pH	6.45
Temp. °C	14.14		
Redox Potential Eh (mV)	529		
Turbidity (NTU)	0.3		

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 = 208.35

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

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

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

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

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

Final Depth: 77.96 Sample Time: 1030

See instruction

Comment

Arrived on site at 0654. Tanner and Garrin present for purge and sampling event.
Purge began at 0700. Purged well for a total of 210 minutes,
Purge ended and samples collected at 1030. Water was clear.
Left site at 1040

MW-30 01-20-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: January Monthly GroundWater 2016

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_01192016

Date and Time for Purging: 1/19/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: 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: 68.42

Casing Volume (V) 4" Well: 40.21 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1357	Gal. Purged	81.80
Conductance	2293	pH	7.00
Temp. °C	14.20		
Redox Potential Eh (mV)	458		
Turbidity (NTU)	1.8		

Time	1358	Gal. Purged	82.02
Conductance	2298	pH	7.00
Temp. °C	14.35		
Redox Potential Eh (mV)	458		
Turbidity (NTU)	2.0		

Time	1359	Gal. Purged	82.24
Conductance	2281	pH	7.03
Temp. °C	14.40		
Redox Potential Eh (mV)	456		
Turbidity (NTU)	2.0		

Time	1400	Gal. Purged	82.46
Conductance	2299	pH	7.04
Temp. °C	14.45		
Redox Potential Eh (mV)	455		
Turbidity (NTU)	2.0		

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 = 370.61

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: 69.35 Sample Time: 1400

See instruction

Comment

Arrived on site at 0635. 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 01-19-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: January Monthly Groundwater 2016

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_01192016

Date and Time for Purging: 1/19/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-14

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.44

Casing Volume (V) 4" Well: 7.87 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1557	Gal. Purged	15.62
Conductance	4451	pH	6.31
Temp. °C	11.43		
Redox Potential Eh (mV)	476		
Turbidity (NTU)	0		

Time	1558	Gal. Purged	15.84
Conductance	4449	pH	6.33
Temp. °C	11.48		
Redox Potential Eh (mV)	474		
Turbidity (NTU)	0		

Time	1559	Gal. Purged	16.05
Conductance	4426	pH	6.34
Temp. °C	11.51		
Redox Potential Eh (mV)	474		
Turbidity (NTU)	6		

Time	1600	Gal. Purged	16.27
Conductance	4428	pH	6.35
Temp. °C	11.53		
Redox Potential Eh (mV)	472		
Turbidity (NTU)	0		

Volume of Water Purged: 16.27 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 72.58

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: 113.10

Sample Time: 1600

See instruction

Comment

Arrived on site at 1440. Tanner and Garrin present for purge and sampling event.
Purge began at 1445. Purged well for a total of 75 minutes.
Purge ended and samples collected at 1600. Water was clear.
Left site at 1607

MW-35 01-19-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: January Monthly Groundwater 2016

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_01202016

Date and Time for Purging: 1/20/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☑ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☑ 2 casings ☐ 3 casings

Sampling Event: 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: 75.38

Casing Volume (V) 4" Well: 22.60 (.653h)
3" Well: 6 (.367h)

Weather Cond.: Foggy

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: 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 = 208.35

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

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

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

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

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

Final Depth: 77.96 Sample Time: 1030

See instruction

Comment

Duplicate of MW-30

MW-65 01-20-2016 Do not touch this cell (SheetName)

Tab C2

Field Data Worksheets Accelerated Monitoring

March 2016

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

See instruction

Description of Sampling Event: March monthly Groundwater 2016

Location (well name): MW-11

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-11_03032016

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

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-35

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 130

Depth to Water Before Purging: 86.12

Casing Volume (V) 4" Well: 28.65 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear Skies

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

Time	1047	Gal. Purged	59.89
Conductance	2925	pH	7.50
Temp. °C	14.67		
Redox Potential Eh (mV)	376		
Turbidity (NTU)	0		

Time	1048	Gal. Purged	60.32
Conductance	2921	pH	7.49
Temp. °C	14.70		
Redox Potential Eh (mV)	375		
Turbidity (NTU)	0		

Time	1049	Gal. Purged	60.54
Conductance	2926	pH	7.47
Temp. °C	14.66		
Redox Potential Eh (mV)	371		
Turbidity (NTU)	0		

Time	1050	Gal. Purged	60.76
Conductance	2921	pH	7.46
Temp. °C	14.64		
Redox Potential Eh (mV)	369		
Turbidity (NTU)	0		

Volume of Water Purged: 60.76 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 264.08

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
OCs	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
utrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
eavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
ll Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
ross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
ther (specify)	☐	☐	Sample volume	☐	☐		☐	☐

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

Final Depth: 86.42 Sample Time: 1050

See instruction

Comment

Arrived on site at 0603. Garrin present for purge and sampling. Purge began at 0610. Purged well for 280 minutes. Water was clear. Purge ended and samples were collected at 1050. Left site at 1059.

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

See instruction

Description of Sampling Event: March monthly Groundwater 2016

Location (well name): MW-14

Sampler Name and initials: Garrin Palmer

Field Sample ID: MW-14_03032016

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

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): 128.7

Depth to Water Before Purging: 103.10

Casing Volume (V) 4" Well: 16.71 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear Skies

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

Time	0927	Gal. Purged	38.40		
Conductance	3610	pH	6.72		
Temp. °C	17.42				
Redox Potential Eh (mV)	410				
Turbidity (NTU)	0				

Time	0928	Gal. Purged	38.62		
Conductance	3636	pH	6.68		
Temp. °C	17.50				
Redox Potential Eh (mV)	413				
Turbidity (NTU)	0				

Time	0929	Gal. Purged	38.34		
Conductance	3634	pH	6.67		
Temp. °C	17.38				
Redox Potential Eh (mV)	417				
Turbidity (NTU)	0				

Time	0930	Gal. Purged	39.06		
Conductance	3633	pH	6.66		
Temp. °C	17.44				
Redox Potential Eh (mV)	418				
Turbidity (NTU)	0				

Volume of Water Purged: 39.06 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 154.07

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: NA

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: 103.60 Sample Time: 0930

See instruction

Comment

Arrived on site at 0622. Garrin present for purge and sampling. Purge began at 0630. Purged well for 180 minutes. Water was clear. Purge ended and samples were collected at 0930. Left site at 0939.

Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: March Monthly Groundwater 2016

Location (well name): MW-25

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-25_03022016

Date and Time for Purging: 3/2/16 and Sampling (if different): NA

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

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: monthly GW Prev. Well Sampled in Sampling Event: NA

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm Well Depth(0.01ft): ~~76.75~~ 115.00

Depth to Water Before Purging: 76.75 Casing Volume (V) 4" Well: 24.97 (.653h)
3" Well: 0 (.367h)

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

Time	1007	Gal. Purged	51.21		
Conductance	3190	pH	6.60		
Temp. °C	15.60				
Redox Potential Eh (mV)	300				
Turbidity (NTU)	1.4				

Time	1008	Gal. Purged	51.64		
Conductance	3197	pH	6.58		
Temp. °C	15.20				
Redox Potential Eh (mV)	299				
Turbidity (NTU)	1.9				

Time	1009	Gal. Purged	51.86		
Conductance	3194	pH	6.59		
Temp. °C	15.17				
Redox Potential Eh (mV)	300				
Turbidity (NTU)	1.9				

Time	1010	Gal. Purged	52.08		
Conductance	3199	pH	6.57		
Temp. °C	15.12				
Redox Potential Eh (mV)	300				
Turbidity (NTU)	1.9				

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 = | 230.20 |

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

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

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
OCs	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
itrients	☐	☐	100 ml	☐	☐	H2SO4	☐	☐
eavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
l Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
ross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
ther (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

inal Depth | 78.50 | Sample Time | 1010 |

See instruction

Comment

Arrived on site at 0602. Garrin present for purge and sampling event. Purge began at 0610. Purged well for 240 minutes Water was clear during purge. Purge ended and Samples were collected at 1010. Left site at 1020.

Do not touch this cell (SheetName)

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

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

See instruction

Description of Sampling Event: March Monthly Groundwater 2016

Location (well name): MW-26

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-26_03022016

Date and Time for Purging: 3/2/2016 and Sampling (if different): NA

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

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): 121.33

Depth to Water Before Purging: 66.02

Casing Volume (V) 4" Well: 36.11 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	0945	Gal. Purged	0
Conductance	3528	pH	6.35
Temp. °C	16.24		
Redox Potential Eh (mV)	375		
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 = [3.0]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [9.02]

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

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

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

Type of Sample	Sample Taken		Sample Vol (indicate if other than as specified below)	Filtered		Preservative Type	Preservative Added	
	Y	N		Y	N		Y	N
)Cs	☒	☐	3x40 ml	☐	☒	HCL	☒	☐
trients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
avy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
l Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
oss Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
her (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

inal Depth [104.68] Sample Time [0945]

See instruction

Comment

Arrived on site at 0930. Garrin present to collect samples.

Samples were collected at 0945. Water was clear. Left site at 0954.

Continuous Pumping Well

[ ] Do not touch this cell (SheetName)

capturx COMPATIBLE WITH Avata FUNCTIONALITY

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

See instruction

Description of Sampling Event: March Monthly Groundwater 2016

Location (well name): MW-30

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-30_03022016

Date and Time for Purging: 3/2/16 and Sampling (if different): NA

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-26

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: 75.32 Casing Volume (V) 4" Well: 22.64 (.653h)
3" Well: 0 (.367h)

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

Time	1407	Gal. Purged	47.08		
Conductance	2042	pH	6.54		
Temp. °C	14.47				
Redox Potential Eh (mV)	344				
Turbidity (NTU)	0.2				

Time	1408	Gal. Purged	47.30		
Conductance	2046	pH	6.50		
Temp. °C	14.40				
Redox Potential Eh (mV)	342				
Turbidity (NTU)	0.2				

Time	1409	Gal. Purged	47.52		
Conductance	2044	pH	6.52		
Temp. °C	14.42				
Redox Potential Eh (mV)	341				
Turbidity (NTU)	0.2				

Time	1410	Gal. Purged	47.74		
Conductance	2048	pH	6.51		
Temp. °C	14.48				
Redox Potential Eh (mV)	339				
Turbidity (NTU)	0.2				

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

Volume of Water Purged [47.74] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [208.71]

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
OCs	☐	☐	3x40 ml	☐	☐	HCL	☐	☐
utrients	☒	☐	100 ml	☐	☒	H2SO4	☒	☐
eavy Metals	☒	☐	250 ml	☒	☐	HNO3	☒	☐
ll Other Non Radiologics	☐	☐	250 ml	☐	☐	No Preserv.	☐	☐
ross Alpha	☐	☐	1,000 ml	☐	☐	HNO3	☐	☐
ther (specify)	☒	☐	Sample volume	☐	☒		☐	☒
Chloride								

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

Final Depth [77.90] Sample Time [1410]

See instruction

Comment

Arrived on site at 1023. Garrin present for purge and sampling event. Purge began at 1030. Purged well for 220 minutes. water was clear. Samples were collected at 1410. Left site at 1422.

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capturx COMPATIBLE WITH Aroto FUNCTIONALITY

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

See instruction

Description of Sampling Event: March monthly Groundwater 2016

Location (well name): MW-31

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-31_03022016

Date and Time for Purging: 3/2/2016 and Sampling (if different): NA

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-25

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

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

Depth to Water Before Purging: 68.36 Casing Volume (V) 4" Well: 40.25 (.653h)
3" Well: 0 (.367h)

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

Time	1237	Gal. Purged	81.80		
Conductance	2068	pH	6.88		
Temp. °C	15.51				
Redox Potential Eh (mV)	382				
Turbidity (NTU)	1.0				

Time	1238	Gal. Purged	82.02		
Conductance	2054	pH	6.85		
Temp. °C	15.53				
Redox Potential Eh (mV)	385				
Turbidity (NTU)	1.0				

Time	1239	Gal. Purged	82.24		
Conductance	2065	pH	6.85		
Temp. °C	15.26				
Redox Potential Eh (mV)	386				
Turbidity (NTU)	1.0				

Time	1240	Gal. Purged	82.46		
Conductance	2068	pH	6.83		
Temp. °C	15.22				
Redox Potential Eh (mV)	387				
Turbidity (NTU)	1.0				

capturx COMPATIBLE WITH Acrobat FUNCTIONA

Volume of Water Purged: 82.46 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 370.47

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: AWAL

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

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

Final Depth: 70.10 Sample Time: 1240

See instruction

Comment

Arrived on site at 0612. Garrin present for purge and sampling event. Purge began at 0620. Purged well for 380 minutes. Water was clear during purge. Purge ended and samples were collected at 1240. Left site at 1251.

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capturx COMPATIBLE WITH Accela FUNCTIONALITY

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

See instruction

Description of Sampling Event: March monthly Groundwater 2016

Location (well name): MW-35

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-35_03022016

Date and Time for Purging: 3/2/16 and Sampling (if different): NA

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): 124.50

Depth to Water Before Purging: 112.25 Casing Volume (V) 4" Well: 7.99 (.653h)
3" Well: 0 (.367h)

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

Time	1442	Gal. Purged	18.87		
Conductance	4180	pH	6.62		
Temp. °C	15.11				
Redox Potential Eh (mV)	309				
Turbidity (NTU)	0				

Time	1443	Gal. Purged	19.09		
Conductance	4175	pH	6.55		
Temp. °C	15.39				
Redox Potential Eh (mV)	310				
Turbidity (NTU)	0				

Time	1444	Gal. Purged	19.31		
Conductance	4172	pH	6.54		
Temp. °C	15.20				
Redox Potential Eh (mV)	310				
Turbidity (NTU)	0				

Time	1445	Gal. Purged	19.53		
Conductance	4169	pH	6.53		
Temp. °C	15.16				
Redox Potential Eh (mV)	310				
Turbidity (NTU)	0				

Volume of Water Purged: 19.53 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 73.72

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: 114.25 Sample Time: 1445

See instruction

Comment

Arrived 1310. Garrin Present for purge and Sampling event.
Purged well for a total of 90 minutes.
Purge was started at 1315. Water was clear. Purge ended and samples were collected at 1445. Left site at 1455.

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capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

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

See instruction

Description of Sampling Event: March monthly Groundwater 2016

Location (well name): MW-65

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-65_03022016

Date and Time for Purging: 3/2/16 and Sampling (if different): NA

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): 124.50

Depth to Water Before Purging: 112.25 Casing Volume (V) 4" Well: 7.99 (.653h)
3" Well: 0 (.367h)

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

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

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

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

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

Volume of Water Purged [19.53] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [73.72]

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 [114.25] Sample Time [1445]

See instruction

Comment

Duplicate of MW-35.

[ ] Do not touch this cell (SheetName)

Tab D

Quarterly Depth to Water

NAME: Garrin Palmer, Tanner Holliday

3/30/2016

TIME	WELL	DEPTH TO WATER (ft.)
1350	MW-1	64.00
1553	MW-2	109.50
923	MW-3	82.16
923	MW-3A	84.16
1549	MW-5	105.77
1606	MW-11	85.65
1547	MW-12	108.00
1527	MW-14	112.65
1530	MW-15	105.72
928	MW-17	71.55
1347	MW-18	71.70
1342	MW-19	61.46
817	MW-20	85.81
812	MW-22	66.31
1545	MW-23	113.78
1556	MW-24	112.75
1525	MW-25	76.51
740	MW-26	64.38
715	MW-27	53.85
1557	MW-28	74.95
1603	MW-29	100.42
1600	MW-30	74.97
1610	MW-31	68.05
1408	MW-32	77.00
1537	MW-33	DRY
1534	MW-34	107.59
1543	MW-35	112.11
1541	MW-36	110.30
1532	MW-37	108.64

TIME	WELL	DEPTH TO WATER (ft.)
754	MW-4	80.23
806	TW4-1	91.03
803	TW4-2	82.50
1511	TW4-3	56.61
808	TW4-4	73.11
1508	TW4-5	64.40
1516	TW4-6	72.02
1515	TW4-7	75.99
1513	TW4-8	79.40
1510	TW4-9	62.21
1507	TW4-10	61.60
759	TW4-11	92.18
1318	TW4-12	45.70
1316	TW4-13	51.55
1312	TW4-14	79.65
740	TW4-15	64.38
701	TW4-16	63.10
1408	TW4-17	77.00
733	TW4-18	65.23
822	TW4-19	65.01
806	TW4-20	63.66
734	TW4-21	67.54
810	TW4-22	58.72
710	TW4-23	69.08
808	TW4-24	64.14
736	TW4-25	65.49
1517	TW4-26	66.53
1302	TW4-27	79.35
1319	TW4-28	39.75
1310	TW4-29	73.50
1305	TW4-30	75.55
1304	TW4-31	79.26
1320	TW4-32	50.99
1301	TW4-33	72.40
1309	TW4-34	71.54
1307	TW4-35	73.86
1314	TW4-36	56.06
809	TW4-37	62.05

TIME	WELL	DEPTH TO WATER (ft.)
1339	PIEZ-1	64.89
1344	PIEZ-2	38.97
728	PIEZ-3	48.57
1522	PIEZ-4	58.45
1519	PIEZ-5	58.00
735	TWN-1	62.20
731	TWN-2	32.44
718	TWN-3	39.21
724	TWN-4	54.97
	TWN-5	Abandoned
1356	TWN-6	78.02
1352	TWN-7	85.07
	TWN-8	Abandoned
	TWN-9	Abandoned
	TWN-10	Abandoned
	TWN-11	Abandoned
	TWN-12	Abandoned
	TWN-13	Abandoned
1336	TWN-14	60.83
	TWN-15	Abandoned
1334	TWN-16	47.45
	TWN-17	Abandoned
721	TWN-18	60.07
936	TWN-19	52.95

TIME	WELL	DEPTH TO WATER (ft.)
NA	DR-1	Abandoned
NA	DR-2	Abandoned
823	DR-5	82.81
826	DR-6	94.11
1539	DR-7	91.94
835	DR-8	51.16
832	DR-9	86.22
830	DR-10	77.96
916	DR-11	97.95
918	DR-12	90.95
926	DR-13	69.55
845	DR-14	76.00
840	DR-15	92.56
NA	DR-16	Abandoned
848	DR-17	64.55
NA	DR-18	Abandoned
851	DR-19	62.92
904	DR-20	55.11
909	DR-21	100.74
855	DR-22	60.58
907	DR-23	70.22
858	DR-24	44.00
NA	DR-25	Abandoned

Tab E

Laboratory Analytical Reports – Quarterly Sampling

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-001
Client Sample ID: MW-01_02102016
Collection Date: 2/10/2016 1010h
Received Date: 2/12/2016 1020h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		2/15/2016 1751h	E300.0	10.0	**22.1**	
Sulfate	mg/L		2/15/2016 1627h	E300.0	100	**812**	

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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 2016
Lab Sample ID: 1602301-004
Client Sample ID: MW-03_02162016
Collection Date: 2/16/2016 1030h
Received Date: 2/18/2016 854h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/18/2016 1124h	2/18/2016 1740h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/18/2016 1124h	2/18/2016 1833h	E200.8	0.000500	**0.000694**	
Cadmium	mg/L	2/18/2016 1124h	2/18/2016 1740h	E200.8	0.000500	**0.00371**	
Calcium	mg/L	2/18/2016 1124h	2/24/2016 1232h	E200.7	20.0	**447**	2
Chromium	mg/L	2/18/2016 1124h	2/18/2016 1740h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/18/2016 1124h	2/18/2016 1740h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/18/2016 1124h	2/18/2016 1740h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/18/2016 1124h	2/18/2016 1833h	E200.8	0.0300	< 0.0300	
Lead	mg/L	2/18/2016 1124h	2/18/2016 1833h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/18/2016 1124h	2/24/2016 1232h	E200.7	20.0	**251**	2
Manganese	mg/L	2/18/2016 1124h	2/18/2016 1740h	E200.8	0.0100	**2.82**	2
Mercury	mg/L	2/18/2016 1615h	2/19/2016 1054h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/18/2016 1124h	2/18/2016 1740h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/18/2016 1124h	2/18/2016 1740h	E200.8	0.0200	**0.0769**	
Potassium	mg/L	2/18/2016 1124h	2/24/2016 1325h	E200.7	1.00	**24.1**	
Selenium	mg/L	2/18/2016 1124h	2/18/2016 1740h	E200.8	0.00500	< 0.00500	
Silver	mg/L	2/18/2016 1124h	2/18/2016 1740h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/18/2016 1124h	2/24/2016 1222h	E200.7	50.0	**741**	2
Thallium	mg/L	2/18/2016 1124h	2/18/2016 1833h	E200.8	0.000500	**0.00146**	
Tin	mg/L	2/18/2016 1124h	2/18/2016 1740h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/18/2016 1124h	2/18/2016 1907h	E200.8	0.000300	**0.0171**	
Vanadium	mg/L	2/18/2016 1124h	2/24/2016 1325h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/18/2016 1124h	2/19/2016 805h	E200.8	0.0250	**4.21**	

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

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 2016
Lab Sample ID: 1602301-004
Client Sample ID: MW-03_02162016
Collection Date: 2/16/2016 1030h
Received Date: 2/18/2016 854h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/23/2016 1250h	2/23/2016 1604h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		2/19/2016 651h	SM2320B	1.00	**207**	
Carbonate (as CaCO3)	mg/L		2/19/2016 651h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/18/2016 1918h	E300.0	10.0	**66.9**	
Fluoride	mg/L		2/18/2016 2133h	E300.0	0.100	**1.33**	
Ion Balance	%		3/1/2016 1402h	Calc.	-100	**1.68**	
Nitrate/Nitrite (as N)	mg/L		2/19/2016 1232h	E353.2	0.100	< 0.100	
Sulfate	mg/L		2/18/2016 1458h	E300.0	1,000	**3,230**	
Total Anions, Measured	meq/L		3/1/2016 1402h	Calc.		**73.3**	
Total Cations, Measured	meq/L		3/1/2016 1402h	Calc.		**75.8**	
Total Dissolved Solids	mg/L		2/18/2016 1306h	SM2540C	20.0	**5,440**	
Total Dissolved Solids Ratio, Measured/Calculated			3/1/2016 1402h	Calc.		**1.11**	
Total Dissolved Solids, Calculated	mg/L		3/1/2016 1402h	Calc.		**4,890**	

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QA Officer

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Kyle F. Gross
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Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-004E
Client Sample ID: MW-03_02162016
Collection Date: 2/16/2016 1030h
Received Date: 2/18/2016 854h

Test Code: 8260-W-DEN100

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

Analyzed: 2/18/2016 1128h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	**11.6**	
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	51.4	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.8	50.00	104	80-124	
Surr: Toluene-d8	2037-26-5	49.8	50.00	99.7	77-129	

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

Certificate of Analysis

Report Date: March 19, 2016

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-03_02162016	Project:	DNMI00100
Sample ID:	392120001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	16-FEB-16 10:30		
Receive Date:	26-FEB-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.287	0.987	1.00	pCi/L		AXM6	03/17/16	1628	1550193	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			96.9	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-001
Client Sample ID: MW-03A_02162016
Collection Date: 2/16/2016 800h
Received Date: 2/18/2016 854h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	2/18/2016 1124h	2/18/2016 1737h	E200.8	0.00500	**0.0915**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-001
Client Sample ID: MW-03A_02162016
Collection Date: 2/16/2016 800h
Received Date: 2/18/2016 854h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Nitrate/Nitrite (as N)	mg/L		2/19/2016 1229h	E353.2	0.100	**0.951**	
Sulfate	mg/L		2/18/2016 1351h	E300.0	1,000	**3,580**	
Total Dissolved Solids	mg/L		2/19/2016 1220h	SM2540C	20.0	**5,560**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-002
Client Sample ID: MW-05_02152016
Collection Date: 2/15/2016 1055h
Received Date: 2/18/2016 854h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	2/18/2016 1124h	2/18/2016 1901h	E200.8	0.000300	**0.00115**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-006
Client Sample ID: MW-11_02082016
Collection Date: 2/8/2016 1345h
Received Date: 2/12/2016 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/15/2016 1253h	2/16/2016 1758h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/15/2016 1253h	2/16/2016 1929h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/15/2016 1253h	2/16/2016 1758h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	2/15/2016 1253h	2/23/2016 1709h	E200.7	20.0	**100**	2
Chromium	mg/L	2/15/2016 1253h	2/16/2016 1758h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/15/2016 1253h	2/16/2016 1758h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/15/2016 1253h	2/16/2016 1758h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/15/2016 1253h	2/17/2016 1600h	E200.8	0.0300	**0.0694**	
Lead	mg/L	2/15/2016 1253h	2/16/2016 1929h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/15/2016 1253h	2/23/2016 1709h	E200.7	20.0	**31.8**	
Manganese	mg/L	2/15/2016 1253h	2/16/2016 1758h	E200.8	0.0100	**0.217**	
Mercury	mg/L	2/15/2016 1715h	2/18/2016 1138h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/15/2016 1253h	2/17/2016 1128h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/15/2016 1253h	2/16/2016 1758h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/15/2016 1253h	2/23/2016 1832h	E200.7	1.00	**7.02**	
Selenium	mg/L	2/15/2016 1253h	2/16/2016 1758h	E200.8	0.00500	< 0.00500	
Silver	mg/L	2/15/2016 1253h	2/16/2016 1758h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/15/2016 1253h	2/23/2016 1805h	E200.7	40.0	**582**	2
Thallium	mg/L	2/15/2016 1253h	2/16/2016 1929h	E200.8	0.000500	< 0.000500	
Tin	mg/L	2/15/2016 1253h	2/16/2016 1758h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/15/2016 1253h	2/16/2016 2001h	E200.8	0.000300	**0.00116**	
Vanadium	mg/L	2/15/2016 1253h	2/23/2016 1832h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/15/2016 1253h	2/16/2016 1758h	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 Groundwater 2016
Lab Sample ID: 1602215-006
Client Sample ID: MW-11_02082016
Collection Date: 2/8/2016 1345h
Received Date: 2/12/2016 1020h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/16/2016 1400h	2/16/2016 1727h	E350.1	0.0500	**1.13**	'
Bicarbonate (as CaCO3)	mg/L		2/16/2016 808h	SM2320B	1.00	**320**	
Carbonate (as CaCO3)	mg/L		2/16/2016 808h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/15/2016 1808h	E300.0	10.0	**34.0**	
Fluoride	mg/L		2/15/2016 2023h	E300.0	0.100	**0.440**	
Ion Balance	%		2/24/2016 1547h	Calc.	-100	**2.50**	
Nitrate/Nitrite (as N)	mg/L		2/12/2016 1628h	E353.2	0.100	< 0.100	
Sulfate	mg/L		2/15/2016 1305h	E300.0	1,000	**1,160**	
Total Anions, Measured	meq/L		2/24/2016 1547h	Calc.		**31.5**	
Total Cations, Measured	meq/L		2/24/2016 1547h	Calc.		**33.1**	
Total Dissolved Solids	mg/L		2/12/2016 1300h	SM2540C	20.0	**2,090**	
Total Dissolved Solids Ratio, Measured/Calculated			2/24/2016 1547h	Calc.		**0.994**	
Total Dissolved Solids, Calculated	mg/L		2/24/2016 1547h	Calc.		**2,100**	

' - 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 2016
Lab Sample ID: 1602215-006E
Client Sample ID: MW-11_02082016
Collection Date: 2/8/2016 1345h
Received Date: 2/12/2016 1020h

Test Code: 8260-W-DEN100

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

Analyzed: 2/12/2016 1300h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.6	50.00	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.9	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.2	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	49.3	50.00	98.5	77-129	

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

Certificate of Analysis

Report Date: March 10, 2016

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-11_02082016	Project:	DNMI00100
Sample ID:	391359008	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	08-FEB-16 13:45		
Receive Date:	12-FEB-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.146	0.481	1.00	pCi/L		AXM6	03/09/16	1750	1547069	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"			99.8	(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.

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602107-001
Client Sample ID: MW-12_02042016
Collection Date: 2/4/2016 1010h
Received Date: 2/5/2016 1000h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	2/8/2016 1410h	2/9/2016 1918h	E200.8	0.00500	**0.0238**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-005
Client Sample ID: MW-14_02152016
Collection Date: 2/15/2016 1345h
Received Date: 2/18/2016 854h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/18/2016 1124h	2/18/2016 1755h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/18/2016 1124h	2/18/2016 1836h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/18/2016 1124h	2/18/2016 1755h	E200.8	0.000500	**0.00131**	
Calcium	mg/L	2/18/2016 1124h	2/24/2016 1247h	E200.7	20.0	**526**	
Chromium	mg/L	2/18/2016 1124h	2/18/2016 1755h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/18/2016 1124h	2/18/2016 1755h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/18/2016 1124h	2/18/2016 1755h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/18/2016 1124h	2/18/2016 1836h	E200.8	0.0300	< 0.0300	
Lead	mg/L	2/18/2016 1124h	2/18/2016 1836h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/18/2016 1124h	2/24/2016 1254h	E200.7	10.0	**154**	
Manganese	mg/L	2/18/2016 1124h	2/18/2016 1755h	E200.8	0.0100	**1.91**	
Mercury	mg/L	2/18/2016 1615h	2/19/2016 1100h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/18/2016 1124h	2/18/2016 1755h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/18/2016 1124h	2/18/2016 1755h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/18/2016 1124h	2/24/2016 1333h	E200.7	1.00	**11.2**	
Selenium	mg/L	2/18/2016 1124h	2/18/2016 1755h	E200.8	0.00500	< 0.00500	
Silver	mg/L	2/18/2016 1124h	2/18/2016 1755h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/18/2016 1124h	2/24/2016 1247h	E200.7	20.0	**326**	
Thallium	mg/L	2/18/2016 1124h	2/18/2016 1836h	E200.8	0.000500	< 0.000500	
Tin	mg/L	2/18/2016 1124h	2/18/2016 1755h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/18/2016 1124h	2/18/2016 1911h	E200.8	0.000300	**0.0562**	
Vanadium	mg/L	2/18/2016 1124h	2/24/2016 1333h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/18/2016 1124h	2/18/2016 1755h	E200.8	0.0100	**0.0124**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-005
Client Sample ID: MW-14_02152016
Collection Date: 2/15/2016 1345h
Received Date: 2/18/2016 854h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/23/2016 1250h	2/23/2016 1606h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		2/19/2016 651h	SM2320B	1.00	**381**	
Carbonate (as CaCO3)	mg/L		2/19/2016 651h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/18/2016 1935h	E300.0	10.0	**20.6**	
Fluoride	mg/L		2/18/2016 2150h	E300.0	0.100	**0.134**	
Ion Balance	%		3/1/2016 1402h	Calc.	-100	**-1.04**	
Nitrate/Nitrite (as N)	mg/L		2/19/2016 1233h	E353.2	0.100	< 0.100	
Sulfate	mg/L		2/18/2016 1515h	E300.0	1,000	**2,220**	
Total Anions, Measured	meq/L		3/1/2016 1402h	Calc.		**54.5**	
Total Cations, Measured	meq/L		3/1/2016 1402h	Calc.		**53.4**	
Total Dissolved Solids	mg/L		2/19/2016 1220h	SM2540C	20.0	**3,520**	
Total Dissolved Solids Ratio, Measured/Calculated			3/1/2016 1402h	Calc.		**1.01**	
Total Dissolved Solids, Calculated	mg/L		3/1/2016 1402h	Calc.		**3,490**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-005E
Client Sample ID: MW-14_02152016
Collection Date: 2/15/2016 1345h
Received Date: 2/18/2016 854h

Test Code: 8260-W-DEN100

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

Analyzed: 2/18/2016 1148h
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	57.1	50.00	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.5	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	54.1	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	49.5	50.00	99.0	77-129	

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

Certificate of Analysis

Report Date: March 19, 2016

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-14_02152016	Project:	DNMI00100
Sample ID:	392120002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	15-FEB-16 13:45		
Receive Date:	26-FEB-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.237	0.936	1.00	pCi/L		AXM6	03/17/16	1628	1550193	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			94.3	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-002
Client Sample ID: MW-15_02042016
Collection Date: 2/4/2016 1035h
Received Date: 2/12/2016 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	2/15/2016 1253h	2/16/2016 1755h	E200.8	0.00500	**0.123**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-003
Client Sample ID: MW-18_02092016
Collection Date: 2/9/2016 1330h
Received Date: 2/12/2016 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Thallium	mg/L	2/15/2016 1253h	2/16/2016 1926h	E200.8	0.000500	**0.00267**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-003
Client Sample ID: MW-18_02092016
Collection Date: 2/9/2016 1330h
Received Date: 2/12/2016 1020h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Sulfate	mg/L		2/15/2016 1231h	E300.0	1,000	**1,890**	
Total Dissolved Solids	mg/L		2/12/2016 1300h	SM2540C	20.0	**3,130**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-004
Client Sample ID: MW-19_02092016
Collection Date: 2/9/2016 1540h
Received Date: 2/12/2016 1020h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Nitrate/Nitrite (as N)	mg/L		2/12/2016 1627h	E353.2	0.100	**2.44**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-003
Client Sample ID: MW-24_02172016
Collection Date: 2/17/2016 715h
Received Date: 2/18/2016 854h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	2/18/2016 1124h	2/19/2016 801h	E200.8	0.000500	**0.00631**	
Thallium	mg/L	2/18/2016 1124h	2/18/2016 1830h	E200.8	0.000500	**0.00204**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-003
Client Sample ID: MW-24_02172016
Collection Date: 2/17/2016 715h
Received Date: 2/18/2016 854h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Fluoride	mg/L		2/18/2016 2116h	E300.0	0.100	**0.117**	
Sulfate	mg/L		2/18/2016 1407h	E300.0	1,000	**2,750**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-007
Client Sample ID: MW-25_02082016
Collection Date: 2/8/2016 1250h
Received Date: 2/12/2016 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/15/2016 1253h	2/16/2016 1813h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/15/2016 1253h	2/16/2016 1932h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/15/2016 1253h	2/16/2016 1813h	E200.8	0.000500	**0.00151**	
Calcium	mg/L	2/15/2016 1253h	2/23/2016 1719h	E200.7	20.0	**359**	
Chromium	mg/L	2/15/2016 1253h	2/16/2016 1813h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/15/2016 1253h	2/16/2016 1813h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/15/2016 1253h	2/16/2016 1813h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/15/2016 1253h	2/17/2016 1604h	E200.8	0.0300	< 0.0300	
Lead	mg/L	2/15/2016 1253h	2/16/2016 1932h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/15/2016 1253h	2/23/2016 1719h	E200.7	20.0	**122**	
Manganese	mg/L	2/15/2016 1253h	2/16/2016 1813h	E200.8	0.0100	**1.49**	
Mercury	mg/L	2/15/2016 1715h	2/18/2016 1144h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/15/2016 1253h	2/17/2016 1137h	E200.8	0.0100	**0.0139**	
Nickel	mg/L	2/15/2016 1253h	2/16/2016 1813h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/15/2016 1253h	2/23/2016 1840h	E200.7	1.00	**9.53**	
Selenium	mg/L	2/15/2016 1253h	2/16/2016 1813h	E200.8	0.00500	< 0.00500	
Silver	mg/L	2/15/2016 1253h	2/16/2016 1813h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/15/2016 1253h	2/23/2016 1719h	E200.7	20.0	**302**	
Thallium	mg/L	2/15/2016 1253h	2/16/2016 1932h	E200.8	0.000500	**0.000826**	
Tin	mg/L	2/15/2016 1253h	2/16/2016 1813h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/15/2016 1253h	2/16/2016 2004h	E200.8	0.000300	**0.00616**	
Vanadium	mg/L	2/15/2016 1253h	2/23/2016 1840h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/15/2016 1253h	2/16/2016 1813h	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 2016
Lab Sample ID: 1602215-007
Client Sample ID: MW-25_02082016
Collection Date: 2/8/2016 1250h
Received Date: 2/12/2016 1020h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/16/2016 1400h	2/16/2016 1727h	E350.1	0.0500	**0.590**	
Bicarbonate (as CaCO3)	mg/L		2/16/2016 808h	SM2320B	1.00	**326**	
Carbonate (as CaCO3)	mg/L		2/16/2016 808h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/15/2016 1825h	E300.0	10.0	**31.6**	
Fluoride	mg/L		2/15/2016 2040h	E300.0	0.100	**0.319**	
Ion Balance	%		2/24/2016 1547h	Calc.	-100	**-1.22**	
Nitrate/Nitrite (as N)	mg/L		2/12/2016 1651h	E353.2	0.100	< 0.100	
Sulfate	mg/L		2/15/2016 1429h	E300.0	1,000	**1,680**	
Total Anions, Measured	meq/L		2/24/2016 1547h	Calc.		**42.4**	
Total Cations, Measured	meq/L		2/24/2016 1547h	Calc.		**41.4**	
Total Dissolved Solids	mg/L		2/12/2016 1300h	SM2540C	20.0	**2,760**	
Total Dissolved Solids Ratio, Measured/Calculated			2/24/2016 1547h	Calc.		**1.02**	
Total Dissolved Solids, Calculated	mg/L		2/24/2016 1547h	Calc.		**2,700**	

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-007E
Client Sample ID: MW-25_02082016
Collection Date: 2/8/2016 1250h
Received Date: 2/12/2016 1020h

Test Code: 8260-W-DEN100

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

Analyzed: 2/12/2016 1320h
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	54.0	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.1	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.8	50.00	104	80-124	
Surr: Toluene-d8	2037-26-5	49.6	50.00	99.3	77-129	

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Certificate of Analysis

Report Date: March 10, 2016

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-25_02082016	Project:	DNMI00100
Sample ID:	391359003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	08-FEB-16 12:50		
Receive Date:	12-FEB-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.141	0.486	1.00	pCi/L		AXM6	03/09/16	1750	1547069	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

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

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

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

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-006
Client Sample ID: MW-26_02162016
Collection Date: 2/16/2016 1400h
Received Date: 2/18/2016 854h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/18/2016 1124h	2/18/2016 1758h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/18/2016 1124h	2/18/2016 1839h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/18/2016 1124h	2/18/2016 1758h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	2/18/2016 1124h	2/24/2016 1249h	E200.7	20.0	**494**	
Chromium	mg/L	2/18/2016 1124h	2/18/2016 1758h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/18/2016 1124h	2/18/2016 1758h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/18/2016 1124h	2/18/2016 1758h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/18/2016 1124h	2/18/2016 1839h	E200.8	0.0300	**0.725**	
Lead	mg/L	2/18/2016 1124h	2/18/2016 1839h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/18/2016 1124h	2/24/2016 1257h	E200.7	10.0	**162**	
Manganese	mg/L	2/18/2016 1124h	2/18/2016 1758h	E200.8	0.0100	**0.690**	
Mercury	mg/L	2/18/2016 1615h	2/19/2016 1102h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/18/2016 1124h	2/18/2016 1758h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/18/2016 1124h	2/18/2016 1758h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/18/2016 1124h	2/24/2016 1335h	E200.7	1.00	**10.3**	
Selenium	mg/L	2/18/2016 1124h	2/18/2016 1758h	E200.8	0.00500	< 0.00500	
Silver	mg/L	2/18/2016 1124h	2/18/2016 1758h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/18/2016 1124h	2/24/2016 1257h	E200.7	10.0	**183**	
Thallium	mg/L	2/18/2016 1124h	2/18/2016 1839h	E200.8	0.000500	< 0.000500	
Tin	mg/L	2/18/2016 1124h	2/18/2016 1758h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/18/2016 1124h	2/18/2016 1914h	E200.8	0.000300	**0.0304**	
Vanadium	mg/L	2/18/2016 1124h	2/24/2016 1335h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/18/2016 1124h	2/18/2016 1758h	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 2016
Lab Sample ID: 1602301-006
Client Sample ID: MW-26_02162016
Collection Date: 2/16/2016 1400h
Received Date: 2/18/2016 854h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/23/2016 1250h	2/23/2016 1607h	E350.1	0.0500	**0.264**	
Bicarbonate (as CaCO3)	mg/L		2/19/2016 651h	SM2320B	1.00	**337**	
Carbonate (as CaCO3)	mg/L		2/19/2016 651h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/18/2016 1952h	E300.0	10.0	**69.1**	
Fluoride	mg/L		2/18/2016 2207h	E300.0	0.100	**0.275**	
Ion Balance	%		3/1/2016 1402h	Calc.	-100	**-0.338**	
Nitrate/Nitrite (as N)	mg/L		2/19/2016 1246h	E353.2	0.100	**1.66**	
Sulfate	mg/L		2/18/2016 1532h	E300.0	1,000	**1,820**	
Total Anions, Measured	meq/L		3/1/2016 1402h	Calc.		**46.6**	
Total Cations, Measured	meq/L		3/1/2016 1402h	Calc.		**46.3**	
Total Dissolved Solids	mg/L		2/19/2016 1220h	SM2540C	20.0	**3,000**	
Total Dissolved Solids Ratio, Measured/Calculated			3/1/2016 1402h	Calc.		**1.02**	
Total Dissolved Solids, Calculated	mg/L		3/1/2016 1402h	Calc.		**2,940**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-006E
Client Sample ID: MW-26_02162016
Collection Date: 2/16/2016 1400h
Received Date: 2/18/2016 854h
Test Code: 8260-W-DEN100

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

Analyzed: 2/18/2016 1326h
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	**3,530**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	5,560	5,000	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	4,830	5,000	96.6	80-152	
Surr: Dibromofluoromethane	1868-53-7	5,350	5,000	107	80-124	
Surr: Toluene-d8	2037-26-5	4,940	5,000	98.8	77-129	

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

Analyzed: 2/18/2016 1208h
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	**8.68**	
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	56.2	50.00	112	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.9	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	54.3	50.00	109	80-124	
Surr: Toluene-d8	2037-26-5	50.7	50.00	101	77-129	

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

Certificate of Analysis

Report Date: March 19, 2016

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-26_02162016	Project:	DNMI00100
Sample ID:	392120003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	16-FEB-16 14:00		
Receive Date:	26-FEB-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		2.77	+/-0.465	0.988	1.00	pCi/L		AXM6	03/17/16	1628	1550193	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"			99.8	(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.

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602107-002
Client Sample ID: MW-27_02022016
Collection Date: 2/2/2016 1130h
Received Date: 2/5/2016 1000h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		2/10/2016 1827h	E300.0	10.0	**47.3**	
Nitrate/Nitrite (as N)	mg/L		2/9/2016 1853h	E353.2	0.200	**6.50**	
Sulfate	mg/L		2/11/2016 836h	E300.0	100	**439**	
Total Dissolved Solids	mg/L		2/5/2016 1245h	SM2540C	20.0	**1,050**	@

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

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Jose Rocha
QA Officer

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

Certificate of Analysis

Report Date: March 10, 2016

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-27_02022016	Project:	DNMI00100
Sample ID:	391359001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	02-FEB-16 11:30		
Receive Date:	12-FEB-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.125	0.381	1.00	pCi/L		AXM6	03/09/16	1750	1547069	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"			90.2	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602107-003
Client Sample ID: MW-28_02022016
Collection Date: 2/2/2016 1045h
Received Date: 2/5/2016 1000h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	2/8/2016 1410h	2/9/2016 1943h	E200.8	0.000500	**0.00526**	
Uranium	mg/L	2/8/2016 1410h	2/9/2016 1949h	E200.8	0.000300	**0.00461**	
Vanadium	mg/L	2/8/2016 1410h	2/9/2016 1943h	E200.8	0.0150	< 0.0150	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602107-003
Client Sample ID: MW-28_02022016
Collection Date: 2/2/2016 1045h
Received Date: 2/5/2016 1000h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		2/10/2016 1720h	E300.0	100	**130**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-005
Client Sample ID: MW-29_02102016
Collection Date: 2/10/2016 1305h
Received Date: 2/12/2016 1020h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Sulfate	mg/L		2/15/2016 1248h	E300.0	1,000	**2,710**	
Total Dissolved Solids	mg/L		2/12/2016 1300h	SM2540C	20.0	**4,410**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-008
Client Sample ID: MW-30_02102016
Collection Date: 2/10/2016 1025h
Received Date: 2/12/2016 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/15/2016 1253h	2/16/2016 1817h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/15/2016 1253h	2/16/2016 1935h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/15/2016 1253h	2/16/2016 1817h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	2/15/2016 1253h	2/23/2016 1729h	E200.7	20.0	**271**	
Chromium	mg/L	2/15/2016 1253h	2/16/2016 1817h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/15/2016 1253h	2/16/2016 1817h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/15/2016 1253h	2/16/2016 1817h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/15/2016 1253h	2/17/2016 1607h	E200.8	0.0300	< 0.0300	
Lead	mg/L	2/15/2016 1253h	2/16/2016 1935h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/15/2016 1253h	2/23/2016 1729h	E200.7	20.0	**70.3**	
Manganese	mg/L	2/15/2016 1253h	2/16/2016 1817h	E200.8	0.0100	**0.0141**	
Mercury	mg/L	2/15/2016 1715h	2/18/2016 1146h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/15/2016 1253h	2/17/2016 1140h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/15/2016 1253h	2/16/2016 1817h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/15/2016 1253h	2/23/2016 1843h	E200.7	1.00	**6.30**	
Selenium	mg/L	2/15/2016 1253h	2/16/2016 1817h	E200.8	0.00500	**0.0425**	
Silver	mg/L	2/15/2016 1253h	2/16/2016 1817h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/15/2016 1253h	2/23/2016 1729h	E200.7	20.0	**99.6**	
Thallium	mg/L	2/15/2016 1253h	2/16/2016 1935h	E200.8	0.000500	< 0.000500	
Tin	mg/L	2/15/2016 1253h	2/16/2016 1817h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/15/2016 1253h	2/16/2016 2007h	E200.8	0.000300	**0.00776**	
Vanadium	mg/L	2/15/2016 1253h	2/23/2016 1843h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/15/2016 1253h	2/16/2016 1817h	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 2016
Lab Sample ID: 1602215-008
Client Sample ID: MW-30_02102016
Collection Date: 2/10/2016 1025h
Received Date: 2/12/2016 1020h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/16/2016 1400h	2/16/2016 1727h	E350.1	0.0500	**0.0646**	
Bicarbonate (as CaCO3)	mg/L		2/16/2016 808h	SM2320B	1.00	**155**	
Carbonate (as CaCO3)	mg/L		2/16/2016 808h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/15/2016 1644h	E300.0	100	**145**	
Fluoride	mg/L		2/15/2016 2056h	E300.0	0.100	**0.360**	
Ion Balance	%		2/24/2016 1547h	Calc.	-100	**1.94**	
Nitrate/Nitrite (as N)	mg/L		2/26/2016 1342h	E353.2	0.200	**20.0**	2
Sulfate	mg/L		2/15/2016 1644h	E300.0	100	**754**	
Total Anions, Measured	meq/L		2/24/2016 1547h	Calc.		**22.9**	
Total Cations, Measured	meq/L		2/24/2016 1547h	Calc.		**23.8**	
Total Dissolved Solids	mg/L		2/12/2016 1300h	SM2540C	20.0	**1,580**	
Total Dissolved Solids Ratio, Measured/Calculated			2/24/2016 1547h	Calc.		**1.09**	
Total Dissolved Solids, Calculated	mg/L		2/24/2016 1547h	Calc.		**1,440**	

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

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-008E
Client Sample ID: MW-30_02102016
Collection Date: 2/10/2016 1025h
Received Date: 2/12/2016 1020h

Test Code: 8260-W-DEN100

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

Analyzed: 2/12/2016 1339h
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	55.7	50.00	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.5	50.00	107	80-152	
Surr: Dibromofluoromethane	1868-53-7	53.8	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	51.5	50.00	103	77-129	

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

Certificate of Analysis

Report Date: March 10, 2016

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-30_02102016	Project:	DNMI00100
Sample ID:	391359004	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	10-FEB-16 10:25		
Receive Date:	12-FEB-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.306	0.949	1.00	pCi/L		AXM6	03/10/16	0743	1547069	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			97.2	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-007
Client Sample ID: MW-31_02152016
Collection Date: 2/15/2016 1415h
Received Date: 2/18/2016 854h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/18/2016 1124h	2/18/2016 1811h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/18/2016 1124h	2/18/2016 1842h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/18/2016 1124h	2/18/2016 1811h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	2/18/2016 1124h	2/24/2016 1300h	E200.7	10.0	**238**	
Chromium	mg/L	2/18/2016 1124h	2/18/2016 1811h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/18/2016 1124h	2/18/2016 1811h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/18/2016 1124h	2/18/2016 1811h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/18/2016 1124h	2/18/2016 1842h	E200.8	0.0300	< 0.0300	
Lead	mg/L	2/18/2016 1124h	2/18/2016 1842h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/18/2016 1124h	2/24/2016 1417h	E200.7	5.00	**106**	
Manganese	mg/L	2/18/2016 1124h	2/18/2016 1811h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	2/18/2016 1615h	2/19/2016 1109h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/18/2016 1124h	2/18/2016 1811h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/18/2016 1124h	2/18/2016 1811h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/18/2016 1124h	2/24/2016 1338h	E200.7	1.00	**6.03**	
Selenium	mg/L	2/18/2016 1124h	2/18/2016 1811h	E200.8	0.00500	**0.0810**	
Silver	mg/L	2/18/2016 1124h	2/18/2016 1811h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/18/2016 1124h	2/24/2016 1417h	E200.7	5.00	**98.5**	
Thallium	mg/L	2/18/2016 1124h	2/18/2016 1842h	E200.8	0.000500	< 0.000500	
Tin	mg/L	2/18/2016 1124h	2/18/2016 1811h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/18/2016 1124h	2/18/2016 1917h	E200.8	0.000300	**0.00841**	
Vanadium	mg/L	2/18/2016 1124h	2/24/2016 1338h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/18/2016 1124h	2/18/2016 1811h	E200.8	0.0100	< 0.0100	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-007
Client Sample ID: MW-31_02152016
Collection Date: 2/15/2016 1415h
Received Date: 2/18/2016 854h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/23/2016 1250h	2/23/2016 1607h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		2/19/2016 651h	SM2320B	1.00	**171**	
Carbonate (as CaCO3)	mg/L		2/19/2016 651h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/18/2016 1811h	E300.0	100	**246**	
Fluoride	mg/L		2/18/2016 2224h	E300.0	0.100	**0.724**	
Ion Balance	%		3/1/2016 1402h	Calc.	-100	**2.55**	
Nitrate/Nitrite (as N)	mg/L		2/19/2016 1247h	E353.2	0.100	**18.8**	
Sulfate	mg/L		2/18/2016 1811h	E300.0	100	**631**	
Total Anions, Measured	meq/L		3/1/2016 1402h	Calc.		**23.8**	
Total Cations, Measured	meq/L		3/1/2016 1402h	Calc.		**25.0**	
Total Dissolved Solids	mg/L		2/19/2016 1220h	SM2540C	20.0	**1,490**	
Total Dissolved Solids Ratio, Measured/Calculated			3/1/2016 1402h	Calc.		**1.03**	
Total Dissolved Solids, Calculated	mg/L		3/1/2016 1402h	Calc.		**1,450**	

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-007E
Client Sample ID: MW-31_02152016
Collection Date: 2/15/2016 1415h
Received Date: 2/18/2016 854h

Test Code: 8260-W-DEN100

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

Analyzed: 2/18/2016 1425h
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	55.9	50.00	112	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.7	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	53.2	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	50.6	50.00	101	77-129	

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Certificate of Analysis

Report Date: March 19, 2016

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-31_02152016	Project:	DNMI00100
Sample ID:	392120004	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	15-FEB-16 14:15		
Receive Date:	26-FEB-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		1.05	+/-0.352	0.977	1.00	pCi/L		AXM6	03/17/16	1628	1550193	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

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

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602107-004
Client Sample ID: MW-32_02032016
Collection Date: 2/3/2016 1240h
Received Date: 2/5/2016 1000h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		2/10/2016 1844h	E300.0	10.0	**38.2**	

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Kyle F. Gross
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Jose Rocha
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Certificate of Analysis

Report Date: March 10, 2016

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-32_02032016	Project:	DNMI00100
Sample ID:	391359002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	03-FEB-16 12:40		
Receive Date:	12-FEB-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		2.17	+/-0.199	0.409	1.00	pCi/L		AXM6	03/09/16	1750	1547069	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			102	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-009
Client Sample ID: MW-35_02102016
Collection Date: 2/10/2016 1135h
Received Date: 2/12/2016 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/15/2016 1253h	2/16/2016 1829h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/15/2016 1253h	2/16/2016 1939h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/15/2016 1253h	2/16/2016 1829h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	2/15/2016 1253h	2/23/2016 1817h	E200.7	40.0	**522**	
Chromium	mg/L	2/15/2016 1253h	2/16/2016 1829h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/15/2016 1253h	2/16/2016 1829h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/15/2016 1253h	2/16/2016 1829h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/15/2016 1253h	2/17/2016 1610h	E200.8	0.0300	**0.0771**	
Lead	mg/L	2/15/2016 1253h	2/16/2016 1939h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/15/2016 1253h	2/23/2016 1731h	E200.7	20.0	**159**	
Manganese	mg/L	2/15/2016 1253h	2/16/2016 1829h	E200.8	0.0100	**0.194**	
Mercury	mg/L	2/15/2016 1715h	2/18/2016 1152h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/15/2016 1253h	2/16/2016 1829h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/15/2016 1253h	2/16/2016 1829h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/15/2016 1253h	2/23/2016 1845h	E200.7	1.00	**11.6**	
Selenium	mg/L	2/15/2016 1253h	2/16/2016 1829h	E200.8	0.00500	**0.0144**	
Silver	mg/L	2/15/2016 1253h	2/16/2016 1829h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/15/2016 1253h	2/23/2016 1731h	E200.7	20.0	**373**	
Thallium	mg/L	2/15/2016 1253h	2/16/2016 1939h	E200.8	0.000500	< 0.000500	
Tin	mg/L	2/15/2016 1253h	2/16/2016 1829h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/15/2016 1253h	2/16/2016 2010h	E200.8	0.000300	**0.0208**	
Vanadium	mg/L	2/15/2016 1253h	2/23/2016 1845h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/15/2016 1253h	2/16/2016 1829h	E200.8	0.0100	< 0.0100	

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Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-009
Client Sample ID: MW-35_02102016
Collection Date: 2/10/2016 1135h
Received Date: 2/12/2016 1020h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/22/2016 1300h	2/22/2016 1604h	E350.1	0.0500	**0.122**	
Bicarbonate (as CaCO3)	mg/L		2/16/2016 808h	SM2320B	1.00	**326**	
Carbonate (as CaCO3)	mg/L		2/16/2016 808h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/15/2016 1858h	E300.0	10.0	**65.8**	
Fluoride	mg/L		2/15/2016 2113h	E300.0	0.100	**0.333**	
Ion Balance	%		2/24/2016 1547h	Calc.	-100	**-1.13**	
Nitrate/Nitrite (as N)	mg/L		2/12/2016 1654h	E353.2	0.100	< 0.100	
Sulfate	mg/L		2/15/2016 1502h	E300.0	1,000	**2,330**	
Total Anions, Measured	meq/L		2/24/2016 1547h	Calc.		**57.0**	
Total Cations, Measured	meq/L		2/24/2016 1547h	Calc.		**55.7**	
Total Dissolved Solids	mg/L		2/12/2016 1300h	SM2540C	20.0	**3,700**	
Total Dissolved Solids Ratio, Measured/Calculated			2/24/2016 1547h	Calc.		**1.01**	
Total Dissolved Solids, Calculated	mg/L		2/24/2016 1547h	Calc.		**3,660**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-009E
Client Sample ID: MW-35_02102016
Collection Date: 2/10/2016 1135h
Received Date: 2/12/2016 1020h

Test Code: 8260-W-DEN100

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

Analyzed: 2/12/2016 1359h
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	54.2	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.2	50.00	102	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.8	50.00	104	80-124	
Surr: Toluene-d8	2037-26-5	50.0	50.00	100	77-129	

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Certificate of Analysis

Report Date: March 10, 2016

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-35_02102016	Project:	DNMI00100
Sample ID:	391359005	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	10-FEB-16 11:35		
Receive Date:	12-FEB-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		2.42	+/-0.485	0.912	1.00	pCi/L		AXM6	03/10/16	0744	1547069	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"			99.8	(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.

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-010
Client Sample ID: MW-36_02112016
Collection Date: 2/11/2016 725h
Received Date: 2/12/2016 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/15/2016 1253h	2/16/2016 1832h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/15/2016 1253h	2/16/2016 1942h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/15/2016 1253h	2/16/2016 1832h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	2/15/2016 1253h	2/23/2016 1820h	E200.7	40.0	**464**	
Chromium	mg/L	2/15/2016 1253h	2/16/2016 1832h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/15/2016 1253h	2/16/2016 1832h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/15/2016 1253h	2/16/2016 1832h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/15/2016 1253h	2/17/2016 1613h	E200.8	0.0300	< 0.0300	
Lead	mg/L	2/15/2016 1253h	2/16/2016 1942h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/15/2016 1253h	2/23/2016 1734h	E200.7	20.0	**137**	
Manganese	mg/L	2/15/2016 1253h	2/16/2016 1832h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	2/15/2016 1715h	2/18/2016 1154h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/15/2016 1253h	2/16/2016 1832h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/15/2016 1253h	2/16/2016 1832h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/15/2016 1253h	2/23/2016 1848h	E200.7	1.00	**9.68**	
Selenium	mg/L	2/15/2016 1253h	2/16/2016 1832h	E200.8	0.00500	**0.247**	
Silver	mg/L	2/15/2016 1253h	2/16/2016 1832h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/15/2016 1253h	2/23/2016 1820h	E200.7	40.0	**709**	
Thallium	mg/L	2/15/2016 1253h	2/16/2016 1942h	E200.8	0.000500	**0.000642**	
Tin	mg/L	2/15/2016 1253h	2/16/2016 1832h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/15/2016 1253h	2/16/2016 2013h	E200.8	0.000300	**0.0215**	
Vanadium	mg/L	2/15/2016 1253h	2/23/2016 1848h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/15/2016 1253h	2/16/2016 1832h	E200.8	0.0100	< 0.0100	

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Laboratory Director
Jose Rocha
QA Officer

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-010
Client Sample ID: MW-36_02112016
Collection Date: 2/11/2016 725h
Received Date: 2/12/2016 1020h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/16/2016 1400h	2/16/2016 1727h	E350.1	0.0500	**0.0970**	
Bicarbonate (as CaCO3)	mg/L		2/16/2016 808h	SM2320B	1.00	**291**	
Carbonate (as CaCO3)	mg/L		2/16/2016 808h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/15/2016 1915h	E300.0	10.0	**58.6**	
Fluoride	mg/L		2/15/2016 2130h	E300.0	0.100	**0.279**	
Ion Balance	%		2/24/2016 1547h	Calc.	-100	**0.899**	
Nitrate/Nitrite (as N)	mg/L		2/12/2016 1655h	E353.2	0.100	< 0.100	
Sulfate	mg/L		2/15/2016 1519h	E300.0	1,000	**2,730**	
Total Anions, Measured	meq/L		2/24/2016 1547h	Calc.		**64.3**	
Total Cations, Measured	meq/L		2/24/2016 1547h	Calc.		**65.5**	
Total Dissolved Solids	mg/L		2/12/2016 1300h	SM2540C	20.0	**4,240**	
Total Dissolved Solids Ratio, Measured/Calculated			2/24/2016 1547h	Calc.		**0.991**	
Total Dissolved Solids, Calculated	mg/L		2/24/2016 1547h	Calc.		**4,280**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-010E
Client Sample ID: MW-36_02112016
Collection Date: 2/11/2016 725h
Received Date: 2/12/2016 1020h

Test Code: 8260-W-DEN100

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

Analyzed: 2/12/2016 1418h
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	49.1	50.00	98.2	80-152	
Surr: Dibromofluoromethane	1868-53-7	52.6	50.00	105	80-124	
Surr: Toluene-d8	2037-26-5	49.9	50.00	99.8	77-129	

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

Certificate of Analysis

Report Date: March 10, 2016

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-36_02112016	Project:	DNMI00100
Sample ID:	391359006	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	11-FEB-16 07:25		
Receive Date:	12-FEB-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.162	0.432	1.00	pCi/L		AXM6	03/09/16	1750	1547069	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			98	(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.

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1603480-001
Client Sample ID: MW-37_03222016
Collection Date: 3/22/2016 1020h
Received Date: 3/23/2016 930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	3/23/2016 1254h	3/25/2016 1041h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	3/23/2016 1254h	3/25/2016 1109h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	3/23/2016 1254h	3/25/2016 1041h	E200.8	0.000500	**0.00117**	
Calcium	mg/L	3/23/2016 1254h	3/24/2016 938h	E200.7	100	**498**	2
Chromium	mg/L	3/23/2016 1254h	3/25/2016 1041h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	3/23/2016 1254h	3/25/2016 1041h	E200.8	0.0100	**0.0194**	
Copper	mg/L	3/23/2016 1254h	3/25/2016 1041h	E200.8	0.0100	< 0.0100	
Iron	mg/L	3/23/2016 1254h	3/25/2016 1109h	E200.8	0.0300	< 0.0300	
Lead	mg/L	3/23/2016 1254h	3/25/2016 1109h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	3/23/2016 1254h	3/24/2016 917h	E200.7	10.0	**129**	2
Manganese	mg/L	3/23/2016 1254h	3/25/2016 1041h	E200.8	0.0100	**0.735**	
Mercury	mg/L	3/23/2016 1645h	3/28/2016 1053h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	3/23/2016 1254h	3/25/2016 1041h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	3/23/2016 1254h	3/25/2016 1041h	E200.8	0.0200	**0.0239**	
Potassium	mg/L	3/23/2016 1254h	3/24/2016 917h	E200.7	10.0	**15.1**	
Selenium	mg/L	3/23/2016 1254h	3/25/2016 1041h	E200.8	0.00500	**0.00876**	
Silver	mg/L	3/23/2016 1254h	3/25/2016 1041h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	3/23/2016 1254h	3/24/2016 938h	E200.7	100	**538**	2
Thallium	mg/L	3/23/2016 1254h	3/25/2016 1109h	E200.8	0.000500	**0.00160**	
Tin	mg/L	3/23/2016 1254h	3/25/2016 1041h	E200.8	0.100	< 0.100	
Uranium	mg/L	3/23/2016 1254h	3/25/2016 1115h	E200.8	0.000300	**0.0138**	
Vanadium	mg/L	3/23/2016 1254h	3/25/2016 1113h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	3/23/2016 1254h	3/25/2016 1041h	E200.8	0.0100	**0.0972**	

[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 2016
Lab Sample ID: 1603480-001
Client Sample ID: MW-37_03222016
Collection Date: 3/22/2016 1020h
Received Date: 3/23/2016 930h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	4/12/2016 1430h	4/12/2016 1634h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		3/24/2016 904h	SM2320B	1.00	**99.2**	
Carbonate (as CaCO3)	mg/L		3/24/2016 904h	SM2320B	1.00	< 1.00	
Chloride	mg/L		3/29/2016 242h	E300.0	10.0	**42.7**	
Fluoride	mg/L		3/29/2016 838h	E300.0	0.100	**0.386**	
Ion Balance	%		3/24/2016	Calc.	-100	**4.20**	
Nitrate/Nitrite (as N)	mg/L		3/24/2016 1747h	E353.2	0.100	**0.294**	
Sulfate	mg/L		3/28/2016 1726h	E300.0	1,000	**2,360**	
Total Anions, Measured	meq/L		3/24/2016	Calc.		**52.2**	
Total Cations, Measured	meq/L		3/24/2016	Calc.		**56.8**	
Total Dissolved Solids	mg/L		3/25/2016 1113h	SM2540C	20.0	**3,880**	
Total Dissolved Solids Ratio, Measured/Calculated			3/24/2016	Calc.		**1.08**	
Total Dissolved Solids, Calculated	mg/L		3/24/2016	Calc.		**3,580**	

[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 Groundwater 2016
Lab Sample ID: 1603480-001A
Client Sample ID: MW-37_03222016
Collection Date: 3/22/2016 1020h
Received Date: 3/23/2016 930h

Test Code: 8260-W-DEN100

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

Analyzed: 3/23/2016 1222h
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	49.2	50.00	98.4	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.3	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.4	50.00	98.9	80-124	
Surr: Toluene-d8	2037-26-5	50.9	50.00	102	77-129	

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

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

Certificate of Analysis

Report Date: April 19, 2016

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-37_03222016	Project:	DNMI00100
Sample ID:	393719001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	22-MAR-16 10:20		
Receive Date:	23-MAR-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.204	0.448	1.00	pCi/L		AXM6	04/19/16	1101	1556931	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			98.3	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-011
Client Sample ID: MW-65_02112016
Collection Date: 2/11/2016 725h
Received Date: 2/12/2016 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/15/2016 1253h	2/16/2016 1835h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/15/2016 1253h	2/16/2016 1945h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/15/2016 1253h	2/16/2016 1835h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	2/15/2016 1253h	2/23/2016 1822h	E200.7	40.0	**469**	
Chromium	mg/L	2/15/2016 1253h	2/16/2016 1835h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/15/2016 1253h	2/16/2016 1835h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/15/2016 1253h	2/16/2016 1835h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/15/2016 1253h	2/17/2016 1616h	E200.8	0.0300	< 0.0300	
Lead	mg/L	2/15/2016 1253h	2/16/2016 1945h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/15/2016 1253h	2/23/2016 1736h	E200.7	20.0	**139**	
Manganese	mg/L	2/15/2016 1253h	2/16/2016 1835h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	2/15/2016 1715h	2/18/2016 1156h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/15/2016 1253h	2/16/2016 1835h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/15/2016 1253h	2/16/2016 1835h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/15/2016 1253h	2/23/2016 1850h	E200.7	1.00	**9.66**	
Selenium	mg/L	2/15/2016 1253h	2/16/2016 1835h	E200.8	0.00500	**0.243**	
Silver	mg/L	2/15/2016 1253h	2/16/2016 1835h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/15/2016 1253h	2/23/2016 1822h	E200.7	40.0	**713**	
Thallium	mg/L	2/15/2016 1253h	2/16/2016 1945h	E200.8	0.000500	**0.000637**	
Tin	mg/L	2/15/2016 1253h	2/16/2016 1835h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/15/2016 1253h	2/16/2016 2016h	E200.8	0.000300	**0.0212**	
Vanadium	mg/L	2/15/2016 1253h	2/23/2016 1850h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/15/2016 1253h	2/16/2016 1835h	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 2016
Lab Sample ID: 1602215-011
Client Sample ID: MW-65_02112016
Collection Date: 2/11/2016 725h
Received Date: 2/12/2016 1020h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/22/2016 1300h	2/22/2016 1559h	E350.1	0.0500	**0.0668**	
Bicarbonate (as CaCO3)	mg/L		2/16/2016 808h	SM2320B	1.00	**284**	
Carbonate (as CaCO3)	mg/L		2/16/2016 808h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/15/2016 1932h	E300.0	10.0	**58.5**	
Fluoride	mg/L		2/15/2016 2147h	E300.0	0.100	**0.264**	
Ion Balance	%		2/24/2016 1547h	Calc.	-100	**1.92**	
Nitrate/Nitrite (as N)	mg/L		2/12/2016 1656h	E353.2	0.100	< 0.100	
Sulfate	mg/L		2/15/2016 1536h	E300.0	1,000	**2,700**	
Total Anions, Measured	meq/L		2/24/2016 1547h	Calc.		**63.6**	
Total Cations, Measured	meq/L		2/24/2016 1547h	Calc.		**66.1**	
Total Dissolved Solids	mg/L		2/12/2016 1300h	SM2540C	20.0	**4,280**	
Total Dissolved Solids Ratio, Measured/Calculated			2/24/2016 1547h	Calc.		**1.00**	
Total Dissolved Solids, Calculated	mg/L		2/24/2016 1547h	Calc.		**4,260**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-011E
Client Sample ID: MW-65_02112016
Collection Date: 2/11/2016 725h
Received Date: 2/12/2016 1020h

Test Code: 8260-W-DEN100

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

Analyzed: 2/12/2016 1438h
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	54.2	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	55.3	50.00	111	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.1	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	50.6	50.00	101	77-129	

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

Certificate of Analysis

Report Date: March 10, 2016

Company : Energy Fuels Resources (USA), Inc.
Address : 225 Union Boulevard
Suite 600
Lakewood, Colorado 80228
Contact: Ms. Kathy Weinel
Project: White Mesa Mill GW

Client Sample ID: MW-65_02112016
Sample ID: 391359007
Matrix: Ground Water
Collect Date: 11-FEB-16 07:25
Receive Date: 12-FEB-16
Collector: Client

Project: DNMI00100
Client ID: DNMI001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.168	0.602	1.00	pCi/L		AXM6	03/09/16	1750	1547069	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			97.2	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-008
Client Sample ID: MW-70_02152016
Collection Date: 2/15/2016 1345h
Received Date: 2/18/2016 854h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	2/18/2016 1124h	2/18/2016 1814h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	2/18/2016 1124h	2/18/2016 1845h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	2/18/2016 1124h	2/18/2016 1814h	E200.8	0.000500	**0.00131**	
Calcium	mg/L	2/18/2016 1124h	2/24/2016 1229h	E200.7	50.0	**534**	
Chromium	mg/L	2/18/2016 1124h	2/18/2016 1814h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	2/18/2016 1124h	2/18/2016 1814h	E200.8	0.0100	< 0.0100	
Copper	mg/L	2/18/2016 1124h	2/18/2016 1814h	E200.8	0.0100	< 0.0100	
Iron	mg/L	2/18/2016 1124h	2/18/2016 1845h	E200.8	0.0300	< 0.0300	
Lead	mg/L	2/18/2016 1124h	2/18/2016 1845h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	2/18/2016 1124h	2/24/2016 1302h	E200.7	10.0	**156**	
Manganese	mg/L	2/18/2016 1124h	2/18/2016 1814h	E200.8	0.0100	**1.92**	
Mercury	mg/L	2/18/2016 1615h	2/19/2016 1110h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	2/18/2016 1124h	2/18/2016 1814h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	2/18/2016 1124h	2/18/2016 1814h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	2/18/2016 1124h	3/1/2016 1325h	E200.7	1.00	**11.5**	
Selenium	mg/L	2/18/2016 1124h	2/18/2016 1814h	E200.8	0.00500	< 0.00500	
Silver	mg/L	2/18/2016 1124h	2/18/2016 1814h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	2/18/2016 1124h	2/24/2016 1252h	E200.7	20.0	**329**	
Thallium	mg/L	2/18/2016 1124h	2/18/2016 1845h	E200.8	0.000500	< 0.000500	
Tin	mg/L	2/18/2016 1124h	2/18/2016 1814h	E200.8	0.100	< 0.100	
Uranium	mg/L	2/18/2016 1124h	2/18/2016 1920h	E200.8	0.000300	**0.0567**	
Vanadium	mg/L	2/18/2016 1124h	3/1/2016 1325h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	2/18/2016 1124h	2/18/2016 1814h	E200.8	0.0100	**0.0124**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-008
Client Sample ID: MW-70_02152016
Collection Date: 2/15/2016 1345h
Received Date: 2/18/2016 854h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	2/23/2016 1550h	2/23/2016 1723h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		2/19/2016 651h	SM2320B	1.00	**386**	
Carbonate (as CaCO3)	mg/L		2/19/2016 651h	SM2320B	1.00	< 1.00	
Chloride	mg/L		2/18/2016 2009h	E300.0	10.0	**20.3**	
Fluoride	mg/L		2/18/2016 2240h	E300.0	0.100	**0.131**	
Ion Balance	%		3/1/2016 1402h	Calc.	-100	**0.0186**	
Nitrate/Nitrite (as N)	mg/L		2/19/2016 1249h	E353.2	0.100	< 0.100	
Sulfate	mg/L		2/18/2016 1549h	E300.0	1,000	**2,200**	
Total Anions, Measured	meq/L		3/1/2016 1402h	Calc.		**54.1**	
Total Cations, Measured	meq/L		3/1/2016 1402h	Calc.		**54.1**	
Total Dissolved Solids	mg/L		2/19/2016 1220h	SM2540C	20.0	**3,350**	
Total Dissolved Solids Ratio, Measured/Calculated			3/1/2016 1402h	Calc.		**0.962**	
Total Dissolved Solids, Calculated	mg/L		3/1/2016 1402h	Calc.		**3,480**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-008E
Client Sample ID: MW-70_02152016
Collection Date: 2/15/2016 1345h
Received Date: 2/18/2016 854h

Test Code: 8260-W-DEN100

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

Analyzed: 2/18/2016 1247h
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	57.8	50.00	116	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.5	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	54.6	50.00	109	80-124	
Surr: Toluene-d8	2037-26-5	51.5	50.00	103	77-129	

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Certificate of Analysis

Report Date: March 19, 2016

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-70_02152016	Project:	DNMI00100
Sample ID:	392120005	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	15-FEB-16 13:45		
Receive Date:	26-FEB-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.292	0.957	1.00	pCi/L		AXM6	03/17/16	1629	1550193	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			96.5	(25%-125%)

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

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

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602215-012A
Client Sample ID: Trip Blank
Collection Date: 2/8/2016
Received Date: 2/12/2016 1020h

Test Code: 8260-W-DEN100

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

Analyzed: 2/12/2016 1241h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.9	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.9	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.1	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	50.3	50.00	101	77-129	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1602301-009A
Client Sample ID: Trip Blank
Collection Date: 2/15/2016
Received Date: 2/18/2016 854h

Test Code: 8260-W-DEN100

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

Analyzed: 2/18/2016 1108h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.9	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.2	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.8	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	50.5	50.00	101	77-129	

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Jose Rocha
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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Sample ID: 1603480-002A
Client Sample ID: Trip Blank
Collection Date: 3/22/2016
Received Date: 3/23/2016 930h

Test Code: 8260-W-DEN100

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

Analyzed: 3/23/2016 1242h
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	49.5	50.00	98.9	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.6	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.0	50.00	98.0	80-124	
Surr: Toluene-d8	2037-26-5	50.2	50.00	100	77-129	

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American West
ANALYTICAL LABORATORIES

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 1st Quarter Groundwater 2016

Dear Garrin Palmer: Lab Set ID: 1602107

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories received sample(s) on 2/5/2016 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou, email=jose@awal-labs.com, c=US
Date: 2016.02.19 13:23:05 -07'00'

Laboratory Director or designee

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SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Set ID: 1602107
Date Received: 2/5/2016 1000h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1602107-001A	MW-12_02042016	2/4/2016	1010h	Aqueous	ICPMS Metals, Dissolved
1602107-002A	MW-27_02022016	2/2/2016	1130h	Aqueous	Nitrite/Nitrate (as N), E353.2
1602107-002B	MW-27_02022016	2/2/2016	1130h	Aqueous	Anions, E300.0
1602107-002C	MW-27_02022016	2/2/2016	1130h	Aqueous	Total Dissolved Solids, A2540C
1602107-003A	MW-28_02022016	2/2/2016	1045h	Aqueous	ICPMS Metals, Dissolved
1602107-003B	MW-28_02022016	2/2/2016	1045h	Aqueous	Anions, E300.0
1602107-004A	MW-32_02032016	2/3/2016	1240h	Aqueous	Anions, E300.0

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	1st Quarter Groundwater 2016
Lab Set ID:	1602107

Sample Receipt Information:

Date of Receipt:	2/5/2016
Date(s) of Collection:	2/2 - 2/4/2016
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Duplicate (DUP): The RPD for TDS was outside of control limits due to suspected sample non-homogeneity or matrix interference on sample 1602107-002C.

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: 1602107
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-41411	Date Analyzed:	02/09/2016 1915h											
Test Code: 200.8-DIS	Date Prepared:	02/08/2016 1410h											
Cadmium	0.212	mg/L	E200.8	0.0000666	0.000500	0.2000	0	106	85 - 115				
Selenium	0.200	mg/L	E200.8	0.000310	0.00200	0.2000	0	99.8	85 - 115				
Uranium	0.203	mg/L	E200.8	0.0000710	0.00200	0.2000	0	102	85 - 115				
Vanadium	0.204	mg/L	E200.8	0.000248	0.00440	0.2000	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: 1602107
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MBLK

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**MB-41411**	Date Analyzed:	02/09/2016 1912h											
Test Code:	200.8-DIS	Date Prepared:	02/08/2016 1410h											
Cadmium		< 0.000500	mg/L	E200.8	0.0000666	0.000500								
Selenium		< 0.00200	mg/L	E200.8	0.000310	0.00200								
Vanadium		< 0.00440	mg/L	E200.8	0.000248	0.00440								
Lab Sample ID:	**MB-41411**	Date Analyzed:	02/09/2016 1946h											
Test Code:	200.8-DIS	Date Prepared:	02/08/2016 1410h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602107
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1602107-001AMS	Date Analyzed:	02/09/2016 1937h											
Test Code: 200.8-DIS	Date Prepared:	02/08/2016 1410h											
Cadmium	0.208	mg/L	E200.8	0.0000666	0.000500	0.2000	0.000109	104	75 - 125				
Selenium	0.222	mg/L	E200.8	0.000310	0.00200	0.2000	0.0238	99.3	75 - 125				
Uranium	0.218	mg/L	E200.8	0.0000710	0.00200	0.2000	0.021	98.5	75 - 125				
Vanadium	0.206	mg/L	E200.8	0.000248	0.00440	0.2000	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: 1602107
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MSD

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1602107-001AMSD**	Date Analyzed:	02/09/2016 1940h											
Test Code:	200.8-DIS	Date Prepared:	02/08/2016 1410h											
Cadmium		0.204	mg/L	E200.8	0.0000666	0.000500	0.2000	0.000109	102	75 - 125	0.208	1.94	20	
Selenium		0.217	mg/L	E200.8	0.000310	0.00200	0.2000	0.0238	96.7	75 - 125	0.222	2.40	20	
Uranium		0.213	mg/L	E200.8	0.0000710	0.00200	0.2000	0.021	96.0	75 - 125	0.218	2.36	20	
Vanadium		0.200	mg/L	E200.8	0.000248	0.00440	0.2000	0	100	75 - 125	0.206	3.14	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: 1602107
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: DUP

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1602107-002CDUP Date Analyzed: 02/05/2016 1245h Test Code: TDS-W-2540C													
Total Dissolved Solids	980	mg/L	SM2540C	17.5	20.0					1050	6.71	5	@

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602107
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R87383 Date Analyzed: 02/10/2016 1201h													
Test Code: 300.0-W													
Chloride	5.17	mg/L	E300.0	0.00516	0.100	5.000	0	103	90 - 110				
Sulfate	5.17	mg/L	E300.0	0.0201	0.750	5.000	0	103	90 - 110				
Lab Sample ID: LCS-R87297 Date Analyzed: 02/09/2016 1744h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.975	mg/L	E353.2	0.00833	0.0100	1.000	0	97.5	90 - 110				
Lab Sample ID: LCS-R87250 Date Analyzed: 02/05/2016 1245h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	192	mg/L	SM2540C	8.77	10.0	205.0	0	93.7	80 - 120				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602107
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R87383 Date Analyzed: 02/10/2016 1144h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00516	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0201	0.750								
Lab Sample ID: MB-R87297 Date Analyzed: 02/09/2016 1743h													
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-R87250 Date Analyzed: 02/05/2016 1245h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602107
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1602107-002BMS Date Analyzed: 02/11/2016 853h													
Test Code: 300.0-W													
Chloride	1,050	mg/L	E300.0	1.03	20.0	1,000	47.3	100	90 - 110				
Sulfate	1,420	mg/L	E300.0	4.02	150	1,000	439	98.4	90 - 110				
Lab Sample ID: 1602107-002AMS Date Analyzed: 02/09/2016 1854h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	26.6	mg/L	E353.2	0.167	0.200	20.00	6.51	101	90 - 110				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602107
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1602107-002BMSD Date Analyzed: 02/11/2016 910h													
Test Code: 300.0-W													
Chloride	984	mg/L	E300.0	1.03	20.0	1,000	47.3	93.6	90 - 110	1050	6.22	20	
Sulfate	1,340	mg/L	E300.0	4.02	150	1,000	439	90.3	90 - 110	1420	5.87	20	
Lab Sample ID: 1602107-002AMSD Date Analyzed: 02/09/2016 1855h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	26.0	mg/L	E353.2	0.167	0.200	20.00	6.51	97.7	90 - 110	26.6	2.24	10	

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American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1602107**

Client: Energy Fuels Resources, Inc. Due Date: 2/19/2016

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **1st Quarter Groundwater 2016** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Alkalinity must be run at full volume, use ALK-W-2320B-LL test code. Groundwater project specific DL's: Run NO2/NO3 as a 10X. Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1602107-001A	**MW-12_02042016**	2/4/2016 1010h	2/5/2016 1000h	**200.8-DIS**	Aqueous		df-met	1
				1 SEL Analytes: SE				
				200.8-DIS-PR			df-met	
1602107-002A	**MW-27_02022016**	2/2/2016 1130h	2/5/2016 1000h	**NO2/NO3-W-353.2**	Aqueous		DF-NO2/NO3	1
				1 SEL Analytes: NO3NO2N				
1602107-002B				**300.0-W**			DF-WC	
				2 SEL Analytes: CL SO4				
1602107-002C				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1602107-003A	**MW-28_02022016**	2/2/2016 1045h	2/5/2016 1000h	**200.8-DIS**	Aqueous		df-met	1
				3 SEL Analytes: CD U V				
				200.8-DIS-PR			df-met	
1602107-003B				**300.0-W**			df-cl	
				1 SEL Analytes: CL				
1602107-004A	**MW-32_02032016**	2/3/2016 1240h	2/5/2016 1000h	**300.0-W**	Aqueous		df-cl	1
				1 SEL Analytes: CL				

Printed: 2/5/2016 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed 2/5/16

American West
Analytical Laboratories
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Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

1602107
AWAL Lab Sample Set #
Page 1 of 1

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		2/19

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 2016**
Project #:
PO #:
Sampler Name: **Garrin Palmer**

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)	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	Temp Blank			1	W															
2																				
3	per Garrin																			
4	~~MW-12_020416~~ 02042016	2/4/2016	1010	1	W							X								
5																				
6																				
7																				
8																				
9	MW-27_02022016	2/2/2016	1130	3	W	X		X	X					X						
10	MW-28_02022016	2/2/2016	1045	2	W			X		X	X						X			
11																				
12	MW-32_02032016	2/3/2016	1240	1	W			X												

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 0.4 °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:	Received by: Signature	Date:
Print Name: Garrin Palmer	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date: 2/5/16
Print Name:	Time:	Print Name: Elma Heyes	Time: 1100
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: 160207

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3															
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes		Yes															
NO_2 & NO_3	pH <2 H_2SO_4		Yes																
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: 1st Quarter Groundwater 2016

Dear Garrin Palmer: Lab Set ID: 1602215

American West Analytical Laboratories received sample(s) on 2/12/2016 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou, email=jose@awal-labs.com, c=US
Date: 2016.02.29 10:50:02 -07'00'

Laboratory Director or designee

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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 2016
Lab Set ID: 1602215
Date Received: 2/12/2016 1020h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1602215-001A	MW-01_02102016	2/10/2016	1010h	Aqueous	Anions, E300.0
1602215-002A	MW-15_02042016	2/4/2016	1035h	Aqueous	ICPMS Metals, Dissolved
1602215-003A	MW-18_02092016	2/9/2016	1330h	Aqueous	Anions, E300.0
1602215-003B	MW-18_02092016	2/9/2016	1330h	Aqueous	ICPMS Metals, Dissolved
1602215-003C	MW-18_02092016	2/9/2016	1330h	Aqueous	Total Dissolved Solids, A2540C
1602215-004A	MW-19_02092016	2/9/2016	1540h	Aqueous	Nitrite/Nitrate (as N), E353.2
1602215-005A	MW-29_02102016	2/10/2016	1305h	Aqueous	Anions, E300.0
1602215-005B	MW-29_02102016	2/10/2016	1305h	Aqueous	Total Dissolved Solids, A2540C
1602215-006A	MW-11_02082016	2/8/2016	1345h	Aqueous	Nitrite/Nitrate (as N), E353.2
1602215-006A	MW-11_02082016	2/8/2016	1345h	Aqueous	Ammonia, Aqueous
1602215-006B	MW-11_02082016	2/8/2016	1345h	Aqueous	Anions, E300.0
1602215-006C	MW-11_02082016	2/8/2016	1345h	Aqueous	Total Dissolved Solids, A2540C
1602215-006C	MW-11_02082016	2/8/2016	1345h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1602215-006D	MW-11_02082016	2/8/2016	1345h	Aqueous	Mercury, Drinking Water Dissolved
1602215-006D	MW-11_02082016	2/8/2016	1345h	Aqueous	ICPMS Metals, Dissolved
1602215-006D	MW-11_02082016	2/8/2016	1345h	Aqueous	ICP Metals, Dissolved
1602215-006D	MW-11_02082016	2/8/2016	1345h	Aqueous	Ion Balance
1602215-006E	MW-11_02082016	2/8/2016	1345h	Aqueous	VOA by GC/MS Method 8260C/5030C
1602215-007A	MW-25_02082016	2/8/2016	1250h	Aqueous	Nitrite/Nitrate (as N), E353.2
1602215-007A	MW-25_02082016	2/8/2016	1250h	Aqueous	Ammonia, Aqueous
1602215-007B	MW-25_02082016	2/8/2016	1250h	Aqueous	Anions, E300.0
1602215-007C	MW-25_02082016	2/8/2016	1250h	Aqueous	Total Dissolved Solids, A2540C
1602215-007C	MW-25_02082016	2/8/2016	1250h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1602215-007D	MW-25_02082016	2/8/2016	1250h	Aqueous	ICP Metals, Dissolved
1602215-007D	MW-25_02082016	2/8/2016	1250h	Aqueous	Ion Balance
1602215-007D	MW-25_02082016	2/8/2016	1250h	Aqueous	ICPMS Metals, Dissolved
1602215-007D	MW-25_02082016	2/8/2016	1250h	Aqueous	Mercury, Drinking Water Dissolved
1602215-007E	MW-25_02082016	2/8/2016	1250h	Aqueous	VOA by GC/MS Method 8260C/5030C
1602215-008A	MW-30_02102016	2/10/2016	1025h	Aqueous	Nitrite/Nitrate (as N), E353.2
1602215-008A	MW-30_02102016	2/10/2016	1025h	Aqueous	Ammonia, Aqueous
1602215-008B	MW-30_02102016	2/10/2016	1025h	Aqueous	Anions, E300.0

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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 2016
Lab Set ID: 1602215
Date Received: 2/12/2016 1020h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1602215-008C	MW-30_02102016	2/10/2016	1025h	Aqueous	Total Dissolved Solids, A2540C
1602215-008C	MW-30_02102016	2/10/2016	1025h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1602215-008D	MW-30_02102016	2/10/2016	1025h	Aqueous	Ion Balance
1602215-008D	MW-30_02102016	2/10/2016	1025h	Aqueous	ICPMS Metals, Dissolved
1602215-008D	MW-30_02102016	2/10/2016	1025h	Aqueous	Mercury, Drinking Water Dissolved
1602215-008D	MW-30_02102016	2/10/2016	1025h	Aqueous	ICP Metals, Dissolved
1602215-008E	MW-30_02102016	2/10/2016	1025h	Aqueous	VOA by GC/MS Method 8260C/5030C
1602215-009A	MW-35_02102016	2/10/2016	1135h	Aqueous	Nitrite/Nitrate (as N), E353.2
1602215-009A	MW-35_02102016	2/10/2016	1135h	Aqueous	Ammonia, Aqueous
1602215-009B	MW-35_02102016	2/10/2016	1135h	Aqueous	Anions, E300.0
1602215-009C	MW-35_02102016	2/10/2016	1135h	Aqueous	Total Dissolved Solids, A2540C
1602215-009C	MW-35_02102016	2/10/2016	1135h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1602215-009D	MW-35_02102016	2/10/2016	1135h	Aqueous	ICP Metals, Dissolved
1602215-009D	MW-35_02102016	2/10/2016	1135h	Aqueous	Ion Balance
1602215-009D	MW-35_02102016	2/10/2016	1135h	Aqueous	Mercury, Drinking Water Dissolved
1602215-009D	MW-35_02102016	2/10/2016	1135h	Aqueous	ICPMS Metals, Dissolved
1602215-009E	MW-35_02102016	2/10/2016	1135h	Aqueous	VOA by GC/MS Method 8260C/5030C
1602215-010A	MW-36_02112016	2/11/2016	725h	Aqueous	Nitrite/Nitrate (as N), E353.2
1602215-010A	MW-36_02112016	2/11/2016	725h	Aqueous	Ammonia, Aqueous
1602215-010B	MW-36_02112016	2/11/2016	725h	Aqueous	Anions, E300.0
1602215-010C	MW-36_02112016	2/11/2016	725h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1602215-010C	MW-36_02112016	2/11/2016	725h	Aqueous	Total Dissolved Solids, A2540C
1602215-010D	MW-36_02112016	2/11/2016	725h	Aqueous	ICPMS Metals, Dissolved
1602215-010D	MW-36_02112016	2/11/2016	725h	Aqueous	ICP Metals, Dissolved
1602215-010D	MW-36_02112016	2/11/2016	725h	Aqueous	Ion Balance
1602215-010D	MW-36_02112016	2/11/2016	725h	Aqueous	Mercury, Drinking Water Dissolved
1602215-010E	MW-36_02112016	2/11/2016	725h	Aqueous	VOA by GC/MS Method 8260C/5030C
1602215-011A	MW-65_02112016	2/11/2016	725h	Aqueous	Ammonia, Aqueous
1602215-011A	MW-65_02112016	2/11/2016	725h	Aqueous	Nitrite/Nitrate (as N), E353.2
1602215-011B	MW-65_02112016	2/11/2016	725h	Aqueous	Anions, E300.0

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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 2016
Lab Set ID: 1602215
Date Received: 2/12/2016 1020h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1602215-011C	MW-65_02112016	2/11/2016 725h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1602215-011C	MW-65_02112016	2/11/2016 725h	Aqueous	Total Dissolved Solids, A2540C
1602215-011D	MW-65_02112016	2/11/2016 725h	Aqueous	ICPMS Metals, Dissolved
1602215-011D	MW-65_02112016	2/11/2016 725h	Aqueous	ICP Metals, Dissolved
1602215-011D	MW-65_02112016	2/11/2016 725h	Aqueous	Ion Balance
1602215-011D	MW-65_02112016	2/11/2016 725h	Aqueous	Mercury, Drinking Water Dissolved
1602215-011E	MW-65_02112016	2/11/2016 725h	Aqueous	VOA by GC/MS Method 8260C/5030C
1602215-012A	Trip Blank	2/8/2016	Aqueous	VOA by GC/MS Method 8260C/5030C

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Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Set ID: 1602215

Sample Receipt Information:

Date of Receipt: 2/12/2016
Date(s) of Collection: 2/4 & 2/8-2/11/2016
Sample Condition: Intact
C-O-C Discrepancies: None

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions:

Sample ID	Analyte	QC	Explanation
1602215-006D	Calcium	MS/MSD	High analyte concentration
1602215-006D	Sodium	MS/MSD	High analyte concentration
1602215-006A	Ammonia	MS/MSD	Sample matrix interference
1602215-008A	Nitrate/Nitrite	MS/MSD	High analyte concentration

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

Corrective Action: None required.

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Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	1st Quarter Groundwater 2016
Lab Set ID:	1602215

Sample Receipt Information:

Date of Receipt:	2/12/2016
Date(s) of Collection:	2/4 & 2/8-2/11/2016
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: No target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-41496	Date Analyzed:	02/23/2016 1704h											
Test Code: 200.7-DIS	Date Prepared:	02/15/2016 1253h											
Calcium	9.90	mg/L	E200.7	0.0401	1.00	10.00	0	99.0	85 - 115				
Magnesium	9.85	mg/L	E200.7	0.0294	1.00	10.00	0	98.5	85 - 115				
Potassium	9.66	mg/L	E200.7	0.247	1.00	10.00	0	96.6	85 - 115				
Sodium	9.90	mg/L	E200.7	0.0330	1.00	10.00	0	99.0	85 - 115				
Vanadium	0.189	mg/L	E200.7	0.00116	0.00500	0.2000	0	94.6	85 - 115				
Lab Sample ID: LCS-41497	Date Analyzed:	02/16/2016 1752h											
Test Code: 200.8-DIS	Date Prepared:	02/15/2016 1253h											
Arsenic	0.204	mg/L	E200.8	0.000540	0.00200	0.2000	0	102	85 - 115				
Beryllium	0.196	mg/L	E200.8	0.000177	0.00200	0.2000	0	98.2	85 - 115				
Cadmium	0.195	mg/L	E200.8	0.0000666	0.000500	0.2000	0	97.3	85 - 115				
Chromium	0.190	mg/L	E200.8	0.000998	0.00200	0.2000	0	95.0	85 - 115				
Cobalt	0.187	mg/L	E200.8	0.0000990	0.00400	0.2000	0	93.5	85 - 115				
Copper	0.186	mg/L	E200.8	0.000862	0.00200	0.2000	0	92.9	85 - 115				
Iron	0.950	mg/L	E200.8	0.0274	0.100	1.000	0	95.0	85 - 115				
Lead	0.196	mg/L	E200.8	0.000125	0.00200	0.2000	0	97.8	85 - 115				
Manganese	0.193	mg/L	E200.8	0.000560	0.00200	0.2000	0	96.3	85 - 115				
Nickel	0.187	mg/L	E200.8	0.000522	0.00200	0.2000	0	93.4	85 - 115				
Selenium	0.205	mg/L	E200.8	0.000310	0.00200	0.2000	0	102	85 - 115				
Silver	0.188	mg/L	E200.8	0.000132	0.00200	0.2000	0	94.1	85 - 115				
Thallium	0.189	mg/L	E200.8	0.0000500	0.00200	0.2000	0	94.7	85 - 115				
Tin	0.969	mg/L	E200.8	0.000372	0.00200	1.000	0	96.9	85 - 115				
Uranium	0.200	mg/L	E200.8	0.0000710	0.00200	0.2000	0	100	85 - 115				
Zinc	0.979	mg/L	E200.8	0.00452	0.00500	1.000	0	97.9	85 - 115				
Lab Sample ID: LCS-41497	Date Analyzed:	02/17/2016 1125h											
Test Code: 200.8-DIS	Date Prepared:	02/15/2016 1253h											
Molybdenum	0.201	mg/L	E200.8	0.000202	0.00200	0.2000	0	101	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: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-41510	Date Analyzed:	02/18/2016 1129h											
Test Code: HG-DW-DIS-245.1	Date Prepared:	02/15/2016 1715h											
Mercury	0.00352	mg/L	E245.1	0.00000559	0.000150	0.003330	0	106	85 - 115				

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-41496	Date Analyzed:	02/23/2016 1702h											
Test Code: 200.7-DIS	Date Prepared:	02/15/2016 1253h											
Calcium	< 1.00	mg/L	E200.7	0.0401	1.00								
Magnesium	< 1.00	mg/L	E200.7	0.0294	1.00								
Potassium	< 1.00	mg/L	E200.7	0.247	1.00								
Sodium	< 1.00	mg/L	E200.7	0.0330	1.00								
Vanadium	< 0.00500	mg/L	E200.7	0.00116	0.00500								
Lab Sample ID: MB-41497	Date Analyzed:	02/16/2016 1748h											
Test Code: 200.8-DIS	Date Prepared:	02/15/2016 1253h											
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								
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-41497	Date Analyzed:	02/16/2016 1923h											
Test Code: 200.8-DIS	Date Prepared:	02/15/2016 1253h											
Beryllium	< 0.000500	mg/L	E200.8	0.0000443	0.000500								
Lead	< 0.000500	mg/L	E200.8	0.0000312	0.000500								
Thallium	< 0.000500	mg/L	E200.8	0.0000125	0.000500								
Lab Sample ID: MB-41497	Date Analyzed:	02/16/2016 1958h											
Test Code: 200.8-DIS	Date Prepared:	02/15/2016 1253h											
Uranium	< 0.000200	mg/L	E200.8	0.00000710	0.000200								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MBLK

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**MB-41497**	Date Analyzed:	02/17/2016 1122h											
Test Code:	200.8-DIS	Date Prepared:	02/15/2016 1253h											
Molybdenum		< 0.00200	mg/L	E200.8	0.000202	0.00200								
Lab Sample ID:	**MB-41497**	Date Analyzed:	02/17/2016 1557h											
Test Code:	200.8-DIS	Date Prepared:	02/15/2016 1253h											
Iron		< 0.0250	mg/L	E200.8	0.00685	0.0250								
Lab Sample ID:	**MB-41510**	Date Analyzed:	02/18/2016 1109h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	02/15/2016 1715h											
Mercury		< 0.000150	mg/L	E245.1	0.00000559	0.000150								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1602215-006DMS**	Date Analyzed:	02/23/2016 1714h											
Test Code:	200.7-DIS	Date Prepared:	02/15/2016 1253h											
Calcium		104	mg/L	E200.7	0.802	20.0	10.00	100	41.7	70 - 130				2
Magnesium		39.7	mg/L	E200.7	0.588	20.0	10.00	31.8	78.6	70 - 130				
Lab Sample ID:	**1602215-006DMS**	Date Analyzed:	02/23/2016 1807h											
Test Code:	200.7-DIS	Date Prepared:	02/15/2016 1253h											
Sodium		648	mg/L	E200.7	1.32	40.0	10.00	582	668	70 - 130				2
Lab Sample ID:	**1602215-006DMS**	Date Analyzed:	02/23/2016 1835h											
Test Code:	200.7-DIS	Date Prepared:	02/15/2016 1253h											
Potassium		16.6	mg/L	E200.7	0.247	1.00	10.00	7.02	96.1	70 - 130				
Vanadium		0.189	mg/L	E200.7	0.00116	0.00500	0.2000	0	94.4	70 - 130				
Lab Sample ID:	**1602215-006DMS**	Date Analyzed:	02/16/2016 1807h											
Test Code:	200.8-DIS	Date Prepared:	02/15/2016 1253h											
Arsenic		0.211	mg/L	E200.8	0.000540	0.00200	0.2000	0	106	75 - 125				
Beryllium		0.189	mg/L	E200.8	0.000177	0.00200	0.2000	0	94.7	75 - 125				
Cadmium		0.191	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000655	95.7	75 - 125				
Chromium		0.188	mg/L	E200.8	0.000998	0.00200	0.2000	0	94.0	75 - 125				
Cobalt		0.186	mg/L	E200.8	0.0000990	0.00400	0.2000	0.000917	92.5	75 - 125				
Copper		0.179	mg/L	E200.8	0.000862	0.00200	0.2000	0	89.5	75 - 125				
Iron		1.00	mg/L	E200.8	0.0274	0.100	1.000	0.0694	93.2	75 - 125				
Lead		0.188	mg/L	E200.8	0.000125	0.00200	0.2000	0	93.9	75 - 125				
Manganese		0.399	mg/L	E200.8	0.000560	0.00200	0.2000	0.217	90.9	75 - 125				
Nickel		0.186	mg/L	E200.8	0.000522	0.00200	0.2000	0.00114	92.5	75 - 125				
Selenium		0.206	mg/L	E200.8	0.000310	0.00200	0.2000	0	103	75 - 125				
Silver		0.180	mg/L	E200.8	0.000132	0.00200	0.2000	0	90.0	75 - 125				
Thallium		0.182	mg/L	E200.8	0.0000500	0.00200	0.2000	0	90.8	75 - 125				
Tin		0.997	mg/L	E200.8	0.000372	0.00200	1.000	0	99.7	75 - 125				
Uranium		0.199	mg/L	E200.8	0.0000710	0.00200	0.2000	0.00116	98.7	75 - 125				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1602215-006DMS**	Date Analyzed:	02/16/2016 1807h											
Test Code:	200.8-DIS	Date Prepared:	02/15/2016 1253h											
Zinc		0.983	mg/L	E200.8	0.00452	0.00500	1.000	0.0055	97.7	75 - 125				
Lab Sample ID:	**1602215-006DMS**	Date Analyzed:	02/17/2016 1131h											
Test Code:	200.8-DIS	Date Prepared:	02/15/2016 1253h											
Molybdenum		0.209	mg/L	E200.8	0.000202	0.00200	0.2000	0.00248	103	75 - 125				
Lab Sample ID:	**1602215-006DMS**	Date Analyzed:	02/18/2016 1140h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	02/15/2016 1715h											
Mercury		0.00340	mg/L	E245.1	0.00000559	0.000150	0.003330	0	102	85 - 115				

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

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MSD

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1602215-006DMSD**	Date Analyzed:	02/23/2016 1716h											
Test Code:	200.7-DIS	Date Prepared:	02/15/2016 1253h											
Calcium		106	mg/L	E200.7	0.802	20.0	10.00	100	55.5	70 - 130	104	1.31	20	2
Magnesium		40.3	mg/L	E200.7	0.588	20.0	10.00	31.8	85.1	70 - 130	39.7	1.63	20	
Lab Sample ID:	**1602215-006DMSD**	Date Analyzed:	02/23/2016 1810h											
Test Code:	200.7-DIS	Date Prepared:	02/15/2016 1253h											
Sodium		616	mg/L	E200.7	1.32	40.0	10.00	582	348	70 - 130	648	5.06	20	2
Lab Sample ID:	**1602215-006DMSD**	Date Analyzed:	02/23/2016 1837h											
Test Code:	200.7-DIS	Date Prepared:	02/15/2016 1253h											
Potassium		16.7	mg/L	E200.7	0.247	1.00	10.00	7.02	96.8	70 - 130	16.6	0.379	20	
Vanadium		0.190	mg/L	E200.7	0.00116	0.00500	0.2000	0	94.8	70 - 130	0.189	0.363	20	
Lab Sample ID:	**1602215-006DMSD**	Date Analyzed:	02/16/2016 1810h											
Test Code:	200.8-DIS	Date Prepared:	02/15/2016 1253h											
Arsenic		0.210	mg/L	E200.8	0.000540	0.00200	0.2000	0	105	75 - 125	0.211	0.803	20	
Beryllium		0.189	mg/L	E200.8	0.000177	0.00200	0.2000	0	94.4	75 - 125	0.189	0.260	20	
Cadmium		0.192	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000655	96.2	75 - 125	0.191	0.498	20	
Chromium		0.191	mg/L	E200.8	0.000998	0.00200	0.2000	0	95.3	75 - 125	0.188	1.34	20	
Cobalt		0.188	mg/L	E200.8	0.0000990	0.00400	0.2000	0.000917	93.5	75 - 125	0.186	1.09	20	
Copper		0.183	mg/L	E200.8	0.000862	0.00200	0.2000	0	91.3	75 - 125	0.179	2.02	20	
Iron		1.02	mg/L	E200.8	0.0274	0.100	1.000	0.0694	94.8	75 - 125	1	1.61	20	
Lead		0.186	mg/L	E200.8	0.000125	0.00200	0.2000	0	93.0	75 - 125	0.188	0.981	20	
Manganese		0.404	mg/L	E200.8	0.000560	0.00200	0.2000	0.217	93.5	75 - 125	0.399	1.28	20	
Nickel		0.189	mg/L	E200.8	0.000522	0.00200	0.2000	0.00114	93.9	75 - 125	0.186	1.53	20	
Selenium		0.204	mg/L	E200.8	0.000310	0.00200	0.2000	0	102	75 - 125	0.206	1.29	20	
Silver		0.181	mg/L	E200.8	0.000132	0.00200	0.2000	0	90.7	75 - 125	0.18	0.754	20	
Thallium		0.182	mg/L	E200.8	0.0000500	0.00200	0.2000	0	91.0	75 - 125	0.182	0.211	20	
Tin		1.00	mg/L	E200.8	0.000372	0.00200	1.000	0	100	75 - 125	0.997	0.231	20	
Uranium		0.196	mg/L	E200.8	0.0000710	0.00200	0.2000	0.00116	97.2	75 - 125	0.199	1.49	20	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MSD

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1602215-006DMSD**	Date Analyzed:	02/16/2016 1810h											
Test Code:	200.8-DIS	Date Prepared:	02/15/2016 1253h											
Zinc		0.981	mg/L	E200.8	0.00452	0.00500	1.000	0.0055	97.6	75 - 125	0.983	0.134	20	
Lab Sample ID:	**1602215-006DMSD**	Date Analyzed:	02/17/2016 1134h											
Test Code:	200.8-DIS	Date Prepared:	02/15/2016 1253h											
Molybdenum		0.211	mg/L	E200.8	0.000202	0.00200	0.2000	0.00248	104	75 - 125	0.209	0.895	20	
Lab Sample ID:	**1602215-006DMSD**	Date Analyzed:	02/18/2016 1142h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	02/15/2016 1715h											
Mercury		0.00353	mg/L	E245.1	0.00000559	0.000150	0.003330	0	106	85 - 115	0.0034	3.66	20	

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: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: DUP

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1602215-003CDUP Date Analyzed: 02/12/2016 1300h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	3,140	mg/L	SM2540C	17.5	20.0					3130	0.383	5	

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R87451 Date Analyzed: 02/15/2016 1214h													
Test Code: 300.0-W													
Chloride	5.12	mg/L	E300.0	0.00516	0.100	5.000	0	102	90 - 110				
Fluoride	4.99	mg/L	E300.0	0.0139	0.100	5.000	0	99.8	90 - 110				
Sulfate	5.17	mg/L	E300.0	0.0201	0.750	5.000	0	103	90 - 110				
Lab Sample ID: LCS-R87449 Date Analyzed: 02/16/2016 808h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	49,100	mg/L	SM2320B	0.504	1.00	50,000	0	98.3	90 - 110				
Lab Sample ID: LCS-41518 Date Analyzed: 02/16/2016 1727h													
Test Code: NH3-W-350.1 Date Prepared: 02/16/2016 1400h													
Ammonia (as N)	9.41	mg/L	E350.1	0.0185	0.0500	10.00	0	94.1	90 - 110				
Lab Sample ID: LCS-41613 Date Analyzed: 02/22/2016 1558h													
Test Code: NH3-W-350.1 Date Prepared: 02/22/2016 1300h													
Ammonia (as N)	9.36	mg/L	E350.1	0.0185	0.0500	10.00	0	93.6	90 - 110				
Lab Sample ID: LCS-R87400 Date Analyzed: 02/12/2016 1620h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.00	mg/L	E353.2	0.00833	0.0100	1.000	0	100	90 - 110				
Lab Sample ID: LCS-R87786 Date Analyzed: 02/26/2016 1328h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.977	mg/L	E353.2	0.00833	0.0100	1.000	0	97.7	90 - 110				
Lab Sample ID: LCS-R87434 Date Analyzed: 02/12/2016 1300h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	206	mg/L	SM2540C	8.77	10.0	205.0	0	100	80 - 120				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R87451	Date Analyzed:	02/15/2016 1157h											
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-R87449	Date Analyzed:	02/16/2016 808h											
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-41518	Date Analyzed:	02/16/2016 1727h											
Test Code: NH3-W-350.1	Date Prepared:	02/16/2016 1400h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-41613	Date Analyzed:	02/22/2016 1557h											
Test Code: NH3-W-350.1	Date Prepared:	02/22/2016 1300h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-R87400	Date Analyzed:	02/12/2016 1619h											
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-R87786	Date Analyzed:	02/26/2016 1327h											
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-R87434	Date Analyzed:	02/12/2016 1300h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1602215-006BMS Date Analyzed: 02/15/2016 1321h													
Test Code: 300.0-W													
Chloride	10,200	mg/L	E300.0	10.3	200	10,000	34	102	90 - 110				
Fluoride	10,300	mg/L	E300.0	27.8	200	10,000	0	103	90 - 110				
Sulfate	11,200	mg/L	E300.0	40.2	1,500	10,000	1160	100	90 - 110				
Lab Sample ID: 1602215-006CMS Date Analyzed: 02/16/2016 808h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	368	mg/L	SM2320B	0.504	1.00	50.00	320	94.6	80 - 120				
Lab Sample ID: 1602215-006AMS Date Analyzed: 02/16/2016 1727h													
Test Code: NH3-W-350.1 Date Prepared: 02/16/2016 1400h													
Ammonia (as N)	14.7	mg/L	E350.1	0.0206	0.0556	11.11	1.13	122	90 - 110				[1]
Lab Sample ID: 1602215-011AMS Date Analyzed: 02/22/2016 1600h													
Test Code: NH3-W-350.1 Date Prepared: 02/22/2016 1300h													
Ammonia (as N)	12.2	mg/L	E350.1	0.0206	0.0556	11.11	0.0668	109	90 - 110				
Lab Sample ID: 1602215-006AMS Date Analyzed: 02/12/2016 1629h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.931	mg/L	E353.2	0.00833	0.100	1.000	0	93.1	90 - 110				
Lab Sample ID: 1602215-008AMS Date Analyzed: 02/26/2016 1349h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	79.2	mg/L	E353.2	0.417	0.500	50.00	20	118	90 - 110				[2]

[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.*

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: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1602215-006BMSD Date Analyzed: 02/15/2016 1338h													
Test Code: 300.0-W													
Chloride	10,500	mg/L	E300.0	10.3	200	10,000	34	105	90 - 110	10200	2.48	20	
Fluoride	10,300	mg/L	E300.0	27.8	200	10,000	0	103	90 - 110	10300	0.370	20	
Sulfate	11,300	mg/L	E300.0	40.2	1,500	10,000	1160	101	90 - 110	11200	0.516	20	
Lab Sample ID: 1602215-006CMSD Date Analyzed: 02/16/2016 808h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	370	mg/L	SM2320B	0.504	1.00	50.00	320	98.4	80 - 120	368	0.516	10	
Lab Sample ID: 1602215-006AMSD Date Analyzed: 02/16/2016 1727h													
Test Code: NH3-W-350.1 Date Prepared: 02/16/2016 1400h													
Ammonia (as N)	14.7	mg/L	E350.1	0.0206	0.0556	11.11	1.13	122	90 - 110	14.7	0.0614	10	[1]
Lab Sample ID: 1602215-011AMSD Date Analyzed: 02/22/2016 1601h													
Test Code: NH3-W-350.1 Date Prepared: 02/22/2016 1300h													
Ammonia (as N)	12.2	mg/L	E350.1	0.0206	0.0556	11.11	0.0668	109	90 - 110	12.2	0.369	10	
Lab Sample ID: 1602215-006AMSD Date Analyzed: 02/12/2016 1650h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.945	mg/L	E353.2	0.00833	0.100	1.000	0	94.5	90 - 110	0.931	1.47	10	
Lab Sample ID: 1602215-008AMSD Date Analyzed: 02/26/2016 1350h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	79.6	mg/L	E353.2	0.417	0.500	50.00	20	119	90 - 110	79.2	0.517	10	[2]

[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.

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: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS VOC-1 021216A Date Analyzed: 02/12/2016 712h													
Test Code: 8260-W-DEN100													
Benzene	21.6	µg/L	SW8260C	0.270	1.00	20.00	0	108	82 - 132				
Chloroform	21.1	µg/L	SW8260C	0.153	1.00	20.00	0	106	85 - 124				
Methylene chloride	20.9	µg/L	SW8260C	0.172	1.00	20.00	0	105	81 - 135				
Naphthalene	18.8	µg/L	SW8260C	0.587	1.00	20.00	0	94.2	63 - 129				
Tetrahydrofuran	17.9	µg/L	SW8260C	0.516	1.00	20.00	0	89.3	59 - 120				
Toluene	21.0	µg/L	SW8260C	0.183	1.00	20.00	0	105	78 - 130				
Xylenes, Total	63.7	µg/L	SW8260C	0.857	1.00	60.00	0	106	70 - 138				
Surr: 1,2-Dichloroethane-d4	50.9	µg/L	SW8260C			50.00		102	80 - 122				
Surr: 4-Bromofluorobenzene	50.0	µg/L	SW8260C			50.00		100	85 - 121				
Surr: Dibromofluoromethane	50.9	µg/L	SW8260C			50.00		102	80 - 116				
Surr: Toluene-d8	49.6	µg/L	SW8260C			50.00		99.1	81 - 123				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB VOC-1 021216A Date Analyzed: 02/12/2016 751h													
Test Code: 8260-W-DEN100													
2-Butanone	< 20.0	µg/L	SW8260C	4.11	20.0								
Acetone	< 20.0	µg/L	SW8260C	1.70	20.0								
Benzene	< 1.00	µg/L	SW8260C	0.270	1.00								
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.504	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.153	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.163	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.172	1.00								
Naphthalene	< 1.00	µg/L	SW8260C	0.587	1.00								
Tetrahydrofuran	< 1.00	µg/L	SW8260C	0.516	1.00								
Toluene	< 1.00	µg/L	SW8260C	0.183	1.00								
Xylenes, Total	< 1.00	µg/L	SW8260C	0.857	1.00								
Surr: 1,2-Dichloroethane-d4	53.5	µg/L	SW8260C			50.00		107	80 - 122				
Surr: 4-Bromofluorobenzene	52.6	µg/L	SW8260C			50.00		105	85 - 121				
Surr: Dibromofluoromethane	51.8	µg/L	SW8260C			50.00		104	80 - 116				
Surr: Toluene-d8	50.4	µg/L	SW8260C			50.00		101	81 - 123				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1602215-006EMS Date Analyzed: 02/12/2016 1509h													
Test Code: 8260-W-DEN100													
Benzene	21.4	µg/L	SW8260C	0.270	1.00	20.00	0	107	66 - 145				
Chloroform	21.0	µg/L	SW8260C	0.153	1.00	20.00	0	105	50 - 146				
Methylene chloride	20.8	µg/L	SW8260C	0.172	1.00	20.00	0	104	30 - 192				
Naphthalene	17.2	µg/L	SW8260C	0.587	1.00	20.00	0	86.2	41 - 131				
Tetrahydrofuran	15.9	µg/L	SW8260C	0.516	1.00	20.00	0	79.6	43 - 146				
Toluene	20.3	µg/L	SW8260C	0.183	1.00	20.00	0	101	18 - 192				
Xylenes, Total	62.2	µg/L	SW8260C	0.857	1.00	60.00	0	104	42 - 167				
Surr: 1,2-Dichloroethane-d4	53.4	µg/L	SW8260C			50.00		107	72 - 151				
Surr: 4-Bromofluorobenzene	50.7	µg/L	SW8260C			50.00		101	80 - 152				
Surr: Dibromofluoromethane	52.0	µg/L	SW8260C			50.00		104	80 - 124				
Surr: Toluene-d8	50.2	µg/L	SW8260C			50.00		100	77 - 129				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602215
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1602215-006EMSD Date Analyzed: 02/12/2016 1529h													
Test Code: 8260-W-DEN100													
Benzene	20.4	µg/L	SW8260C	0.270	1.00	20.00	0	102	66 - 145	21.4	4.88	25	
Chloroform	20.2	µg/L	SW8260C	0.153	1.00	20.00	0	101	50 - 146	21	4.08	25	
Methylene chloride	20.2	µg/L	SW8260C	0.172	1.00	20.00	0	101	30 - 192	20.8	2.73	25	
Naphthalene	17.0	µg/L	SW8260C	0.587	1.00	20.00	0	85.2	41 - 131	17.3	1.22	25	
Tetrahydrofuran	18.0	µg/L	SW8260C	0.516	1.00	20.00	0	90.3	43 - 146	15.9	12.6	25	
Toluene	19.6	µg/L	SW8260C	0.183	1.00	20.00	0	98.2	18 - 192	20.3	3.21	25	
Xylenes, Total	59.1	µg/L	SW8260C	0.857	1.00	60.00	0	98.5	42 - 167	62.2	5.08	25	
Surr: 1,2-Dichloroethane-d4	52.5	µg/L	SW8260C			50.00		105	72 - 151				
Surr: 4-Bromofluorobenzene	49.0	µg/L	SW8260C			50.00		98.1	80 - 152				
Surr: Dibromofluoromethane	51.5	µg/L	SW8260C			50.00		103	80 - 124				
Surr: Toluene-d8	49.3	µg/L	SW8260C			50.00		98.6	77 - 129				

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UL
Denison

WORK ORDER Summary

Work Order: **1602215**

Client: Energy Fuels Resources, Inc. Due Date: 2/26/2016

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **1st Quarter Groundwater 2016** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Alkalinity must be run at full volume, use ALK-W-2320B-LL test code. Groundwater project specific DL's: Run NO2/NO3 as a 10X. Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1602215-001A	**MW-01_02102016**	2/10/2016 1010h	2/12/2016 1020h	**300.0-W**	Aqueous		df - wc	1
				2 SEL Analytes: CL SO4				
1602215-002A	**MW-15_02042016**	2/4/2016 1035h	2/12/2016 1020h	**200.8-DIS**	Aqueous		df - dismetals	1
				1 SEL Analytes: SE				
				200.8-DIS-PR			df - dismetals	
1602215-003A	**MW-18_02092016**	2/9/2016 1330h	2/12/2016 1020h	**300.0-W**	Aqueous		df - wc	1
				1 SEL Analytes: SO4				
1602215-003B				**200.8-DIS**			df - dismetals	
				1 SEL Analytes: TL				
				200.8-DIS-PR			df - dismetals	
1602215-003C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
1602215-004A	**MW-19_02092016**	2/9/2016 1540h	2/12/2016 1020h	**NO2/NO3-W-353.2**	Aqueous		df - no2/no3	1
				1 SEL Analytes: NO3NO2N				
1602215-005A	**MW-29_02102016**	2/10/2016 1305h	2/12/2016 1020h	**300.0-W**	Aqueous		df - wc	1
				1 SEL Analytes: SO4				
1602215-005B				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
1602215-006A	**MW-11_02082016**	2/8/2016 1345h	2/12/2016 1020h	**NH3-W-350.1**	Aqueous		df - no2/no3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3	
				NO2/NO3-W-353.2			df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1602215-006B				**300.0-W**			df - wc	
				3 SEL Analytes: CL F SO4				
1602215-006C				**ALK-W-2320B-LL**			df - tds	
				2 SEL Analytes: ALKB ALKC				
				TDS-W-2540C			df - tds	
				1 SEL Analytes: TDS				

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WORK ORDER Summary

Work Order: **1602215**

Client: Energy Fuels Resources, Inc. Due Date: 2/26/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1602215-006D	**MW-11_02082016**	2/8/2016 1345h	2/12/2016 1020h	**200.7-DIS**	Aqueous		df - dismetals	1
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df - dismetals	
				200.8-DIS			df - dismetals	
				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 - dismetals	
				HG-DW-DIS-245.1			df - dismetals	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df - dismetals	
				IONBALANCE			df - dismetals	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1602215-006E				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1602215-007A	**MW-25_02082016**	2/8/2016 1250h	2/12/2016 1020h	**NH3-W-350.1**	Aqueous		df - no2/no3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3	
				NO2/NO3-W-353.2			df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1602215-007B				**300.0-W**			df - wc	
				3 SEL Analytes: CL F SO4				
1602215-007C				**ALK-W-2320B-LL**			df - tds	
				2 SEL Analytes: ALKB ALKC				
				TDS-W-2540C			df - tds	
				1 SEL Analytes: TDS				
1602215-007D				**200.7-DIS**			df - dismetals	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df - dismetals	
				200.8-DIS			df - dismetals	
				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 - dismetals	
				HG-DW-DIS-245.1			df - dismetals	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df - dismetals	
				IONBALANCE			df - dismetals	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1602215-007E				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				

WORK ORDER Summary

Work Order: **1602215**

Client: Energy Fuels Resources, Inc. Due Date: 2/26/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1602215-008A	**MW-30_02102016**	2/10/2016 1025h	2/12/2016 1020h	**NH3-W-350.1**	Aqueous		df - no2/no3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3	
				NO2/NO3-W-353.2			df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1602215-008B				**300.0-W**			df - wc	
				3 SEL Analytes: CL F SO4				
1602215-008C				**ALK-W-2320B-LL**			df - tds	
				2 SEL Analytes: ALKB ALKC				
				TDS-W-2540C			df - tds	
				1 SEL Analytes: TDS				
1602215-008D				**200.7-DIS**			df - dismetals	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df - dismetals	
				200.8-DIS			df - dismetals	
				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 - dismetals	
				HG-DW-DIS-245.1			df - dismetals	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df - dismetals	
				IONBALANCE			df - dismetals	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1602215-008E				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1602215-009A	**MW-35_02102016**	2/10/2016 1135h	2/12/2016 1020h	**NH3-W-350.1**	Aqueous		df - no2/no3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3	
				NO2/NO3-W-353.2			df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1602215-009B				**300.0-W**			df - wc	
				3 SEL Analytes: CL F SO4				
1602215-009C				**ALK-W-2320B-LL**			df - tds	
				2 SEL Analytes: ALKB ALKC				
				TDS-W-2540C			df - tds	
				1 SEL Analytes: TDS				
1602215-009D				**200.7-DIS**			df - dismetals	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df - dismetals	

WORK ORDER Summary

Work Order: **1602215**

Client: Energy Fuels Resources, Inc. Due Date: 2/26/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1602215-009D	**MW-35_02102016**	2/10/2016 1135h	2/12/2016 1020h	**200.8-DIS**	Aqueous		df - dismetals	1
				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 - dismetals	
				HG-DW-DIS-245.1			df - dismetals	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df - dismetals	
				IONBALANCE			df - dismetals	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1602215-009E				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1602215-010A	**MW-36_02112016**	2/11/2016 0725h	2/12/2016 1020h	**NH3-W-350.1**	Aqueous		df - no2/no3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3	
				NO2/NO3-W-353.2			df - no2/no3	
				1 SEL Analytes: NO3NO2N				
1602215-010B				**300.0-W**			df - wc	
				3 SEL Analytes: CL F SO4				
1602215-010C				**ALK-W-2320B-LL**			df - tds	
				2 SEL Analytes: ALKB ALKC				
				TDS-W-2540C			df - tds	
				1 SEL Analytes: TDS				
1602215-010D				**200.7-DIS**			df - dismetals	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df - dismetals	
				200.8-DIS			df - dismetals	
				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 - dismetals	
				HG-DW-DIS-245.1			df - dismetals	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df - dismetals	
				IONBALANCE			df - dismetals	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1602215-010E				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1602215-011A	**MW-65_02112016**	2/11/2016 0725h	2/12/2016 1020h	**NH3-W-350.1**	Aqueous		df - no2/no3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR			df - no2/no3	

WORK ORDER Summary

Work Order: **1602215**

Client: Energy Fuels Resources, Inc. Due Date: 2/26/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1602215-011A	**MW-65_02112016**	2/11/2016 0725h	2/12/2016 1020h	**NO2/NO3-W-353.2**	Aqueous		df - no2/no3	1
				1 SEL Analytes: NO3NO2N				
1602215-011B				**300.0-W**			df - wc	
				3 SEL Analytes: CL F SO4				
1602215-011C				**ALK-W-2320B-LL**			df - tds	
				2 SEL Analytes: ALKB ALKC				
				TDS-W-2540C			df - tds	
				1 SEL Analytes: TDS				
1602215-011D				**200.7-DIS**			df - dismetals	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			df - dismetals	
				200.8-DIS			df - dismetals	
				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 - dismetals	
				HG-DW-DIS-245.1			df - dismetals	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			df - dismetals	
				IONBALANCE			df - dismetals	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1602215-011E				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1602215-012A	**Trip Blank**	2/8/2016	2/12/2016 1020h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				

American West Analytical Laboratories

463 W. 3600 S. Salt Lake City, UT 84115
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www.awal-labs.com

CHAIN OF CUSTODY

1602215
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 2016**
Project #:
PO #:
Sampler Name: **TANNER HOLLIDAY**

X Include EDD:
LOCUS UPLOAD EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

Known Hazards & Sample Comments

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Dissolved Manganese (200.7/200.8)	Cl (4500 or 300.0)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Dissolved Thallium (200.7/200.8)	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	MW-01_02102016	2/10/2016	1010	1	W			X						X						
2																				
3																				
4																				
5	MW-15_02042016	2/4/2016	1035	1	W							X								
3	MW-18_02092016	2/9/2016	1330	3	W				X				X	X						
4	MW-19_02092016	2/9/2016	1540	1	W	X														
8																				
9																				
10																				
5	MW-29_02102016	2/10/2016	1305	2	W				X					X						
12																				

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 3-8 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature / Print Name	Date: / Time:	Received by: Signature / Print Name	Date: / Time:
Tanner Holliday / TANNER HOLLIDAY	2/11/2016 1230		
		Elena Hayes	2/12/16 1020

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

American West Analytical Laboratories

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CHAIN OF CUSTODY

1602215
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 2016**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	Known Hazards & Sample Comments
6	MW-11_02082016	2/8/2016	1345	7	w	x	x	x	x	x	x	x	x	x	x	
7	MW-25_02082016	2/8/2016	1250	7	w	x	x	x	x	x	x	x	x	x	x	
8	MW-30_02102016	2/10/2016	1025	7	w	x	x	x	x	x	x	x	x	x	x	
9	MW-35_02102016	2/10/2016	1135	7	w	x	x	x	x	x	x	x	x	x	x	
10	MW-36_02112016	2/11/2016	725	7	w	x	x	x	x	x	x	x	x	x	x	
6	MW-65_02112016	2/11/2016	725	7	w	x	x	x	x	x	x	x	x	x	x	
2	TRIP BLANK	2/8/2016		3	w										x	
8	TEMP BLANK	2/11/2016		1	w											
9																
10																
11																
12																

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 3.8 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name: TANNER HOLLIDAY	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date: 2/12/16
Print Name:	Time:	Print Name: Elma Hayes	Time: 1020
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 1602215

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	2	3	4	6	7	8	9	10	11									
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	Yes									
NO_2 & NO_3	pH <2 H_2SO_4			Yes	Yes	Yes	Yes	Yes	Yes	Yes									
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

American West
ANALYTICAL LABORATORIES

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

RE: 1st Quarter Groundwater 2016

Dear Garrin Palmer: Lab Set ID: 1602301

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories received sample(s) on 2/18/2016 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou, email=jose@awal-labs.com, c=US
Date: 2016.03.09 14:26:15 -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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ANALYTICAL LABORATORIES

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Set ID: 1602301
Date Received: 2/18/2016 854h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1602301-001A	MW-03A_02162016	2/16/2016 800h	Aqueous	ICPMS Metals, Dissolved
1602301-001B	MW-03A_02162016	2/16/2016 800h	Aqueous	Anions, E300.0
1602301-001C	MW-03A_02162016	2/16/2016 800h	Aqueous	Nitrite/Nitrate (as N), E353.2
1602301-001D	MW-03A_02162016	2/16/2016 800h	Aqueous	Total Dissolved Solids, A2540C
1602301-002A	MW-05_02152016	2/15/2016 1055h	Aqueous	ICPMS Metals, Dissolved
1602301-003A	MW-24_02172016	2/17/2016 715h	Aqueous	ICPMS Metals, Dissolved
1602301-003B	MW-24_02172016	2/17/2016 715h	Aqueous	Anions, E300.0
1602301-004A	MW-03_02162016	2/16/2016 1030h	Aqueous	ICPMS Metals, Dissolved
1602301-004A	MW-03_02162016	2/16/2016 1030h	Aqueous	Mercury, Drinking Water Dissolved
1602301-004A	MW-03_02162016	2/16/2016 1030h	Aqueous	ICP Metals, Dissolved
1602301-004A	MW-03_02162016	2/16/2016 1030h	Aqueous	Ion Balance
1602301-004B	MW-03_02162016	2/16/2016 1030h	Aqueous	Nitrite/Nitrate (as N), E353.2
1602301-004B	MW-03_02162016	2/16/2016 1030h	Aqueous	Ammonia, Aqueous
1602301-004C	MW-03_02162016	2/16/2016 1030h	Aqueous	Anions, E300.0
1602301-004C	MW-03_02162016	2/16/2016 1030h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1602301-004D	MW-03_02162016	2/16/2016 1030h	Aqueous	Total Dissolved Solids, A2540C
1602301-004E	MW-03_02162016	2/16/2016 1030h	Aqueous	VOA by GC/MS Method 8260C/5030C
1602301-005A	MW-14_02152016	2/15/2016 1345h	Aqueous	ICPMS Metals, Dissolved
1602301-005A	MW-14_02152016	2/15/2016 1345h	Aqueous	Mercury, Drinking Water Dissolved
1602301-005A	MW-14_02152016	2/15/2016 1345h	Aqueous	ICP Metals, Dissolved
1602301-005A	MW-14_02152016	2/15/2016 1345h	Aqueous	Ion Balance
1602301-005B	MW-14_02152016	2/15/2016 1345h	Aqueous	Nitrite/Nitrate (as N), E353.2
1602301-005B	MW-14_02152016	2/15/2016 1345h	Aqueous	Ammonia, Aqueous
1602301-005C	MW-14_02152016	2/15/2016 1345h	Aqueous	Anions, E300.0
1602301-005C	MW-14_02152016	2/15/2016 1345h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1602301-005D	MW-14_02152016	2/15/2016 1345h	Aqueous	Total Dissolved Solids, A2540C
1602301-005E	MW-14_02152016	2/15/2016 1345h	Aqueous	VOA by GC/MS Method 8260C/5030C
1602301-006A	MW-26_02162016	2/16/2016 1400h	Aqueous	Mercury, Drinking Water Dissolved
1602301-006A	MW-26_02162016	2/16/2016 1400h	Aqueous	ICP Metals, Dissolved
1602301-006A	MW-26_02162016	2/16/2016 1400h	Aqueous	Ion Balance

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

American West
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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Set ID: 1602301
Date Received: 2/18/2016 854h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1602301-006A	MW-26_02162016	2/16/2016	1400h	Aqueous	ICPMS Metals, Dissolved
1602301-006B	MW-26_02162016	2/16/2016	1400h	Aqueous	Nitrite/Nitrate (as N), E353.2
1602301-006B	MW-26_02162016	2/16/2016	1400h	Aqueous	Ammonia, Aqueous
1602301-006C	MW-26_02162016	2/16/2016	1400h	Aqueous	Anions, E300.0
1602301-006C	MW-26_02162016	2/16/2016	1400h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1602301-006D	MW-26_02162016	2/16/2016	1400h	Aqueous	Total Dissolved Solids, A2540C
1602301-006E	MW-26_02162016	2/16/2016	1400h	Aqueous	VOA by GC/MS Method 8260C/5030C
1602301-007A	MW-31_02152016	2/15/2016	1415h	Aqueous	ICPMS Metals, Dissolved
1602301-007A	MW-31_02152016	2/15/2016	1415h	Aqueous	Mercury, Drinking Water Dissolved
1602301-007A	MW-31_02152016	2/15/2016	1415h	Aqueous	ICP Metals, Dissolved
1602301-007A	MW-31_02152016	2/15/2016	1415h	Aqueous	Ion Balance
1602301-007B	MW-31_02152016	2/15/2016	1415h	Aqueous	Ammonia, Aqueous
1602301-007B	MW-31_02152016	2/15/2016	1415h	Aqueous	Nitrite/Nitrate (as N), E353.2
1602301-007C	MW-31_02152016	2/15/2016	1415h	Aqueous	Anions, E300.0
1602301-007C	MW-31_02152016	2/15/2016	1415h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1602301-007D	MW-31_02152016	2/15/2016	1415h	Aqueous	Total Dissolved Solids, A2540C
1602301-007E	MW-31_02152016	2/15/2016	1415h	Aqueous	VOA by GC/MS Method 8260C/5030C
1602301-008A	MW-70_02152016	2/15/2016	1345h	Aqueous	ICPMS Metals, Dissolved
1602301-008A	MW-70_02152016	2/15/2016	1345h	Aqueous	Mercury, Drinking Water Dissolved
1602301-008A	MW-70_02152016	2/15/2016	1345h	Aqueous	ICP Metals, Dissolved
1602301-008A	MW-70_02152016	2/15/2016	1345h	Aqueous	Ion Balance
1602301-008B	MW-70_02152016	2/15/2016	1345h	Aqueous	Nitrite/Nitrate (as N), E353.2
1602301-008B	MW-70_02152016	2/15/2016	1345h	Aqueous	Ammonia, Aqueous
1602301-008C	MW-70_02152016	2/15/2016	1345h	Aqueous	Anions, E300.0
1602301-008C	MW-70_02152016	2/15/2016	1345h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1602301-008D	MW-70_02152016	2/15/2016	1345h	Aqueous	Total Dissolved Solids, A2540C
1602301-008E	MW-70_02152016	2/15/2016	1345h	Aqueous	VOA by GC/MS Method 8260C/5030C
1602301-009A	Trip Blank	2/15/2016		Aqueous	VOA by GC/MS Method 8260C/5030C

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Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	1st Quarter Groundwater 2016
Lab Set ID:	1602301

Sample Receipt Information:

Date of Receipt:	2/18/2016
Date(s) of Collection:	2/15 – 2/17/2016
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions:

Sample ID	Analyte	QC	Explanation
1602301-004A	Calcium	MS/MSD	High analyte concentrations
1602301-004A	Magnesium	MSD	High analyte concentrations
1602301-004A	Manganese	MS	High analyte concentrations
1602301-004A	Sodium	MS/MSD	High analyte concentrations

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

Corrective Action: None required.

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Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	1st Quarter Groundwater 2016
Lab Set ID:	1602301

Sample Receipt Information:

Date of Receipt:	2/18/2016
Date(s) of Collection:	2/15 – 2/17/2016
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Multiple target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-41558	Date Analyzed:	02/24/2016 1320h											
Test Code: 200.7-DIS	Date Prepared:	02/18/2016 1124h											
Calcium	10.2	mg/L	E200.7	0.0401	1.00	10.00	0	102	85 - 115				
Magnesium	10.2	mg/L	E200.7	0.0294	1.00	10.00	0	102	85 - 115				
Potassium	9.54	mg/L	E200.7	0.247	1.00	10.00	0	95.4	85 - 115				
Sodium	9.87	mg/L	E200.7	0.0330	1.00	10.00	0	98.7	85 - 115				
Vanadium	0.194	mg/L	E200.7	0.00116	0.00500	0.2000	0	97.0	85 - 115				
Lab Sample ID: LCS-41559	Date Analyzed:	02/18/2016 1733h											
Test Code: 200.8-DIS	Date Prepared:	02/18/2016 1124h											
Arsenic	0.199	mg/L	E200.8	0.000540	0.00200	0.2000	0	99.3	85 - 115				
Beryllium	0.189	mg/L	E200.8	0.000177	0.00200	0.2000	0	94.5	85 - 115				
Cadmium	0.191	mg/L	E200.8	0.0000666	0.000500	0.2000	0	95.6	85 - 115				
Chromium	0.192	mg/L	E200.8	0.000998	0.00200	0.2000	0	96.2	85 - 115				
Cobalt	0.190	mg/L	E200.8	0.0000990	0.00400	0.2000	0	95.1	85 - 115				
Copper	0.190	mg/L	E200.8	0.000862	0.00200	0.2000	0	95.0	85 - 115				
Iron	0.961	mg/L	E200.8	0.0274	0.100	1.000	0	96.1	85 - 115				
Lead	0.189	mg/L	E200.8	0.000125	0.00200	0.2000	0	94.5	85 - 115				
Manganese	0.190	mg/L	E200.8	0.000560	0.00200	0.2000	0	95.0	85 - 115				
Molybdenum	0.193	mg/L	E200.8	0.000202	0.00200	0.2000	0	96.5	85 - 115				
Nickel	0.192	mg/L	E200.8	0.000522	0.00200	0.2000	0	95.8	85 - 115				
Selenium	0.195	mg/L	E200.8	0.000310	0.00200	0.2000	0	97.7	85 - 115				
Silver	0.194	mg/L	E200.8	0.000132	0.00200	0.2000	0	97.0	85 - 115				
Thallium	0.185	mg/L	E200.8	0.0000500	0.00200	0.2000	0	92.6	85 - 115				
Tin	0.944	mg/L	E200.8	0.000372	0.00200	1.000	0	94.4	85 - 115				
Uranium	0.193	mg/L	E200.8	0.0000710	0.00200	0.2000	0	96.7	85 - 115				
Zinc	0.965	mg/L	E200.8	0.00452	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: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: LCS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**LCS-41574**	Date Analyzed:	02/19/2016 1047h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	02/18/2016 1615h											
Mercury		0.00330	mg/L	E245.1	0.00000559	0.000150	0.003330	0	99.0	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: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-41558	Date Analyzed:	02/24/2016 1217h											
Test Code: 200.7-DIS	Date Prepared:	02/18/2016 1124h											
Calcium	< 1.00	mg/L	E200.7	0.0401	1.00								
Magnesium	< 1.00	mg/L	E200.7	0.0294	1.00								
Potassium	< 1.00	mg/L	E200.7	0.247	1.00								
Sodium	< 1.00	mg/L	E200.7	0.0330	1.00								
Vanadium	< 0.00500	mg/L	E200.7	0.00116	0.00500								
Lab Sample ID: MB-41559	Date Analyzed:	02/18/2016 1730h											
Test Code: 200.8-DIS	Date Prepared:	02/18/2016 1124h											
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-41559	Date Analyzed:	02/18/2016 1827h											
Test Code: 200.8-DIS	Date Prepared:	02/18/2016 1124h											
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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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MBLK

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**MB-41559**	Date Analyzed:	02/18/2016 1858h											
Test Code:	200.8-DIS	Date Prepared:	02/18/2016 1124h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								
Lab Sample ID:	**MB-41574**	Date Analyzed:	02/19/2016 1045h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	02/18/2016 1615h											
Mercury		< 0.000150	mg/L	E245.1	0.00000559	0.000150								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1602301-004AMS**	Date Analyzed:	02/24/2016 1224h											
Test Code:	200.7-DIS	Date Prepared:	02/18/2016 1124h											
Sodium		730	mg/L	E200.7	1.65	50.0	10.00	741	-108	70 - 130				2
Lab Sample ID:	**1602301-004AMS**	Date Analyzed:	02/24/2016 1234h											
Test Code:	200.7-DIS	Date Prepared:	02/18/2016 1124h											
Calcium		452	mg/L	E200.7	0.802	20.0	10.00	447	51.2	70 - 130				2
Magnesium		259	mg/L	E200.7	0.588	20.0	10.00	251	75.7	70 - 130				
Lab Sample ID:	**1602301-004AMS**	Date Analyzed:	02/24/2016 1412h											
Test Code:	200.7-DIS	Date Prepared:	02/18/2016 1124h											
Potassium		31.8	mg/L	E200.7	0.494	2.00	10.00	24.1	77.0	70 - 130				
Vanadium		0.204	mg/L	E200.7	0.00232	0.0100	0.2000	0	102	70 - 130				
Lab Sample ID:	**1602301-004AMS**	Date Analyzed:	02/18/2016 1749h											
Test Code:	200.8-DIS	Date Prepared:	02/18/2016 1124h											
Arsenic		0.214	mg/L	E200.8	0.000540	0.00200	0.2000	0.000902	107	75 - 125				
Beryllium		0.180	mg/L	E200.8	0.000177	0.00200	0.2000	0	90.0	75 - 125				
Cadmium		0.192	mg/L	E200.8	0.0000666	0.000500	0.2000	0.00371	94.4	75 - 125				
Chromium		0.188	mg/L	E200.8	0.000998	0.00200	0.2000	0	94.1	75 - 125				
Cobalt		0.191	mg/L	E200.8	0.0000990	0.00400	0.2000	0.0066	92.2	75 - 125				
Copper		0.182	mg/L	E200.8	0.000862	0.00200	0.2000	0.00102	90.7	75 - 125				
Iron		0.958	mg/L	E200.8	0.0274	0.100	1.000	0.0254	93.2	75 - 125				
Lead		0.176	mg/L	E200.8	0.000125	0.00200	0.2000	0	88.0	75 - 125				
Manganese		2.97	mg/L	E200.8	0.000560	0.00200	0.2000	2.82	72.4	75 - 125				2
Molybdenum		0.206	mg/L	E200.8	0.000202	0.00200	0.2000	0	103	75 - 125				
Nickel		0.264	mg/L	E200.8	0.000522	0.00200	0.2000	0.0769	93.7	75 - 125				
Selenium		0.198	mg/L	E200.8	0.000310	0.00200	0.2000	0.00133	98.5	75 - 125				
Silver		0.185	mg/L	E200.8	0.000132	0.00200	0.2000	0	92.5	75 - 125				
Thallium		0.174	mg/L	E200.8	0.0000500	0.00200	0.2000	0.00146	86.3	75 - 125				
Tin		0.976	mg/L	E200.8	0.000372	0.00200	1.000	0	97.6	75 - 125				

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Kyle F. Gross
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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1602301-004AMS**	Date Analyzed:	02/18/2016 1749h											
Test Code:	200.8-DIS	Date Prepared:	02/18/2016 1124h											
Uranium		0.205	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0171	94.2	75 - 125				
Lab Sample ID:	**1602301-004AMS**	Date Analyzed:	02/19/2016 808h											
Test Code:	200.8-DIS	Date Prepared:	02/18/2016 1124h											
Zinc		5.18	mg/L	E200.8	0.0226	0.0250	1.000	4.21	97.3	75 - 125				
Lab Sample ID:	**1602301-004AMS**	Date Analyzed:	02/19/2016 1056h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	02/18/2016 1615h											
Mercury		0.00336	mg/L	E245.1	0.00000559	0.000150	0.003330	0	101	85 - 115				

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1602301-004AMSD	Date Analyzed:	02/24/2016 1227h											
Test Code: 200.7-DIS	Date Prepared:	02/18/2016 1124h											
Sodium	755	mg/L	E200.7	1.65	50.0	10.00	741	141	70 - 130	730	3.35	20	2
Lab Sample ID: 1602301-004AMSD	Date Analyzed:	02/24/2016 1244h											
Test Code: 200.7-DIS	Date Prepared:	02/18/2016 1124h											
Calcium	474	mg/L	E200.7	0.802	20.0	10.00	447	268	70 - 130	452	4.69	20	2
Magnesium	268	mg/L	E200.7	0.588	20.0	10.00	251	169	70 - 130	259	3.55	20	2
Lab Sample ID: 1602301-004AMSD	Date Analyzed:	02/24/2016 1415h											
Test Code: 200.7-DIS	Date Prepared:	02/18/2016 1124h											
Potassium	32.0	mg/L	E200.7	0.494	2.00	10.00	24.1	78.7	70 - 130	31.8	0.534	20	
Vanadium	0.202	mg/L	E200.7	0.00232	0.0100	0.2000	0	101	70 - 130	0.204	1.06	20	
Lab Sample ID: 1602301-004AMSD	Date Analyzed:	02/18/2016 1752h											
Test Code: 200.8-DIS	Date Prepared:	02/18/2016 1124h											
Arsenic	0.213	mg/L	E200.8	0.000540	0.00200	0.2000	0.000902	106	75 - 125	0.214	0.437	20	
Beryllium	0.178	mg/L	E200.8	0.000177	0.00200	0.2000	0	89.1	75 - 125	0.18	0.947	20	
Cadmium	0.191	mg/L	E200.8	0.0000666	0.000500	0.2000	0.00371	93.9	75 - 125	0.192	0.514	20	
Chromium	0.189	mg/L	E200.8	0.000998	0.00200	0.2000	0	94.7	75 - 125	0.188	0.694	20	
Cobalt	0.192	mg/L	E200.8	0.0000990	0.00400	0.2000	0.0066	92.6	75 - 125	0.191	0.402	20	
Copper	0.182	mg/L	E200.8	0.000862	0.00200	0.2000	0.00102	90.6	75 - 125	0.182	0.0150	20	
Iron	0.958	mg/L	E200.8	0.0274	0.100	1.000	0.0254	93.3	75 - 125	0.958	0.0311	20	
Lead	0.175	mg/L	E200.8	0.000125	0.00200	0.2000	0	87.7	75 - 125	0.176	0.276	20	
Manganese	3.02	mg/L	E200.8	0.000560	0.00200	0.2000	2.82	98.4	75 - 125	2.97	1.74	20	
Molybdenum	0.205	mg/L	E200.8	0.000202	0.00200	0.2000	0	102	75 - 125	0.206	0.648	20	
Nickel	0.262	mg/L	E200.8	0.000522	0.00200	0.2000	0.0769	92.4	75 - 125	0.264	1.00	20	
Selenium	0.199	mg/L	E200.8	0.000310	0.00200	0.2000	0.00133	98.7	75 - 125	0.198	0.260	20	
Silver	0.184	mg/L	E200.8	0.000132	0.00200	0.2000	0	91.9	75 - 125	0.185	0.576	20	
Thallium	0.174	mg/L	E200.8	0.0000500	0.00200	0.2000	0.00146	86.0	75 - 125	0.174	0.313	20	
Tin	0.967	mg/L	E200.8	0.000372	0.00200	1.000	0	96.7	75 - 125	0.976	0.906	20	

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MSD

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1602301-004AMSD**	Date Analyzed:	02/18/2016 1752h											
Test Code:	200.8-DIS	Date Prepared:	02/18/2016 1124h											
Uranium		0.204	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0171	93.6	75 - 125	0.205	0.557	20	
Lab Sample ID:	**1602301-004AMSD**	Date Analyzed:	02/19/2016 811h											
Test Code:	200.8-DIS	Date Prepared:	02/18/2016 1124h											
Zinc		5.14	mg/L	E200.8	0.0226	0.0250	1.000	4.21	92.9	75 - 125	5.18	0.857	20	
Lab Sample ID:	**1602301-004AMSD**	Date Analyzed:	02/19/2016 1058h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	02/18/2016 1615h											
Mercury		0.00330	mg/L	E245.1	0.00000559	0.000150	0.003330	0	99.1	85 - 115	0.00336	1.65	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: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: DUP

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1602301-004DDUP Date Analyzed: 02/18/2016 1306h Test Code: TDS-W-2540C													
Total Dissolved Solids	5,650	mg/L	SM2540C	17.5	20.0					5440	3.75	5	
Lab Sample ID: 1602301-001DDUP Date Analyzed: 02/19/2016 1220h Test Code: TDS-W-2540C													
Total Dissolved Solids	5,730	mg/L	SM2540C	17.5	20.0					5560	2.98	5	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R87586	Date Analyzed:	02/18/2016 1334h											
Test Code: 300.0-W													
Chloride	5.04	mg/L	E300.0	0.00516	0.100	5.000	0	101	90 - 110				
Fluoride	4.96	mg/L	E300.0	0.0139	0.100	5.000	0	99.2	90 - 110				
Sulfate	5.09	mg/L	E300.0	0.0201	0.750	5.000	0	102	90 - 110				
Lab Sample ID: LCS-R87579	Date Analyzed:	02/19/2016 651h											
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	49,100	mg/L	SM2320B	0.504	1.00	50,000	0	98.3	90 - 110				
Lab Sample ID: LCS-41626	Date Analyzed:	02/23/2016 1539h											
Test Code: NH3-W-350.1	Date Prepared:	02/23/2016 1250h											
Ammonia (as N)	9.32	mg/L	E350.1	0.0185	0.0500	10.00	0	93.2	90 - 110				
Lab Sample ID: LCS-41631	Date Analyzed:	02/23/2016 1722h											
Test Code: NH3-W-350.1	Date Prepared:	02/23/2016 1550h											
Ammonia (as N)	11.0	mg/L	E350.1	0.0185	0.0500	10.00	0	110	90 - 110				
Lab Sample ID: LCS-R87600	Date Analyzed:	02/19/2016 1224h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.938	mg/L	E353.2	0.00833	0.0100	1.000	0	93.8	90 - 110				
Lab Sample ID: LCS-R87606	Date Analyzed:	02/18/2016 1306h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	198	mg/L	SM2540C	8.77	10.0	205.0	0	96.6	80 - 120				
Lab Sample ID: LCS-R87646	Date Analyzed:	02/19/2016 1220h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	222	mg/L	SM2540C	8.77	10.0	205.0	0	108	80 - 120				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R87586	Date Analyzed:	02/18/2016 1317h											
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-R87579	Date Analyzed:	02/19/2016 651h											
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-41626	Date Analyzed:	02/23/2016 1538h											
Test Code: NH3-W-350.1	Date Prepared:	02/23/2016 1250h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-41631	Date Analyzed:	02/23/2016 1721h											
Test Code: NH3-W-350.1	Date Prepared:	02/23/2016 1550h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-R87600	Date Analyzed:	02/19/2016 1223h											
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-R87606	Date Analyzed:	02/18/2016 1306h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								
Lab Sample ID: MB-R87646	Date Analyzed:	02/19/2016 1220h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1602301-003BMS Date Analyzed: 02/18/2016 1424h													
Test Code: 300.0-W													
Chloride	5,110	mg/L	E300.0	5.16	100	5,000	44.9	101	90 - 110				
Fluoride	5,010	mg/L	E300.0	13.9	100	5,000	0	100	90 - 110				
Sulfate	7,770	mg/L	E300.0	20.1	750	5,000	2750	100	90 - 110				
Lab Sample ID: 1602301-004CMS Date Analyzed: 02/19/2016 651h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	255	mg/L	SM2320B	0.504	1.00	50.00	207	96.4	80 - 120				
Lab Sample ID: 1602301-004BMS Date Analyzed: 02/23/2016 1604h													
Test Code: NH3-W-350.1 Date Prepared: 02/23/2016 1250h													
Ammonia (as N)	11.4	mg/L	E350.1	0.0206	0.0556	11.11	0	103	90 - 110				
Lab Sample ID: 1602301-008BMS Date Analyzed: 02/23/2016 1724h													
Test Code: NH3-W-350.1 Date Prepared: 02/23/2016 1550h													
Ammonia (as N)	11.5	mg/L	E350.1	0.0206	0.0556	11.11	0	103	90 - 110				
Lab Sample ID: 1602301-001CMS Date Analyzed: 02/19/2016 1230h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.4	mg/L	E353.2	0.0833	0.100	10.00	0.951	104	90 - 110				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1602301-003BMSD Date Analyzed: 02/18/2016 1441h													
Test Code: 300.0-W													
Chloride	5,100	mg/L	E300.0	5.16	100	5,000	44.9	101	90 - 110	5110	0.245	20	
Fluoride	5,000	mg/L	E300.0	13.9	100	5,000	0	100	90 - 110	5010	0.204	20	
Sulfate	7,570	mg/L	E300.0	20.1	750	5,000	2750	96.5	90 - 110	7770	2.57	20	
Lab Sample ID: 1602301-004CMSD Date Analyzed: 02/19/2016 651h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	254	mg/L	SM2320B	0.504	1.00	50.00	207	94.6	80 - 120	255	0.354	10	
Lab Sample ID: 1602301-004BMSD Date Analyzed: 02/23/2016 1605h													
Test Code: NH3-W-350.1 Date Prepared: 02/23/2016 1250h													
Ammonia (as N)	11.3	mg/L	E350.1	0.0206	0.0556	11.11	0	101	90 - 110	11.4	1.43	10	
Lab Sample ID: 1602301-008BMSD Date Analyzed: 02/23/2016 1724h													
Test Code: NH3-W-350.1 Date Prepared: 02/23/2016 1550h													
Ammonia (as N)	11.5	mg/L	E350.1	0.0206	0.0556	11.11	0	103	90 - 110	11.5	0.157	10	
Lab Sample ID: 1602301-001CMSD Date Analyzed: 02/19/2016 1231h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.2	mg/L	E353.2	0.0833	0.100	10.00	0.951	102	90 - 110	11.4	1.95	10	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS VOC-1 021816A Date Analyzed: 02/18/2016 738h													
Test Code: 8260-W-DEN100													
Benzene	19.3	µg/L	SW8260C	0.270	1.00	20.00	0	96.6	82 - 132				
Chloroform	19.6	µg/L	SW8260C	0.153	1.00	20.00	0	98.2	85 - 124				
Methylene chloride	19.0	µg/L	SW8260C	0.172	1.00	20.00	0	94.9	81 - 135				
Naphthalene	18.1	µg/L	SW8260C	0.587	1.00	20.00	0	90.5	63 - 129				
Tetrahydrofuran	16.6	µg/L	SW8260C	0.516	1.00	20.00	0	83.1	59 - 120				
Toluene	19.4	µg/L	SW8260C	0.183	1.00	20.00	0	97.2	78 - 130				
Xylenes, Total	59.1	µg/L	SW8260C	0.857	1.00	60.00	0	98.5	70 - 138				
Surr: 1,2-Dichloroethane-d4	51.6	µg/L	SW8260C			50.00		103	80 - 122				
Surr: 4-Bromofluorobenzene	50.0	µg/L	SW8260C			50.00		100	85 - 121				
Surr: Dibromofluoromethane	50.8	µg/L	SW8260C			50.00		102	80 - 116				
Surr: Toluene-d8	50.3	µg/L	SW8260C			50.00		101	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB VOC-1 021816A Date Analyzed: 02/18/2016 817h													
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	54.5	µg/L	SW8260C			50.00		109	80 - 122				
Surr: 4-Bromofluorobenzene	49.6	µg/L	SW8260C			50.00		99.3	85 - 121				
Surr: Dibromofluoromethane	52.3	µg/L	SW8260C			50.00		105	80 - 116				
Surr: Toluene-d8	50.0	µg/L	SW8260C			50.00		99.9	81 - 123				

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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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1602301-006EMS Date Analyzed: 02/18/2016 1346h Test Code: 8260-W-DEN100													
Benzene	2,120	µg/L	SW8260C	27.0	100	2,000	0	106	66 - 145				
Chloroform	5,440	µg/L	SW8260C	15.3	100	2,000	3530	95.5	50 - 146				
Methylene chloride	2,060	µg/L	SW8260C	17.2	100	2,000	0	103	30 - 192				
Naphthalene	1,930	µg/L	SW8260C	58.7	100	2,000	0	96.7	41 - 131				
Tetrahydrofuran	1,810	µg/L	SW8260C	51.6	100	2,000	0	90.7	43 - 146				
Toluene	2,020	µg/L	SW8260C	18.3	100	2,000	0	101	18 - 192				
Xylenes, Total	6,140	µg/L	SW8260C	85.7	100	6,000	0	102	42 - 167				
Surr: 1,2-Dichloroethane-d4	5,350	µg/L	SW8260C			5,000		107	72 - 151				
Surr: 4-Bromofluorobenzene	4,910	µg/L	SW8260C			5,000		98.1	80 - 152				
Surr: Dibromofluoromethane	5,200	µg/L	SW8260C			5,000		104	80 - 124				
Surr: Toluene-d8	4,870	µg/L	SW8260C			5,000		97.3	77 - 129				

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1602301
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1602301-006EMSD Date Analyzed: 02/18/2016 1405h Test Code: 8260-W-DEN100													
Benzene	2,220	µg/L	SW8260C	27.0	100	2,000	0	111	66 - 145	2120	4.56	25	
Chloroform	5,650	µg/L	SW8260C	15.3	100	2,000	3530	106	50 - 146	5440	3.90	25	
Methylene chloride	2,150	µg/L	SW8260C	17.2	100	2,000	0	107	30 - 192	2060	3.99	25	
Naphthalene	1,970	µg/L	SW8260C	58.7	100	2,000	0	98.5	41 - 131	1930	1.85	25	
Tetrahydrofuran	1,800	µg/L	SW8260C	51.6	100	2,000	0	90.2	43 - 146	1810	0.608	25	
Toluene	2,150	µg/L	SW8260C	18.3	100	2,000	0	108	18 - 192	2020	6.13	25	
Xylenes, Total	6,480	µg/L	SW8260C	85.7	100	6,000	0	108	42 - 167	6140	5.40	25	
Surr: 1,2-Dichloroethane-d4	5,320	µg/L	SW8260C			5,000		106	72 - 151				
Surr: 4-Bromofluorobenzene	4,980	µg/L	SW8260C			5,000		99.5	80 - 152				
Surr: Dibromofluoromethane	5,190	µg/L	SW8260C			5,000		104	80 - 124				
Surr: Toluene-d8	4,990	µg/L	SW8260C			5,000		99.7	77 - 129				

analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of th
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American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1602301**

Client: Energy Fuels Resources, Inc. Due Date: 3/3/2016

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **1st Quarter Groundwater 2016** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Alkalinity must be run at full volume, use ALK-W-2320B-LL test code. Groundwater project specific DL's: Run NO2/NO3 as a 10X. Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1602301-001A	**MW-03A_02162016**	2/16/2016 0800h	2/18/2016 0854h	**200.8-DIS**	Aqueous		DF-Metals	1
				1 SEL Analytes: SE				
				200.8-DIS-PR			DF-Metals	
1602301-001B				**300.0-W**			DF-WC	
				1 SEL Analytes: SO4				
1602301-001C				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1602301-001D				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1602301-002A	**MW-05_02152016**	2/15/2016 1055h	2/18/2016 0854h	**200.8-DIS**	Aqueous		DF-Metals	1
				1 SEL Analytes: U				
				200.8-DIS-PR			DF-Metals	
1602301-003A	**MW-24_02172016**	2/17/2016 0715h	2/18/2016 0854h	**200.8-DIS**	Aqueous		DF-Metals	1
				2 SEL Analytes: CD TL				
				200.8-DIS-PR			DF-Metals	
1602301-003B				**300.0-W**			DF-WC	
				2 SEL Analytes: F SO4				
1602301-004A	**MW-03_02162016**	2/16/2016 1030h	2/18/2016 0854h	**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				
1602301-004B				**NH3-W-350.1**			DF-NO2/NO3	
				1 SEL Analytes: NH3N				

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WORK ORDER Summary

Work Order: **1602301**

Client: Energy Fuels Resources, Inc. Due Date: 3/3/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1602301-004B	**MW-03_02162016**	2/16/2016 1030h	2/18/2016 0854h	**NH3-W-PR**	Aqueous		DF-NO2/NO3	1
				NO2/NO3-W-353.2			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1602301-004C				**300.0-W**			DF-WC	
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			DF-WC	
				2 SEL Analytes: ALKB ALKC				
1602301-004D				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1602301-004E				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1602301-005A	**MW-14_02152016**	2/15/2016 1345h	2/18/2016 0854h	**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				
1602301-005B				**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				
1602301-005C				**300.0-W**			DF-WC	
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			DF-WC	
				2 SEL Analytes: ALKB ALKC				
1602301-005D				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1602301-005E				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1602301-006A	**MW-26_02162016**	2/16/2016 1400h	2/18/2016 0854h	**200.7-DIS**	Aqueous		DF-Metals	1
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			DF-Metals	

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WORK ORDER Summary

Work Order: **1602301**

Client: Energy Fuels Resources, Inc. Due Date: 3/3/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1602301-006A	**MW-26_02162016**	2/16/2016 1400h	2/18/2016 0854h	**200.8-DIS**	Aqueous		DF-Metals	1
				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				
1602301-006B				**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				
1602301-006C				**300.0-W**			DF-WC	
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			DF-WC	
				2 SEL Analytes: ALKB ALKC				
1602301-006D				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1602301-006E				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1602301-007A	**MW-31_02152016**	2/15/2016 1415h	2/18/2016 0854h	**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				
1602301-007B				**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				

WORK ORDER Summary

Work Order: **1602301**

Client: Energy Fuels Resources, Inc. Due Date: 3/3/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1602301-007C	**MW-31_02152016**	2/15/2016 1415h	2/18/2016 0854h	**300.0-W**	Aqueous		DF-WC	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			DF-WC	
				2 SEL Analytes: ALKB ALKC				
1602301-007D				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1602301-007E				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1602301-008A	**MW-70_02152016**	2/15/2016 1345h	2/18/2016 0854h	**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				
1602301-008B				**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				
1602301-008C				**300.0-W**			DF-WC	
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			DF-WC	
				2 SEL Analytes: ALKB ALKC				
1602301-008D				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1602301-008E				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1602301-009A	**Trip Blank**	2/15/2016	2/18/2016 0854h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				

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www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1602361
AWAL Lab Sample Set #
Page 1 of 2

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		3/3

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 2016**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

Laboratory Use Only

Samples Were:
1 Shipped or hand delivered
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

	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	MW-03A_02162016	2/16/2016	800	4	w	X			X			X		X						
3	MW-05_02152016	2/15/2016	1055	1	w					X										
4																				
5																				
6																				
7																				
8	MW-24_02172016	2/17/2016	715	2	w						X		X	X	X					
9																				
10																				
11																				
12																				

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: ~~0854~~ 2/18/2016 Time: 0854	Received by: Signature: Elaine Hayden	Date: 2/18/16 Time: 854
Print Name: Garrin Palmer		Print Name: Elaine Hayden	
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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Analytical Laboratories
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CHAIN OF CUSTODY

1602301
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		3/3

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 2016**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	Known Hazards & Sample Comments
1	MW-03_02162016	2/16/2016	1030	7	W	x	x	x	x	x	x	x	x	x	x	
2	MW-14_02152016	2/15/2016	1345	7	W	x	x	x	x	x	x	x	x	x	x	
3	MW-26_02162016	2/16/2016	1400	7	W	x	x	x	x	x	x	x	x	x	x	
4	MW-31_02152016	2/15/2016	1415	7	W	x	x	x	x	x	x	x	x	x	x	
5	MW-70_02152016	2/15/2016	1345	7	W	x	x	x	x	x	x	x	x	x	x	
6	TRIP BLANK	2/15/2016		3	W										x	
7	TEMP BLANK	2/18/2016		1	W											
8																
9																
10																
11																
12																

Laboratory Use Only

Samples Were:
1 Shipped or hand delivered
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:
Print Name: Garrin Palmer	Time: 0854	Print Name: Ellen Hey	Time: 854
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: 160230

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7	8										
Ammonia	pH <2 H_2SO_4				Yes	Yes	Yes	Yes	Yes										
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes										
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 > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

American West
ANALYTICAL LABORATORIES

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

RE: 1st Quarter Groundwater 2016

Dear Garrin Palmer: Lab Set ID: 1603480

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories received sample(s) on 3/23/2016 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou, email=jose@awal-labs.com, c=US
Date: 2016.04.15 14:38:18 -06'00'

Laboratory Director or designee

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

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 1st Quarter Groundwater 2016
Lab Set ID: 1603480
Date Received: 3/23/2016 930h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1603480-001A	MW-37_03222016	3/22/2016 1020h	Aqueous	VOA by GC/MS Method 8260C/5030C
1603480-001B	MW-37_03222016	3/22/2016 1020h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1603480-001B	MW-37_03222016	3/22/2016 1020h	Aqueous	Anions, E300.0
1603480-001C	MW-37_03222016	3/22/2016 1020h	Aqueous	Total Dissolved Solids, A2540C
1603480-001D	MW-37_03222016	3/22/2016 1020h	Aqueous	Ammonia, Aqueous
1603480-001D	MW-37_03222016	3/22/2016 1020h	Aqueous	Nitrite/Nitrate (as N), E353.2
1603480-001E	MW-37_03222016	3/22/2016 1020h	Aqueous	Mercury, Drinking Water Dissolved
1603480-001E	MW-37_03222016	3/22/2016 1020h	Aqueous	ICPMS Metals, Dissolved
1603480-001E	MW-37_03222016	3/22/2016 1020h	Aqueous	ICP Metals, Dissolved
1603480-001E	MW-37_03222016	3/22/2016 1020h	Aqueous	Ion Balance
1603480-002A	Trip Blank	3/22/2016	Aqueous	VOA by GC/MS Method 8260C/5030C

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	1st Quarter Groundwater 2016
Lab Set ID:	1603480

Sample Receipt Information:

Date of Receipt:	3/23/2016
Date of Collection:	3/22/2016
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions:

Sample ID	Analyte	QC	Explanation
1603480-001E	Calcium	MS	High analyte concentrations
1603480-001E	Magnesium	MSD	High analyte concentrations
1603480-001E	Sodium	MS/MSD	High analyte concentrations
1603480-001D	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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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	1st Quarter Groundwater 2016
Lab Set ID:	1603480

Sample Receipt Information:

Date of Receipt:	3/23/2016
Date of Collection:	3/22/2016
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: No target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exception: The RPD for tetrahydrofuran was outside of control limits on sample 1603480-001A due to suspected sample non-homogeneity or matrix interference.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-42093	Date Analyzed:	03/24/2016 909h											
Test Code: 200.7-DIS	Date Prepared:	03/23/2016 1254h											
Calcium	9.82	mg/L	E200.7	0.0401	1.00	10.00	0	98.2	85 - 115				
Magnesium	10.2	mg/L	E200.7	0.0294	1.00	10.00	0	102	85 - 115				
Potassium	10.1	mg/L	E200.7	0.247	1.00	10.00	0	101	85 - 115				
Sodium	10.3	mg/L	E200.7	0.0330	1.00	10.00	0	103	85 - 115				
Lab Sample ID: LCS-42093	Date Analyzed:	03/25/2016 1110h											
Test Code: 200.7-DIS	Date Prepared:	03/23/2016 1254h											
Vanadium	0.194	mg/L	E200.7	0.00116	0.00500	0.2000	0	96.9	85 - 115				
Lab Sample ID: LCS-42094	Date Analyzed:	03/25/2016 1037h											
Test Code: 200.8-DIS	Date Prepared:	03/23/2016 1254h											
Arsenic	0.207	mg/L	E200.8	0.000540	0.00200	0.2000	0	104	85 - 115				
Beryllium	0.199	mg/L	E200.8	0.000177	0.00200	0.2000	0	99.3	85 - 115				
Cadmium	0.199	mg/L	E200.8	0.0000666	0.000500	0.2000	0	99.4	85 - 115				
Chromium	0.200	mg/L	E200.8	0.000998	0.00200	0.2000	0	99.9	85 - 115				
Cobalt	0.199	mg/L	E200.8	0.0000990	0.00400	0.2000	0	99.4	85 - 115				
Copper	0.198	mg/L	E200.8	0.000862	0.00200	0.2000	0	98.9	85 - 115				
Iron	1.01	mg/L	E200.8	0.0274	0.100	1.000	0	101	85 - 115				
Lead	0.194	mg/L	E200.8	0.000125	0.00200	0.2000	0	97.0	85 - 115				
Manganese	0.203	mg/L	E200.8	0.000560	0.00200	0.2000	0	101	85 - 115				
Molybdenum	0.200	mg/L	E200.8	0.000202	0.00200	0.2000	0	99.8	85 - 115				
Nickel	0.202	mg/L	E200.8	0.000522	0.00200	0.2000	0	101	85 - 115				
Selenium	0.206	mg/L	E200.8	0.000310	0.00200	0.2000	0	103	85 - 115				
Silver	0.197	mg/L	E200.8	0.000132	0.00200	0.2000	0	98.3	85 - 115				
Thallium	0.192	mg/L	E200.8	0.0000500	0.00200	0.2000	0	95.8	85 - 115				
Tin	0.993	mg/L	E200.8	0.000372	0.00200	1.000	0	99.3	85 - 115				
Uranium	0.199	mg/L	E200.8	0.0000710	0.00200	0.2000	0	99.3	85 - 115				
Zinc	1.01	mg/L	E200.8	0.00452	0.00500	1.000	0	101	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 ne of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-42107	Date Analyzed:	03/28/2016 1048h											
Test Code: HG-DW-DIS-245.1	Date Prepared:	03/23/2016 1645h											
Mercury	0.00333	mg/L	E245.1	0.00000559	0.000150	0.003330	0	100	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: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MBLK

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**MB-42093**	Date Analyzed:	03/24/2016 906h											
Test Code:	200.7-DIS	Date Prepared:	03/23/2016 1254h											
Calcium		< 1.00	mg/L	E200.7	0.0401	1.00								
Magnesium		< 1.00	mg/L	E200.7	0.0294	1.00								
Potassium		< 1.00	mg/L	E200.7	0.247	1.00								
Sodium		< 1.00	mg/L	E200.7	0.0330	1.00								
Lab Sample ID:	**MB-42093**	Date Analyzed:	03/25/2016 1107h											
Test Code:	200.7-DIS	Date Prepared:	03/23/2016 1254h											
Vanadium		< 0.00500	mg/L	E200.7	0.00116	0.00500								
Lab Sample ID:	**MB-42094**	Date Analyzed:	03/25/2016 1034h											
Test Code:	200.8-DIS	Date Prepared:	03/23/2016 1254h											
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-42094**	Date Analyzed:	03/25/2016 1106h											
Test Code:	200.8-DIS	Date Prepared:	03/23/2016 1254h											
Beryllium		< 0.000500	mg/L	E200.8	0.0000443	0.000500								
Iron		< 0.0250	mg/L	E200.8	0.00685	0.0250								
Lead		< 0.000500	mg/L	E200.8	0.0000312	0.000500								
Thallium		< 0.000500	mg/L	E200.8	0.0000125	0.000500								

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Kyle F. Gross
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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MBLK

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**MB-42094**	Date Analyzed:	03/25/2016 1112h											
Test Code:	200.8-DIS	Date Prepared:	03/23/2016 1254h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								
Lab Sample ID:	**MB-42107**	Date Analyzed:	03/28/2016 1046h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	03/23/2016 1645h											
Mercury		< 0.000150	mg/L	E245.1	0.00000559	0.000150								

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Laboratory Director

Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1603480-001EMS**	Date Analyzed:	03/24/2016 920h											
Test Code:	200.7-DIS	Date Prepared:	03/23/2016 1254h											
Magnesium		137	mg/L	E200.7	0.294	10.0	10.00	129	83.5	70 - 130				
Potassium		25.1	mg/L	E200.7	2.47	10.0	10.00	15.1	100	70 - 130				
Lab Sample ID:	**1603480-001EMS**	Date Analyzed:	03/24/2016 941h											
Test Code:	200.7-DIS	Date Prepared:	03/23/2016 1254h											
Calcium		517	mg/L	E200.7	4.01	100	10.00	498	195	70 - 130				2
Sodium		565	mg/L	E200.7	3.30	100	10.00	538	262	70 - 130				2
Lab Sample ID:	**1603480-001EMS**	Date Analyzed:	03/25/2016 1116h											
Test Code:	200.7-DIS	Date Prepared:	03/23/2016 1254h											
Vanadium		0.201	mg/L	E200.7	0.00116	0.00500	0.2000	0	101	70 - 130				
Lab Sample ID:	**1603480-001EMS**	Date Analyzed:	03/25/2016 1050h											
Test Code:	200.8-DIS	Date Prepared:	03/23/2016 1254h											
Arsenic		0.216	mg/L	E200.8	0.000540	0.00200	0.2000	0.000815	108	75 - 125				
Beryllium		0.193	mg/L	E200.8	0.000177	0.00200	0.2000	0	96.3	75 - 125				
Cadmium		0.199	mg/L	E200.8	0.0000666	0.000500	0.2000	0.00117	98.9	75 - 125				
Chromium		0.197	mg/L	E200.8	0.000998	0.00200	0.2000	0	98.6	75 - 125				
Cobalt		0.213	mg/L	E200.8	0.0000990	0.00400	0.2000	0.0194	96.7	75 - 125				
Copper		0.196	mg/L	E200.8	0.000862	0.00200	0.2000	0.00619	95.0	75 - 125				
Iron		0.989	mg/L	E200.8	0.0274	0.100	1.000	0	98.9	75 - 125				
Lead		0.189	mg/L	E200.8	0.000125	0.00200	0.2000	0	94.3	75 - 125				
Manganese		0.903	mg/L	E200.8	0.000560	0.00200	0.2000	0.735	84.1	75 - 125				
Molybdenum		0.214	mg/L	E200.8	0.000202	0.00200	0.2000	0.000469	107	75 - 125				
Nickel		0.221	mg/L	E200.8	0.000522	0.00200	0.2000	0.0239	98.5	75 - 125				
Selenium		0.213	mg/L	E200.8	0.000310	0.00200	0.2000	0.00876	102	75 - 125				
Silver		0.189	mg/L	E200.8	0.000132	0.00200	0.2000	0.000134	94.4	75 - 125				
Thallium		0.188	mg/L	E200.8	0.0000500	0.00200	0.2000	0.0016	93.4	75 - 125				
Tin		1.05	mg/L	E200.8	0.000372	0.00200	1.000	0	105	75 - 125				
Uranium		0.214	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0138	100	75 - 125				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1603480-001EMS**	Date Analyzed:	03/25/2016 1050h											
Test Code:	200.8-DIS	Date Prepared:	03/23/2016 1254h											
Zinc		1.11	mg/L	E200.8	0.00452	0.00500	1.000	0.0972	101	75 - 125				
Lab Sample ID:	**1603480-001EMS**	Date Analyzed:	03/28/2016 1055h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	03/23/2016 1645h											
Mercury		0.00323	mg/L	E245.1	0.00000559	0.000150	0.003330	0	97.1	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: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1603480-001EMSD	Date Analyzed:	03/24/2016 923h											
Test Code: 200.7-DIS	Date Prepared:	03/23/2016 1254h											
Magnesium	144	mg/L	E200.7	0.294	10.0	10.00	129	152	70 - 130	137	4.84	20	*
Potassium	25.6	mg/L	E200.7	2.47	10.0	10.00	15.1	105	70 - 130	25.1	1.95	20	
Lab Sample ID: 1603480-001EMSD	Date Analyzed:	03/24/2016 944h											
Test Code: 200.7-DIS	Date Prepared:	03/23/2016 1254h											
Calcium	508	mg/L	E200.7	4.01	100	10.00	498	102	70 - 130	517	1.82	20	
Sodium	554	mg/L	E200.7	3.30	100	10.00	538	157	70 - 130	565	1.88	20	*
Lab Sample ID: 1603480-001EMSD	Date Analyzed:	03/25/2016 1119h											
Test Code: 200.7-DIS	Date Prepared:	03/23/2016 1254h											
Vanadium	0.199	mg/L	E200.7	0.00116	0.00500	0.2000	0	99.5	70 - 130	0.201	1.06	20	
Lab Sample ID: 1603480-001EMSD	Date Analyzed:	03/25/2016 1053h											
Test Code: 200.8-DIS	Date Prepared:	03/23/2016 1254h											
Arsenic	0.216	mg/L	E200.8	0.000540	0.00200	0.2000	0.000815	107	75 - 125	0.216	0.308	20	
Beryllium	0.191	mg/L	E200.8	0.000177	0.00200	0.2000	0	95.3	75 - 125	0.193	1.09	20	
Cadmium	0.197	mg/L	E200.8	0.0000666	0.000500	0.2000	0.00117	98.0	75 - 125	0.199	0.834	20	
Chromium	0.197	mg/L	E200.8	0.000998	0.00200	0.2000	0	98.6	75 - 125	0.197	0.0113	20	
Cobalt	0.212	mg/L	E200.8	0.0000990	0.00400	0.2000	0.0194	96.2	75 - 125	0.213	0.484	20	
Copper	0.196	mg/L	E200.8	0.000862	0.00200	0.2000	0.00619	95.0	75 - 125	0.196	0.0791	20	
Iron	0.984	mg/L	E200.8	0.0274	0.100	1.000	0	98.4	75 - 125	0.989	0.575	20	
Lead	0.189	mg/L	E200.8	0.000125	0.00200	0.2000	0	94.4	75 - 125	0.189	0.130	20	
Manganese	0.915	mg/L	E200.8	0.000560	0.00200	0.2000	0.735	90.1	75 - 125	0.903	1.31	20	
Molybdenum	0.213	mg/L	E200.8	0.000202	0.00200	0.2000	0.000469	106	75 - 125	0.214	0.135	20	
Nickel	0.218	mg/L	E200.8	0.000522	0.00200	0.2000	0.0239	97.1	75 - 125	0.221	1.26	20	
Selenium	0.213	mg/L	E200.8	0.000310	0.00200	0.2000	0.00876	102	75 - 125	0.213	0.202	20	
Silver	0.188	mg/L	E200.8	0.000132	0.00200	0.2000	0.000134	93.9	75 - 125	0.189	0.534	20	
Thallium	0.188	mg/L	E200.8	0.0000500	0.00200	0.2000	0.0016	93.4	75 - 125	0.188	0.00489	20	
Tin	1.04	mg/L	E200.8	0.000372	0.00200	1.000	0	104	75 - 125	1.05	0.667	20	
Uranium	0.213	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0138	99.8	75 - 125	0.214	0.353	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: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MSD

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1603480-001EMSD**	Date Analyzed:	03/25/2016 1053h											
Test Code:	200.8-DIS	Date Prepared:	03/23/2016 1254h											
Zinc		1.10	mg/L	E200.8	0.00452	0.00500	1.000	0.0972	100	75 - 125	1.11	0.811	20	
Lab Sample ID:	**1603480-001EMSD**	Date Analyzed:	03/28/2016 1057h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	03/23/2016 1645h											
Mercury		0.00323	mg/L	E245.1	0.00000559	0.000150	0.003330	0	96.9	85 - 115	0.00323	0.206	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: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: DUP

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1603480-001CDUP Date Analyzed: 03/25/2016 1113h Test Code: TDS-W-2540C													
Total Dissolved Solids	3,960	mg/L	SM2540C	17.5	20.0					3880	2.14	5	

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R88634 Date Analyzed: 03/28/2016 1455h													
Test Code: 300.0-W													
Chloride	4.69	mg/L	E300.0	0.00516	0.100	5.000	0	93.8	90 - 110				
Fluoride	4.67	mg/L	E300.0	0.0139	0.100	5.000	0	93.4	90 - 110				
Sulfate	4.59	mg/L	E300.0	0.0201	0.750	5.000	0	91.7	90 - 110				
Lab Sample ID: LCS-R88533 Date Analyzed: 03/24/2016 904h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	48,200	mg/L	SM2320B	0.504	1.00	50,000	0	96.5	90 - 110				
Lab Sample ID: LCS-42415 Date Analyzed: 04/12/2016 1633h													
Test Code: NH3-W-350.1 Date Prepared: 04/12/2016 1430h													
Ammonia (as N)	10.8	mg/L	E350.1	0.0185	0.0500	10.00	0	108	90 - 110				
Lab Sample ID: LCS-R88555 Date Analyzed: 03/24/2016 1739h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.08	mg/L	E353.2	0.00833	0.0100	1.000	0	108	90 - 110				
Lab Sample ID: LCS-R88620 Date Analyzed: 03/25/2016 1113h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	208	mg/L	SM2540C	8.77	10.0	205.0	0	101	80 - 120				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R88634	Date Analyzed:	03/28/2016 1438h											
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-R88533	Date Analyzed:	03/24/2016 904h											
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-42415	Date Analyzed:	04/12/2016 1632h											
Test Code: NH3-W-350.1	Date Prepared:	04/12/2016 1430h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-R88555	Date Analyzed:	03/24/2016 1738h											
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-R88620	Date Analyzed:	03/25/2016 1113h											
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: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1603480-001BMS Date Analyzed: 03/28/2016 1743h													
Test Code: 300.0-W													
Chloride	9,360	mg/L	E300.0	10.3	200	10,000	42.7	93.2	90 - 110				
Fluoride	9,530	mg/L	E300.0	27.8	200	10,000	0	95.3	90 - 110				
Sulfate	11,500	mg/L	E300.0	40.2	1,500	10,000	2360	91.0	90 - 110				
Lab Sample ID: 1603480-001BMS Date Analyzed: 03/24/2016 904h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	146	mg/L	SM2320B	0.504	1.00	50.00	99.2	92.8	80 - 120				
Lab Sample ID: 1603480-001DMS Date Analyzed: 04/12/2016 1635h													
Test Code: NH3-W-350.1 Date Prepared: 04/12/2016 1430h													
Ammonia (as N)	11.7	mg/L	E350.1	0.0206	0.0556	11.11	0.0386	105	90 - 110				
Lab Sample ID: 1603480-001DMS Date Analyzed: 03/24/2016 1742h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	12.2	mg/L	E353.2	0.0833	0.100	10.00	0.294	119	90 - 110				1

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

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

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1603480-001BMSD Date Analyzed: 03/28/2016 1800h													
Test Code: 300.0-W													
Chloride	9,400	mg/L	E300.0	10.3	200	10,000	42.7	93.6	90 - 110	9360	0.372	20	
Fluoride	9,560	mg/L	E300.0	27.8	200	10,000	0	95.6	90 - 110	9530	0.287	20	
Sulfate	11,300	mg/L	E300.0	40.2	1,500	10,000	2360	89.8	90 - 110	11500	1.03	20	§
Lab Sample ID: 1603480-001BMSD Date Analyzed: 03/24/2016 904h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	145	mg/L	SM2320B	0.504	1.00	50.00	99.2	91.0	80 - 120	146	0.620	10	
Lab Sample ID: 1603480-001DMSD Date Analyzed: 04/12/2016 1635h													
Test Code: NH3-W-350.1 Date Prepared: 04/12/2016 1430h													
Ammonia (as N)	11.6	mg/L	E350.1	0.0206	0.0556	11.11	0.0386	104	90 - 110	11.7	0.387	10	
Lab Sample ID: 1603480-001DMSD Date Analyzed: 03/24/2016 1748h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	12.3	mg/L	E353.2	0.0833	0.100	10.00	0.294	120	90 - 110	12.2	1.31	10	'

§ - QC limits are set with an accuracy of two significant figures, therefore the recovery rounds to an acceptable value within the control limits.
' - 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: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS VOC-2 032316A Date Analyzed: 03/23/2016 1103h													
Test Code: 8260-W-DEN100													
Benzene	19.9	µg/L	SW8260C	0.270	1.00	20.00	0	99.7	82 - 132				
Chloroform	18.6	µg/L	SW8260C	0.153	1.00	20.00	0	93.2	85 - 124				
Methylene chloride	18.3	µg/L	SW8260C	0.172	1.00	20.00	0	91.7	81 - 135				
Naphthalene	17.7	µg/L	SW8260C	0.587	1.00	20.00	0	88.4	63 - 129				
Tetrahydrofuran	14.8	µg/L	SW8260C	0.516	1.00	20.00	0	74.0	59 - 120				
Toluene	19.8	µg/L	SW8260C	0.183	1.00	20.00	0	98.9	78 - 130				
Xylenes, Total	63.0	µg/L	SW8260C	0.857	1.00	60.00	0	105	70 - 138				
Surr: 1,2-Dichloroethane-d4	47.2	µg/L	SW8260C			50.00		94.5	80 - 122				
Surr: 4-Bromofluorobenzene	50.0	µg/L	SW8260C			50.00		100	85 - 121				
Surr: Dibromofluoromethane	48.9	µg/L	SW8260C			50.00		97.7	80 - 116				
Surr: Toluene-d8	49.5	µg/L	SW8260C			50.00		99.1	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: **MB VOC-2 032316A** Date Analyzed: 03/23/2016 1142h													
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	49.0	µg/L	SW8260C			50.00		98.0	80 - 122				
Surr: 4-Bromofluorobenzene	51.6	µg/L	SW8260C			50.00		103	85 - 121				
Surr: Dibromofluoromethane	48.6	µg/L	SW8260C			50.00		97.2	80 - 116				
Surr: Toluene-d8	50.5	µg/L	SW8260C			50.00		101	81 - 123				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1603479-005CMS Date Analyzed: 03/23/2016 1732h													
Test Code: 8260-W-DEN100													
Benzene	428	µg/L	SW8260C	5.40	20.0	400.0	0	107	66 - 145				
Chloroform	1,850	µg/L	SW8260C	3.06	20.0	400.0	1430	107	50 - 146				
Methylene chloride	380	µg/L	SW8260C	3.44	20.0	400.0	0	95.1	30 - 192				
Naphthalene	373	µg/L	SW8260C	11.7	20.0	400.0	0	93.2	41 - 131				
Tetrahydrofuran	346	µg/L	SW8260C	10.3	20.0	400.0	0	86.5	43 - 146				
Toluene	420	µg/L	SW8260C	3.66	20.0	400.0	0	105	18 - 192				
Xylenes, Total	1,290	µg/L	SW8260C	17.1	20.0	1,200	0	107	42 - 167				
Surr: 1,2-Dichloroethane-d4	999	µg/L	SW8260C			1,000		99.9	72 - 151				
Surr: 4-Bromofluorobenzene	1,010	µg/L	SW8260C			1,000		101	80 - 152				
Surr: Dibromofluoromethane	995	µg/L	SW8260C			1,000		99.5	80 - 124				
Surr: Toluene-d8	988	µg/L	SW8260C			1,000		98.8	77 - 129				
Lab Sample ID: 1603480-001AMS Date Analyzed: 03/23/2016 1553h													
Test Code: 8260-W-DEN100													
Benzene	22.1	µg/L	SW8260C	0.270	1.00	20.00	0	111	66 - 145				
Chloroform	20.9	µg/L	SW8260C	0.153	1.00	20.00	0	105	50 - 146				
Methylene chloride	18.2	µg/L	SW8260C	0.172	1.00	20.00	0	90.9	30 - 192				
Naphthalene	18.0	µg/L	SW8260C	0.587	1.00	20.00	0	90.0	41 - 131				
Tetrahydrofuran	12.6	µg/L	SW8260C	0.516	1.00	20.00	0	62.9	43 - 146				
Toluene	22.4	µg/L	SW8260C	0.183	1.00	20.00	0	112	18 - 192				
Xylenes, Total	70.8	µg/L	SW8260C	0.857	1.00	60.00	0	118	42 - 167				
Surr: 1,2-Dichloroethane-d4	47.0	µg/L	SW8260C			50.00		94.0	72 - 151				
Surr: 4-Bromofluorobenzene	49.9	µg/L	SW8260C			50.00		99.8	80 - 152				
Surr: Dibromofluoromethane	50.4	µg/L	SW8260C			50.00		101	80 - 124				
Surr: Toluene-d8	50.1	µg/L	SW8260C			50.00		100	77 - 129				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603480
Project: 1st Quarter Groundwater 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1603479-005CMSD Date Analyzed: 03/23/2016 1752h													
Test Code: 8260-W-DEN100													
Benzene	417	µg/L	SW8260C	5.40	20.0	400.0	0	104	66 - 145	428	2.55	25	
Chloroform	1,840	µg/L	SW8260C	3.06	20.0	400.0	1430	103	50 - 146	1850	0.758	25	
Methylene chloride	405	µg/L	SW8260C	3.44	20.0	400.0	0	101	30 - 192	380	6.26	25	
Naphthalene	371	µg/L	SW8260C	11.7	20.0	400.0	0	92.8	41 - 131	373	0.376	25	
Tetrahydrofuran	339	µg/L	SW8260C	10.3	20.0	400.0	0	84.6	43 - 146	346	2.16	25	
Toluene	417	µg/L	SW8260C	3.66	20.0	400.0	0	104	18 - 192	420	0.669	25	
Xylenes, Total	1,280	µg/L	SW8260C	17.1	20.0	1,200	0	107	42 - 167	1290	0.295	25	
Surr: 1,2-Dichloroethane-d4	1,010	µg/L	SW8260C			1,000		101	72 - 151				
Surr: 4-Bromofluorobenzene	1,010	µg/L	SW8260C			1,000		101	80 - 152				
Surr: Dibromofluoromethane	993	µg/L	SW8260C			1,000		99.3	80 - 124				
Surr: Toluene-d8	993	µg/L	SW8260C			1,000		99.3	77 - 129				
Lab Sample ID: 1603480-001AMSD Date Analyzed: 03/23/2016 1613h													
Test Code: 8260-W-DEN100													
Benzene	20.3	µg/L	SW8260C	0.270	1.00	20.00	0	101	66 - 145	22.1	8.63	25	
Chloroform	19.4	µg/L	SW8260C	0.153	1.00	20.00	0	97.0	50 - 146	20.9	7.58	25	
Methylene chloride	18.7	µg/L	SW8260C	0.172	1.00	20.00	0	93.4	30 - 192	18.2	2.77	25	
Naphthalene	17.6	µg/L	SW8260C	0.587	1.00	20.00	0	88.0	41 - 131	18	2.25	25	
Tetrahydrofuran	16.2	µg/L	SW8260C	0.516	1.00	20.00	0	80.9	43 - 146	12.6	25.1	25	@
Toluene	20.1	µg/L	SW8260C	0.183	1.00	20.00	0	101	18 - 192	22.4	10.9	25	
Xylenes, Total	61.4	µg/L	SW8260C	0.857	1.00	60.00	0	102	42 - 167	70.8	14.3	25	
Surr: 1,2-Dichloroethane-d4	50.6	µg/L	SW8260C			50.00		101	72 - 151				
Surr: 4-Bromofluorobenzene	50.0	µg/L	SW8260C			50.00		99.9	80 - 152				
Surr: Dibromofluoromethane	50.2	µg/L	SW8260C			50.00		100	80 - 124				
Surr: Toluene-d8	49.3	µg/L	SW8260C			50.00		98.5	77 - 129				

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

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UL
Denison

WORK ORDER Summary

Work Order: **1603480** Page 1 of 1

Client: Energy Fuels Resources, Inc. Due Date: 4/6/2016

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **1st Quarter Groundwater 2016** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Alkalinity must be run at full volume, use ALK-W-2320B-LL test code. Groundwater project specific DL's: Run NO2/NO3 as a 10X. Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1603480-001A	**MW-37_03222016**	3/22/2016 1020h	3/23/2016 0930h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1603480-001B				**300.0-W**			df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df - wc	
				2 SEL Analytes: ALKB ALKC				
1603480-001C				**TDS-W-2540C**			ww - tds	
				1 SEL Analytes: TDS				
1603480-001D				**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				
1603480-001E				**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				
1603480-002A	**Trip Blank**	3/22/2016	3/23/2016 0930h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				

Printed: 3/24/2016 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed 3/23/16 el

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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.

1603480
AWAL Lab Sample Set #

Page 1 of 1

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		4/6

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Garrin Palmer**
Phone #: **(435) 678-2221** Cell #: 4354599463
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: **1st Quarter Groundwater 2016**
Project #:
PO #:
Sampler Name: **Tanner Holliay**

	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_03222016	3/22/2016	1020	7	W	x	x	x	x	x	x	x	x	x	x	
2	Trip Blank	3/22/2016		3	W										x	
3																
4																
5																
6																
7																
8																
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
2 Ambient or Chilled
3 Temperature 2.8 °C
4 Received Broken/Leaking (Improperly Sealed) Y (N)
5 Properly Preserved (Y) N
Checked at bench Y N
6 Received Within Holding Times (Y) N

COC Tape Was:
1 Present on Outer Package Y N (NA)
2 Unbroken on Outer Package Y N (NA)
3 Present on Sample Y N (NA)
4 Unbroken on Sample Y N (NA)

Discrepancies Between Sample Labels and COC Record? Y (N)

Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name: Garrin Palmer	Time: 0930	Print Name:	Time: 928
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.

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: 1603480

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1																	
Ammonia	pH <2 H_2SO_4	Yes																	
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes																	
NO_2 & NO_3	pH <2 H_2SO_4	Yes																	
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171
F 843.766.1178

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March 10, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 391359

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 12, 2016. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Julie Robinson

Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 391359

March 10, 2016

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary:

Sample receipt: The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on February 12, 2016 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification: The laboratory received the following samples:

Laboratory ID	Client ID
391359001	MW-27_02022016
391359002	MW-32_02032016
391359003	MW-25_02082016
391359004	MW-30_02102016
391359005	MW-35_02102016
391359006	MW-36_02112016
391359007	MW-65_02112016
391359008	MW-11_02082016

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

39139

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 2016	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-27_02022016	2/2/2016	1130	GROSS ALPHA
MW-32_02032016	2/3/2016	1240	GROSS ALPHA
MW-25_02082016	2/8/2016	1250	GROSS ALPHA
MW-30_02102016	2/10/2016	1025	GROSS ALPHA
MW-35_02102016	2/10/2016	1135	GROSS ALPHA
MW-36_02112016	2/11/2016	725	GROSS ALPHA
MW-65_02112016	2/11/2016	725	GROSS ALPHA

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
TANNER/HOLLIDAY Tanner Holliday	2/11/2016 1230	P. Klent	2/12/16 09:15 0930
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL | Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: ONMI	SDG/AR/COC/Work Order: 391359
Received By: P. Dent.	Date Received: 2/12/16

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		X	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 cpm
Classified Radioactive II or III by RSO?		X	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?		X	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		X	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		X	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		X	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		X		Preservation Method: Ice bags Blue ice Dry ice None Other (describe) *all temperatures are recorded in Celsius 10c
2a	Daily check performed and passed on IR temperature gun?	X			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): Q014044436
3	Chain of custody documents included with shipment?	X			
4	Sample containers intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	X			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	Do Low Level Perchlorate samples have headspace as required?		X		Sample ID's and containers affected:
7	VOA vials contain acid preservation?		X		(If unknown, select No)
8	VOA vials free of headspace (defined as < 6mm bubble)?		X		Sample ID's and containers affected:
9	Are Encore containers present?			X	(If yes, immediately deliver to Volatiles laboratory)
10	Samples received within holding time?	X			ID's and tests affected:
11	Sample ID's on COC match ID's on bottles?	X			Sample ID's and containers affected:
12	Date & time on COC match date & time on bottles?	X			Sample ID's affected:
13	Number of containers received match number indicated on COC?	X			Sample ID's affected:
14	Are sample containers identifiable as GEL provided?	X			
15	COC form is properly signed in relinquished/received sections?	X			
16	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 1Z 187 Y4Y 13 9789 1912

Comments (Use Continuation Form if needed):
Lab rec'd extra Containers Not listed on COC ID MW-11_02082016 for G/A-B

PM (or PMA) review: Initials JR Date 2-12-16 Page 1 of 1 GL-CHL-SR-001 Rev 2

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 391359 1st Quarter GW 2016
Client SDG: 391359
Project Manager: Julie Robinson
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 11-MAR-16
Package Due Date: 10-MAR-16
EDD Due Date: 11-MAR-16
Due Date: 11-MAR-16
JAR1

Collector: C
Prelogin #: 20150429171
Project Workdef ID: 1294356
SDG Status: Closed
Logged by:

GEL ID	Client Sample ID	Client Sample Desc.	Collect Date & Time	Receive Date & Time	Time Zone	# of Cont.	Lab Matrix	Fax Due Date	Days to Process	CofC #	Prelog Group	Lab QC	Field QC
391359001	MW-27_02022016		02-FEB-16 11:30	12-FEB-16 09:30	-2	1	GROUND WATER		20		1		
391359002	MW-32_02032016		03-FEB-16 12:40	12-FEB-16 09:30	-2	1	GROUND WATER		20		1		
391359003	MW-25_02082016		08-FEB-16 12:50	12-FEB-16 09:30	-2	1	GROUND WATER		20		1		
391359004	MW-30_02102016		10-FEB-16 10:25	12-FEB-16 09:30	-2	1	GROUND WATER		20		1		
391359005	MW-35_02102016		10-FEB-16 11:35	12-FEB-16 09:30	-2	1	GROUND WATER		20		1		
391359006	MW-36_02112016		11-FEB-16 07:25	12-FEB-16 09:30	-2	1	GROUND WATER		20		1		
391359007	MW-65_02112016		11-FEB-16 07:25	12-FEB-16 09:30	-2	1	GROUND WATER		20		1		
391359008	MW-11_02082016		08-FEB-16 13:45	12-FEB-16 09:30	-2	1	GROUND WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001 MW-27_02022016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	10	
-002 MW-32_02032016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	10	
-003 MW-25_02082016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	10	
-004 MW-30_02102016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	10	
-005 MW-35_02102016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	10	
-006 MW-36_02112016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	10	
-007 MW-65_02112016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	10	
-008 MW-11_02082016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	10	

GEL Laboratories LLC – Login Review Report

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 900.1 Modified
Path: Standard
Product Description: GFPC, Total Alpha Radium, Liquid
Product Reference: Gross Alpha
Samples: 001, 002, 003, 004, 005, 006, 007, 008
Moisture Correction: "As Received"
Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

	Action	Product Name	Description	Samples
Contingent Tests				

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 391359

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1547069

Sample ID	Client ID
391359001	MW-27_02022016
391359002	MW-32_02032016
391359003	MW-25_02082016
391359004	MW-30_02102016
391359005	MW-35_02102016
391359006	MW-36_02112016
391359007	MW-65_02112016
391359008	MW-11_02082016
1203495081	Method Blank (MB)
1203495085	Laboratory Control Sample (LCS)
1203495082	391359002(MW-32_02032016) Sample Duplicate (DUP)
1203495083	391359002(MW-32_02032016) Matrix Spike (MS)
1203495084	391359002(MW-32_02032016) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-010 REV# 15.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

QC Information
All of the QC samples meet the required acceptance limits with the following exceptions: Refer to Data Exception Report (DER). The sample and the duplicate, 1203495082 (MW-32_02032016DUP) and 391359002 (MW-32_02032016) , did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with a value of 1.1395.

Designated QC
The following sample was used for QC: 391359002 (MW-32_02032016).

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Recounts
Samples 1203495083 (MW-32_02032016MS) and 1203495084 (MW-32_02032016MSD) were recounted due to low recovery. The recounts are reported. Samples 391359004 (MW-30_02102016) and 391359005 (MW-35_02102016) were recounted due to results more negative than the three sigma TPU. The second counts are reported.

Miscellaneous Information:

Data Exception (DER) Documentation
Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. The following DER was generated for this SDG: DER 1500549 was generated due to Failed Recovery for MS/MSD and or PS/PSD. 1. The matrix spike and matrix spike duplicate, 1203495083 and 1203495084, do not meet the recovery requirement due to the matrix of the samples. 1. Reporting results

Sample-Specific MDA/MDC
The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments
The matrix spike and matrix spike duplicate, 1203495083 (MW-32_02032016MS) and 1203495084 (MW-32_02032016MSD), 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

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: 391359 GEL Work Order: 391359

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Heather McCarty **Name:** **Heather McCarty**

Date: **10 MAR 2016** **Title:** **Analyst II**

DATA EXCEPTION REPORT

Mo.Day Yr.	Division:	Quality Criteria:	Type:
10-MAR-16	Radiochemistry	Specifications	Process
Instrument Type:	**Test / Method:**	**Matrix Type:**	**Client Code:**
GFPC	EPA 900.1 Modified	Liquid	DNMI
Batch ID:	**Sample Numbers:**		
1547069	See Below		

Potentially affected work order(s)(SDG): 391359

Application Issues:

Failed Recovery for MS/MSD, or PS/PSD

Specification and Requirements Exception Description:	DER Disposition:
1. The matrix spike and matrix spike duplicate, 1203495083 and 1203495084, do not meet the recovery requirement due to the matrix of the samples.	1. Reporting results

Originator's Name:

Nat Long 10-MAR-16

Data Validator/Group Leader:

Kenshalla Oston 10-MAR-16

GEL LABORATORIES LLC

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QC Summary

Report Date: March 10, 2016

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

Contact: **Ms. Kathy Weinel**

Workorder: **391359**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1547069										
QC1203495082 391359002 DUP										
Gross Radium Alpha		2.17		2.70	pCi/L	22.1*		(0%-20%)	AXM6	03/09/16 17:5
	Uncertainty	+/-0.199		+/-0.290						
QC1203495085 LCS										
Gross Radium Alpha	413			392	pCi/L		95.1	(75%-125%)		03/09/16 17:5
	Uncertainty			+/-7.79						
QC1203495081 MB										
Gross Radium Alpha			U	-0.179	pCi/L					03/09/16 17:5
	Uncertainty			+/-0.125						
QC1203495083 391359002 MS										
Gross Radium Alpha	1680	2.17		899	pCi/L		53.4*	(75%-125%)		03/10/16 07:4
	Uncertainty	+/-0.199		+/-18.2						
QC1203495084 391359002 MSD										
Gross Radium Alpha	1680	2.17		974	pCi/L	7.99	57.9*	(0%-20%)		03/10/16 07:4
	Uncertainty	+/-0.199		+/-18.5						

Notes:

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

The Qualifiers in this report are defined as follows:

**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
A	The TIC is a suspected aldol-condensation product
B	For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
F	Estimated Value
H	Analytical holding time was exceeded
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
M	M if above MDC and less than LLD
M	Matrix Related Failure
N/A	RPD or %Recovery limits do not apply.
N1	See case narrative
ND	Analyte concentration is not detected above the detection limit

QC Summary

Workorder: 391359

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier

Q One or more quality control criteria have not been met. Refer to the applicable narrative or DER.

R Sample results are rejected

U Analyte was analyzed for, but not detected above the CRDL.

UI Gamma Spectroscopy--Uncertain identification

UJ Gamma Spectroscopy--Uncertain identification

UL Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.

X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier

Y QC Samples were not spiked with this compound

^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.

h Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

GEL Laboratories LLC
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March 24, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 392120

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on February 26, 2016. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Julie Robinson

Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 392120

March 24, 2016

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary:

Sample receipt: The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on February 26, 2016 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification: The laboratory received the following samples:

Laboratory ID	Client ID
392120001	MW-03_02162016
392120002	MW-14_02152016
392120003	MW-26_02162016
392120004	MW-31_02152016
392120005	MW-70_02152016

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

392120

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 2221
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
1st Quarter GW 2016	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-03_02162016	2/16/2016	1030	Gross Alpha
MW-14_02152016	2/15/2016	1345	Gross Alpha
MW-26_02162016	2/16/2016	1400	Gross Alpha
MW-31_02152016	2/15/2016	1415	Gross Alpha
MW-70_02152016	2/15/2016	1345	Gross Alpha

Comments: Please send report to Kathy Weinel at kweinel@energyfuels.com

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday 2/24/16	~~2/18/2016~~ 1200	Scott Grimball	2/26/16 0900
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	**SDG/AR/COC/Work Order:** 392120
Received By: Sara Grimball	**Date Received:** 2/26/16

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0cpm
Classified Radioactive II or III by RSO?		✓	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		✓		Preservation Method: Ice bags Blue ice Dry ice (None) Other (describe) *all temperatures are recorded in Celsius 8°C
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): E503201583O
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 9522 1188

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials SR Date 2-26-16 Page 1 of 1 GL-CHL-SR-001 Rev 2

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 392120 1st Quarter GW 2016
Client SDG: 392120
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: 25-MAR-16
Package Due Date: 23-MAR-16
EDD Due Date: 25-MAR-16
Due Date: 25-MAR-16
JAR1

Collector: C
Prelogin #: 20150429171
Project Workdef ID: 1294356
SDG Status: Closed
Logged by:

GEL ID	Client Sample ID	Client Sample Desc.	Collect Date & Time	Receive Date & Time	Time Zone	# of Cont.	Lab Matrix	Fax Due Date	Days to Process	CofC #	Prelog Group	Lab QC	Field QC
392120001	MW-03_02162016		16-FEB-16 10:30	26-FEB-16 09:00	-2	1	GROUND WATER		20		1		
392120002	MW-14_02152016		15-FEB-16 13:45	26-FEB-16 09:00	-2	1	GROUND WATER		20		1		
392120003	MW-26_02162016		16-FEB-16 14:00	26-FEB-16 09:00	-2	1	GROUND WATER		20		1		
392120004	MW-31_02152016		15-FEB-16 14:15	26-FEB-16 09:00	-2	1	GROUND WATER		20		1		
392120005	MW-70_02152016		15-FEB-16 13:45	26-FEB-16 09:00	-2	1	GROUND WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001 MW-03_02162016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	8	
-002 MW-14_02152016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	8	
-003 MW-26_02162016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	8	
-004 MW-31_02152016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	8	
-005 MW-70_02152016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	8	

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
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 #: 392120

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1550193

Sample ID	Client ID
392120001	MW-03_02162016
392120002	MW-14_02152016
392120003	MW-26_02162016
392120004	MW-31_02152016
392120005	MW-70_02152016
1203503100	Method Blank (MB)
1203503104	Laboratory Control Sample (LCS)
1203503101	392120004(MW-31_02152016) Sample Duplicate (DUP)
1203503102	392120004(MW-31_02152016) Matrix Spike (MS)
1203503103	392120004(MW-31_02152016) 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: 392120004 (MW-31_02152016).

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, 1203503102 (MW-31_02152016MS) and 1203503103 (MW-31_02152016MSD), 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: 392120 GEL Work Order: 392120

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Heather McCarty **Name: Heather McCarty**

Date: 19 MAR 2016 **Title: Analyst II**

GEL LABORATORIES LLC

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

QC Summary

Report Date: March 19, 2016

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

Contact: **Ms. Kathy Weinel**

Workorder: **392120**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch 1550193											
QC1203503101 392120004 DUP											
Gross Radium Alpha		1.05	U	0.449	pCi/L	80.3		(0% - 100%)	AXM6	03/17/16	16:2
	Uncertainty	+/-0.352		+/-0.299							
QC1203503104 LCS											
Gross Radium Alpha	413			507	pCi/L		123	(75%-125%)		03/17/16	16:2
	Uncertainty			+/-7.79							
QC1203503100 MB											
Gross Radium Alpha			U	-0.118	pCi/L					03/17/16	16:2
	Uncertainty			+/-0.213							
QC1203503102 392120004 MS											
Gross Radium Alpha	1670	1.05		1740	pCi/L		104	(75%-125%)		03/17/16	16:2
	Uncertainty	+/-0.352		+/-28.0							
QC1203503103 392120004 MSD											
Gross Radium Alpha	1670	1.05		1860	pCi/L	6.59	111	(0%-20%)		03/17/16	16:2
	Uncertainty	+/-0.352		+/-28.3							

Notes:

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

The Qualifiers in this report are defined as follows:

**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
A	The TIC is a suspected aldol-condensation product
B	For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
F	Estimated Value
H	Analytical holding time was exceeded
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
M	M if above MDC and less than LLD
M	Matrix Related Failure
N/A	RPD or %Recovery limits do not apply.
N1	See case narrative
ND	Analyte concentration is not detected above the detection limit

QC Summary

Workorder: 392120

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

GEL Laboratories LLC
a member of The GEL Group INC

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April 19, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 393719

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on March 23, 2016. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Julie Robinson

Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 393719

April 19, 2016

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary:

Sample receipt: The sample arrived at GEL Laboratories LLC, Charleston, South Carolina on March 23, 2016 for analysis. The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification: The laboratory received the following sample:

Laboratory ID	Client ID
393719001	MW-37_03222016

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

393719

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 2016	Garrin Palmer	Garrin Palmer

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-37_03222016	3/22/2016	1020	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer Garrin Palmer	3/22/16 1230	P. Nent	3-22-16 0940
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL | Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMF	**SDG/AR/COC/Work Order:** 393719
Received By: P. Nunez	**Date Received:** 3/23/16

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		X	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 cpm
Classified Radioactive II or III by RSO?		X	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?		X	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		X	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		X	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		X	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		X		Preservation Method: Ice bags Blue ice Dry ice None Other (describe) *all temperatures are recorded in Celsius 17C
2a	Daily check performed and passed on IR temperature gun?	X			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): 20140437
3	Chain of custody documents included with shipment?	X			
4	Sample containers intact and sealed?	X			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?		X		Sample ID's and containers affected:
7	VOA vials contain acid preservation?		X		(If unknown, select No)
8	VOA vials free of headspace (defined as < 6mm bubble)?		X		Sample ID's and containers affected:
9	Are Encore containers present?			X	(If yes, immediately deliver to Volatiles laboratory)
10	Samples received within holding time?	X			ID's and tests affected:
11	Sample ID's on COC match ID's on bottles?	X			Sample ID's and containers affected:
12	Date & time on COC match date & time on bottles?	X			Sample ID's affected:
13	Number of containers received match number indicated on COC?	X			Sample ID's affected:
14	Are sample containers identifiable as GEL provided?	X			
15	COC form is properly signed in relinquished/received sections?	X			
16	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 12 187 Y4Y 01 9442 3811

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JTR Date 3-23-16 Page 1 of 1 GL-CHL-SR-001 Rev 2

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 393719 1st Quarter GW 2016
Client SDG: 393719
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-APR-16
Package Due Date: 18-APR-16
EDD Due Date: 20-APR-16
Due Date: 20-APR-16
JAR1

Collector: C
Prelogin #: 20150429171
Project Workdef ID: 1294356
SDG Status: Closed
Logged by:

GEL ID	Client Sample ID	Client Sample Desc.	Collect Date & Time	Receive Date & Time	Time Zone	# of Cont.	Lab Matrix	Fax Due Date	Days to Process	CofC #	Prelog Group	Lab QC	Field QC
393719001	MW-37_03222016		22-MAR-16 10:20	23-MAR-16 09:40	-2	1	GROUND WATER		20		1		

	Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001	MW-37_03222016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
							Temperature (C)	17	

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 #: 393719

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1556931

Sample ID	Client ID
393719001	MW-37_03222016
1203520579	Method Blank (MB)
1203520583	Laboratory Control Sample (LCS)
1203520580	393719001(MW-37_03222016) Sample Duplicate (DUP)
1203520581	393719001(MW-37_03222016) Matrix Spike (MS)
1203520582	393719001(MW-37_03222016) 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 matrix spike and matrix spike duplicate, 1203520581 (MW-37_03222016MS) and 1203520582 (MW-37_03222016MSD) did not meet the relative percent difference requirement; however, they do meet the recovery requirement.

Designated QC
The following sample was used for QC: 393719001 (MW-37_03222016).

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, 1203520581 (MW-37_03222016MS) and 1203520582 (MW-37_03222016MSD), 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: 393719 GEL Work Order: 393719

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Heather McCarty **Name:** **Heather McCarty**

Date: **19 APR 2016** **Title:** **Analyst II**

GEL LABORATORIES LLC

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

QC Summary

Report Date: April 19, 2016

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

Contact: **Ms. Kathy Weinel**

Workorder: **393719**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch 1556931											
QC1203520580 393719001 DUP											
Gross Radium Alpha	U	0.704	U	0.438	pCi/L	N/A			N/A AXM6	04/19/16	11:0
	Uncertainty	+/-0.204		+/-0.181							
QC1203520583 LCS											
Gross Radium Alpha	413			402	pCi/L		97.4	(75%-125%)		04/19/16	11:0
	Uncertainty			+/-4.25							
QC1203520579 MB											
Gross Radium Alpha			U	0.0313	pCi/L					04/19/16	11:0
	Uncertainty			+/-0.101							
QC1203520581 393719001 MS											
Gross Radium Alpha	1670 U	0.704		1730	pCi/L		103	(75%-125%)		04/19/16	11:0
	Uncertainty	+/-0.204		+/-18.6							
QC1203520582 393719001 MSD											
Gross Radium Alpha	1670 U	0.704		1350	pCi/L	24.1*	81.2	(0%-20%)		04/19/16	11:0
	Uncertainty	+/-0.204		+/-15.6							

Notes:

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

The Qualifiers in this report are defined as follows:

**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
A	The TIC is a suspected aldol-condensation product
B	For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
F	Estimated Value
H	Analytical holding time was exceeded
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
M	M if above MDC and less than LLD
M	Matrix Related Failure
N/A	RPD or %Recovery limits do not apply.
N1	See case narrative
ND	Analyte concentration is not detected above the detection limit

QC Summary

Workorder: 393719

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab F

Laboratory Analytical Reports – Accelerated Monitoring

Tab F1

Laboratory Analytical Reports – Accelerated Monitoring

January 2016

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Monthly Ground Water 2016
Lab Sample ID: 1601320-001
Client Sample ID: MW-11_01202016
Collection Date: 1/20/2016 1140h
Received Date: 1/22/2016 1110h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	2/1/2016 1248h	2/4/2016 924h	E200.8	0.0100	**0.197**	

3440 South 700 West
Salt Lake City, UT 84119

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Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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: January Monthly Ground Water 2016
Lab Sample ID: 1601320-002
Client Sample ID: MW-25_01192016
Collection Date: 1/19/2016 1235h
Received Date: 1/22/2016 1110h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	2/1/2016 1248h	2/4/2016 927h	E200.8	0.000500	**0.00137**	
Uranium	mg/L	2/1/2016 1248h	2/4/2016 1023h	E200.8	0.000300	**0.00654**	

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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: January Monthly Ground Water 2016
Lab Sample ID: 1601320-002
Client Sample ID: MW-25_01192016
Collection Date: 1/19/2016 1235h
Received Date: 1/22/2016 1110h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		1/25/2016 1459h	E300.0	10.0	**29.6**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Monthly Ground Water 2016
Lab Sample ID: 1601320-003
Client Sample ID: MW-26_01202016
Collection Date: 1/20/2016 1245h
Received Date: 1/22/2016 1110h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	2/1/2016 1248h	2/4/2016 1026h	E200.8	0.000300	**0.0293**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Monthly Ground Water 2016
Lab Sample ID: 1601320-003
Client Sample ID: MW-26_01202016
Collection Date: 1/20/2016 1245h
Received Date: 1/22/2016 1110h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		1/25/2016 1516h	E300.0	10.0	**63.5**	
Nitrate/Nitrite (as N)	mg/L		1/26/2016 1223h	E353.2	0.0100	**0.943**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Monthly Ground Water 2016
Lab Sample ID: 1601320-003D
Client Sample ID: MW-26_01202016
Collection Date: 1/20/2016 1245h
Received Date: 1/22/2016 1110h

Test Code: 8260-W-DEN100

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

Analyzed: 1/22/2016 1608h
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	**2,370**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	5,150	5,000	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	4,810	5,000	96.3	80-152	
Surr: Dibromofluoromethane	1868-53-7	5,010	5,000	100	80-124	
Surr: Toluene-d8	2037-26-5	4,890	5,000	97.7	77-129	

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

Analyzed: 1/22/2016 1529h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Methylene chloride	75-09-2	1.00	**4.73**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.6	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.8	50.00	99.6	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.9	50.00	99.7	80-124	
Surr: Toluene-d8	2037-26-5	48.3	50.00	96.5	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Monthly Ground Water 2016
Lab Sample ID: 1601320-004
Client Sample ID: MW-30_01202016
Collection Date: 1/20/2016 1030h
Received Date: 1/22/2016 1110h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	2/1/2016 1248h	2/4/2016 930h	E200.8	0.00500	**0.0417**	
Uranium	mg/L	2/1/2016 1248h	2/4/2016 1039h	E200.8	0.000300	**0.00834**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Monthly Ground Water 2016
Lab Sample ID: 1601320-004
Client Sample ID: MW-30_01202016
Collection Date: 1/20/2016 1030h
Received Date: 1/22/2016 1110h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	1/22/2016 1510h	1/25/2016 1407h	E350.1	0.0500	< 0.0500	
Chloride	mg/L		1/25/2016 1244h	E300.0	100	**143**	
Nitrate/Nitrite (as N)	mg/L		1/26/2016 1125h	E353.2	0.100	**14.6**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Monthly Ground Water 2016
Lab Sample ID: 1601320-005
Client Sample ID: MW-31_01192016
Collection Date: 1/19/2016 1400h
Received Date: 1/22/2016 1110h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	2/1/2016 1248h	2/4/2016 933h	E200.8	0.00500	**0.0851**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Monthly Ground Water 2016
Lab Sample ID: 1601320-005
Client Sample ID: MW-31_01192016
Collection Date: 1/19/2016 1400h
Received Date: 1/22/2016 1110h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		1/25/2016 1153h	E300.0	100	**228**	
Nitrate/Nitrite (as N)	mg/L		1/26/2016 1224h	E353.2	0.100	**18.9**	
Sulfate	mg/L		1/25/2016 1153h	E300.0	100	**675**	
Total Dissolved Solids	mg/L		1/22/2016 1400h	SM2540C	20.0	**1,560**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Monthly Ground Water 2016
Lab Sample ID: 1601320-006
Client Sample ID: MW-35_01192016
Collection Date: 1/19/2016 1600h
Received Date: 1/22/2016 1110h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	2/1/2016 1248h	2/4/2016 936h	E200.8	0.0100	**0.211**	
Selenium	mg/L	2/1/2016 1248h	2/4/2016 936h	E200.8	0.00500	**0.00862**	
Thallium	mg/L	2/1/2016 1248h	2/4/2016 1017h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	2/1/2016 1248h	2/4/2016 1032h	E200.8	0.000300	**0.0211**	

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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 17, 2016

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-35_01192016	Project:	DNMI00100
Sample ID:	389865001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	19-JAN-16 16:00		
Receive Date:	22-JAN-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		6.95	+/-0.767	0.982	1.00	pCi/L		AXM6	02/02/16	1237	1539860	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"			77	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Monthly Ground Water 2016
Lab Sample ID: 1601320-007
Client Sample ID: MW-65_01202016
Collection Date: 1/20/2016 1030h
Received Date: 1/22/2016 1110h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	2/1/2016 1248h	2/4/2016 1001h	E200.8	0.00500	**0.0419**	
Uranium	mg/L	2/1/2016 1248h	2/4/2016 1036h	E200.8	0.000300	**0.00802**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Monthly Ground Water 2016
Lab Sample ID: 1601320-007
Client Sample ID: MW-65_01202016
Collection Date: 1/20/2016 1030h
Received Date: 1/22/2016 1110h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	1/22/2016 1510h	1/25/2016 1408h	E350.1	0.0500	< 0.0500	1
Chloride	mg/L		1/25/2016 1335h	E300.0	100	**142**	
Nitrate/Nitrite (as N)	mg/L		1/26/2016 1225h	E353.2	0.100	**16.5**	

[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: January Monthly Ground Water 2016
Lab Sample ID: 1601320-008A
Client Sample ID: Trip Blank
Collection Date: 1/20/2016
Received Date: 1/22/2016 1110h

Test Code: 8260-W-DEN100

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

Analyzed: 1/22/2016 1509h
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	53.1	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.2	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.7	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	49.5	50.00	98.9	77-129	

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American West
ANALYTICAL LABORATORIES

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: January Monthly Ground Water 2016

Dear Garrin Palmer: Lab Set ID: 1601320

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 1/22/2016 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

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: 2016.02.05 13:11:00 -07'00'

Laboratory Director or designee

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Laboratory Director

Jose Rocha
QA Officer

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: January Monthly Ground Water 2016
Lab Set ID: 1601320
Date Received: 1/22/2016 1110h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1601320-001A	MW-11_01202016	1/20/2016 1140h	Aqueous	ICPMS Metals, Dissolved
1601320-002A	MW-25_01192016	1/19/2016 1235h	Aqueous	Anions, E300.0
1601320-002B	MW-25_01192016	1/19/2016 1235h	Aqueous	ICPMS Metals, Dissolved
1601320-003A	MW-26_01202016	1/20/2016 1245h	Aqueous	Nitrite/Nitrate (as N), E353.2
1601320-003B	MW-26_01202016	1/20/2016 1245h	Aqueous	Anions, E300.0
1601320-003C	MW-26_01202016	1/20/2016 1245h	Aqueous	ICPMS Metals, Dissolved
1601320-003D	MW-26_01202016	1/20/2016 1245h	Aqueous	VOA by GC/MS Method 8260C/5030C
1601320-004A	MW-30_01202016	1/20/2016 1030h	Aqueous	Nitrite/Nitrate (as N), E353.2
1601320-004A	MW-30_01202016	1/20/2016 1030h	Aqueous	Ammonia, Aqueous
1601320-004B	MW-30_01202016	1/20/2016 1030h	Aqueous	Anions, E300.0
1601320-004C	MW-30_01202016	1/20/2016 1030h	Aqueous	ICPMS Metals, Dissolved
1601320-005A	MW-31_01192016	1/19/2016 1400h	Aqueous	Nitrite/Nitrate (as N), E353.2
1601320-005B	MW-31_01192016	1/19/2016 1400h	Aqueous	Anions, E300.0
1601320-005C	MW-31_01192016	1/19/2016 1400h	Aqueous	Total Dissolved Solids, A2540C
1601320-005D	MW-31_01192016	1/19/2016 1400h	Aqueous	ICPMS Metals, Dissolved
1601320-006A	MW-35_01192016	1/19/2016 1600h	Aqueous	ICPMS Metals, Dissolved
1601320-007A	MW-65_01202016	1/20/2016 1030h	Aqueous	Nitrite/Nitrate (as N), E353.2
1601320-007A	MW-65_01202016	1/20/2016 1030h	Aqueous	Ammonia, Aqueous
1601320-007B	MW-65_01202016	1/20/2016 1030h	Aqueous	Anions, E300.0
1601320-007C	MW-65_01202016	1/20/2016 1030h	Aqueous	ICPMS Metals, Dissolved
1601320-008A	Trip Blank	1/20/2016	Aqueous	VOA by GC/MS Method 8260C/5030C

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Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	January Monthly Ground Water 2016
Lab Set ID:	1601320

3440 South 700 West
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	1/22/2016
Date(s) of Collection:	1/19 & 1/20/2016
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions: The MS and MSD percent recoveries were outside of control limits on ammonia for sample 1601320-007A due to sample matrix interference.

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

Corrective Action: None required.

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

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QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	January Monthly Ground Water 2016
Lab Set ID:	1601320

Sample Receipt Information:

Date of Receipt:	1/22/2016
Date(s) of Collection:	1/19 & 1/20/2016
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Multiple target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1601320
Project: January Monthly Ground Water 2016

Contact: Garrin Palmer
Dept: ME
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-41327	Date Analyzed:	02/04/2016 921h											
Test Code: 200.8-DIS	Date Prepared:	02/01/2016 1248h											
Cadmium	0.197	mg/L	E200.8	0.000193	0.000500	0.2000	0	98.5	85 - 115				
Manganese	0.198	mg/L	E200.8	0.00153	0.00200	0.2000	0	98.9	85 - 115				
Selenium	0.195	mg/L	E200.8	0.0000634	0.00200	0.2000	0	97.5	85 - 115				
Thallium	0.194	mg/L	E200.8	0.0000242	0.00200	0.2000	0	97.0	85 - 115				
Uranium	0.199	mg/L	E200.8	0.0000112	0.00200	0.2000	0	99.5	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 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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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1601320
Project: January Monthly Ground Water 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MBLK

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**MB-41327**	Date Analyzed:	02/04/2016 1014h											
Test Code:	200.8-DIS	Date Prepared:	02/01/2016 1248h											
Thallium		< 0.000500	mg/L	E200.8	0.00000605	0.000500								
Lab Sample ID:	**MB-41327**	Date Analyzed:	02/04/2016 1020h											
Test Code:	200.8-DIS	Date Prepared:	02/01/2016 1248h											
Uranium		< 0.000200	mg/L	E200.8	0.00000112	0.000200								
Lab Sample ID:	**MB-41327**	Date Analyzed:	02/04/2016 917h											
Test Code:	200.8-DIS	Date Prepared:	02/01/2016 1248h											
Cadmium		< 0.000500	mg/L	E200.8	0.000193	0.000500								
Manganese		< 0.00200	mg/L	E200.8	0.00153	0.00200								
Selenium		< 0.00200	mg/L	E200.8	0.0000634	0.00200								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1601320
Project: January Monthly Ground Water 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1601320-006AMS	Date Analyzed:	02/04/2016 945h											
Test Code: 200.8-DIS	Date Prepared:	02/01/2016 1248h											
Cadmium	0.191	mg/L	E200.8	0.000193	0.000500	0.2000	0	95.5	75 - 125				
Manganese	0.405	mg/L	E200.8	0.00153	0.00200	0.2000	0.211	97.1	75 - 125				
Selenium	0.206	mg/L	E200.8	0.0000634	0.00200	0.2000	0.00862	98.5	75 - 125				
Thallium	0.184	mg/L	E200.8	0.0000242	0.00200	0.2000	0.000386	91.8	75 - 125				
Uranium	0.215	mg/L	E200.8	0.0000112	0.00200	0.2000	0.0211	96.9	75 - 125				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1601320
Project: January Monthly Ground Water 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1601320-006AMSD	Date Analyzed:	02/04/2016 958h											
Test Code: 200.8-DIS	Date Prepared:	02/01/2016 1248h											
Cadmium	0.195	mg/L	E200.8	0.000193	0.000500	0.2000	0	97.5	75 - 125	0.191	1.99	20	
Manganese	0.406	mg/L	E200.8	0.00153	0.00200	0.2000	0.211	97.7	75 - 125	0.405	0.280	20	
Selenium	0.209	mg/L	E200.8	0.0000634	0.00200	0.2000	0.00862	100	75 - 125	0.206	1.50	20	
Thallium	0.189	mg/L	E200.8	0.0000242	0.00200	0.2000	0.000386	94.1	75 - 125	0.184	2.53	20	
Uranium	0.221	mg/L	E200.8	0.0000112	0.00200	0.2000	0.0211	100	75 - 125	0.215	3.04	20	

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1601320
Project: January Monthly Ground Water 2016

Contact: Garrin Palmer
Dept: WC
QC Type: DUP

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1601320-005CDUP Date Analyzed: 01/22/2016 1400h Test Code: TDS-W-2540C													
Total Dissolved Solids	1,580	mg/L	SM2540C	17.5	20.0					1560	1.28	5	

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1601320
Project: January Monthly Ground Water 2016

Contact: Garrin Palmer
Dept: WC
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-R86928	Date Analyzed:	01/25/2016 1119h											
Test Code: 300.0-W													
Chloride	5.25	mg/L	E300.0	0.00751	0.100	5.000	0	105	90 - 110				
Sulfate	5.21	mg/L	E300.0	0.0211	0.750	5.000	0	104	90 - 110				
Lab Sample ID: LCS-41192	Date Analyzed:	01/25/2016 1345h											
Test Code: NH3-W-350.1	Date Prepared:	01/22/2016 1510h											
Ammonia (as N)	10.4	mg/L	E350.1	0.0226	0.0500	10.00	0	104	90 - 110				
Lab Sample ID: LCS-R86948	Date Analyzed:	01/26/2016 1109h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.03	mg/L	E353.2	0.00833	0.0100	1.000	0	103	90 - 110				
Lab Sample ID: LCS-R86949	Date Analyzed:	01/26/2016 1233h											
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-R86900	Date Analyzed:	01/22/2016 1400h											
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: 1601320
Project: January Monthly Ground Water 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R86928 Date Analyzed: 01/25/2016 1103h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.00751	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.0211	0.750								
Lab Sample ID: MB-41192 Date Analyzed: 01/25/2016 1344h													
Test Code: NH3-W-350.1 Date Prepared: 01/22/2016 1510h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0226	0.0500								
Lab Sample ID: MB-R86948 Date Analyzed: 01/26/2016 1108h													
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-R86949 Date Analyzed: 01/26/2016 1232h													
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-R86900 Date Analyzed: 01/22/2016 1400h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1601320
Project: January Monthly Ground Water 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1601320-005BMS Date Analyzed: 01/25/2016 1210h													
Test Code: 300.0-W													
Chloride	1,220	mg/L	E300.0	1.50	20.0	1,000	228	99.6	90 - 110				
Sulfate	1,640	mg/L	E300.0	4.22	150	1,000	675	96.6	90 - 110				
Lab Sample ID: 1601320-007AMS Date Analyzed: 01/25/2016 1419h													
Test Code: NH3-W-350.1 Date Prepared: 01/22/2016 1510h													
Ammonia (as N)	12.3	mg/L	E350.1	0.0251	0.0556	10.00	0.0488	123	90 - 110				1
Lab Sample ID: 1601313-001AMS Date Analyzed: 01/26/2016 1115h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	14.6	mg/L	E353.2	0.0833	0.100	10.00	4.74	99.0	90 - 110				
Lab Sample ID: 1601320-003AMS Date Analyzed: 01/26/2016 1230h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.4	mg/L	E353.2	0.0833	0.100	10.00	0.943	104	90 - 110				

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

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

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1601320
Project: January Monthly Ground Water 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MSD

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1601320-005BMSD**	Date Analyzed:	01/25/2016 1227h											
Test Code:	300.0-W													
Chloride		1,260	mg/L	E300.0	1.50	20.0	1,000	228	103	90 - 110	1220	2.96	20	
Sulfate		1,700	mg/L	E300.0	4.22	150	1,000	675	103	90 - 110	1640	3.66	20	
Lab Sample ID:	**1601320-007AMSD**	Date Analyzed:	01/25/2016 1420h											
Test Code:	NH3-W-350.1	Date Prepared:	01/22/2016 1510h											
Ammonia (as N)		12.6	mg/L	E350.1	0.0251	0.0556	10.00	0.0488	126	90 - 110	12.3	2.09	10	1
Lab Sample ID:	**1601313-001AMSD**	Date Analyzed:	01/26/2016 1116h											
Test Code:	NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)		15.2	mg/L	E353.2	0.0833	0.100	10.00	4.74	104	90 - 110	14.6	3.62	10	
Lab Sample ID:	**1601320-003AMSD**	Date Analyzed:	01/26/2016 1231h											
Test Code:	NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)		11.2	mg/L	E353.2	0.0833	0.100	10.00	0.943	103	90 - 110	11.4	1.41	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: 1601320
Project: January Monthly Ground Water 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS VOC-1 012216A Date Analyzed: 01/22/2016 1326h													
Test Code: 8260-W-DEN100													
Chloroform	22.1	µg/L	SW8260C	0.153	1.00	20.00	0	110	85 - 124				
Methylene chloride	21.7	µg/L	SW8260C	0.172	1.00	20.00	0	108	81 - 135				
Surr: 1,2-Dichloroethane-d4	51.5	µg/L	SW8260C			50.00		103	80 - 122				
Surr: 4-Bromofluorobenzene	50.6	µg/L	SW8260C			50.00		101	85 - 121				
Surr: Dibromofluoromethane	50.4	µg/L	SW8260C			50.00		101	80 - 116				
Surr: Toluene-d8	49.9	µg/L	SW8260C			50.00		99.7	81 - 123				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1601320
Project: January Monthly Ground Water 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB VOC-1 012216A Date Analyzed: 01/22/2016 1405h 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	51.3	µg/L	SW8260C			50.00		103	80 - 122				
Surr: 4-Bromofluorobenzene	50.9	µg/L	SW8260C			50.00		102	85 - 121				
Surr: Dibromofluoromethane	49.6	µg/L	SW8260C			50.00		99.2	80 - 116				
Surr: Toluene-d8	49.7	µg/L	SW8260C			50.00		99.4	81 - 123				

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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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1601320
Project: January Monthly Ground Water 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1601320-003DMS Date Analyzed: 01/22/2016 1627h Test Code: 8260-W-DEN100													
Chloroform	4,570	µg/L	SW8260C	15.3	100	2,000	2370	110	50 - 146				
Methylene chloride	2,280	µg/L	SW8260C	17.2	100	2,000	4.73	114	30 - 192				
Surr: 1,2-Dichloroethane-d4	5,190	µg/L	SW8260C			5,000		104	72 - 151				
Surr: 4-Bromofluorobenzene	4,910	µg/L	SW8260C			5,000		98.1	80 - 152				
Surr: Dibromofluoromethane	5,030	µg/L	SW8260C			5,000		101	80 - 124				
Surr: Toluene-d8	4,900	µg/L	SW8260C			5,000		98.1	77 - 129				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1601320
Project: January Monthly Ground Water 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1601320-003DMSD Date Analyzed: 01/22/2016 1647h													
Test Code: 8260-W-DEN100													
Chloroform	4,640	µg/L	SW8260C	15.3	100	2,000	2370	114	50 - 146	4570	1.65	25	
Methylene chloride	2,310	µg/L	SW8260C	17.2	100	2,000	4.73	115	30 - 192	2280	1.18	25	
Surr: 1,2-Dichloroethane-d4	5,150	µg/L	SW8260C			5,000		103	72 - 151				
Surr: 4-Bromofluorobenzene	4,980	µg/L	SW8260C			5,000		99.7	80 - 152				
Surr: Dibromofluoromethane	5,060	µg/L	SW8260C			5,000		101	80 - 124				
Surr: Toluene-d8	4,930	µg/L	SW8260C			5,000		98.6	77 - 129				

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American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1601320**

Client: Energy Fuels Resources, Inc. Due Date: 2/5/2016

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **January Monthly Ground Water 2016** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Groundwater project specific DL's: Run NO2/NO3 as a 10X. Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.; DB

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1601320-001A	**MW-11_01202016**	1/20/2016 1140h	1/22/2016 1110h	**200.8-DIS**	Aqueous		df - dis met	1
				1 SEL Analytes: MN				
				200.8-DIS-PR			df - dis met	
1601320-002A	**MW-25_01192016**	1/19/2016 1235h	1/22/2016 1110h	**300.0-W**	Aqueous		df - cl	1
				1 SEL Analytes: CL				
1601320-002B				**200.8-DIS**			df - dis met	
				2 SEL Analytes: CD U				
				200.8-DIS-PR			df - dis met	
1601320-003A	**MW-26_01202016**	1/20/2016 1245h	1/22/2016 1110h	**NO2/NO3-W-353.2**	Aqueous		df - no2/no3	1
				1 SEL Analytes: NO3NO2N				
1601320-003B				**300.0-W**			df - cl	
				1 SEL Analytes: CL				
1601320-003C				**200.8-DIS**			df - dis met	
				1 SEL Analytes: U				
				200.8-DIS-PR			df - dis met	
1601320-003D				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				
1601320-004A	**MW-30_01202016**	1/20/2016 1030h	1/22/2016 1110h	**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				
1601320-004B				**300.0-W**			df - cl	
				1 SEL Analytes: CL				
1601320-004C				**200.8-DIS**			df - dis met	
				2 SEL Analytes: SE U				
				200.8-DIS-PR			df - dis met	
1601320-005A	**MW-31_01192016**	1/19/2016 1400h	1/22/2016 1110h	**NO2/NO3-W-353.2**	Aqueous		df - no2/no3	1
				1 SEL Analytes: NO3NO2N				

Printed: 1/22/2016 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☑ RT ☑ CN ☑ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed DB 1/22/16

WORK ORDER Summary

Work Order: **1601320**

Client: Energy Fuels Resources, Inc. Due Date: 2/5/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1601320-005B	**MW-31_01192016**	1/19/2016 1400h	1/22/2016 1110h	**300.0-W**	Aqueous		df - cl	1
				2 SEL Analytes: CL SO4				
1601320-005C				**TDS-W-2540C**			df - tds	
				1 SEL Analytes: TDS				
1601320-005D				**200.8-DIS**			df -df - metals	
				1 SEL Analytes: SE				
				200.8-DIS-PR			df -df - metals	
1601320-006A	**MW-35_01192016**	1/19/2016 1600h	1/22/2016 1110h	**200.8-DIS**	Aqueous		df - dis met	1
				4 SEL Analytes: MN SE TL U				
				200.8-DIS-PR			df - dis met	
1601320-007A	**MW-65_01202016**	1/20/2016 1030h	1/22/2016 1110h	**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				
1601320-007B				**300.0-W**			df - cl	
				1 SEL Analytes: CL				
1601320-007C				**200.8-DIS**			df - dis met	
				2 SEL Analytes: SE U				
				200.8-DIS-PR			df - dis met	
1601320-008A	**Trip Blank**	1/20/2016	1/22/2016 1110h	**8260-W-DEN100**	Aqueous		VOCFridge	2
				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.

1601320
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		2/5/16

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Garrin Palmer**
Phone #: **(435) 678-2221** Cell #:
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: **January Monthly Ground Water 2016**
Project #:
PO #:
Sampler Name: **Tanner Holliday**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Dissolved Manganese (200.7/200.8)	Cl (4500 or 300.0)	NH3 (4500G or 350.1)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Dissolved Thallium (200.7/200.8)	SO_4 (4500 or 300.0)	VOCs Chloroform, Dichloromethane, (8260C)	Known Hazards & Sample Comments
1 MW-11_01202016	1/20/2016	1140	1	W		X										
2 MW-25_01192016	1/19/2016	1235	1	W			X			X	X					
4 MW-26_01202016	1/20/2016	1245	6	W	X		X			X					X	
5 MW-30_01202016	1/20/2016	1030	3	W	X		X	X		X		X				
6 MW-31_01192016	1/19/2016	1400	4	W	X		X		X			X		X		
7 MW-35_01192016	1/19/2016	1600	1	W		X				X		X	X			
8 MW-65_01202016	1/20/2016	1030	3	W	X		X	X		X		X				
9 TRIP BLANK *	1/20/2016		3	W											X	*one vial received broken - DB 1/22/16
10 TEMP BLANK	1/21/2016		1	W												
11																
12																

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered DB 1/22/16
2 Ambient or Chilled
3 Temperature 0.8 °C
4 Received Broken/Leaking (Improperly Sealed) Y N 1 TripBlank Vial DB 1/22/16
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:
Print Name: TANNER HOLLIDAY	1/21/2016	1200	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 Denise Bruun	Date: 1/22/16	Time: 11:10
Print Name:			Print Name: Denise Bruun		

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: 1601320

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	-001	-002	-003	-004	-005	-006	-007											
Ammonia	pH <2 H_2SO_4				yes	yes		yes											
COD	pH <2 H_2SO_4					AB 1/22/16													
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 > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171
F 843.766.1178

gel.com

February 18, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 389865

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on January 22, 2016. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Julie Robinson

Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 389865

February 18, 2016

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary:

Sample receipt: The sample arrived at GEL Laboratories LLC, Charleston, South Carolina on January 22, 2016 for analysis. The sample was delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification: The laboratory received the following sample:

Laboratory ID	Client ID
389865001	MW-35_01192016

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

389865

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
January Monthly GW 2016	Garrin Palmer	Garrin Palmer

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-35_01192016	1/19/2016	1600	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer	1/20/16 1300		
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI			**SDG/AR/COC/Work Order:** 389865
Received By: Shanta Mack			**Date Received:** 1/22/16 9:20
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): 30 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 19c
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): ES03201585 35
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Sample ID's, containers affected and observed pH: 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 187 444 13 9561 7258

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials SR Date 1-22-16 Page 1 of 1 GL-CHL-SR-001 Rev 2

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 389865 January Monthly GW 2016
Client SDG: 389865
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: 19-FEB-16
Package Due Date: 16-FEB-16
EDD Due Date: 19-FEB-16
Due Date: 19-FEB-16
JAR1

Collector: C
Prelogin #: 20150429171
Project Workdef ID: 1294356
SDG Status: Closed
Logged by:

GEL ID	Client Sample ID	Client Sample Desc.	Collect Date & Time	Receive Date & Time	Time Zone	# of Cont.	Lab Matrix	Fax Due Date	Days to Process	CofC #	Prelog Group	Lab QC	Field QC
389865001	MW-35_01192016		19-JAN-16 16:00	22-JAN-16 09:20	-2	1	GROUND WATER		20		1		

	Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001	MW-35_01192016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	

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 #: 389865

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1539860

Sample ID	Client ID
389865001	MW-35_01192016
1203475204	Method Blank (MB)
1203475208	Laboratory Control Sample (LCS)
1203475205	389865001(MW-35_01192016) Sample Duplicate (DUP)
1203475206	389865001(MW-35_01192016) Matrix Spike (MS)
1203475207	389865001(MW-35_01192016) 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: 389865001 (MW-35_01192016).

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, 1203475206 (MW-35_01192016MS) and 1203475207 (MW-35_01192016MSD), 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: 389865 GEL Work Order: 389865

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: 17 FEB 2016 **Title: Group Leader**

GEL LABORATORIES LLC

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

QC Summary

Report Date: February 17, 2016

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

Contact: **Ms. Kathy Weinel**

Workorder: **389865**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1539860										
QC1203475205 389865001 DUP										
Gross Radium Alpha		6.95		7.16	pCi/L	2.95		(0%-20%)	AXM6	02/02/16 12:3
	Uncertainty	+/-0.767		+/-0.722						
QC1203475208 LCS										
Gross Radium Alpha	413			354	pCi/L		85.9	(75%-125%)		02/02/16 12:3
	Uncertainty			+/-7.82						
QC1203475204 MB										
Gross Radium Alpha			U	0.473	pCi/L					02/02/16 12:3
	Uncertainty			+/-0.295						
QC1203475206 389865001 MS										
Gross Radium Alpha	1660	6.95		1440	pCi/L		86	(75%-125%)		02/02/16 12:3
	Uncertainty	+/-0.767		+/-27.7						
QC1203475207 389865001 MSD										
Gross Radium Alpha	1660	6.95		1430	pCi/L	0.109	85.9	(0%-20%)		02/02/16 12:3
	Uncertainty	+/-0.767		+/-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
M	Matrix Related Failure
N/A	RPD or %Recovery limits do not apply.
N1	See case narrative
ND	Analyte concentration is not detected above the detection limit

QC Summary

Workorder: 389865

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab F2

Laboratory Analytical Reports – Accelerated Monitoring

March 2016

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Monthly Groundwater 2016
Lab Sample ID: 1603110-001
Client Sample ID: MW-11_03032016
Collection Date: 3/3/2016 1050h
Received Date: 3/4/2016 1015h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	3/7/2016 1332h	3/11/2016 1051h	E200.8	0.0100	**0.155**	

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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 Monthly Groundwater 2016
Lab Sample ID: 1603110-002
Client Sample ID: MW-25_03022016
Collection Date: 3/2/2016 1010h
Received Date: 3/4/2016 1015h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	3/7/2016 1332h	3/11/2016 1054h	E200.8	0.000500	**0.00142**	
Uranium	mg/L	3/7/2016 1332h	3/11/2016 1203h	E200.8	0.000300	**0.00622**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Monthly Groundwater 2016
Lab Sample ID: 1603110-002
Client Sample ID: MW-25_03022016
Collection Date: 3/2/2016 1010h
Received Date: 3/4/2016 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/8/2016 2321h	E300.0	10.0	**30.9**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Monthly Groundwater 2016
Lab Sample ID: 1603110-003
Client Sample ID: MW-26_03022016
Collection Date: 3/2/2016 945h
Received Date: 3/4/2016 1015h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	3/7/2016 1332h	3/11/2016 1207h	E200.8	0.000300	**0.0677**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Monthly Groundwater 2016
Lab Sample ID: 1603110-003
Client Sample ID: MW-26_03022016
Collection Date: 3/2/2016 945h
Received Date: 3/4/2016 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/8/2016 2339h	E300.0	10.0	**76.8**	
Nitrate/Nitrite (as N)	mg/L		3/7/2016 1259h	E353.2	0.100	**1.95**	

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Laboratory Director

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QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Monthly Groundwater 2016
Lab Sample ID: 1603110-003D
Client Sample ID: MW-26_03022016
Collection Date: 3/2/2016 945h
Received Date: 3/4/2016 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/7/2016 1241h
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	**2,280**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	5,280	5,000	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	5,260	5,000	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	5,170	5,000	103	80-124	
Surr: Toluene-d8	2037-26-5	5,010	5,000	100	77-129	

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

Analyzed: 3/7/2016 1005h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Methylene chloride	75-09-2	1.00	**3.93**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.6	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	55.0	50.00	110	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.5	50.00	103	80-124	
Surr: Toluene-d8	2037-26-5	51.7	50.00	103	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Monthly Groundwater 2016
Lab Sample ID: 1603110-004
Client Sample ID: MW-30_03022016
Collection Date: 3/2/2016 1410h
Received Date: 3/4/2016 1015h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	3/7/2016 1332h	3/11/2016 1058h	E200.8	0.00500	**0.0432**	
Uranium	mg/L	3/7/2016 1332h	3/11/2016 1210h	E200.8	0.000300	**0.00782**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Monthly Groundwater 2016
Lab Sample ID: 1603110-004
Client Sample ID: MW-30_03022016
Collection Date: 3/2/2016 1410h
Received Date: 3/4/2016 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	3/8/2016 950h	3/8/2016 1348h	E350.1	0.0500	< 0.0500	'
Chloride	mg/L		3/8/2016 2031h	E300.0	100	**14,200**	
Fluoride	mg/L		3/8/2016 2031h	E300.0	10.0	< 10.0	^
Nitrate/Nitrite (as N)	mg/L		3/7/2016 1302h	E353.2	0.200	**17.8**	

^ - Reissue of a previously generated report. Information has been added, updated, or revised. Information herein supersedes that of the previously issued reports.

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

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Monthly Groundwater 2016
Lab Sample ID: 1603110-005
Client Sample ID: MW-31_03022016
Collection Date: 3/2/2016 1240h
Received Date: 3/4/2016 1015h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	3/7/2016 1332h	3/11/2016 1101h	E200.8	0.00500	**0.0857**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Monthly Groundwater 2016
Lab Sample ID: 1603110-005
Client Sample ID: MW-31_03022016
Collection Date: 3/2/2016 1240h
Received Date: 3/4/2016 1015h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		3/8/2016 2048h	E300.0	100	**228**	
Nitrate/Nitrite (as N)	mg/L		3/7/2016 1303h	E353.2	1.00	**18.0**	
Sulfate	mg/L		3/8/2016 2048h	E300.0	100	**654**	
Total Dissolved Solids	mg/L		3/4/2016 1300h	SM2540C	20.0	**1,580**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Monthly Groundwater 2016
Lab Sample ID: 1603110-006
Client Sample ID: MW-35_03022016
Collection Date: 3/2/2016 1445h
Received Date: 3/4/2016 1015h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	3/7/2016 1332h	3/11/2016 1104h	E200.8	0.0100	**0.194**	
Selenium	mg/L	3/7/2016 1332h	3/11/2016 1104h	E200.8	0.00500	**0.0202**	
Thallium	mg/L	3/7/2016 1332h	3/11/2016 1145h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	3/7/2016 1332h	3/11/2016 1213h	E200.8	0.000300	**0.0218**	

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Certificate of Analysis

Report Date: March 30, 2016

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-35_03022016	Project:	DNMI00100
Sample ID:	392635001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	02-MAR-16 14:45		
Receive Date:	07-MAR-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		3.88	+/-0.416	0.579	1.00	pCi/L		AXM6	03/28/16	1337	1551954	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			98	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Monthly Groundwater 2016
Lab Sample ID: 1603110-007
Client Sample ID: MW-65_03022016
Collection Date: 3/2/2016 1445h
Received Date: 3/4/2016 1015h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	3/7/2016 1332h	3/11/2016 1129h	E200.8	0.0100	**0.198**	
Selenium	mg/L	3/7/2016 1332h	3/11/2016 1129h	E200.8	0.00500	**0.0209**	
Thallium	mg/L	3/7/2016 1332h	3/11/2016 1148h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	3/7/2016 1332h	3/11/2016 1216h	E200.8	0.000300	**0.0214**	

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Certificate of Analysis

Report Date: March 30, 2016

Company :	Energy Fuels Resources (USA), Inc.
Address :	225 Union Boulevard Suite 600 Lakewood, Colorado 80228
Contact:	Ms. Kathy Weinel
Project:	White Mesa Mill GW

Client Sample ID:	MW-65_03022016	Project:	DNMI00100
Sample ID:	392635002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	02-MAR-16 14:45		
Receive Date:	07-MAR-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		4.63	+/-0.456	0.578	1.00	pCi/L		AXM6	03/28/16	1337	1551954	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"			97.6	(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.

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QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Monthly Groundwater 2016
Lab Sample ID: 1603110-008A
Client Sample ID: Trip Blank
Collection Date: 3/2/2016
Received Date: 3/4/2016 1015h

Test Code: 8260-W-DEN100

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

Analyzed: 3/7/2016 1024h
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	53.2	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.3	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	53.1	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	51.7	50.00	103	77-129	

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American West
ANALYTICAL LABORATORIES

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

RE: March Monthly Groundwater 2016

Dear Garrin Palmer: Lab Set ID: 1603110

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories received sample(s) on 3/4/2016 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

This is a revision to a report originally issued 3/18/2016. Pages 1, 14, and 23-26 have been revised to include fluoride.

Thank You,

Approved by: Kyle F. Gross Digitally signed by Kyle F. Gross Date: 2016.04.28 11:29:06 -06'00'

Laboratory Director or designee

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SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: March Monthly Groundwater 2016
Lab Set ID: 1603110
Date Received: 3/4/2016 1015h

3440 South 700 West
Salt Lake City, UT 84119

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1603110-001A	MW-11_03032016	3/3/2016	1050h	Aqueous	ICPMS Metals, Dissolved
1603110-002A	MW-25_03022016	3/2/2016	1010h	Aqueous	ICPMS Metals, Dissolved
1603110-002B	MW-25_03022016	3/2/2016	1010h	Aqueous	Anions, E300.0
1603110-003A	MW-26_03022016	3/2/2016	945h	Aqueous	ICPMS Metals, Dissolved
1603110-003B	MW-26_03022016	3/2/2016	945h	Aqueous	Anions, E300.0
1603110-003C	MW-26_03022016	3/2/2016	945h	Aqueous	Nitrite/Nitrate (as N), E353.2
1603110-003D	MW-26_03022016	3/2/2016	945h	Aqueous	VOA by GC/MS Method 8260C/5030C
1603110-004A	MW-30_03022016	3/2/2016	1410h	Aqueous	ICPMS Metals, Dissolved
1603110-004B	MW-30_03022016	3/2/2016	1410h	Aqueous	Anions, E300.0
1603110-004C	MW-30_03022016	3/2/2016	1410h	Aqueous	Ammonia, Aqueous
1603110-004C	MW-30_03022016	3/2/2016	1410h	Aqueous	Nitrite/Nitrate (as N), E353.2
1603110-005A	MW-31_03022016	3/2/2016	1240h	Aqueous	ICPMS Metals, Dissolved
1603110-005B	MW-31_03022016	3/2/2016	1240h	Aqueous	Anions, E300.0
1603110-005C	MW-31_03022016	3/2/2016	1240h	Aqueous	Nitrite/Nitrate (as N), E353.2
1603110-005D	MW-31_03022016	3/2/2016	1240h	Aqueous	Total Dissolved Solids, A2540C
1603110-006A	MW-35_03022016	3/2/2016	1445h	Aqueous	ICPMS Metals, Dissolved
1603110-007A	MW-65_03022016	3/2/2016	1445h	Aqueous	ICPMS Metals, Dissolved
1603110-008A	Trip Blank	3/2/2016		Aqueous	VOA by GC/MS Method 8260C/5030C

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Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	March Monthly Groundwater 2016
Lab Set ID:	1603110

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Salt Lake City, UT 84119

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	3/4/2016
Date(s) of Collection:	3/2 & 3/3/2016
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exceptions: The MS and MSD percent recoveries were outside of control limits on ammonia due to matrix interference for sample 1603110-004C.

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:	March Monthly Groundwater 2016
Lab Set ID:	1603110

Sample Receipt Information:

Date of Receipt:	3/4/2016
Date(s) of Collection:	3/2 & 3/3/2016
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Multiple target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603110
Project: March Monthly Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS-41799	Date Analyzed:	03/11/2016 1048h											
Test Code: 200.8-DIS	Date Prepared:	03/07/2016 1332h											
Cadmium	0.210	mg/L	E200.8	0.0000666	0.000500	0.2000	0	105	85 - 115				
Manganese	0.210	mg/L	E200.8	0.000560	0.00200	0.2000	0	105	85 - 115				
Selenium	0.214	mg/L	E200.8	0.000310	0.00200	0.2000	0	107	85 - 115				
Thallium	0.192	mg/L	E200.8	0.0000500	0.00200	0.2000	0	96.1	85 - 115				
Uranium	0.201	mg/L	E200.8	0.0000710	0.00200	0.2000	0	101	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: 1603110
Project: March Monthly Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MBLK

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**MB-41799**	Date Analyzed:	03/11/2016 1045h											
Test Code:	200.8-DIS	Date Prepared:	03/07/2016 1332h											
Cadmium		< 0.000500	mg/L	E200.8	0.0000666	0.000500								
Manganese		< 0.00200	mg/L	E200.8	0.000560	0.00200								
Selenium		< 0.00200	mg/L	E200.8	0.000310	0.00200								
Lab Sample ID:	**MB-41799**	Date Analyzed:	03/11/2016 1141h											
Test Code:	200.8-DIS	Date Prepared:	03/07/2016 1332h											
Thallium		< 0.000500	mg/L	E200.8	0.0000125	0.000500								
Lab Sample ID:	**MB-41799**	Date Analyzed:	03/11/2016 1254h											
Test Code:	200.8-DIS	Date Prepared:	03/07/2016 1332h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603110
Project: March Monthly Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1603110-006AMS**	Date Analyzed:	03/11/2016 1113h											
Test Code:	200.8-DIS	Date Prepared:	03/07/2016 1332h											
Cadmium		0.201	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000562	100	75 - 125				
Manganese		0.393	mg/L	E200.8	0.000560	0.00200	0.2000	0.194	99.5	75 - 125				
Selenium		0.229	mg/L	E200.8	0.000310	0.00200	0.2000	0.0202	104	75 - 125				
Thallium		0.182	mg/L	E200.8	0.0000500	0.00200	0.2000	0	90.9	75 - 125				
Uranium		0.221	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0218	99.5	75 - 125				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603110
Project: March Monthly Groundwater 2016

Contact: Garrin Palmer
Dept: ME
QC Type: MSD

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1603110-006AMSD**	Date Analyzed:	03/11/2016 1126h											
Test Code:	200.8-DIS	Date Prepared:	03/07/2016 1332h											
Cadmium		0.201	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000562	100	75 - 125	0.201	0.0526	20	
Manganese		0.392	mg/L	E200.8	0.000560	0.00200	0.2000	0.194	99.1	75 - 125	0.393	0.211	20	
Selenium		0.231	mg/L	E200.8	0.000310	0.00200	0.2000	0.0202	105	75 - 125	0.229	0.943	20	
Thallium		0.181	mg/L	E200.8	0.0000500	0.00200	0.2000	0	90.5	75 - 125	0.182	0.434	20	
Uranium		0.220	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0218	99.2	75 - 125	0.221	0.293	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: 1603110
Project: March Monthly Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: DUP

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1603110-005DDUP Date Analyzed: 03/04/2016 1300h Test Code: TDS-W-2540C													
Total Dissolved Solids	1,610	mg/L	SM2540C	17.5	20.0					1580	2.01	5	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603110
Project: March Monthly Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: LCS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**LCS-R88095**	Date Analyzed:	03/08/2016 1347h											
Test Code:	300.0-W													
Chloride		4.98	mg/L	E300.0	0.00516	0.100	5.000	0	99.6	90 - 110				
Fluoride		4.93	mg/L	E300.0	0.0139	0.100	5.000	0	98.6	90 - 110				^
Sulfate		5.08	mg/L	E300.0	0.0201	0.750	5.000	0	102	90 - 110				
Lab Sample ID:	**LCS-41810**	Date Analyzed:	03/08/2016 1324h											
Test Code:	NH3-W-350.1	Date Prepared:	03/08/2016 950h											
Ammonia (as N)		9.77	mg/L	E350.1	0.0185	0.0500	10.00	0	97.7	90 - 110				
Lab Sample ID:	**LCS-R88003**	Date Analyzed:	03/07/2016 1317h											
Test Code:	NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)		0.968	mg/L	E353.2	0.00833	0.0100	1.000	0	96.8	90 - 110				
Lab Sample ID:	**LCS-R88007**	Date Analyzed:	03/04/2016 1300h											
Test Code:	TDS-W-2540C													
Total Dissolved Solids		214	mg/L	SM2540C	8.77	10.0	205.0	0	104	80 - 120				

^ - *Reissue of a previously generated report. Information has been added, updated, or revised. Information herein supersedes that of the previously issued reports.*

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603110
Project: March Monthly Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB-R88095	Date Analyzed:	03/08/2016 1330h											
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-41810	Date Analyzed:	03/08/2016 1341h											
Test Code: NH3-W-350.1	Date Prepared:	03/08/2016 950h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-R88003	Date Analyzed:	03/07/2016 1316h											
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-R88007	Date Analyzed:	03/04/2016 1300h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603110
Project: March Monthly Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MS

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1603110-005BMS**	Date Analyzed:	03/08/2016 2105h											
Test Code:	300.0-W													
Chloride		1,240	mg/L	E300.0	1.03	20.0	1,000	228	101	90 - 110				
Fluoride		996	mg/L	E300.0	2.78	20.0	1,000	0	99.6	90 - 110				^
Sulfate		1,650	mg/L	E300.0	4.02	150	1,000	654	99.2	90 - 110				
Lab Sample ID:	**1603110-004CMS**	Date Analyzed:	03/08/2016 1355h											
Test Code:	NH3-W-350.1	Date Prepared:	03/08/2016 950h											
Ammonia (as N)		12.7	mg/L	E350.1	0.0206	0.0556	11.11	0.0362	114	90 - 110				!
Lab Sample ID:	**1603110-003CMS**	Date Analyzed:	03/07/2016 1300h											
Test Code:	NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)		12.4	mg/L	E353.2	0.0833	0.100	10.00	1.95	104	90 - 110				

^ - Reissue of a previously generated report. Information has been added, updated, or revised. Information herein supersedes that of the previously issued reports.

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

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603110
Project: March Monthly Groundwater 2016

Contact: Garrin Palmer
Dept: WC
QC Type: MSD

Analyte		Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID:	**1603110-005BMSD**	Date Analyzed:	03/08/2016 2122h											
Test Code:	300.0-W													
Chloride		1,230	mg/L	E300.0	1.03	20.0	1,000	228	100	90 - 110	1240	0.663	20	
Fluoride		995	mg/L	E300.0	2.78	20.0	1,000	0	99.5	90 - 110	996	0.0966	20	^
Sulfate		1,630	mg/L	E300.0	4.02	150	1,000	654	98.1	90 - 110	1650	0.662	20	
Lab Sample ID:	**1603110-004CMSD**	Date Analyzed:	03/08/2016 1356h											
Test Code:	NH3-W-350.1	Date Prepared:	03/08/2016 950h											
Ammonia (as N)		12.5	mg/L	E350.1	0.0206	0.0556	11.11	0.0362	112	90 - 110	12.7	2.14	10	!
Lab Sample ID:	**1603110-003CMSD**	Date Analyzed:	03/07/2016 1301h											
Test Code:	NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)		11.9	mg/L	E353.2	0.0833	0.100	10.00	1.95	99.0	90 - 110	12.4	4.29	10	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603110
Project: March Monthly Groundwater 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: LCS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: LCS VOC-1 030716A Date Analyzed: 03/07/2016 749h													
Test Code: 8260-W-DEN100													
Chloroform	22.0	µg/L	SW8260C	0.153	1.00	20.00	0	110	85 - 124				
Methylene chloride	22.4	µg/L	SW8260C	0.172	1.00	20.00	0	112	81 - 135				
Surr: 1,2-Dichloroethane-d4	50.5	µg/L	SW8260C			50.00		101	80 - 122				
Surr: 4-Bromofluorobenzene	51.3	µg/L	SW8260C			50.00		103	85 - 121				
Surr: Dibromofluoromethane	51.2	µg/L	SW8260C			50.00		102	80 - 116				
Surr: Toluene-d8	51.5	µg/L	SW8260C			50.00		103	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: 1603110
Project: March Monthly Groundwater 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MBLK

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: MB VOC-1 030716A	Date Analyzed:	03/07/2016 827h											
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	53.0	µg/L	SW8260C			50.00		106	80 - 122				
Surr: 4-Bromofluorobenzene	53.6	µg/L	SW8260C			50.00		107	85 - 121				
Surr: Dibromofluoromethane	52.4	µg/L	SW8260C			50.00		105	80 - 116				
Surr: Toluene-d8	51.8	µg/L	SW8260C			50.00		104	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: 1603110
Project: March Monthly Groundwater 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MS

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1603110-003DMS Date Analyzed: 03/07/2016 1301h													
Test Code: 8260-W-DEN100													
Chloroform	4,360	µg/L	SW8260C	15.3	100	2,000	2280	104	50 - 146				
Methylene chloride	2,310	µg/L	SW8260C	17.2	100	2,000	0	116	30 - 192				
Surr: 1,2-Dichloroethane-d4	5,140	µg/L	SW8260C			5,000		103	72 - 151				
Surr: 4-Bromofluorobenzene	5,090	µg/L	SW8260C			5,000		102	80 - 152				
Surr: Dibromofluoromethane	5,050	µg/L	SW8260C			5,000		101	80 - 124				
Surr: Toluene-d8	5,040	µg/L	SW8260C			5,000		101	77 - 129				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1603110
Project: March Monthly Groundwater 2016

Contact: Garrin Palmer
Dept: MSVOA
QC Type: MSD

Analyte	Result	Units	Method	MDL	Reporting Limit	Amount Spiked	Spike Ref. Amount	%REC	Limits	RPD Ref. Amt	% RPD	RPD Limit	Qual
Lab Sample ID: 1603110-003DMSD Date Analyzed: 03/07/2016 1320h													
Test Code: 8260-W-DEN100													
Chloroform	4,450	µg/L	SW8260C	15.3	100	2,000	2280	108	50 - 146	4360	2.11	25	
Methylene chloride	2,350	µg/L	SW8260C	17.2	100	2,000	0	118	30 - 192	2310	1.76	25	
Surr: 1,2-Dichloroethane-d4	5,030	µg/L	SW8260C			5,000		101	72 - 151				
Surr: 4-Bromofluorobenzene	4,980	µg/L	SW8260C			5,000		99.7	80 - 152				
Surr: Dibromofluoromethane	4,990	µg/L	SW8260C			5,000		99.8	80 - 124				
Surr: Toluene-d8	4,990	µg/L	SW8260C			5,000		99.7	77 - 129				

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American West Analytical Laboratories

REVISED: 4/27/2016
Fluoride added to sample #4 -RW

UL
Denison

WORK ORDER Summary

Work Order: **1603110**

Client: Energy Fuels Resources, Inc. Due Date: 3/18/2016

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **March Monthly Groundwater 2016** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Alkalinity must be run at full volume, use ALK-W-2320B-LL test code. Groundwater project specific DL's: Run NO2/NO3 as a 10X. Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1603110-001A	**MW-11_03032016**	3/3/2016 1050h	3/4/2016 1015h	**200.8-DIS**	Aqueous	☑	DF-Dis Metals	1
				1 SEL Analytes: MN				
				200.8-DIS-PR		☐	DF-Dis Metals	
1603110-002A	**MW-25_03022016**	3/2/2016 1010h	3/4/2016 1015h	**200.8-DIS**	Aqueous	☑	DF-Dis Metals	1
				2 SEL Analytes: CD U				
				200.8-DIS-PR		☐	DF-Dis Metals	
1603110-002B				**300.0-W**		☑	DF-cl	
				1 SEL Analytes: CL				
1603110-003A	**MW-26_03022016**	3/2/2016 0945h	3/4/2016 1015h	**200.8-DIS**	Aqueous	☑	DF-Dis Metals	1
				1 SEL Analytes: U				
				200.8-DIS-PR		☐	DF-Dis Metals	
1603110-003B				**300.0-W**		☑	DF-cl	
				1 SEL Analytes: CL				
1603110-003C				**NO2/NO3-W-353.2**		☑	DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1603110-003D				**8260-W-DEN100**		☑	vOC	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				
1603110-004A	**MW-30_03022016**	3/2/2016 1410h	3/4/2016 1015h	**200.8-DIS**	Aqueous	☑	DF-Dis Metals	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR		☐	DF-Dis Metals	
1603110-004B				**300.0-W**		☑	DF-cl	
				2 SEL Analytes: CL F				
1603110-004C				**NH3-W-350.1**		☑	DF-NO2/NO3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☐	DF-NO2/NO3	
				NO2/NO3-W-353.2		☑	DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				

Printed: 4/28/2016 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_ _ _ _ HOK_ _ _ _ HOK_ _ _ _ COC Emailed_ _ _ _ _ _

WORK ORDER Summary

Work Order: **1603110**

Client: Energy Fuels Resources, Inc. Due Date: 3/18/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1603110-005A	**MW-31_03022016**	3/2/2016 1240h	3/4/2016 1015h	**200.8-DIS**	Aqueous	☑	DF-Dis Metals	1
				1 SEL Analytes: SE				
				200.8-DIS-PR		☐	DF-Dis Metals	
1603110-005B				**300.0-W**		☑	DF-cl	
				2 SEL Analytes: CL SO4				
1603110-005C				**NO2/NO3-W-353.2**		☑	DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1603110-005D				**TDS-W-2540C**		☑	DF-tds	
				1 SEL Analytes: TDS				
1603110-006A	**MW-35_03022016**	3/2/2016 1445h	3/4/2016 1015h	**200.8-DIS**	Aqueous	☑	DF-Dis Metals	1
				4 SEL Analytes: MN SE TL U				
				200.8-DIS-PR		☐	DF-Dis Metals	
1603110-007A	**MW-65_03022016**	3/2/2016 1445h	3/4/2016 1015h	**200.8-DIS**	Aqueous	☑	DF-Dis Metals	1
				4 SEL Analytes: MN SE TL U				
				200.8-DIS-PR		☐	DF-Dis Metals	
1603110-008A	**Trip Blank**	3/2/2016	3/4/2016 1015h	**8260-W-DEN100**	Aqueous	☑	vOC	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				

American West Analytical Laboratories

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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 (POL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1603110
AWAL Lab Sample Set #
Page 1 of 1

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Garrin Palmer**
Phone #: **(435) 678-2221** Cell #: 435 459 9463
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: **March Monthly Groundwater 2016**
Project #:
PO #:
Sampler Name: **Garrin Palmer**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Dissolved Manganese (200.7/200.8)	Cl (4500 or 300.0)	NH3 (4500G or 350.1)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Dissolved Thallium (200.7/200.8)	SO_4 (4500 or 300.0)	VOCs Chloroform, Dichloromethane, (8260C)	Known Hazards & Sample Comments
MW-11_03032016	3/3/2016	1050	1	W		X										
MW-25_03022016	3/2/2016	1010	2	W			X			X	X					
MW-26_03022016	3/2/2016	945	6	W	X		X			X					X	
MW-30_03022016	3/2/2016	1410	3	W	X		X	X		X		X				Fluoride added per Kathy Weinel 4/27/16 -RW
MW-31_03022016	3/2/2016	1240	4	W	X		X		X			X		X		
MW-35_03022016	3/2/2016	1445	1	w		X				X		X	X			
MW-65_03022016	3/2/2016	1445	1	W		X				X		X	X			
Trip Blank	3/2/2016		3	W											X	
Temp Blank			1	W												

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 1.3 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

1 Present on Outer Package Y N NA
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	3/3/16	1230			
Relinquished by: Signature	Date:	Time:	Received by: Signature	Date:	Time:
			Elena Hayes	3/4/16	1005
Relinquished by: Signature	Date:	Time:	Received by: Signature	Date:	Time:
Relinquished by: Signature	Date:	Time:	Received by: Signature	Date:	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: 1603110

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7											
Ammonia	pH <2 H_2SO_4				Yes														
COD	pH <2 H_2SO_4				Yes														
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes	Yes	Yes	Yes	Yes	Yes											
NO_2 & NO_3	pH <2 H_2SO_4			Yes	Yes	Yes													
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171
F 843.766.1178

gel.com

April 01, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 392635

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on March 07, 2016. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Julie Robinson

Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 392635

April 01, 2016

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary:

Sample receipt: The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on March 07, 2016 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification: The laboratory received the following samples:

Laboratory ID	Client ID
392635001	MW-35_03022016
392635002	MW-65_03022016

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

392635

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
March Monthly GW 2016	Garrin Palmer	Garrin Palmer

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-35_03022016	3/2/2016	1445	Gross Alpha
MW-65_03022016	3/2/2016	1445	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer Garrin Palmer	3/2/16 1230		03/07/16 0900 ~~0830~~ SAG 3/7
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	**SDG/AR/COC/Work Order:** 392635
Received By: JAS	**Date Received:** 03/07/16

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		✓	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM
Classified Radioactive II or III by RSO?		✓	If yes, Were swipes taken of sample containers < action levels?
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		✓		Preservation Method: Ice bags Blue ice Dry ice (None) Other (describe) *all temperatures are recorded in Celsius 13.1 C
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): ES03201S830
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 03 9642 1406

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JR Date 3-7-16 Page 1 of 1 GL-CHL-SR-001 Rev 2

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 392635 **March Monthly GW 2016**
Client SDG: 392635
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: 04-APR-16
Package Due Date: 02-APR-16
EDD Due Date: 04-APR-16
Due Date: 04-APR-16
JAR1

Collector: C
Prelogin #: 20150429171
Project Workdef ID: 1294356
SDG Status: Closed
Logged by:

GEL ID	Client Sample ID	Client Sample Desc.	Collect Date & Time	Receive Date & Time	Time Zone	# of Cont.	Lab Matrix	Fax Due Date	Days to Process	CofC #	Prelog Group	Lab QC	Field QC
392635001	MW-35_03022016		02-MAR-16 14:45	07-MAR-16 09:00	-2	1	GROUND WATER		20		1		
392635002	MW-65_03022016		02-MAR-16 14:45	07-MAR-16 09:00	-2	1	GROUND WATER		20		1		

	Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001	MW-35_03022016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
							Temperature (C)	13.1	
-002	MW-65_03022016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
							Temperature (C)	13.1	

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**
Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001, 002
Parmname Check: All parmnames scheduled properly
Path: Standard
Product Reference: Gross Alpha
Moisture Correction: "As Received"

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

	Action	Product Name	Description	Samples
Contingent Tests				

GEL Laboratories LLC – Login Review Report

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 392635

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1551954

Sample ID	Client ID
392635001	MW-35_03022016
392635002	MW-65_03022016
1203507631	Method Blank (MB)
1203507635	Laboratory Control Sample (LCS)
1203507632	392635002(MW-65_03022016) Sample Duplicate (DUP)
1203507633	392635002(MW-65_03022016) Matrix Spike (MS)
1203507634	392635002(MW-65_03022016) 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: 392635002 (MW-65_03022016).

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, 1203507633 (MW-65_03022016MS) and 1203507634 (MW-65_03022016MSD), 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: 392635 GEL Work Order: 392635

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: **Name: Kate Gellatly**

Date: 30 MAR 2016 **Title: Analyst I**

GEL LABORATORIES LLC

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

QC Summary

Report Date: March 30, 2016

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

Contact: **Ms. Kathy Weinel**

Workorder: **392635**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch 1551954											
QC1203507632 392635002 DUP											
Gross Radium Alpha		4.63		4.48	pCi/L	3.19		(0%-20%)	AXM6	03/28/16	13:3
	Uncertainty	+/-0.456		+/-0.444							
QC1203507635 LCS											
Gross Radium Alpha	413			434	pCi/L		105	(75%-125%)		03/28/16	13:3
	Uncertainty			+/-4.68							
QC1203507631 MB											
Gross Radium Alpha			U	0.0409	pCi/L					03/28/16	13:3
	Uncertainty			+/-0.0979							
QC1203507633 392635002 MS											
Gross Radium Alpha	1670	4.63		1470	pCi/L		87.8	(75%-125%)		03/28/16	13:3
	Uncertainty	+/-0.456		+/-16.3							
QC1203507634 392635002 MSD											
Gross Radium Alpha	1670	4.63		1540	pCi/L	4.82	92.2	(0%-20%)		03/28/16	13:3
	Uncertainty	+/-0.456		+/-16.3							

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).
The Qualifiers in this report are defined as follows:

**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
A	The TIC is a suspected aldol-condensation product
B	For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
F	Estimated Value
H	Analytical holding time was exceeded
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
M	M if above MDC and less than LLD
M	Matrix Related Failure
N/A	RPD or %Recovery limits do not apply.
N1	See case narrative
ND	Analyte concentration is not detected above the detection limit

QC Summary

Workorder: 392635

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab G

Quality Assurance and Data Validation Tables

G-1A: Quarterly Field Data QA/QC Evaluation

Well	Sample Date	Time Req'd for 2 Casings	Time Pumped (min)	Amount Sufficient?	Specific Conductance		RPD(%)	pH		RPD(%)	Temp (°C)		RPD(%)	Redox Potential (Eh)		RPD(%)	Turbidity (NTU)		>5 NTU	RPD(%)
MW-01	2/10/2016	181.40	185	Y	1939	1931	0.41	7.08	7.06	0.28	14.28	14.25	0.21	519	517	0.39	1.5	1.5	N	0.00
MW-03	2/16/2016	25.72	30	Y	5801	5801	0.00	6.19	6.21	0.32	14.48	14.50	0.14	294	290	1.37	1.0	1.0	N	0.00
MW-03A	2/16/2016	65.30	70	Pumped dry	6107	6111	0.07	7.12	7.08	0.56	14.38	14.32	0.42	NM		NC	NM		N	NC
MW-05	2/15/2016	194.03	200	Y	2936	2932	0.14	7.42	7.44	0.27	14.36	14.35	0.07	528	526	0.38	2.9	2.9	N	0.00
MW-11	2/8/2016	262.40	270	Y	3061	3061	0.00	7.23	7.25	0.28	14.33	14.34	0.07	511	509	0.39	0.0	0.0	N	0.00
MW-12	2/4/2016	131.80	190	Y	3998	3994	0.10	6.36	6.36	0.00	12.12	12.14	0.16	509	505	0.79	22.5	22.7	Y	0.88
MW-14	2/15/2016	153.77	155	Y	3971	3966	0.13	6.52	6.55	0.46	14.48	14.50	0.14	538	537	0.19	0.0	0.0	N	0.00
MW-15	2/4/2016	166.22	185	Y	4296	4299	0.07	6.28	6.30	0.32	13.74	13.78	0.29	505	504	0.20	0.0	0.0	N	0.00
MW-18	2/9/2016	371.33	390	Y	3220	3226	0.19	6.11	6.10	0.16	17.88	17.88	0.00	532	529	0.57	0.0	0.0	N	0.00
MW-19	2/9/2016	523.96	540	Y	1444	1448	0.28	6.77	6.76	0.15	14.67	14.65	0.14	509	510	0.20	0.0	0.0	N	0.00
MW-24	2/17/2016	48.02	50	Pumped dry	4462	4480	0.40	6.00	5.95	0.84	14.34	14.37	0.21	NM		NC	NM		N	NC
MW-25	2/8/2016	230.80	240	Y	3238	3234	0.12	6.51	6.50	0.15	14.43	14.41	0.14	547	547	0.00	24.0	24.0	Y	0.00
MW-26	2/16/2016	NA			3557		NC	5.98		NC	15.95		NC	484		NC	0.0		N	NC
MW-27	2/2/2016	248.62	250	Y	1525	1529	0.26	6.57	6.59	0.30	13.90	13.89	0.07	518	517	0.19	0.0	0.0	N	0.00
MW-28	2/2/2016	210.64	215	Y	4044	4052	0.20	5.47	5.45	0.37	13.80	13.79	0.07	548	545	0.55	1.0	1.0	N	0.00
MW-29	2/10/2016	153.47	160	Y	4705	4711	0.13	6.48	6.47	0.15	14.07	14.08	0.07	510	510	0.00	15.9	15.9	Y	0.00
MW-30	2/10/2016	206.55	210	Y	2104	2102	0.10	6.95	6.94	0.14	14.10	14.13	0.21	504	504	0.00	0.0	0.0	N	0.00
MW-31	2/15/2016	369.83	375	Y	2323	2315	0.34	7.22	7.21	0.14	14.60	14.60	0.00	506	506	0.00	0.5	0.5	N	0.00
MW-32	2/3/2016	332.51	340	Y	3321	3318	0.09	5.98	5.99	0.17	14.00	14.01	0.07	512	505	1.38	6.2	6.1	Y	1.63
MW-35	2/10/2016	71.13	75	Y	4211	4203	0.19	6.75	6.70	0.74	14.04	14.06	0.14	513	514	0.19	0.0	0.0	N	0.00
MW-36	2/11/2016	66.20	70	Y	4999	4996	0.06	7.04	7.02	0.28	13.78	13.75	0.22	533	534	0.19	0.0	0.0	N	0.00
MW-37	3/22/2016	NA	NA	Bailed dry	4366	4389	0.53	6.23	6.25	0.32	14.01	14.04	0.21	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	1/20/2016	264.51	270	Y	3020	3020	0.00	6.69	6.73	0.60	14.16	14.15	0.07	492	485	1.43	0.5	0.5	Y	0.00
MW-14	1/19/2016	153.47	155	Y	3955	3961	0.15	6.25	6.27	0.32	13.84	13.85	0.07	504	504	0.00	0	0	Y	0.00
MW-25	1/19/2016	230.50	240	Y	3070	3061	0.29	6.17	6.18	0.16	15.93	15.95	0.13	546	544	0.37	2.5	2.5	Y	0.00
MW-26	1/20/2016	NA			3515		NC	6.27		NC	14.8		NC	414		NC	0.5		Y	NC
MW-30	1/20/2016	208.35	210	Y	2092	2093	0.05	6.44	6.45	0.16	14.15	14.14	0.07	530	529	0.19	0.3	0.3	Y	0.00
MW-31	1/19/2016	370.61	380	Y	2281	2299	0.79	7.03	7.04	0.14	14.40	14.45	0.35	456	455	0.22	2.0	2.0	Y	0.00
MW-35	1/19/2016	72.58	75	Y	4426	4428	0.05	6.34	6.35	0.16	11.51	11.53	0.17	474	472	0.42	0	0	Y	0.00
Accelerated March Monthly																				
MW-11	3/3/2016	264.08	280	Y	2926	2921	0.17	7.47	7.46	0.13	14.66	14.64	0.14	371	364	1.90	0	0	Y	0.00
MW-14	3/3/2016	154.07	180	Y	3634	3633	0.03	6.67	6.66	0.15	17.38	17.44	0.34	417	418	0.24	0	0	Y	0.00
MW-25	3/2/2016	230.20	240	Y	3194	3199	0.16	6.59	6.57	0.30	15.17	15.12	0.33	300	300	0.00	1.9	1.9	Y	0.00
MW-26	3/2/2016	NA			3528		NC	6.35			16.24			375			0.0		Y	NC
MW-30	3/2/2016	208.71	220	Y	2044	2048	0.20	6.52	6.51	0.15	14.42	14.48	0.42	341	339	0.59	0.2	0.2	Y	0.00
MW-31	3/2/2016	370.47	380	Y	2065	2068	0.15	6.85	6.83	0.29	15.26	15.22	0.26	386	387	0.26	1.0	1.0	Y	0.00
MW-35	3/2/2016	73.72	90	Y	4172	4169	0.07	6.54	6.53	0.15	15.20	15.16	0.26	310	310	0.00	0	0	Y	0.00

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements less than 5 NTU are included for information purposes only.

MW-26 is a continuously pumped well.

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
Trip Blank	2-Butanone	2/8/2016	2/12/2016	4	14	OK
Trip Blank	Acetone	2/8/2016	2/12/2016	4	14	OK
Trip Blank	Benzene	2/8/2016	2/12/2016	4	14	OK
Trip Blank	Carbon tetrachloride	2/8/2016	2/12/2016	4	14	OK
Trip Blank	Chloroform	2/8/2016	2/12/2016	4	14	OK
Trip Blank	Chloromethane	2/8/2016	2/12/2016	4	14	OK
Trip Blank	Methylene chloride	2/8/2016	2/12/2016	4	14	OK
Trip Blank	Naphthalene	2/8/2016	2/12/2016	4	14	OK
Trip Blank	Tetrahydrofuran	2/8/2016	2/12/2016	4	14	OK
Trip Blank	Toluene	2/8/2016	2/12/2016	4	14	OK
Trip Blank	Xylenes, Total	2/8/2016	2/12/2016	4	14	OK
Trip Blank	2-Butanone	2/15/2016	2/18/2016	3	14	OK
Trip Blank	Acetone	2/15/2016	2/18/2016	3	14	OK
Trip Blank	Benzene	2/15/2016	2/18/2016	3	14	OK
Trip Blank	Carbon tetrachloride	2/15/2016	2/18/2016	3	14	OK
Trip Blank	Chloroform	2/15/2016	2/18/2016	3	14	OK
Trip Blank	Chloromethane	2/15/2016	2/18/2016	3	14	OK
Trip Blank	Methylene chloride	2/15/2016	2/18/2016	3	14	OK
Trip Blank	Naphthalene	2/15/2016	2/18/2016	3	14	OK
Trip Blank	Tetrahydrofuran	2/15/2016	2/18/2016	3	14	OK
Trip Blank	Toluene	2/15/2016	2/18/2016	3	14	OK
Trip Blank	Xylenes, Total	2/15/2016	2/18/2016	3	14	OK
Trip Blank	2-Butanone	3/22/2016	3/23/2016	1	14	OK
Trip Blank	Acetone	3/22/2016	3/23/2016	1	14	OK
Trip Blank	Benzene	3/22/2016	3/23/2016	1	14	OK
Trip Blank	Carbon tetrachloride	3/22/2016	3/23/2016	1	14	OK
Trip Blank	Chloroform	3/22/2016	3/23/2016	1	14	OK
Trip Blank	Chloromethane	3/22/2016	3/23/2016	1	14	OK
Trip Blank	Methylene chloride	3/22/2016	3/23/2016	1	14	OK
Trip Blank	Naphthalene	3/22/2016	3/23/2016	1	14	OK
Trip Blank	Tetrahydrofuran	3/22/2016	3/23/2016	1	14	OK
Trip Blank	Toluene	3/22/2016	3/23/2016	1	14	OK
Trip Blank	Xylenes, Total	3/22/2016	3/23/2016	1	14	OK
MW-01	Chloride	2/10/2016	2/15/2016	5	28	OK
MW-01	Sulfate	2/10/2016	2/15/2016	5	28	OK
MW-03	2-Butanone	2/16/2016	2/18/2016	2	14	OK
MW-03	Acetone	2/16/2016	2/18/2016	2	14	OK
MW-03	Ammonia (as N)	2/16/2016	2/23/2016	7	28	OK
MW-03	Arsenic	2/16/2016	2/18/2016	2	180	OK
MW-03	Benzene	2/16/2016	2/18/2016	2	14	OK
MW-03	Beryllium	2/16/2016	2/18/2016	2	180	OK
MW-03	Bicarbonate (as CaCO3)	2/16/2016	2/19/2016	3	14	OK
MW-03	Cadmium	2/16/2016	2/18/2016	2	180	OK
MW-03	Calcium	2/16/2016	2/24/2016	8	180	OK
MW-03	Carbon tetrachloride	2/16/2016	2/18/2016	2	14	OK
MW-03	Carbonate (as CaCO3)	2/16/2016	2/19/2016	3	14	OK
MW-03	Chloride	2/16/2016	2/18/2016	2	28	OK
MW-03	Chloroform	2/16/2016	2/18/2016	2	14	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-03	Chloromethane	2/16/2016	2/18/2016	2	14	OK
MW-03	Chromium	2/16/2016	2/18/2016	2	180	OK
MW-03	Cobalt	2/16/2016	2/18/2016	2	180	OK
MW-03	Copper	2/16/2016	2/18/2016	2	180	OK
MW-03	Fluoride	2/16/2016	2/18/2016	2	28	OK
MW-03	Gross Radium Alpha	2/16/2016	3/17/2016	30	180	OK
MW-03	Iron	2/16/2016	2/18/2016	2	180	OK
MW-03	Lead	2/16/2016	2/18/2016	2	180	OK
MW-03	Magnesium	2/16/2016	2/24/2016	8	180	OK
MW-03	Manganese	2/16/2016	2/18/2016	2	180	OK
MW-03	Mercury	2/16/2016	2/19/2016	3	180	OK
MW-03	Methylene chloride	2/16/2016	2/18/2016	2	14	OK
MW-03	Molybdenum	2/16/2016	2/18/2016	2	180	OK
MW-03	Naphthalene	2/16/2016	2/18/2016	2	14	OK
MW-03	Nickel	2/16/2016	2/18/2016	2	180	OK
MW-03	Nitrate/Nitrite (as N)	2/16/2016	2/19/2016	3	28	OK
MW-03	Potassium	2/16/2016	2/24/2016	8	180	OK
MW-03	Selenium	2/16/2016	2/18/2016	2	180	OK
MW-03	Silver	2/16/2016	2/18/2016	2	180	OK
MW-03	Sodium	2/16/2016	2/24/2016	8	180	OK
MW-03	Sulfate	2/16/2016	2/18/2016	2	28	OK
MW-03	Tetrahydrofuran	2/16/2016	2/18/2016	2	14	OK
MW-03	Thallium	2/16/2016	2/18/2016	2	180	OK
MW-03	Tin	2/16/2016	2/18/2016	2	180	OK
MW-03	Toluene	2/16/2016	2/18/2016	2	14	OK
MW-03	Total Dissolved Solids	2/16/2016	2/18/2016	2	7	OK
MW-03	Uranium	2/16/2016	2/18/2016	2	180	OK
MW-03	Vanadium	2/16/2016	2/24/2016	8	180	OK
MW-03	Xylenes, Total	2/16/2016	2/18/2016	2	14	OK
MW-03	Zinc	2/16/2016	2/19/2016	3	180	OK
MW-03A	Nitrate/Nitrite (as N)	2/16/2016	2/19/2016	3	28	OK
MW-03A	Selenium	2/16/2016	2/18/2016	2	180	OK
MW-03A	Sulfate	2/16/2016	2/18/2016	2	28	OK
MW-03A	Total Dissolved Solids	2/16/2016	2/19/2016	3	7	OK
MW-05	Uranium	2/15/2016	2/18/2016	3	180	OK
MW-11	2-Butanone	2/8/2016	2/12/2016	4	14	OK
MW-11	Acetone	2/8/2016	2/12/2016	4	14	OK
MW-11	Ammonia (as N)	2/8/2016	2/16/2016	8	28	OK
MW-11	Arsenic	2/8/2016	2/16/2016	8	180	OK
MW-11	Benzene	2/8/2016	2/12/2016	4	14	OK
MW-11	Beryllium	2/8/2016	2/16/2016	8	180	OK
MW-11	Bicarbonate (as CaCO3)	2/8/2016	2/16/2016	8	14	OK
MW-11	Cadmium	2/8/2016	2/16/2016	8	180	OK
MW-11	Calcium	2/8/2016	2/23/2016	15	180	OK
MW-11	Carbon tetrachloride	2/8/2016	2/12/2016	4	14	OK
MW-11	Carbonate (as CaCO3)	2/8/2016	2/16/2016	8	14	OK
MW-11	Chloride	2/8/2016	2/15/2016	7	28	OK
MW-11	Chloroform	2/8/2016	2/12/2016	4	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-11	Chloromethane	2/8/2016	2/12/2016	4	14	OK
MW-11	Chromium	2/8/2016	2/16/2016	8	180	OK
MW-11	Cobalt	2/8/2016	2/16/2016	8	180	OK
MW-11	Copper	2/8/2016	2/16/2016	8	180	OK
MW-11	Fluoride	2/8/2016	2/15/2016	7	28	OK
MW-11	Gross Radium Alpha	2/8/2016	3/9/2016	30	180	OK
MW-11	Iron	2/8/2016	2/17/2016	9	180	OK
MW-11	Lead	2/8/2016	2/16/2016	8	180	OK
MW-11	Magnesium	2/8/2016	2/23/2016	15	180	OK
MW-11	Manganese	2/8/2016	2/16/2016	8	180	OK
MW-11	Mercury	2/8/2016	2/18/2016	10	180	OK
MW-11	Methylene chloride	2/8/2016	2/12/2016	4	14	OK
MW-11	Molybdenum	2/8/2016	2/17/2016	9	180	OK
MW-11	Naphthalene	2/8/2016	2/12/2016	4	14	OK
MW-11	Nickel	2/8/2016	2/16/2016	8	180	OK
MW-11	Nitrate/Nitrite (as N)	2/8/2016	2/12/2016	4	28	OK
MW-11	Potassium	2/8/2016	2/23/2016	15	180	OK
MW-11	Selenium	2/8/2016	2/16/2016	8	180	OK
MW-11	Silver	2/8/2016	2/16/2016	8	180	OK
MW-11	Sodium	2/8/2016	2/23/2016	15	180	OK
MW-11	Sulfate	2/8/2016	2/15/2016	7	28	OK
MW-11	Tetrahydrofuran	2/8/2016	2/12/2016	4	14	OK
MW-11	Thallium	2/8/2016	2/16/2016	8	180	OK
MW-11	Tin	2/8/2016	2/16/2016	8	180	OK
MW-11	Toluene	2/8/2016	2/12/2016	4	14	OK
MW-11	Total Dissolved Solids	2/8/2016	2/12/2016	4	7	OK
MW-11	Uranium	2/8/2016	2/16/2016	8	180	OK
MW-11	Vanadium	2/8/2016	2/23/2016	15	180	OK
MW-11	Xylenes, Total	2/8/2016	2/12/2016	4	14	OK
MW-11	Zinc	2/8/2016	2/16/2016	8	180	OK
MW-12	Selenium	2/4/2016	2/9/2016	5	180	OK
MW-14	2-Butanone	2/15/2016	2/18/2016	3	14	OK
MW-14	Acetone	2/15/2016	2/18/2016	3	14	OK
MW-14	Ammonia (as N)	2/15/2016	2/23/2016	8	28	OK
MW-14	Arsenic	2/15/2016	2/18/2016	3	180	OK
MW-14	Benzene	2/15/2016	2/18/2016	3	14	OK
MW-14	Beryllium	2/15/2016	2/18/2016	3	180	OK
MW-14	Bicarbonate (as CaCO3)	2/15/2016	2/19/2016	4	14	OK
MW-14	Cadmium	2/15/2016	2/18/2016	3	180	OK
MW-14	Calcium	2/15/2016	2/24/2016	9	180	OK
MW-14	Carbon tetrachloride	2/15/2016	2/18/2016	3	14	OK
MW-14	Carbonate (as CaCO3)	2/15/2016	2/19/2016	4	14	OK
MW-14	Chloride	2/15/2016	2/18/2016	3	28	OK
MW-14	Chloroform	2/15/2016	2/18/2016	3	14	OK
MW-14	Chloromethane	2/15/2016	2/18/2016	3	14	OK
MW-14	Chromium	2/15/2016	2/18/2016	3	180	OK
MW-14	Cobalt	2/15/2016	2/18/2016	3	180	OK
MW-14	Copper	2/15/2016	2/18/2016	3	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-14	Fluoride	2/15/2016	2/18/2016	3	28	OK
MW-14	Gross Radium Alpha	2/15/2016	3/17/2016	31	180	OK
MW-14	Iron	2/15/2016	2/18/2016	3	180	OK
MW-14	Lead	2/15/2016	2/18/2016	3	180	OK
MW-14	Magnesium	2/15/2016	2/24/2016	9	180	OK
MW-14	Manganese	2/15/2016	2/18/2016	3	180	OK
MW-14	Mercury	2/15/2016	2/19/2016	4	180	OK
MW-14	Methylene chloride	2/15/2016	2/18/2016	3	14	OK
MW-14	Molybdenum	2/15/2016	2/18/2016	3	180	OK
MW-14	Naphthalene	2/15/2016	2/18/2016	3	14	OK
MW-14	Nickel	2/15/2016	2/18/2016	3	180	OK
MW-14	Nitrate/Nitrite (as N)	2/15/2016	2/19/2016	4	28	OK
MW-14	Potassium	2/15/2016	2/24/2016	9	180	OK
MW-14	Selenium	2/15/2016	2/18/2016	3	180	OK
MW-14	Silver	2/15/2016	2/18/2016	3	180	OK
MW-14	Sodium	2/15/2016	2/24/2016	9	180	OK
MW-14	Sulfate	2/15/2016	2/18/2016	3	28	OK
MW-14	Tetrahydrofuran	2/15/2016	2/18/2016	3	14	OK
MW-14	Thallium	2/15/2016	2/18/2016	3	180	OK
MW-14	Tin	2/15/2016	2/18/2016	3	180	OK
MW-14	Toluene	2/15/2016	2/18/2016	3	14	OK
MW-14	Total Dissolved Solids	2/15/2016	2/19/2016	4	7	OK
MW-14	Uranium	2/15/2016	2/18/2016	3	180	OK
MW-14	Vanadium	2/15/2016	2/24/2016	9	180	OK
MW-14	Xylenes, Total	2/15/2016	2/18/2016	3	14	OK
MW-14	Zinc	2/15/2016	2/18/2016	3	180	OK
MW-15	Selenium	2/4/2016	2/16/2016	12	180	OK
MW-18	Sulfate	2/9/2016	2/15/2016	6	28	OK
MW-18	Thallium	2/9/2016	2/16/2016	7	180	OK
MW-18	Total Dissolved Solids	2/9/2016	2/12/2016	3	7	OK
MW-19	Nitrate/Nitrite (as N)	2/9/2016	2/12/2016	3	28	OK
MW-24	Cadmium	2/17/2016	2/19/2016	2	180	OK
MW-24	Fluoride	2/17/2016	2/18/2016	1	28	OK
MW-24	Sulfate	2/17/2016	2/18/2016	1	28	OK
MW-24	Thallium	2/17/2016	2/18/2016	1	180	OK
MW-25	2-Butanone	2/8/2016	2/12/2016	4	14	OK
MW-25	Acetone	2/8/2016	2/12/2016	4	14	OK
MW-25	Ammonia (as N)	2/8/2016	2/16/2016	8	28	OK
MW-25	Arsenic	2/8/2016	2/16/2016	8	180	OK
MW-25	Benzene	2/8/2016	2/12/2016	4	14	OK
MW-25	Beryllium	2/8/2016	2/16/2016	8	180	OK
MW-25	Bicarbonate (as CaCO3)	2/8/2016	2/16/2016	8	14	OK
MW-25	Cadmium	2/8/2016	2/16/2016	8	180	OK
MW-25	Calcium	2/8/2016	2/23/2016	15	180	OK
MW-25	Carbon tetrachloride	2/8/2016	2/12/2016	4	14	OK
MW-25	Carbonate (as CaCO3)	2/8/2016	2/16/2016	8	14	OK
MW-25	Chloride	2/8/2016	2/15/2016	7	28	OK
MW-25	Chloroform	2/8/2016	2/12/2016	4	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-25	Chloromethane	2/8/2016	2/12/2016	4	14	OK
MW-25	Chromium	2/8/2016	2/16/2016	8	180	OK
MW-25	Cobalt	2/8/2016	2/16/2016	8	180	OK
MW-25	Copper	2/8/2016	2/16/2016	8	180	OK
MW-25	Fluoride	2/8/2016	2/15/2016	7	28	OK
MW-25	Gross Radium Alpha	2/8/2016	3/9/2016	30	180	OK
MW-25	Iron	2/8/2016	2/17/2016	9	180	OK
MW-25	Lead	2/8/2016	2/16/2016	8	180	OK
MW-25	Magnesium	2/8/2016	2/23/2016	15	180	OK
MW-25	Manganese	2/8/2016	2/16/2016	8	180	OK
MW-25	Mercury	2/8/2016	2/18/2016	10	180	OK
MW-25	Methylene chloride	2/8/2016	2/12/2016	4	14	OK
MW-25	Molybdenum	2/8/2016	2/17/2016	9	180	OK
MW-25	Naphthalene	2/8/2016	2/12/2016	4	14	OK
MW-25	Nickel	2/8/2016	2/16/2016	8	180	OK
MW-25	Nitrate/Nitrite (as N)	2/8/2016	2/12/2016	4	28	OK
MW-25	Potassium	2/8/2016	2/23/2016	15	180	OK
MW-25	Selenium	2/8/2016	2/16/2016	8	180	OK
MW-25	Silver	2/8/2016	2/16/2016	8	180	OK
MW-25	Sodium	2/8/2016	2/23/2016	15	180	OK
MW-25	Sulfate	2/8/2016	2/15/2016	7	28	OK
MW-25	Tetrahydrofuran	2/8/2016	2/12/2016	4	14	OK
MW-25	Thallium	2/8/2016	2/16/2016	8	180	OK
MW-25	Tin	2/8/2016	2/16/2016	8	180	OK
MW-25	Toluene	2/8/2016	2/12/2016	4	14	OK
MW-25	Total Dissolved Solids	2/8/2016	2/12/2016	4	7	OK
MW-25	Uranium	2/8/2016	2/16/2016	8	180	OK
MW-25	Vanadium	2/8/2016	2/23/2016	15	180	OK
MW-25	Xylenes, Total	2/8/2016	2/12/2016	4	14	OK
MW-25	Zinc	2/8/2016	2/16/2016	8	180	OK
MW-26	2-Butanone	2/16/2016	2/18/2016	2	14	OK
MW-26	Acetone	2/16/2016	2/18/2016	2	14	OK
MW-26	Ammonia (as N)	2/16/2016	2/23/2016	7	28	OK
MW-26	Arsenic	2/16/2016	2/18/2016	2	180	OK
MW-26	Benzene	2/16/2016	2/18/2016	2	14	OK
MW-26	Beryllium	2/16/2016	2/18/2016	2	180	OK
MW-26	Bicarbonate (as CaCO3)	2/16/2016	2/19/2016	3	14	OK
MW-26	Cadmium	2/16/2016	2/18/2016	2	180	OK
MW-26	Calcium	2/16/2016	2/24/2016	8	180	OK
MW-26	Carbon tetrachloride	2/16/2016	2/18/2016	2	14	OK
MW-26	Carbonate (as CaCO3)	2/16/2016	2/19/2016	3	14	OK
MW-26	Chloride	2/16/2016	2/18/2016	2	28	OK
MW-26	Chloroform	2/16/2016	2/18/2016	2	14	OK
MW-26	Chloromethane	2/16/2016	2/18/2016	2	14	OK
MW-26	Chromium	2/16/2016	2/18/2016	2	180	OK
MW-26	Cobalt	2/16/2016	2/18/2016	2	180	OK
MW-26	Copper	2/16/2016	2/18/2016	2	180	OK
MW-26	Fluoride	2/16/2016	2/18/2016	2	28	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-26	Gross Radium Alpha	2/16/2016	3/17/2016	30	180	OK
MW-26	Iron	2/16/2016	2/18/2016	2	180	OK
MW-26	Lead	2/16/2016	2/18/2016	2	180	OK
MW-26	Magnesium	2/16/2016	2/24/2016	8	180	OK
MW-26	Manganese	2/16/2016	2/18/2016	2	180	OK
MW-26	Mercury	2/16/2016	2/19/2016	3	180	OK
MW-26	Methylene chloride	2/16/2016	2/18/2016	2	14	OK
MW-26	Molybdenum	2/16/2016	2/18/2016	2	180	OK
MW-26	Naphthalene	2/16/2016	2/18/2016	2	14	OK
MW-26	Nickel	2/16/2016	2/18/2016	2	180	OK
MW-26	Nitrate/Nitrite (as N)	2/16/2016	2/19/2016	3	28	OK
MW-26	Potassium	2/16/2016	2/24/2016	8	180	OK
MW-26	Selenium	2/16/2016	2/18/2016	2	180	OK
MW-26	Silver	2/16/2016	2/18/2016	2	180	OK
MW-26	Sodium	2/16/2016	2/24/2016	8	180	OK
MW-26	Sulfate	2/16/2016	2/18/2016	2	28	OK
MW-26	Tetrahydrofuran	2/16/2016	2/18/2016	2	14	OK
MW-26	Thallium	2/16/2016	2/18/2016	2	180	OK
MW-26	Tin	2/16/2016	2/18/2016	2	180	OK
MW-26	Toluene	2/16/2016	2/18/2016	2	14	OK
MW-26	Total Dissolved Solids	2/16/2016	2/19/2016	3	7	OK
MW-26	Uranium	2/16/2016	2/18/2016	2	180	OK
MW-26	Vanadium	2/16/2016	2/24/2016	8	180	OK
MW-26	Xylenes, Total	2/16/2016	2/18/2016	2	14	OK
MW-26	Zinc	2/16/2016	2/18/2016	2	180	OK
MW-27	Chloride	2/2/2016	2/10/2016	8	28	OK
MW-27	Gross Radium Alpha	2/2/2016	3/9/2016	36	180	OK
MW-27	Nitrate/Nitrite (as N)	2/2/2016	2/9/2016	7	28	OK
MW-27	Sulfate	2/2/2016	2/11/2016	9	28	OK
MW-27	Total Dissolved Solids	2/2/2016	2/5/2016	3	7	OK
MW-28	Cadmium	2/2/2016	2/9/2016	7	180	OK
MW-28	Chloride	2/2/2016	2/10/2016	8	28	OK
MW-28	Uranium	2/2/2016	2/9/2016	7	180	OK
MW-28	Vanadium	2/2/2016	2/9/2016	7	180	OK
MW-29	Sulfate	2/10/2016	2/15/2016	5	28	OK
MW-29	Total Dissolved Solids	2/10/2016	2/12/2016	2	7	OK
MW-30	2-Butanone	2/10/2016	2/12/2016	2	14	OK
MW-30	Acetone	2/10/2016	2/12/2016	2	14	OK
MW-30	Ammonia (as N)	2/10/2016	2/16/2016	6	28	OK
MW-30	Arsenic	2/10/2016	2/16/2016	6	180	OK
MW-30	Benzene	2/10/2016	2/12/2016	2	14	OK
MW-30	Beryllium	2/10/2016	2/16/2016	6	180	OK
MW-30	Bicarbonate (as CaCO3)	2/10/2016	2/16/2016	6	14	OK
MW-30	Cadmium	2/10/2016	2/16/2016	6	180	OK
MW-30	Calcium	2/10/2016	2/23/2016	13	180	OK
MW-30	Carbon tetrachloride	2/10/2016	2/12/2016	2	14	OK
MW-30	Carbonate (as CaCO3)	2/10/2016	2/16/2016	6	14	OK
MW-30	Chloride	2/10/2016	2/15/2016	5	28	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-30	Chloroform	2/10/2016	2/12/2016	2	14	OK
MW-30	Chloromethane	2/10/2016	2/12/2016	2	14	OK
MW-30	Chromium	2/10/2016	2/16/2016	6	180	OK
MW-30	Cobalt	2/10/2016	2/16/2016	6	180	OK
MW-30	Copper	2/10/2016	2/16/2016	6	180	OK
MW-30	Fluoride	2/10/2016	2/15/2016	5	28	OK
MW-30	Gross Radium Alpha	2/10/2016	3/10/2016	29	180	OK
MW-30	Iron	2/10/2016	2/17/2016	7	180	OK
MW-30	Lead	2/10/2016	2/16/2016	6	180	OK
MW-30	Magnesium	2/10/2016	2/23/2016	13	180	OK
MW-30	Manganese	2/10/2016	2/16/2016	6	180	OK
MW-30	Mercury	2/10/2016	2/18/2016	8	180	OK
MW-30	Methylene chloride	2/10/2016	2/12/2016	2	14	OK
MW-30	Molybdenum	2/10/2016	2/17/2016	7	180	OK
MW-30	Naphthalene	2/10/2016	2/12/2016	2	14	OK
MW-30	Nickel	2/10/2016	2/16/2016	6	180	OK
MW-30	Nitrate/Nitrite (as N)	2/10/2016	2/26/2016	16	28	OK
MW-30	Potassium	2/10/2016	2/23/2016	13	180	OK
MW-30	Selenium	2/10/2016	2/16/2016	6	180	OK
MW-30	Silver	2/10/2016	2/16/2016	6	180	OK
MW-30	Sodium	2/10/2016	2/23/2016	13	180	OK
MW-30	Sulfate	2/10/2016	2/15/2016	5	28	OK
MW-30	Tetrahydrofuran	2/10/2016	2/12/2016	2	14	OK
MW-30	Thallium	2/10/2016	2/16/2016	6	180	OK
MW-30	Tin	2/10/2016	2/16/2016	6	180	OK
MW-30	Toluene	2/10/2016	2/12/2016	2	14	OK
MW-30	Total Dissolved Solids	2/10/2016	2/12/2016	2	7	OK
MW-30	Uranium	2/10/2016	2/16/2016	6	180	OK
MW-30	Vanadium	2/10/2016	2/23/2016	13	180	OK
MW-30	Xylenes, Total	2/10/2016	2/12/2016	2	14	OK
MW-30	Zinc	2/10/2016	2/16/2016	6	180	OK
MW-31	2-Butanone	2/15/2016	2/18/2016	3	14	OK
MW-31	Acetone	2/15/2016	2/18/2016	3	14	OK
MW-31	Ammonia (as N)	2/15/2016	2/23/2016	8	28	OK
MW-31	Arsenic	2/15/2016	2/18/2016	3	180	OK
MW-31	Benzene	2/15/2016	2/18/2016	3	14	OK
MW-31	Beryllium	2/15/2016	2/18/2016	3	180	OK
MW-31	Bicarbonate (as CaCO3)	2/15/2016	2/19/2016	4	14	OK
MW-31	Cadmium	2/15/2016	2/18/2016	3	180	OK
MW-31	Calcium	2/15/2016	2/24/2016	9	180	OK
MW-31	Carbon tetrachloride	2/15/2016	2/18/2016	3	14	OK
MW-31	Carbonate (as CaCO3)	2/15/2016	2/19/2016	4	14	OK
MW-31	Chloride	2/15/2016	2/18/2016	3	28	OK
MW-31	Chloroform	2/15/2016	2/18/2016	3	14	OK
MW-31	Chloromethane	2/15/2016	2/18/2016	3	14	OK
MW-31	Chromium	2/15/2016	2/18/2016	3	180	OK
MW-31	Cobalt	2/15/2016	2/18/2016	3	180	OK
MW-31	Copper	2/15/2016	2/18/2016	3	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-31	Fluoride	2/15/2016	2/18/2016	3	28	OK
MW-31	Gross Radium Alpha	2/15/2016	3/17/2016	31	180	OK
MW-31	Iron	2/15/2016	2/18/2016	3	180	OK
MW-31	Lead	2/15/2016	2/18/2016	3	180	OK
MW-31	Magnesium	2/15/2016	2/24/2016	9	180	OK
MW-31	Manganese	2/15/2016	2/18/2016	3	180	OK
MW-31	Mercury	2/15/2016	2/19/2016	4	180	OK
MW-31	Methylene chloride	2/15/2016	2/18/2016	3	14	OK
MW-31	Molybdenum	2/15/2016	2/18/2016	3	180	OK
MW-31	Naphthalene	2/15/2016	2/18/2016	3	14	OK
MW-31	Nickel	2/15/2016	2/18/2016	3	180	OK
MW-31	Nitrate/Nitrite (as N)	2/15/2016	2/19/2016	4	28	OK
MW-31	Potassium	2/15/2016	2/24/2016	9	180	OK
MW-31	Selenium	2/15/2016	2/18/2016	3	180	OK
MW-31	Silver	2/15/2016	2/18/2016	3	180	OK
MW-31	Sodium	2/15/2016	2/24/2016	9	180	OK
MW-31	Sulfate	2/15/2016	2/18/2016	3	28	OK
MW-31	Tetrahydrofuran	2/15/2016	2/18/2016	3	14	OK
MW-31	Thallium	2/15/2016	2/18/2016	3	180	OK
MW-31	Tin	2/15/2016	2/18/2016	3	180	OK
MW-31	Toluene	2/15/2016	2/18/2016	3	14	OK
MW-31	Total Dissolved Solids	2/15/2016	2/19/2016	4	7	OK
MW-31	Uranium	2/15/2016	2/18/2016	3	180	OK
MW-31	Vanadium	2/15/2016	2/24/2016	9	180	OK
MW-31	Xylenes, Total	2/15/2016	2/18/2016	3	14	OK
MW-31	Zinc	2/15/2016	2/18/2016	3	180	OK
MW-32	Chloride	2/3/2016	2/10/2016	7	28	OK
MW-32	Gross Radium Alpha	2/3/2016	3/9/2016	35	180	OK
MW-35	2-Butanone	2/10/2016	2/12/2016	2	14	OK
MW-35	Acetone	2/10/2016	2/12/2016	2	14	OK
MW-35	Ammonia (as N)	2/10/2016	2/22/2016	12	28	OK
MW-35	Arsenic	2/10/2016	2/16/2016	6	180	OK
MW-35	Benzene	2/10/2016	2/12/2016	2	14	OK
MW-35	Beryllium	2/10/2016	2/16/2016	6	180	OK
MW-35	Bicarbonate (as CaCO3)	2/10/2016	2/16/2016	6	14	OK
MW-35	Cadmium	2/10/2016	2/16/2016	6	180	OK
MW-35	Calcium	2/10/2016	2/23/2016	13	180	OK
MW-35	Carbon tetrachloride	2/10/2016	2/12/2016	2	14	OK
MW-35	Carbonate (as CaCO3)	2/10/2016	2/16/2016	6	14	OK
MW-35	Chloride	2/10/2016	2/15/2016	5	28	OK
MW-35	Chloroform	2/10/2016	2/12/2016	2	14	OK
MW-35	Chloromethane	2/10/2016	2/12/2016	2	14	OK
MW-35	Chromium	2/10/2016	2/16/2016	6	180	OK
MW-35	Cobalt	2/10/2016	2/16/2016	6	180	OK
MW-35	Copper	2/10/2016	2/16/2016	6	180	OK
MW-35	Fluoride	2/10/2016	2/15/2016	5	28	OK
MW-35	Gross Radium Alpha	2/10/2016	3/10/2016	29	180	OK
MW-35	Iron	2/10/2016	2/17/2016	7	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-35	Lead	2/10/2016	2/16/2016	6	180	OK
MW-35	Magnesium	2/10/2016	2/23/2016	13	180	OK
MW-35	Manganese	2/10/2016	2/16/2016	6	180	OK
MW-35	Mercury	2/10/2016	2/18/2016	8	180	OK
MW-35	Methylene chloride	2/10/2016	2/12/2016	2	14	OK
MW-35	Molybdenum	2/10/2016	2/16/2016	6	180	OK
MW-35	Naphthalene	2/10/2016	2/12/2016	2	14	OK
MW-35	Nickel	2/10/2016	2/16/2016	6	180	OK
MW-35	Nitrate/Nitrite (as N)	2/10/2016	2/12/2016	2	28	OK
MW-35	Potassium	2/10/2016	2/23/2016	13	180	OK
MW-35	Selenium	2/10/2016	2/16/2016	6	180	OK
MW-35	Silver	2/10/2016	2/16/2016	6	180	OK
MW-35	Sodium	2/10/2016	2/23/2016	13	180	OK
MW-35	Sulfate	2/10/2016	2/15/2016	5	28	OK
MW-35	Tetrahydrofuran	2/10/2016	2/12/2016	2	14	OK
MW-35	Thallium	2/10/2016	2/16/2016	6	180	OK
MW-35	Tin	2/10/2016	2/16/2016	6	180	OK
MW-35	Toluene	2/10/2016	2/12/2016	2	14	OK
MW-35	Total Dissolved Solids	2/10/2016	2/12/2016	2	7	OK
MW-35	Uranium	2/10/2016	2/16/2016	6	180	OK
MW-35	Vanadium	2/10/2016	2/23/2016	13	180	OK
MW-35	Xylenes, Total	2/10/2016	2/12/2016	2	14	OK
MW-35	Zinc	2/10/2016	2/16/2016	6	180	OK
MW-36	2-Butanone	2/11/2016	2/12/2016	1	14	OK
MW-36	Acetone	2/11/2016	2/12/2016	1	14	OK
MW-36	Ammonia (as N)	2/11/2016	2/16/2016	5	28	OK
MW-36	Arsenic	2/11/2016	2/16/2016	5	180	OK
MW-36	Benzene	2/11/2016	2/12/2016	1	14	OK
MW-36	Beryllium	2/11/2016	2/16/2016	5	180	OK
MW-36	Bicarbonate (as CaCO3)	2/11/2016	2/16/2016	5	14	OK
MW-36	Cadmium	2/11/2016	2/16/2016	5	180	OK
MW-36	Calcium	2/11/2016	2/23/2016	12	180	OK
MW-36	Carbon tetrachloride	2/11/2016	2/12/2016	1	14	OK
MW-36	Carbonate (as CaCO3)	2/11/2016	2/16/2016	5	14	OK
MW-36	Chloride	2/11/2016	2/15/2016	4	28	OK
MW-36	Chloroform	2/11/2016	2/12/2016	1	14	OK
MW-36	Chloromethane	2/11/2016	2/12/2016	1	14	OK
MW-36	Chromium	2/11/2016	2/16/2016	5	180	OK
MW-36	Cobalt	2/11/2016	2/16/2016	5	180	OK
MW-36	Copper	2/11/2016	2/16/2016	5	180	OK
MW-36	Fluoride	2/11/2016	2/15/2016	4	28	OK
MW-36	Gross Radium Alpha	2/11/2016	3/9/2016	27	180	OK
MW-36	Iron	2/11/2016	2/17/2016	6	180	OK
MW-36	Lead	2/11/2016	2/16/2016	5	180	OK
MW-36	Magnesium	2/11/2016	2/23/2016	12	180	OK
MW-36	Manganese	2/11/2016	2/16/2016	5	180	OK
MW-36	Mercury	2/11/2016	2/18/2016	7	180	OK
MW-36	Methylene chloride	2/11/2016	2/12/2016	1	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-36	Molybdenum	2/11/2016	2/16/2016	5	180	OK
MW-36	Naphthalene	2/11/2016	2/12/2016	1	14	OK
MW-36	Nickel	2/11/2016	2/16/2016	5	180	OK
MW-36	Nitrate/Nitrite (as N)	2/11/2016	2/12/2016	1	28	OK
MW-36	Potassium	2/11/2016	2/23/2016	12	180	OK
MW-36	Selenium	2/11/2016	2/16/2016	5	180	OK
MW-36	Silver	2/11/2016	2/16/2016	5	180	OK
MW-36	Sodium	2/11/2016	2/23/2016	12	180	OK
MW-36	Sulfate	2/11/2016	2/15/2016	4	28	OK
MW-36	Tetrahydrofuran	2/11/2016	2/12/2016	1	14	OK
MW-36	Thallium	2/11/2016	2/16/2016	5	180	OK
MW-36	Tin	2/11/2016	2/16/2016	5	180	OK
MW-36	Toluene	2/11/2016	2/12/2016	1	14	OK
MW-36	Total Dissolved Solids	2/11/2016	2/12/2016	1	7	OK
MW-36	Uranium	2/11/2016	2/16/2016	5	180	OK
MW-36	Vanadium	2/11/2016	2/23/2016	12	180	OK
MW-36	Xylenes, Total	2/11/2016	2/12/2016	1	14	OK
MW-36	Zinc	2/11/2016	2/16/2016	5	180	OK
MW-37	2-Butanone	3/22/2016	3/23/2016	1	14	OK
MW-37	Acetone	3/22/2016	3/23/2016	1	14	OK
MW-37	Ammonia (as N)	3/22/2016	4/12/2016	21	28	OK
MW-37	Arsenic	3/22/2016	3/25/2016	3	180	OK
MW-37	Benzene	3/22/2016	3/23/2016	1	14	OK
MW-37	Beryllium	3/22/2016	3/25/2016	3	180	OK
MW-37	Bicarbonate (as CaCO3)	3/22/2016	3/24/2016	2	14	OK
MW-37	Cadmium	3/22/2016	3/25/2016	3	180	OK
MW-37	Calcium	3/22/2016	3/24/2016	2	180	OK
MW-37	Carbon tetrachloride	3/22/2016	3/23/2016	1	14	OK
MW-37	Carbonate (as CaCO3)	3/22/2016	3/24/2016	2	14	OK
MW-37	Chloride	3/22/2016	3/29/2016	7	28	OK
MW-37	Chloroform	3/22/2016	3/23/2016	1	14	OK
MW-37	Chloromethane	3/22/2016	3/23/2016	1	14	OK
MW-37	Chromium	3/22/2016	3/25/2016	3	180	OK
MW-37	Cobalt	3/22/2016	3/25/2016	3	180	OK
MW-37	Copper	3/22/2016	3/25/2016	3	180	OK
MW-37	Fluoride	3/22/2016	3/29/2016	7	28	OK
MW-37	Gross Radium Alpha	3/22/2016	4/19/2016	28	180	OK
MW-37	Iron	3/22/2016	3/25/2016	3	180	OK
MW-37	Lead	3/22/2016	3/25/2016	3	180	OK
MW-37	Magnesium	3/22/2016	3/24/2016	2	180	OK
MW-37	Manganese	3/22/2016	3/25/2016	3	180	OK
MW-37	Mercury	3/22/2016	3/28/2016	6	180	OK
MW-37	Methylene chloride	3/22/2016	3/23/2016	1	14	OK
MW-37	Molybdenum	3/22/2016	3/25/2016	3	180	OK
MW-37	Naphthalene	3/22/2016	3/23/2016	1	14	OK
MW-37	Nickel	3/22/2016	3/25/2016	3	180	OK
MW-37	Nitrate/Nitrite (as N)	3/22/2016	3/24/2016	2	28	OK
MW-37	Potassium	3/22/2016	3/24/2016	2	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-37	Selenium	3/22/2016	3/25/2016	3	180	OK
MW-37	Silver	3/22/2016	3/25/2016	3	180	OK
MW-37	Sodium	3/22/2016	3/24/2016	2	180	OK
MW-37	Sulfate	3/22/2016	3/28/2016	6	28	OK
MW-37	Tetrahydrofuran	3/22/2016	3/23/2016	1	14	OK
MW-37	Thallium	3/22/2016	3/25/2016	3	180	OK
MW-37	Tin	3/22/2016	3/25/2016	3	180	OK
MW-37	Toluene	3/22/2016	3/23/2016	1	14	OK
MW-37	Total Dissolved Solids	3/22/2016	3/25/2016	3	7	OK
MW-37	Uranium	3/22/2016	3/25/2016	3	180	OK
MW-37	Vanadium	3/22/2016	3/25/2016	3	180	OK
MW-37	Xylenes, Total	3/22/2016	3/23/2016	1	14	OK
MW-37	Zinc	3/22/2016	3/25/2016	3	180	OK
MW-65	2-Butanone	2/11/2016	2/12/2016	1	14	OK
MW-65	Acetone	2/11/2016	2/12/2016	1	14	OK
MW-65	Ammonia (as N)	2/11/2016	2/22/2016	11	28	OK
MW-65	Arsenic	2/11/2016	2/16/2016	5	180	OK
MW-65	Benzene	2/11/2016	2/12/2016	1	14	OK
MW-65	Beryllium	2/11/2016	2/16/2016	5	180	OK
MW-65	Bicarbonate (as CaCO3)	2/11/2016	2/16/2016	5	14	OK
MW-65	Cadmium	2/11/2016	2/16/2016	5	180	OK
MW-65	Calcium	2/11/2016	2/23/2016	12	180	OK
MW-65	Carbon tetrachloride	2/11/2016	2/12/2016	1	14	OK
MW-65	Carbonate (as CaCO3)	2/11/2016	2/16/2016	5	14	OK
MW-65	Chloride	2/11/2016	2/15/2016	4	28	OK
MW-65	Chloroform	2/11/2016	2/12/2016	1	14	OK
MW-65	Chloromethane	2/11/2016	2/12/2016	1	14	OK
MW-65	Chromium	2/11/2016	2/16/2016	5	180	OK
MW-65	Cobalt	2/11/2016	2/16/2016	5	180	OK
MW-65	Copper	2/11/2016	2/16/2016	5	180	OK
MW-65	Fluoride	2/11/2016	2/15/2016	4	28	OK
MW-65	Gross Radium Alpha	2/11/2016	3/9/2016	27	180	OK
MW-65	Iron	2/11/2016	2/17/2016	6	180	OK
MW-65	Lead	2/11/2016	2/16/2016	5	180	OK
MW-65	Magnesium	2/11/2016	2/23/2016	12	180	OK
MW-65	Manganese	2/11/2016	2/16/2016	5	180	OK
MW-65	Mercury	2/11/2016	2/18/2016	7	180	OK
MW-65	Methylene chloride	2/11/2016	2/12/2016	1	14	OK
MW-65	Molybdenum	2/11/2016	2/16/2016	5	180	OK
MW-65	Naphthalene	2/11/2016	2/12/2016	1	14	OK
MW-65	Nickel	2/11/2016	2/16/2016	5	180	OK
MW-65	Nitrate/Nitrite (as N)	2/11/2016	2/12/2016	1	28	OK
MW-65	Potassium	2/11/2016	2/23/2016	12	180	OK
MW-65	Selenium	2/11/2016	2/16/2016	5	180	OK
MW-65	Silver	2/11/2016	2/16/2016	5	180	OK
MW-65	Sodium	2/11/2016	2/23/2016	12	180	OK
MW-65	Sulfate	2/11/2016	2/15/2016	4	28	OK
MW-65	Tetrahydrofuran	2/11/2016	2/12/2016	1	14	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-65	Thallium	2/11/2016	2/16/2016	5	180	OK
MW-65	Tin	2/11/2016	2/16/2016	5	180	OK
MW-65	Toluene	2/11/2016	2/12/2016	1	14	OK
MW-65	Total Dissolved Solids	2/11/2016	2/12/2016	1	7	OK
MW-65	Uranium	2/11/2016	2/16/2016	5	180	OK
MW-65	Vanadium	2/11/2016	2/23/2016	12	180	OK
MW-65	Xylenes, Total	2/11/2016	2/12/2016	1	14	OK
MW-65	Zinc	2/11/2016	2/16/2016	5	180	OK
MW-70	2-Butanone	2/15/2016	2/18/2016	3	14	OK
MW-70	Acetone	2/15/2016	2/18/2016	3	14	OK
MW-70	Ammonia (as N)	2/15/2016	2/23/2016	8	28	OK
MW-70	Arsenic	2/15/2016	2/18/2016	3	180	OK
MW-70	Benzene	2/15/2016	2/18/2016	3	14	OK
MW-70	Beryllium	2/15/2016	2/18/2016	3	180	OK
MW-70	Bicarbonate (as CaCO3)	2/15/2016	2/19/2016	4	14	OK
MW-70	Cadmium	2/15/2016	2/18/2016	3	180	OK
MW-70	Calcium	2/15/2016	2/24/2016	9	180	OK
MW-70	Carbon tetrachloride	2/15/2016	2/18/2016	3	14	OK
MW-70	Carbonate (as CaCO3)	2/15/2016	2/19/2016	4	14	OK
MW-70	Chloride	2/15/2016	2/18/2016	3	28	OK
MW-70	Chloroform	2/15/2016	2/18/2016	3	14	OK
MW-70	Chloromethane	2/15/2016	2/18/2016	3	14	OK
MW-70	Chromium	2/15/2016	2/18/2016	3	180	OK
MW-70	Cobalt	2/15/2016	2/18/2016	3	180	OK
MW-70	Copper	2/15/2016	2/18/2016	3	180	OK
MW-70	Fluoride	2/15/2016	2/18/2016	3	28	OK
MW-70	Gross Radium Alpha	2/15/2016	3/17/2016	31	180	OK
MW-70	Iron	2/15/2016	2/18/2016	3	180	OK
MW-70	Lead	2/15/2016	2/18/2016	3	180	OK
MW-70	Magnesium	2/15/2016	2/24/2016	9	180	OK
MW-70	Manganese	2/15/2016	2/18/2016	3	180	OK
MW-70	Mercury	2/15/2016	2/19/2016	4	180	OK
MW-70	Methylene chloride	2/15/2016	2/18/2016	3	14	OK
MW-70	Molybdenum	2/15/2016	2/18/2016	3	180	OK
MW-70	Naphthalene	2/15/2016	2/18/2016	3	14	OK
MW-70	Nickel	2/15/2016	2/18/2016	3	180	OK
MW-70	Nitrate/Nitrite (as N)	2/15/2016	2/19/2016	4	28	OK
MW-70	Potassium	2/15/2016	3/1/2016	15	180	OK
MW-70	Selenium	2/15/2016	2/18/2016	3	180	OK
MW-70	Silver	2/15/2016	2/18/2016	3	180	OK
MW-70	Sodium	2/15/2016	2/24/2016	9	180	OK
MW-70	Sulfate	2/15/2016	2/18/2016	3	28	OK
MW-70	Tetrahydrofuran	2/15/2016	2/18/2016	3	14	OK
MW-70	Thallium	2/15/2016	2/18/2016	3	180	OK
MW-70	Tin	2/15/2016	2/18/2016	3	180	OK
MW-70	Toluene	2/15/2016	2/18/2016	3	14	OK
MW-70	Total Dissolved Solids	2/15/2016	2/19/2016	4	7	OK
MW-70	Uranium	2/15/2016	2/18/2016	3	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-70	Vanadium	2/15/2016	3/1/2016	15	180	OK
MW-70	Xylenes, Total	2/15/2016	2/18/2016	3	14	OK
MW-70	Zinc	2/15/2016	2/18/2016	3	180	OK

G-2B: Accelerated Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
Trip Blank	Chloroform	1/20/2016	1/22/2016	2	14	OK
Trip Blank	Methylene chloride	1/20/2016	1/22/2016	2	14	OK
Trip Blank	Chloroform	3/2/2016	3/7/2016	5	14	OK
Trip Blank	Methylene chloride	3/2/2016	3/7/2016	5	14	OK
MW-11	Manganese	1/20/2016	2/4/2016	15	180	OK
MW-11	Manganese	3/3/2016	3/11/2016	8	180	OK
MW-25	Chloride	1/19/2016	1/25/2016	6	28	OK
MW-25	Cadmium	1/19/2016	2/4/2016	16	180	OK
MW-25	Uranium	1/19/2016	2/4/2016	16	180	OK
MW-25	Chloride	3/2/2016	3/8/2016	6	28	OK
MW-25	Cadmium	3/2/2016	3/11/2016	9	180	OK
MW-25	Uranium	3/2/2016	3/11/2016	9	180	OK
MW-26	Chloride	1/20/2016	1/25/2016	5	28	OK
MW-26	Chloroform	1/20/2016	1/22/2016	2	14	OK
MW-26	Uranium	1/20/2016	2/4/2016	15	180	OK
MW-26	Methylene chloride	1/20/2016	1/22/2016	2	14	OK
MW-26	Nitrate/Nitrite (as N)	1/20/2016	1/26/2016	6	28	OK
MW-26	Chloride	3/2/2016	3/8/2016	6	28	OK
MW-26	Chloroform	3/2/2016	3/7/2016	5	14	OK
MW-26	Uranium	3/2/2016	3/11/2016	9	180	OK
MW-26	Methylene chloride	3/2/2016	3/7/2016	5	14	OK
MW-26	Nitrate/Nitrite (as N)	3/2/2016	3/7/2016	5	28	OK
MW-30	Chloride	1/20/2016	1/25/2016	5	28	OK
MW-30	Uranium	1/20/2016	2/4/2016	15	180	OK
MW-30	Ammonia (as N)	1/20/2016	1/25/2016	5	28	OK
MW-30	Selenium	1/20/2016	2/4/2016	15	180	OK
MW-30	Nitrate/Nitrite (as N)	1/20/2016	1/26/2016	6	28	OK
MW-30	Chloride	3/2/2016	3/8/2016	6	28	OK
MW-30	Fluoride	3/2/2016	3/8/2016	6	27	OK
MW-30	Uranium	3/2/2016	3/11/2016	9	180	OK
MW-30	Ammonia (as N)	3/2/2016	3/8/2016	6	28	OK
MW-30	Selenium	3/2/2016	3/11/2016	9	180	OK
MW-30	Nitrate/Nitrite (as N)	3/2/2016	3/7/2016	5	28	OK
MW-31	Sulfate	1/19/2016	1/25/2016	6	28	OK
MW-31	Chloride	1/19/2016	1/25/2016	6	28	OK
MW-31	Selenium	1/19/2016	2/4/2016	16	180	OK
MW-31	Nitrate/Nitrite (as N)	1/19/2016	1/26/2016	7	28	OK
MW-31	Total Dissolved Solids	1/19/2016	1/22/2016	3	7	OK
MW-31	Sulfate	3/2/2016	3/8/2016	6	28	OK
MW-31	Chloride	3/2/2016	3/8/2016	6	28	OK
MW-31	Selenium	3/2/2016	3/11/2016	9	180	OK
MW-31	Nitrate/Nitrite (as N)	3/2/2016	3/7/2016	5	28	OK
MW-31	Total Dissolved Solids	3/2/2016	3/4/2016	2	7	OK
MW-35	Manganese	1/19/2016	2/4/2016	16	180	OK
MW-35	Thallium	1/19/2016	2/4/2016	16	180	OK
MW-35	Uranium	1/19/2016	2/4/2016	16	180	OK
MW-35	Selenium	1/19/2016	2/4/2016	16	180	OK
MW-35	Gross Radium Alpha	1/19/2016	2/2/2016	14	180	OK

G-2B: Accelerated Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-35	Gross Radium Alpha	3/2/2016	3/28/2016	26	180	OK
MW-35	Manganese	3/2/2016	3/11/2016	9	180	OK
MW-35	Thallium	3/2/2016	3/11/2016	9	180	OK
MW-35	Uranium	3/2/2016	3/11/2016	9	180	OK
MW-35	Selenium	3/2/2016	3/11/2016	9	180	OK
MW-65	Chloride	1/20/2016	1/25/2016	5	28	OK
MW-65	Uranium	1/20/2016	2/4/2016	15	180	OK
MW-65	Ammonia (as N)	1/20/2016	1/25/2016	5	28	OK
MW-65	Selenium	1/20/2016	2/4/2016	15	180	OK
MW-65	Nitrate/Nitrite (as N)	1/20/2016	1/26/2016	6	28	OK
MW-65	Manganese	3/2/2016	3/11/2016	9	180	OK
MW-65	Thallium	3/2/2016	3/11/2016	9	180	OK
MW-65	Uranium	3/2/2016	3/11/2016	9	180	OK
MW-65	Selenium	3/2/2016	3/11/2016	9	180	OK
MW-65	Gross Radium Alpha	3/2/2016	3/28/2016	26	180	OK

G-3A: Quarterly Sample Laboratory Receipt Temperature Check

Sample Batch	Wells in Batch	Temperature
GEL 391359	MW-11, MW-25, MW-27, MW-30, MW-32, MW-35, MW-36	NA
GEL 392120	MW-03, MW-14, MW-26, MW-31	NA
GEL 393719	MW-37	NA
AWAL 1602107	MW-12, MW-27, MW-28, MW-32	0.04 °C
AWAL 1602215	MW-01, MW-11, MW-15, MW-18, MW-19, MW-25, MW-29, MW-30, MW-35, MW-36, Trip Blank	3.8 °C
AWAL 1602301	MW-03, MW-03A, MW-05, MW-14, MW-24, MW-26, MW-31, Trip Blank	2.9 °C
AWAL 1603480	MW-37,Trip Blank	2.8 °C

N/A = These shipments contained samples for the analysis of gross alpha only. Per Table 1 in the approved QAP, samples submitted for gross alpha analyses do not have a sample temperature requirement.

G-3B: Accelerated Sample Laboratory Receipt Temperature Check

Sample Batch	Wells in Batch	Temperature
GEL 389865	MW-35	NA
AWAL 1601320	MW-11, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65, Trip Blank	0.8 °C
GEL 392635	MW-35, MW65	NA
AWAL 1603110	MW-11, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65, Trip Blank	1.3 °C

N/A = These shipments contained samples for the analysis of gross alpha only. Per Table 1 in the approved QAP,samples submitted for gross alpha analyses do not have a sample temperature requirement.

G-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
Ammonia (as N)	A4500-NH3 G or E350.1	E350.1
Nitrate + Nitrite (as N)	E353.1 or E353.2	E353.2
Metals	E200.7 or E200.8	E200.7 or E200.8
Gross Alpha	E900.0 or E900.1	E900.1
VOCs	SW8260B or SW8260C	SW8260C
Chloride	A4500-Cl B or A4500-Cl E or E300.0	E300.0
Sulfate	A4500-SO4 E or E300.0	E300.0
TDS	A2540 C	A2540 C

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
Trip Blank	2-Butanone	20	ug/L	U	1	20	OK
Trip Blank	Acetone	20	ug/L	U	1	20	OK
Trip Blank	Benzene	1	ug/L	U	1	1	OK
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	Naphthalene	1	ug/L	U	1	1	OK
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	1	OK
Trip Blank	Toluene	1	ug/L	U	1	1	OK
Trip Blank	Xylenes, Total	1	ug/L	U	1	1	OK
Trip Blank	2-Butanone	20	ug/L	U	1	20	OK
Trip Blank	Acetone	20	ug/L	U	1	20	OK
Trip Blank	Benzene	1	ug/L	U	1	1	OK
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	Naphthalene	1	ug/L	U	1	1	OK
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	1	OK
Trip Blank	Toluene	1	ug/L	U	1	1	OK
Trip Blank	Xylenes, Total	1	ug/L	U	1	1	OK
Trip Blank	2-Butanone	20	ug/L	U	1	20	OK
Trip Blank	Acetone	20	ug/L	U	1	20	OK
Trip Blank	Benzene	1	ug/L	U	1	1	OK
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	Naphthalene	1	ug/L	U	1	1	OK
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	1	OK
Trip Blank	Toluene	1	ug/L	U	1	1	OK
Trip Blank	Xylenes, Total	1	ug/L	U	1	1	OK
MW-01	Chloride	10	mg/L		10	1	OK
MW-01	Sulfate	100	mg/L		100	1	OK
MW-03	2-Butanone	20	ug/L	U	1	20	OK
MW-03	Acetone	20	ug/L	U	1	20	OK
MW-03	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-03	Arsenic	5	ug/L	U	20	5	OK
MW-03	Benzene	1	ug/L	U	1	1	OK
MW-03	Beryllium	0.5	ug/L		5	0.5	OK
MW-03	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-03	Cadmium	0.5	ug/L		20	0.5	OK
MW-03	Calcium	20	mg/L		20	0.5	OK
MW-03	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-03	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-03	Chloride	10	mg/L		10	1	OK
MW-03	Chloroform	1	ug/L	U	1	1	OK
MW-03	Chloromethane	1	ug/L	U	1	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-03	Chromium	25	ug/L	U	20	25	OK
MW-03	Cobalt	10	ug/L	U	20	10	OK
MW-03	Copper	10	ug/L	U	20	10	OK
MW-03	Fluoride	0.1	mg/L		1	0.1	OK
MW-03	Gross Radium Alpha	1	pCi/L	U	1	1	OK
MW-03	Iron	30	ug/L	U	5	30	OK
MW-03	Lead	1	ug/L	U	5	1	OK
MW-03	Magnesium	20	mg/L		20	0.5	OK
MW-03	Manganese	10	ug/L		20	10	OK
MW-03	Mercury	0.5	ug/L	U	1	0.5	OK
MW-03	Methylene chloride	1	ug/L	U	1	1	OK
MW-03	Molybdenum	10	ug/L	U	20	10	OK
MW-03	Naphthalene	1	ug/L	U	1	1	OK
MW-03	Nickel	20	ug/L		20	20	OK
MW-03	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-03	Potassium	1	mg/L		1	0.5	OK
MW-03	Selenium	5	ug/L	U	20	5	OK
MW-03	Silver	10	ug/L	U	20	10	OK
MW-03	Sodium	50	mg/L		50	0.5	OK
MW-03	Sulfate	1000	mg/L		1000	1	OK
MW-03	Tetrahydrofuran	1	ug/L		1	1	OK
MW-03	Thallium	0.5	ug/L		5	0.5	OK
MW-03	Tin	100	ug/L	U	20	100	OK
MW-03	Toluene	1	ug/L	U	1	1	OK
MW-03	Total Dissolved Solids	20	MG/L		2	10	OK
MW-03	Uranium	0.3	ug/L		2	0.3	OK
MW-03	Vanadium	15	ug/L	U	1	15	OK
MW-03	Xylenes, Total	1	ug/L	U	1	1	OK
MW-03	Zinc	25	ug/L		100	10	OK
MW-03A	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-03A	Selenium	5	ug/L		20	5	OK
MW-03A	Sulfate	1000	mg/L		1000	1	OK
MW-03A	Total Dissolved Solids	20	MG/L		2	10	OK
MW-05	Uranium	0.3	ug/L		2	0.3	OK
MW-11	2-Butanone	20	ug/L	U	1	20	OK
MW-11	Acetone	20	ug/L	U	1	20	OK
MW-11	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-11	Arsenic	5	ug/L	U	20	5	OK
MW-11	Benzene	1	ug/L	U	1	1	OK
MW-11	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-11	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-11	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-11	Calcium	20	mg/L		20	0.5	OK
MW-11	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-11	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-11	Chloride	10	mg/L		10	1	OK
MW-11	Chloroform	1	ug/L	U	1	1	OK
MW-11	Chloromethane	1	ug/L	U	1	1	OK
MW-11	Chromium	25	ug/L	U	20	25	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-11	Cobalt	10	ug/L	U	20	10	OK
MW-11	Copper	10	ug/L	U	20	10	OK
MW-11	Fluoride	0.1	mg/L		1	0.1	OK
MW-11	Gross Radium Alpha	1	pCi/L	U	1	1	OK
MW-11	Iron	30	ug/L		5	30	OK
MW-11	Lead	1	ug/L	U	5	1	OK
MW-11	Magnesium	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	Methylene chloride	1	ug/L	U	1	1	OK
MW-11	Molybdenum	10	ug/L	U	20	10	OK
MW-11	Naphthalene	1	ug/L	U	1	1	OK
MW-11	Nickel	20	ug/L	U	20	20	OK
MW-11	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-11	Potassium	1	mg/L		1	0.5	OK
MW-11	Selenium	5	ug/L	U	20	5	OK
MW-11	Silver	10	ug/L	U	20	10	OK
MW-11	Sodium	40	mg/L		40	0.5	OK
MW-11	Sulfate	1000	mg/L		1000	1	OK
MW-11	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-11	Thallium	0.5	ug/L	U	5	0.5	OK
MW-11	Tin	100	ug/L	U	20	100	OK
MW-11	Toluene	1	ug/L	U	1	1	OK
MW-11	Total Dissolved Solids	20	MG/L		2	10	OK
MW-11	Uranium	0.3	ug/L		2	0.3	OK
MW-11	Vanadium	15	ug/L	U	1	15	OK
MW-11	Xylenes, Total	1	ug/L	U	1	1	OK
MW-11	Zinc	10	ug/L	U	20	10	OK
MW-12	Selenium	5	ug/L		20	5	OK
MW-14	2-Butanone	20	ug/L	U	1	20	OK
MW-14	Acetone	20	ug/L	U	1	20	OK
MW-14	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-14	Arsenic	5	ug/L	U	20	5	OK
MW-14	Benzene	1	ug/L	U	1	1	OK
MW-14	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-14	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-14	Cadmium	0.5	ug/L		20	0.5	OK
MW-14	Calcium	20	mg/L		20	0.5	OK
MW-14	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-14	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-14	Chloride	10	mg/L		10	1	OK
MW-14	Chloroform	1	ug/L	U	1	1	OK
MW-14	Chloromethane	1	ug/L	U	1	1	OK
MW-14	Chromium	25	ug/L	U	20	25	OK
MW-14	Cobalt	10	ug/L	U	20	10	OK
MW-14	Copper	10	ug/L	U	20	10	OK
MW-14	Fluoride	0.1	mg/L		1	0.1	OK
MW-14	Gross Radium Alpha	1	pCi/L	U	1	1	OK
MW-14	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-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	Methylene chloride	1	ug/L	U	1	1	OK
MW-14	Molybdenum	10	ug/L	U	20	10	OK
MW-14	Naphthalene	1	ug/L	U	1	1	OK
MW-14	Nickel	20	ug/L	U	20	20	OK
MW-14	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-14	Potassium	1	mg/L		1	0.5	OK
MW-14	Selenium	5	ug/L	U	20	5	OK
MW-14	Silver	10	ug/L	U	20	10	OK
MW-14	Sodium	20	mg/L		20	0.5	OK
MW-14	Sulfate	1000	mg/L		1000	1	OK
MW-14	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-14	Thallium	0.5	ug/L	U	5	0.5	OK
MW-14	Tin	100	ug/L	U	20	100	OK
MW-14	Toluene	1	ug/L	U	1	1	OK
MW-14	Total Dissolved Solids	20	MG/L		2	10	OK
MW-14	Uranium	0.3	ug/L		2	0.3	OK
MW-14	Vanadium	15	ug/L	U	1	15	OK
MW-14	Xylenes, Total	1	ug/L	U	1	1	OK
MW-14	Zinc	10	ug/L		20	10	OK
MW-15	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	Cadmium	0.5	ug/L		20	0.5	OK
MW-24	Fluoride	0.1	mg/L		1	0.1	OK
MW-24	Sulfate	1000	mg/L		1000	1	OK
MW-24	Thallium	0.5	ug/L		5	0.5	OK
MW-25	2-Butanone	20	ug/L	U	1	20	OK
MW-25	Acetone	20	ug/L	U	1	20	OK
MW-25	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-25	Arsenic	5	ug/L	U	20	5	OK
MW-25	Benzene	1	ug/L	U	1	1	OK
MW-25	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-25	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-25	Cadmium	0.5	ug/L		20	0.5	OK
MW-25	Calcium	20	mg/L		20	0.5	OK
MW-25	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-25	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-25	Chloride	10	mg/L		10	1	OK
MW-25	Chloroform	1	ug/L	U	1	1	OK
MW-25	Chloromethane	1	ug/L	U	1	1	OK
MW-25	Chromium	25	ug/L	U	20	25	OK
MW-25	Cobalt	10	ug/L	U	20	10	OK
MW-25	Copper	10	ug/L	U	20	10	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-25	Fluoride	0.1	mg/L		1	0.1	OK
MW-25	Gross Radium Alpha	1	pCi/L	U	1	1	OK
MW-25	Iron	30	ug/L	U	5	30	OK
MW-25	Lead	1	ug/L	U	5	1	OK
MW-25	Magnesium	20	mg/L		20	0.5	OK
MW-25	Manganese	10	ug/L		20	10	OK
MW-25	Mercury	0.5	ug/L	U	1	0.5	OK
MW-25	Methylene chloride	1	ug/L	U	1	1	OK
MW-25	Molybdenum	10	ug/L		20	10	OK
MW-25	Naphthalene	1	ug/L	U	1	1	OK
MW-25	Nickel	20	ug/L	U	20	20	OK
MW-25	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-25	Potassium	1	mg/L		1	0.5	OK
MW-25	Selenium	5	ug/L	U	20	5	OK
MW-25	Silver	10	ug/L	U	20	10	OK
MW-25	Sodium	20	mg/L		20	0.5	OK
MW-25	Sulfate	1000	mg/L		1000	1	OK
MW-25	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-25	Thallium	0.5	ug/L		5	0.5	OK
MW-25	Tin	100	ug/L	U	20	100	OK
MW-25	Toluene	1	ug/L	U	1	1	OK
MW-25	Total Dissolved Solids	20	MG/L		2	10	OK
MW-25	Uranium	0.3	ug/L		2	0.3	OK
MW-25	Vanadium	15	ug/L	U	1	15	OK
MW-25	Xylenes, Total	1	ug/L	U	1	1	OK
MW-25	Zinc	10	ug/L	U	20	10	OK
MW-26	2-Butanone	20	ug/L	U	1	20	OK
MW-26	Acetone	20	ug/L	U	1	20	OK
MW-26	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-26	Arsenic	5	ug/L	U	20	5	OK
MW-26	Benzene	1	ug/L	U	1	1	OK
MW-26	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-26	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-26	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-26	Calcium	20	mg/L		20	0.5	OK
MW-26	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-26	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-26	Chloride	10	mg/L		10	1	OK
MW-26	Chloroform	100	ug/L		100	1	OK
MW-26	Chloromethane	1	ug/L	U	1	1	OK
MW-26	Chromium	25	ug/L	U	20	25	OK
MW-26	Cobalt	10	ug/L	U	20	10	OK
MW-26	Copper	10	ug/L	U	20	10	OK
MW-26	Fluoride	0.1	mg/L		1	0.1	OK
MW-26	Gross Radium Alpha	1	pCi/L		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

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-26	Mercury	0.5	ug/L	U	1	0.5	OK
MW-26	Methylene chloride	1	ug/L		1	1	OK
MW-26	Molybdenum	10	ug/L	U	20	10	OK
MW-26	Naphthalene	1	ug/L	U	1	1	OK
MW-26	Nickel	20	ug/L	U	20	20	OK
MW-26	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-26	Potassium	1	mg/L		1	0.5	OK
MW-26	Selenium	5	ug/L	U	20	5	OK
MW-26	Silver	10	ug/L	U	20	10	OK
MW-26	Sodium	10	mg/L		10	0.5	OK
MW-26	Sulfate	1000	mg/L		1000	1	OK
MW-26	Tetrahydrofuran	1	ug/L	U	1	1	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	Toluene	1	ug/L	U	1	1	OK
MW-26	Total Dissolved Solids	20	MG/L		2	10	OK
MW-26	Uranium	0.3	ug/L		2	0.3	OK
MW-26	Vanadium	15	ug/L	U	1	15	OK
MW-26	Xylenes, Total	1	ug/L	U	1	1	OK
MW-26	Zinc	10	ug/L	U	20	10	OK
MW-27	Chloride	10	mg/L		10	1	OK
MW-27	Gross Radium Alpha	1	pCi/L	U	1	1	OK
MW-27	Nitrate/Nitrite (as N)	0.2	mg/L		20	0.1	OK
MW-27	Sulfate	100	mg/L		100	1	OK
MW-27	Total Dissolved Solids	20	MG/L		2	10	OK
MW-28	Cadmium	0.5	ug/L		20	0.5	OK
MW-28	Chloride	100	mg/L		100	1	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	2-Butanone	20	ug/L	U	1	20	OK
MW-30	Acetone	20	ug/L	U	1	20	OK
MW-30	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-30	Arsenic	5	ug/L	U	20	5	OK
MW-30	Benzene	1	ug/L	U	1	1	OK
MW-30	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-30	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-30	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-30	Calcium	20	mg/L		20	0.5	OK
MW-30	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-30	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-30	Chloride	100	mg/L		100	1	OK
MW-30	Chloroform	1	ug/L	U	1	1	OK
MW-30	Chloromethane	1	ug/L	U	1	1	OK
MW-30	Chromium	25	ug/L	U	20	25	OK
MW-30	Cobalt	10	ug/L	U	20	10	OK
MW-30	Copper	10	ug/L	U	20	10	OK
MW-30	Fluoride	0.1	mg/L		1	0.1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-30	Gross Radium Alpha	1	pCi/L	U	1	1	OK
MW-30	Iron	30	ug/L	U	5	30	OK
MW-30	Lead	1	ug/L	U	5	1	OK
MW-30	Magnesium	20	mg/L		20	0.5	OK
MW-30	Manganese	10	ug/L		20	10	OK
MW-30	Mercury	0.5	ug/L	U	1	0.5	OK
MW-30	Methylene chloride	1	ug/L	U	1	1	OK
MW-30	Molybdenum	10	ug/L	U	20	10	OK
MW-30	Naphthalene	1	ug/L	U	1	1	OK
MW-30	Nickel	20	ug/L	U	20	20	OK
MW-30	Nitrate/Nitrite (as N)	0.2	mg/L		20	0.1	OK
MW-30	Potassium	1	mg/L		1	0.5	OK
MW-30	Selenium	5	ug/L		20	5	OK
MW-30	Silver	10	ug/L	U	20	10	OK
MW-30	Sodium	20	mg/L		20	0.5	OK
MW-30	Sulfate	100	mg/L		100	1	OK
MW-30	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-30	Thallium	0.5	ug/L	U	5	0.5	OK
MW-30	Tin	100	ug/L	U	20	100	OK
MW-30	Toluene	1	ug/L	U	1	1	OK
MW-30	Total Dissolved Solids	20	MG/L		2	10	OK
MW-30	Uranium	0.3	ug/L		2	0.3	OK
MW-30	Vanadium	15	ug/L	U	1	15	OK
MW-30	Xylenes, Total	1	ug/L	U	1	1	OK
MW-30	Zinc	10	ug/L	U	20	10	OK
MW-31	2-Butanone	20	ug/L	U	1	20	OK
MW-31	Acetone	20	ug/L	U	1	20	OK
MW-31	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-31	Arsenic	5	ug/L	U	20	5	OK
MW-31	Benzene	1	ug/L	U	1	1	OK
MW-31	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-31	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-31	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-31	Calcium	10	mg/L		10	0.5	OK
MW-31	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-31	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-31	Chloride	100	mg/L		100	1	OK
MW-31	Chloroform	1	ug/L	U	1	1	OK
MW-31	Chloromethane	1	ug/L	U	1	1	OK
MW-31	Chromium	25	ug/L	U	20	25	OK
MW-31	Cobalt	10	ug/L	U	20	10	OK
MW-31	Copper	10	ug/L	U	20	10	OK
MW-31	Fluoride	0.1	mg/L		1	0.1	OK
MW-31	Gross Radium Alpha	1	pCi/L		1	1	OK
MW-31	Iron	30	ug/L	U	5	30	OK
MW-31	Lead	1	ug/L	U	5	1	OK
MW-31	Magnesium	5	mg/L		5	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

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-31	Methylene chloride	1	ug/L	U	1	1	OK
MW-31	Molybdenum	10	ug/L	U	20	10	OK
MW-31	Naphthalene	1	ug/L	U	1	1	OK
MW-31	Nickel	20	ug/L	U	20	20	OK
MW-31	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-31	Potassium	1	mg/L		1	0.5	OK
MW-31	Selenium	5	ug/L		20	5	OK
MW-31	Silver	10	ug/L	U	20	10	OK
MW-31	Sodium	5	mg/L		5	0.5	OK
MW-31	Sulfate	100	mg/L		100	1	OK
MW-31	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-31	Thallium	0.5	ug/L	U	5	0.5	OK
MW-31	Tin	100	ug/L	U	20	100	OK
MW-31	Toluene	1	ug/L	U	1	1	OK
MW-31	Total Dissolved Solids	20	MG/L		2	10	OK
MW-31	Uranium	0.3	ug/L		2	0.3	OK
MW-31	Vanadium	15	ug/L	U	1	15	OK
MW-31	Xylenes, Total	1	ug/L	U	1	1	OK
MW-31	Zinc	10	ug/L	U	20	10	OK
MW-32	Chloride	10	mg/L		10	1	OK
MW-32	Gross Radium Alpha	1	pCi/L		1	1	OK
MW-35	2-Butanone	20	ug/L	U	1	20	OK
MW-35	Acetone	20	ug/L	U	1	20	OK
MW-35	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-35	Arsenic	5	ug/L	U	20	5	OK
MW-35	Benzene	1	ug/L	U	1	1	OK
MW-35	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-35	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-35	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-35	Calcium	40	mg/L		40	0.5	OK
MW-35	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-35	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-35	Chloride	10	mg/L		10	1	OK
MW-35	Chloroform	1	ug/L	U	1	1	OK
MW-35	Chloromethane	1	ug/L	U	1	1	OK
MW-35	Chromium	25	ug/L	U	20	25	OK
MW-35	Cobalt	10	ug/L	U	20	10	OK
MW-35	Copper	10	ug/L	U	20	10	OK
MW-35	Fluoride	0.1	mg/L		1	0.1	OK
MW-35	Gross Radium Alpha	1	pCi/L		1	1	OK
MW-35	Iron	30	ug/L		5	30	OK
MW-35	Lead	1	ug/L	U	5	1	OK
MW-35	Magnesium	20	mg/L		20	0.5	OK
MW-35	Manganese	10	ug/L		20	10	OK
MW-35	Mercury	0.5	ug/L	U	1	0.5	OK
MW-35	Methylene chloride	1	ug/L	U	1	1	OK
MW-35	Molybdenum	10	ug/L	U	20	10	OK
MW-35	Naphthalene	1	ug/L	U	1	1	OK
MW-35	Nickel	20	ug/L	U	20	20	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-35	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-35	Potassium	1	mg/L		1	0.5	OK
MW-35	Selenium	5	ug/L		20	5	OK
MW-35	Silver	10	ug/L	U	20	10	OK
MW-35	Sodium	20	mg/L		20	0.5	OK
MW-35	Sulfate	1000	mg/L		1000	1	OK
MW-35	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-35	Thallium	0.5	ug/L	U	5	0.5	OK
MW-35	Tin	100	ug/L	U	20	100	OK
MW-35	Toluene	1	ug/L	U	1	1	OK
MW-35	Total Dissolved Solids	20	MG/L		2	10	OK
MW-35	Uranium	0.3	ug/L		2	0.3	OK
MW-35	Vanadium	15	ug/L	U	1	15	OK
MW-35	Xylenes, Total	1	ug/L	U	1	1	OK
MW-35	Zinc	10	ug/L	U	20	10	OK
MW-36	2-Butanone	20	ug/L	U	1	20	OK
MW-36	Acetone	20	ug/L	U	1	20	OK
MW-36	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-36	Arsenic	5	ug/L	U	20	5	OK
MW-36	Benzene	1	ug/L	U	1	1	OK
MW-36	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-36	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-36	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-36	Calcium	40	mg/L		40	0.5	OK
MW-36	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-36	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-36	Chloride	10	mg/L		10	1	OK
MW-36	Chloroform	1	ug/L	U	1	1	OK
MW-36	Chloromethane	1	ug/L	U	1	1	OK
MW-36	Chromium	25	ug/L	U	20	25	OK
MW-36	Cobalt	10	ug/L	U	20	10	OK
MW-36	Copper	10	ug/L	U	20	10	OK
MW-36	Fluoride	0.1	mg/L		1	0.1	OK
MW-36	Gross Radium Alpha	1	pCi/L	U	1	1	OK
MW-36	Iron	30	ug/L	U	5	30	OK
MW-36	Lead	1	ug/L	U	5	1	OK
MW-36	Magnesium	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	Methylene chloride	1	ug/L	U	1	1	OK
MW-36	Molybdenum	10	ug/L	U	20	10	OK
MW-36	Naphthalene	1	ug/L	U	1	1	OK
MW-36	Nickel	20	ug/L	U	20	20	OK
MW-36	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-36	Potassium	1	mg/L		1	0.5	OK
MW-36	Selenium	5	ug/L		20	5	OK
MW-36	Silver	10	ug/L	U	20	10	OK
MW-36	Sodium	40	mg/L		40	0.5	OK
MW-36	Sulfate	1000	mg/L		1000	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-36	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-36	Thallium	0.5	ug/L		5	0.5	OK
MW-36	Tin	100	ug/L	U	20	100	OK
MW-36	Toluene	1	ug/L	U	1	1	OK
MW-36	Total Dissolved Solids	20	MG/L		2	10	OK
MW-36	Uranium	0.3	ug/L		2	0.3	OK
MW-36	Vanadium	15	ug/L	U	1	15	OK
MW-36	Xylenes, Total	1	ug/L	U	1	1	OK
MW-36	Zinc	10	ug/L	U	20	10	OK
MW-37	2-Butanone	20	ug/L	U	1	20	OK
MW-37	Acetone	20	ug/L	U	1	20	OK
MW-37	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-37	Arsenic	5	ug/L	U	20	5	OK
MW-37	Benzene	1	ug/L	U	1	1	OK
MW-37	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-37	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-37	Cadmium	0.5	ug/L		20	0.5	OK
MW-37	Calcium	100	mg/L		100	0.5	OK
MW-37	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-37	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-37	Chloride	10	mg/L		10	1	OK
MW-37	Chloroform	1	ug/L	U	1	1	OK
MW-37	Chloromethane	1	ug/L	U	1	1	OK
MW-37	Chromium	25	ug/L	U	20	25	OK
MW-37	Cobalt	10	ug/L		20	10	OK
MW-37	Copper	10	ug/L	U	20	10	OK
MW-37	Fluoride	0.1	mg/L		1	0.1	OK
MW-37	Gross Radium Alpha	1	pCi/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		20	10	OK
MW-37	Mercury	0.5	ug/L	U	1	0.5	OK
MW-37	Methylene chloride	1	ug/L	U	1	1	OK
MW-37	Molybdenum	10	ug/L	U	20	10	OK
MW-37	Naphthalene	1	ug/L	U	1	1	OK
MW-37	Nickel	20	ug/L		20	20	OK
MW-37	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-37	Potassium	10	mg/L		10	0.5	OK
MW-37	Selenium	5	ug/L		20	5	OK
MW-37	Silver	10	ug/L	U	20	10	OK
MW-37	Sodium	100	mg/L		100	0.5	OK
MW-37	Sulfate	1000	mg/L		1000	1	OK
MW-37	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-37	Thallium	0.5	ug/L		5	0.5	OK
MW-37	Tin	100	ug/L	U	20	100	OK
MW-37	Toluene	1	ug/L	U	1	1	OK
MW-37	Total Dissolved Solids	20	MG/L		2	10	OK
MW-37	Uranium	0.3	ug/L		2	0.3	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-37	Vanadium	15	ug/L	U	1	15	OK
MW-37	Xylenes, Total	1	ug/L	U	1	1	OK
MW-37	Zinc	10	ug/L		20	10	OK
MW-65	2-Butanone	20	ug/L	U	1	20	OK
MW-65	Acetone	20	ug/L	U	1	20	OK
MW-65	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-65	Arsenic	5	ug/L	U	20	5	OK
MW-65	Benzene	1	ug/L	U	1	1	OK
MW-65	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-65	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-65	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-65	Calcium	40	mg/L		40	0.5	OK
MW-65	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-65	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-65	Chloride	10	mg/L		10	1	OK
MW-65	Chloroform	1	ug/L	U	1	1	OK
MW-65	Chloromethane	1	ug/L	U	1	1	OK
MW-65	Chromium	25	ug/L	U	20	25	OK
MW-65	Cobalt	10	ug/L	U	20	10	OK
MW-65	Copper	10	ug/L	U	20	10	OK
MW-65	Fluoride	0.1	mg/L		1	0.1	OK
MW-65	Gross Radium Alpha	1	pCi/L	U	1	1	OK
MW-65	Iron	30	ug/L	U	5	30	OK
MW-65	Lead	1	ug/L	U	5	1	OK
MW-65	Magnesium	20	mg/L		20	0.5	OK
MW-65	Manganese	10	ug/L	U	20	10	OK
MW-65	Mercury	0.5	ug/L	U	1	0.5	OK
MW-65	Methylene chloride	1	ug/L	U	1	1	OK
MW-65	Molybdenum	10	ug/L	U	20	10	OK
MW-65	Naphthalene	1	ug/L	U	1	1	OK
MW-65	Nickel	20	ug/L	U	20	20	OK
MW-65	Nitrate/Nitrite (as N)	0.1	mg/L	U	1	0.1	OK
MW-65	Potassium	1	mg/L		1	0.5	OK
MW-65	Selenium	5	ug/L		20	5	OK
MW-65	Silver	10	ug/L	U	20	10	OK
MW-65	Sodium	40	mg/L		40	0.5	OK
MW-65	Sulfate	1000	mg/L		1000	1	OK
MW-65	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-65	Thallium	0.5	ug/L		5	0.5	OK
MW-65	Tin	100	ug/L	U	20	100	OK
MW-65	Toluene	1	ug/L	U	1	1	OK
MW-65	Total Dissolved Solids	20	MG/L		2	10	OK
MW-65	Uranium	0.3	ug/L		2	0.3	OK
MW-65	Vanadium	15	ug/L	U	1	15	OK
MW-65	Xylenes, Total	1	ug/L	U	1	1	OK
MW-65	Zinc	10	ug/L	U	20	10	OK
MW-70	2-Butanone	20	ug/L	U	1	20	OK
MW-70	Acetone	20	ug/L	U	1	20	OK
MW-70	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-70	Arsenic	5	ug/L	U	20	5	OK
MW-70	Benzene	1	ug/L	U	1	1	OK
MW-70	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-70	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-70	Cadmium	0.5	ug/L		20	0.5	OK
MW-70	Calcium	50	mg/L		50	0.5	OK
MW-70	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-70	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-70	Chloride	10	mg/L		10	1	OK
MW-70	Chloroform	1	ug/L	U	1	1	OK
MW-70	Chloromethane	1	ug/L	U	1	1	OK
MW-70	Chromium	25	ug/L	U	20	25	OK
MW-70	Cobalt	10	ug/L	U	20	10	OK
MW-70	Copper	10	ug/L	U	20	10	OK
MW-70	Fluoride	0.1	mg/L		1	0.1	OK
MW-70	Gross Radium Alpha	1	pCi/L	U	1	1	OK
MW-70	Iron	30	ug/L	U	5	30	OK
MW-70	Lead	1	ug/L	U	5	1	OK
MW-70	Magnesium	10	mg/L		10	0.5	OK
MW-70	Manganese	10	ug/L		20	10	OK
MW-70	Mercury	0.5	ug/L	U	1	0.5	OK
MW-70	Methylene chloride	1	ug/L	U	1	1	OK
MW-70	Molybdenum	10	ug/L	U	20	10	OK
MW-70	Naphthalene	1	ug/L	U	1	1	OK
MW-70	Nickel	20	ug/L	U	20	20	OK
MW-70	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-70	Potassium	1	mg/L		1	0.5	OK
MW-70	Selenium	5	ug/L	U	20	5	OK
MW-70	Silver	10	ug/L	U	20	10	OK
MW-70	Sodium	20	mg/L		20	0.5	OK
MW-70	Sulfate	1000	mg/L		1000	1	OK
MW-70	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-70	Thallium	0.5	ug/L	U	5	0.5	OK
MW-70	Tin	100	ug/L	U	20	100	OK
MW-70	Toluene	1	ug/L	U	1	1	OK
MW-70	Total Dissolved Solids	20	MG/L		2	10	OK
MW-70	Uranium	0.3	ug/L		2	0.3	OK
MW-70	Vanadium	15	ug/L	U	1	15	OK
MW-70	Xylenes, Total	1	ug/L	U	1	1	OK
MW-70	Zinc	10	ug/L		20	10	OK

G-5B Accelerated Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
MW-11	Manganese	10	ug/L		20	10	OK
MW-11	Manganese	10	ug/L		20	10	OK
MW-25	Chloride	10	mg/L		10	1	OK
MW-25	Cadmium	0.5	ug/L		20	0.5	OK
MW-25	Uranium	0.3	ug/L		2	0.3	OK
MW-25	Chloride	10	mg/L		10	1	OK
MW-25	Cadmium	0.5	ug/L		20	0.5	OK
MW-25	Uranium	0.3	ug/L		2	0.3	OK
MW-26	Chloride	10	mg/L		10	1	OK
MW-26	Chloroform	100	ug/L		100	1	OK
MW-26	Uranium	0.3	ug/L		2	0.3	OK
MW-26	Methylene chloride	1	ug/L		1	1	OK
MW-26	Nitrate/Nitrite (as N)	0.1	mg/L		1	0.1	OK
MW-26	Chloride	10	mg/L		10	1	OK
MW-26	Chloroform	100	ug/L		100	1	OK
MW-26	Uranium	0.3	ug/L		2	0.3	OK
MW-26	Methylene chloride	1	ug/L		1	1	OK
MW-26	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-30	Chloride	100	mg/L		100	1	OK
MW-30	Uranium	0.3	ug/L		2	0.3	OK
MW-30	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-30	Selenium	5	ug/L		20	5	OK
MW-30	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-30	Chloride	100	mg/L		100	1	OK
MW-30	Fluoride	10	mg/L	U	100	0.1	Error
MW-30	Uranium	0.3	ug/L		2	0.3	OK
MW-30	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-30	Selenium	5	ug/L		20	5	OK
MW-30	Nitrate/Nitrite (as N)	0.2	mg/L		20	0.1	OK
MW-31	Sulfate	100	mg/L		100	1	OK
MW-31	Chloride	100	mg/L		100	1	OK
MW-31	Selenium	5	ug/L		20	5	OK
MW-31	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-31	Total Dissolved Solids	20	MG/L		2	10	OK
MW-31	Sulfate	100	mg/L		100	1	OK
MW-31	Chloride	100	mg/L		100	1	OK
MW-31	Selenium	5	ug/L		20	5	OK
MW-31	Nitrate/Nitrite (as N)	1	mg/L		100	0.1	OK
MW-31	Total Dissolved Solids	20	MG/L		2	10	OK
MW-35	Manganese	10	ug/L		20	10	OK
MW-35	Thallium	0.5	ug/L	U	5	0.5	OK
MW-35	Uranium	0.3	ug/L		2	0.3	OK
MW-35	Selenium	5	ug/L		20	5	OK
MW-35	Gross Radium Alpha	1	pCi/L		1	1	OK
MW-35	Manganese	10	ug/L		20	10	OK

G-5B Accelerated Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-35	Thallium	0.5	ug/L	U	5	0.5	OK
MW-35	Uranium	0.3	ug/L		2	0.3	OK
MW-35	Selenium	5	ug/L		20	5	OK
MW-35	Gross Radium Alpha	1	pCi/L		1	1	OK
MW-65	Chloride	100	mg/L		100	1	OK
MW-65	Uranium	0.3	ug/L		2	0.3	OK
MW-65	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-65	Selenium	5	ug/L		20	5	OK
MW-65	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-65	Manganese	10	ug/L		20	10	OK
MW-65	Thallium	0.5	ug/L	U	5	0.5	OK
MW-65	Uranium	0.3	ug/L		2	0.3	OK
MW-65	Selenium	5	ug/L		20	5	OK
MW-65	Gross Radium Alpha	1	pCi/L		1	1	OK

G-6A: Quarterly Sample Trip Blank Evaluation

All trip blanks for the Quarter were non detect.

Blank	Sample Date	Laboratory
AWAL 1602215	2/8/2016	AWAL
AWAL 1602301	2/15/2016	AWAL
AWAL 1603480	3/22/2016	AWAL

G-6B: Accelerated Sample Trip Blank Evaluation

All trip blanks for the Accelerated samples were non detect.

Blank	Sample Date	Laboratory
AWAL 1601320	1/20/2016	AWAL
AWAL 1603110	3/2/2016	AWAL

G-7A: QA/QC Evaluation for Quarterly Sample Duplicates

Constituent	MW-36 02/11/16	MW-65 02/11/16	%RPD
Ammonia (as N) (mg/L)	0.097	0.0668	36.87
Bicarbonate as CaCO3 (mg/L)	291	284	2.43
Calcium (mg/L)	464	469	1.07
Chloride (mg/L)	58.6	58.5	0.17
Fluoride (mg/L)	0.279	0.264	5.52
Magnesium (mg/L)	137	139	1.45
Potassium (mg/L)	9.68	9.66	0.21
Selenium (mg/L)	0.247	0.243	1.63
Sodium (mg/L)	709	713	0.56
Sulfate (mg/L)	2730	2700	1.10
TDS (mg/L)	4240	4280	0.94
Thallium (mg/L)	0.000642	0.000637	0.78
Uranium (mg/L)	0.0215	0.0212	1.41
Constituent	**MW-14 02/15/16**	**MW-70 02/15/16**	**%RPD**
Bicarbonate as HCO3	381	386	1.30
Cadmium (mg/L)	0.00131	0.00131	0.00
Calcium (mg/L)	526	534	1.51
Chloride (mg/L)	20.6	20.3	1.47
Fluoride (mg/L)	0.134	0.131	2.26
Magnesium (mg/L)	154	156	1.29
Manganese (mg/L)	1.91	1.92	0.52
Potassium (mg/L)	11.2	11.5	2.64
Sodium (mg/L)	326	329	0.92
Sulfate (mg/L)	2220	2200	0.90
TDS (mg/L)	3520	3350	4.95
Uranium (mg/L)	0.0562	0.0567	0.89
Zinc (mg/L)	0.0124	0.0124	0.00

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-30 1/20/16	MW-65 1/20/16	%RPD*
Ammonia (as N)	<0.05	<0.05	NC
Nitrate + Nitrite (as N) (mg/L)	14.6	16.5	12.22
Selenium (mg/L)	0.0417	0.0419	0.48
Uranium (mg/L)	0.00834	0.00802	3.91
Chloride (mg/L)	143	142	0.70
Constituent	**MW-35 3/02/16**	**MW-65 3/02/16**	**%RPD**
Manganese (mg/L)	0.194	0.198	2.04
Selenium (mg/L)	0.0202	0.0209	3.41
Thallium (mg/L)	<0.0005	<0.0005	NC
Uranium (mg/L)	0.0218	0.0214	1.85
Radiologic RPD Tests			
Gross Alpha minus Rn & U	3.88	4.63	1.22
Gross Alpha minus Rn & U Precision (±)	0.416	0.456	

* 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-03	1.00 U	0.287	NC	1	NC
MW-11	1.00 U	0.146	NC	3.75	NC
MW-14	1.00 U	0.237	NC	7.5	NC
MW-25	1.00 U	0.141	NC	7.5	NC
MW-26	2.77	0.465	Y	4.69	Y
MW-27	1.00 U	0.125	NC	2	NC
MW-30	1.00 U	0.306	NC	3.75	NC
MW-31	1.05	0.352	N	7.5	Y
MW-32	2.17	0.199	Y	3.33	Y
MW-35	2.42	0.485	N	3.75	Y
MW-36	1.00 U	0.162	NC	--	
MW-37	1.00 U	0.204	NC	--	
MW-65	1.00 U	0.168	NC	--	
MW-70	1.00 U	0.292	NC	7.5	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	3/2/2016	3.88	0.416	Y	3.75	N/A
MW-65	3/2/2016	4.63	0.456	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
1602215	MW-11	Calcium*	NC	NC	70-130	NC	20
1602215	MW-11	Sodium*	NC	NC	70-130	NC	20
1602215	MW-11	Ammonia	122	122	90 - 110	0.0614	10
1602215	MW-30	Nitrate*	NC	NC	70-130	NC	20
1602301	MW-03	Sodium*	NC	NC	70-130	NC	20
1602301	MW-03	Calcium*	NC	NC	70-130	NC	20
1602301	MW-03	Magnesium*	NC	NC	70-130	NC	20
1602301	MW-03	Manganese*	NC	NC	75 - 125	NC	20
1603480	MW-37	Sodium*	NC	NC	70-130	NC	20
1603480	MW-37	Calcium*	NC	NC	70-130	NC	20
1603480	MW-37	Magnesium*	NC	NC	70-130	NC	20
1603480	MW-37	Nitrate	119	120	90 - 110	1.31	10
1603480	MW-37	Tetrahydrofuran	62.9	80.9	43 - 146	25.1	25
391359	MW-32	Gross Alpha	53.4	57.9	75 - 125	25.1	7.99
393719	MW-37	Gross Alpha	103	81.2	75 - 125	24.1	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 %
1602107	MW-27	Total Dissolved Solids	980	1050	6.71	5
391359	MW-32	Gross Alpha	2.17	2.7	22.1	20

G-9B: Accelerated Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD %	RPD Range %
1601320 - January Accelerated	MW-65 (Duplicate of MW-30)	Ammonia	123	126	90-110	2.09	10
1603110 - March Accelerated	MW-30	Ammonia	114	112	90-110	2.14	10

Laboratory Duplicate % Recovery Comparison

All Laboratory Duplicates for the quarter were non-detect.

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

CORRAL CANYON

ENTRANCE SPRING

WESTWATER

COTTONWOOD
(not included)

RUIN SPRING

CORRAL SPRINGS

WHITE MESA

Cell 1

Cell 2

Cell 3

Cell 4B

Cell 4A

TWN-11 abandoned
TWN-12 abandoned
TWN-19
TWN-16
TWN-15 abandoned
TWN-17 abandoned
TWN-14
TWN-10 abandoned
TWN-09 abandoned
TWN-13 abandoned
TWN-06
PIEZ-01
TWN-05 abandoned
TWN-08 abandoned
MW-19
TWN-18
TWN-07
TWN-03
PIEZ-02
TWN-02
TWN-04
MW-27
TW4-25
TWN-01
PIEZ-03
TW4-21
TW4-19
TW4-18
TW4-22
TW4-24
TW4-05
TW4-37
TW4-20
TW4-09
TW4-03
TW4-12
TW4-38
TW4-10
TW4-02
TW4-16
TW4-11
TW4-13
TW4-32
TW4-04
TW4-01
TW4-35
TW4-08
TW4-14
TW4-23
TW4-27
TW4-31
TW4-33
TW4-26
TW4-29
TW4-30
TW4-34
TW4-36
MW-01
MW-18
MW-02
MW-24
MW-28
MW-29
MW-38
MW-31
MW-32
MW-23
MW-12
MW-05
MW-35A
MW-35B
MW-25
PIEZ-04
MW-34
MW-37
MW-15
MW-16
PIEZ-05
MW-17
MW-03
MW-22
MW-20
DR-05
DR-06
DR-07
DR-08
DR-09
DR-10
DR-11
DR-12
DR-13
DR-14
DR-15
DR-17
DR-19
DR-20
DR-21
DR-22
DR-23
DR-24

5610
5600
5590
5580
5570
5560
5550
5540
5530
5520
5510
5500
5490
5480
5470
5460
5450
5440
5430
5420
5410
5400
5390

1 mile

EXPLANATION

- estimated dry area
- **MW-5** ● 5503 — perched monitoring well showing elevation in feet amsl
- **TW4-12** ○ 5579 — temporary perched monitoring well showing elevation in feet amsl
- **TWN-7** ◇ 5564 — temporary perched nitrate monitoring well showing elevation in feet amsl
- **PIEZ-1** ◒ 5591 — perched piezometer showing elevation in feet amsl
- **RUIN SPRING** 5380 — seep or spring showing elevation in feet amsl

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11,TW4-19, TW4-20, TW4-21 and TW4-37 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells
TW4-11 water level is below the base of the Burro Canyon Formation

HYDRO GEO CHEM, INC.

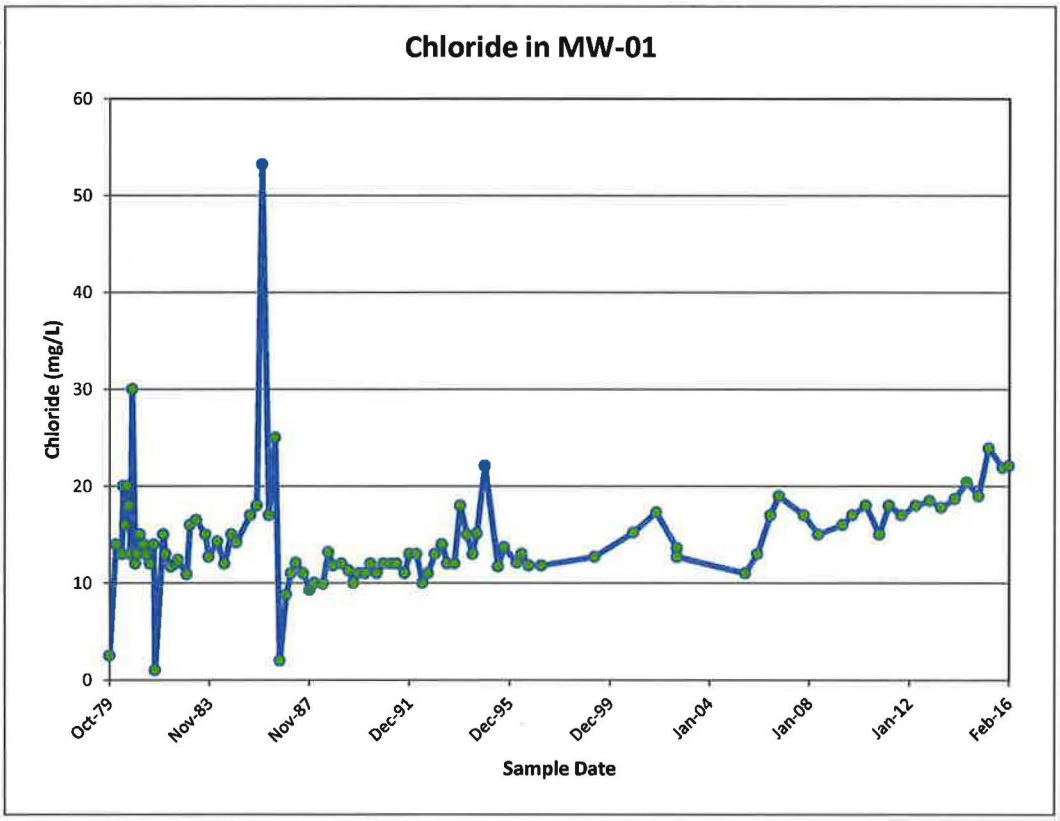
KRIGED 1st QUARTER, 2016 WATER LEVELS WHITE MESA SITE

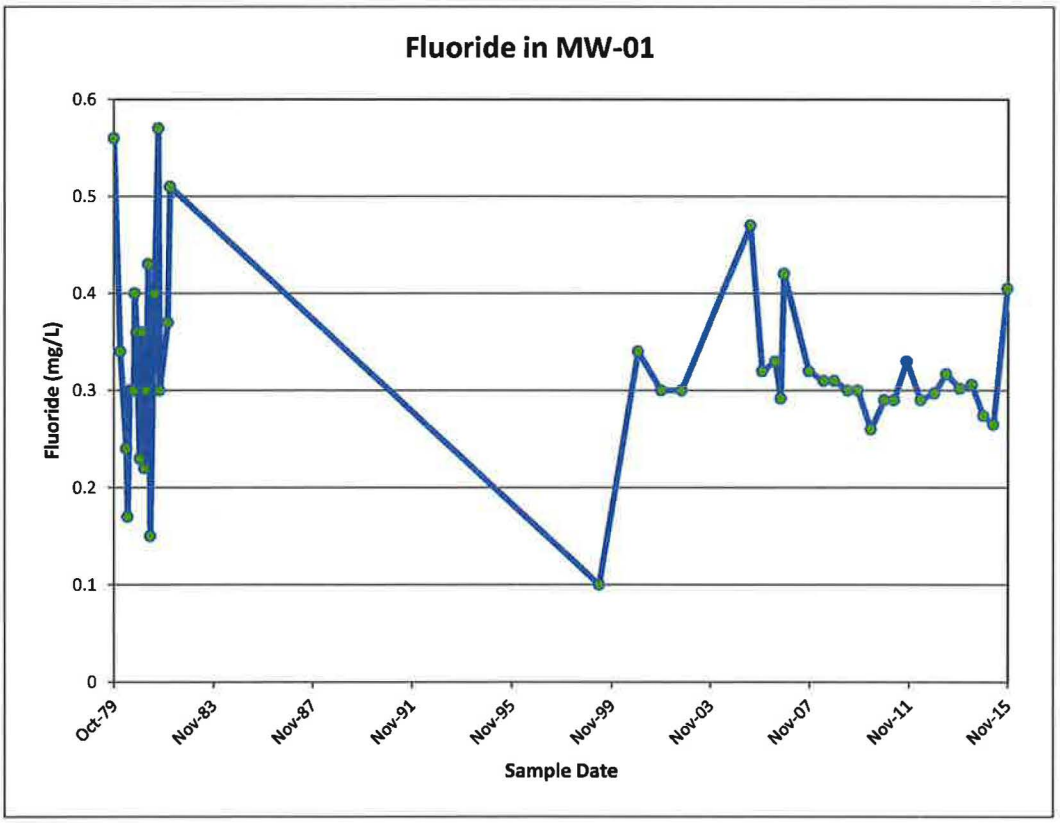
APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/may16/WL/Uwl0316.srf	H-1

Tab I

Groundwater Time Concentration Plots

Time concentration plots for MW-01

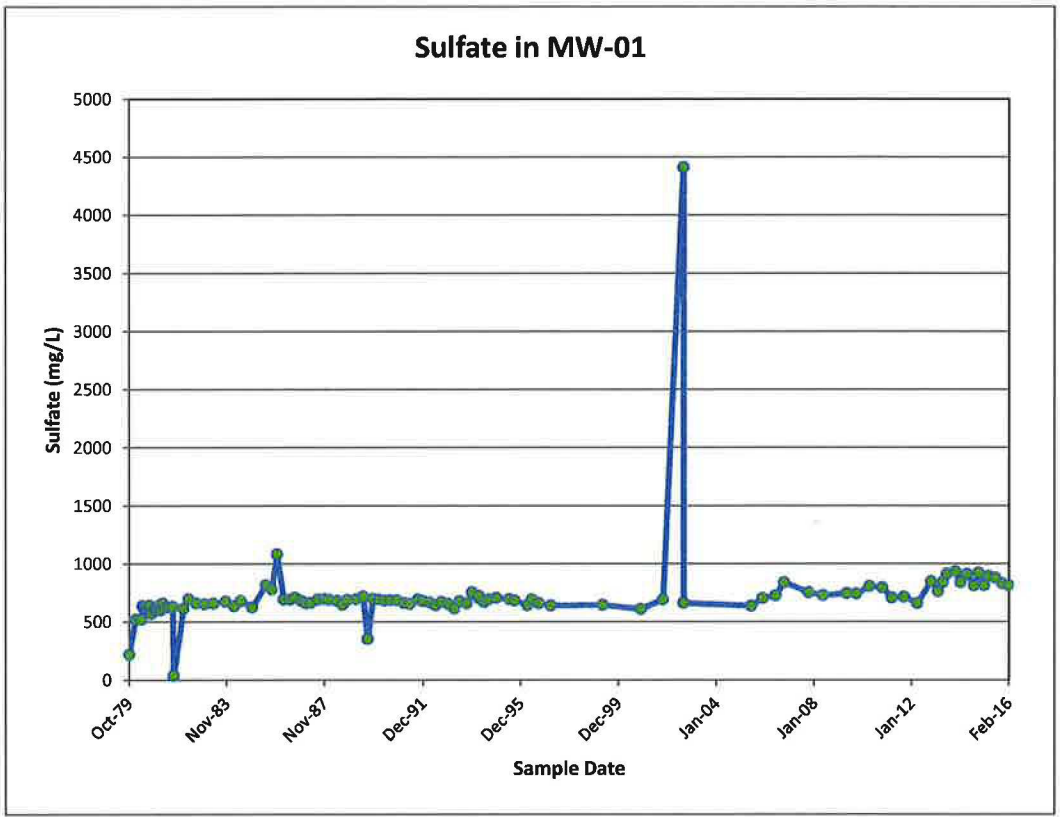


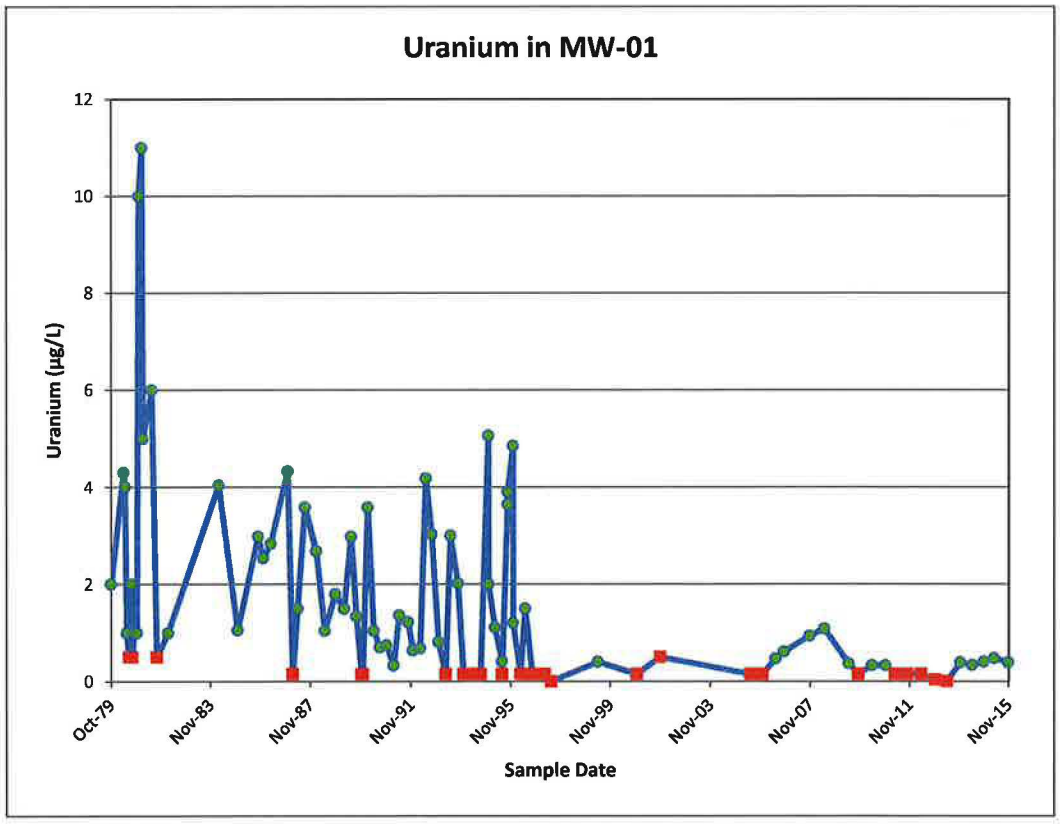


Detected Values

Non-Detected Values

Time concentration plots for MW-01

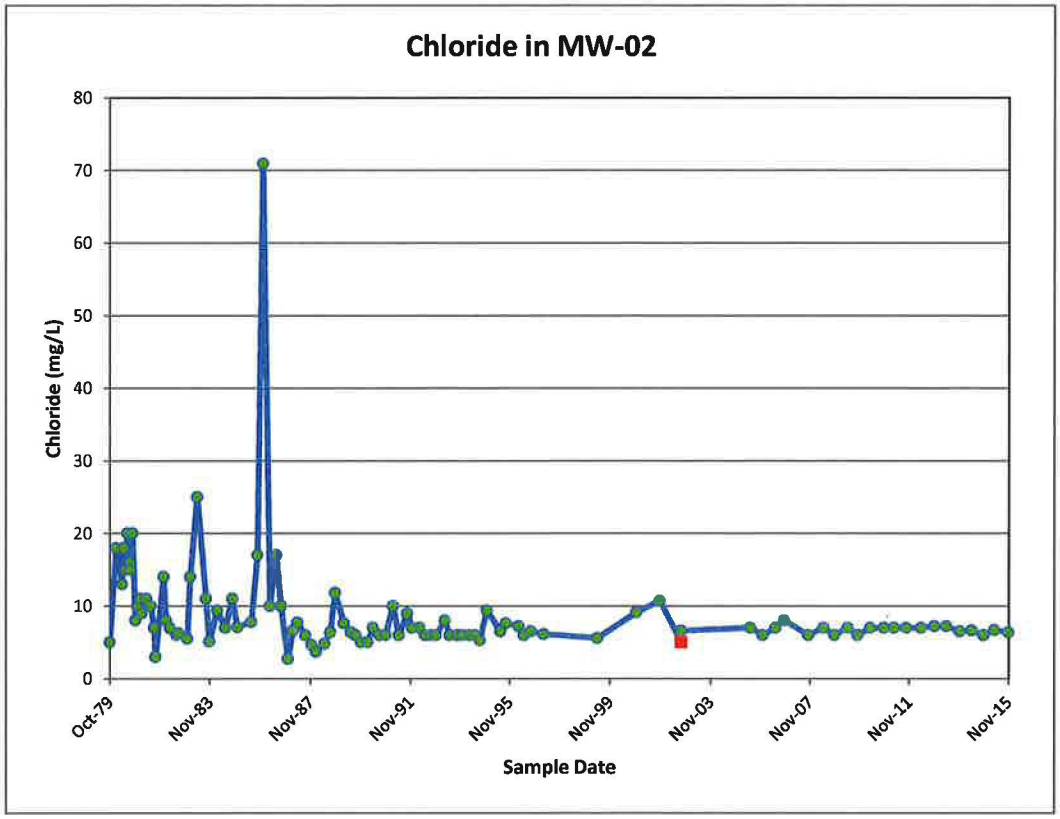


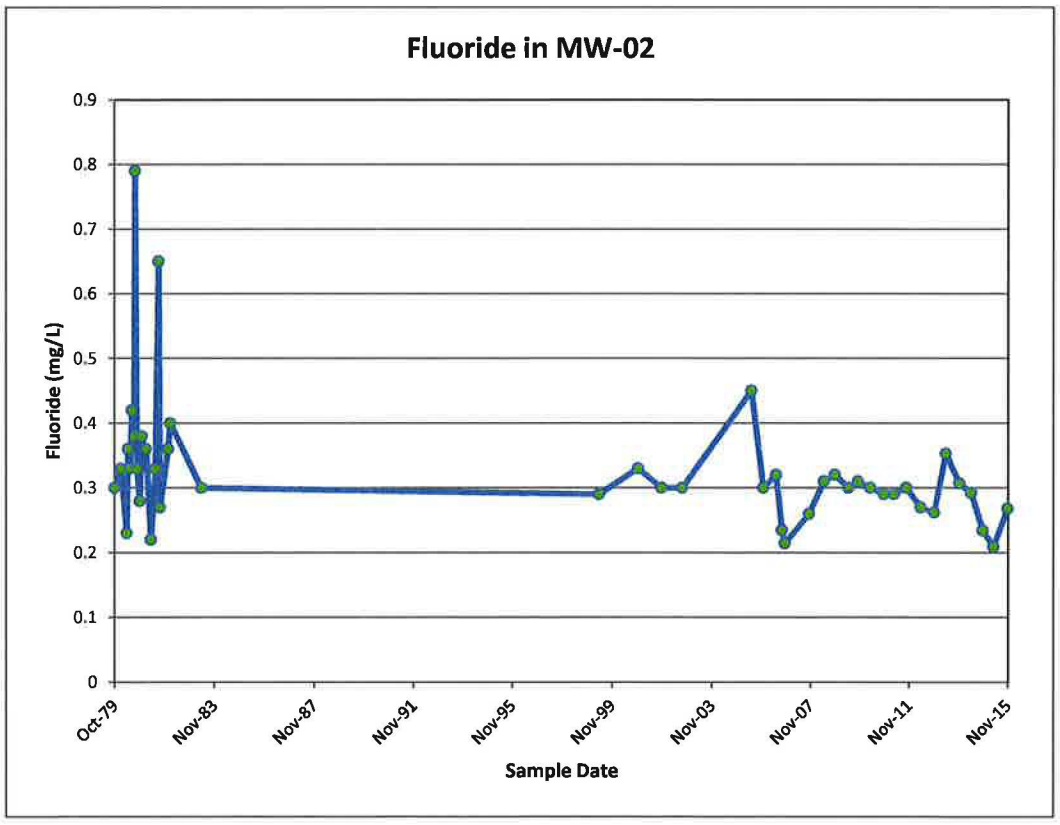


Detected Values

Non-Detected Values

Time concentration plots for MW-02

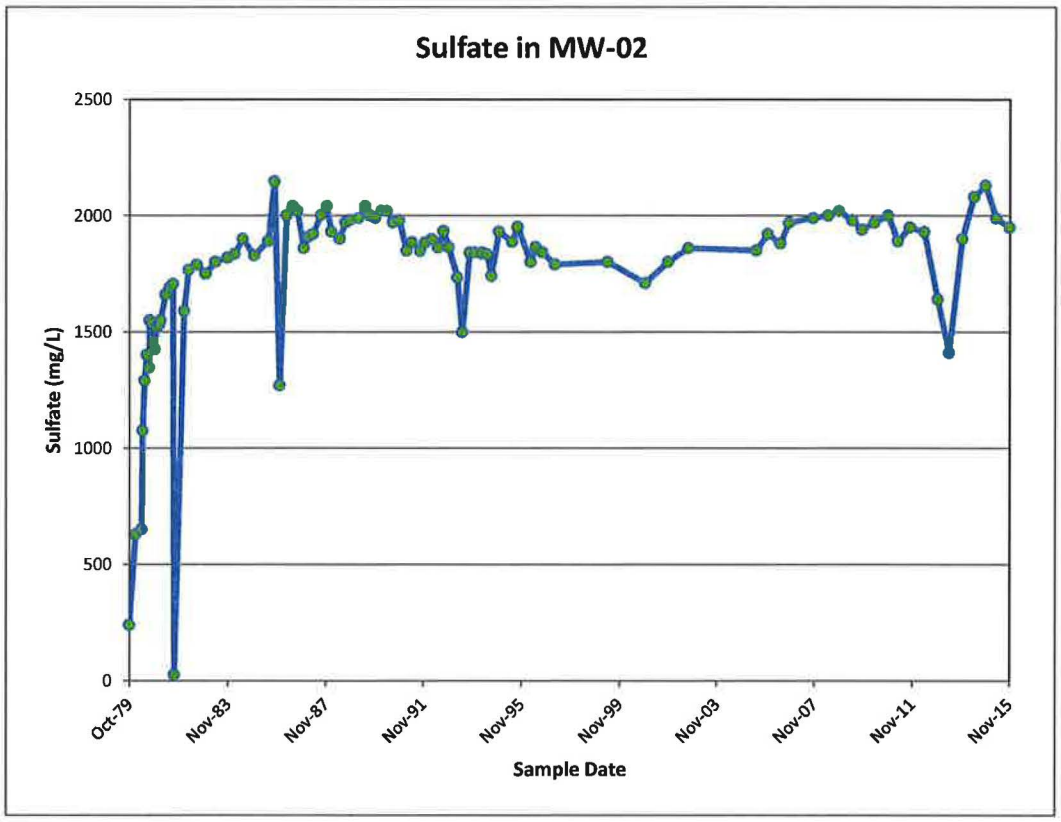


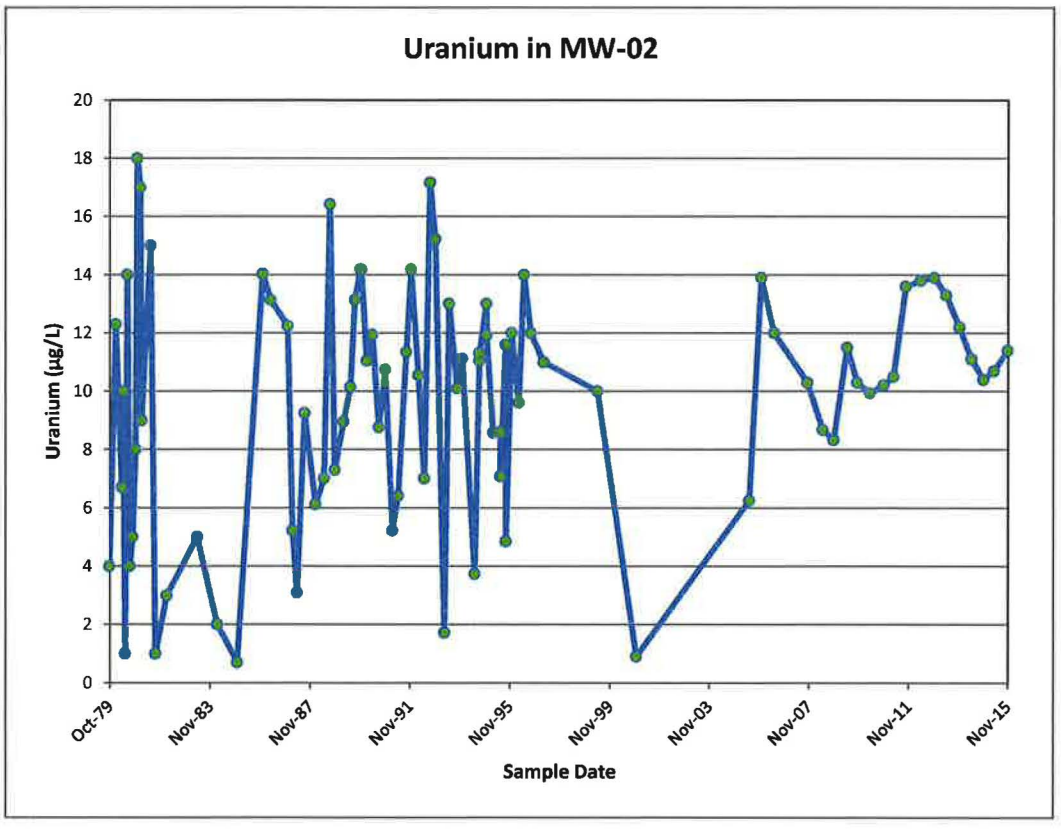


Detected Values

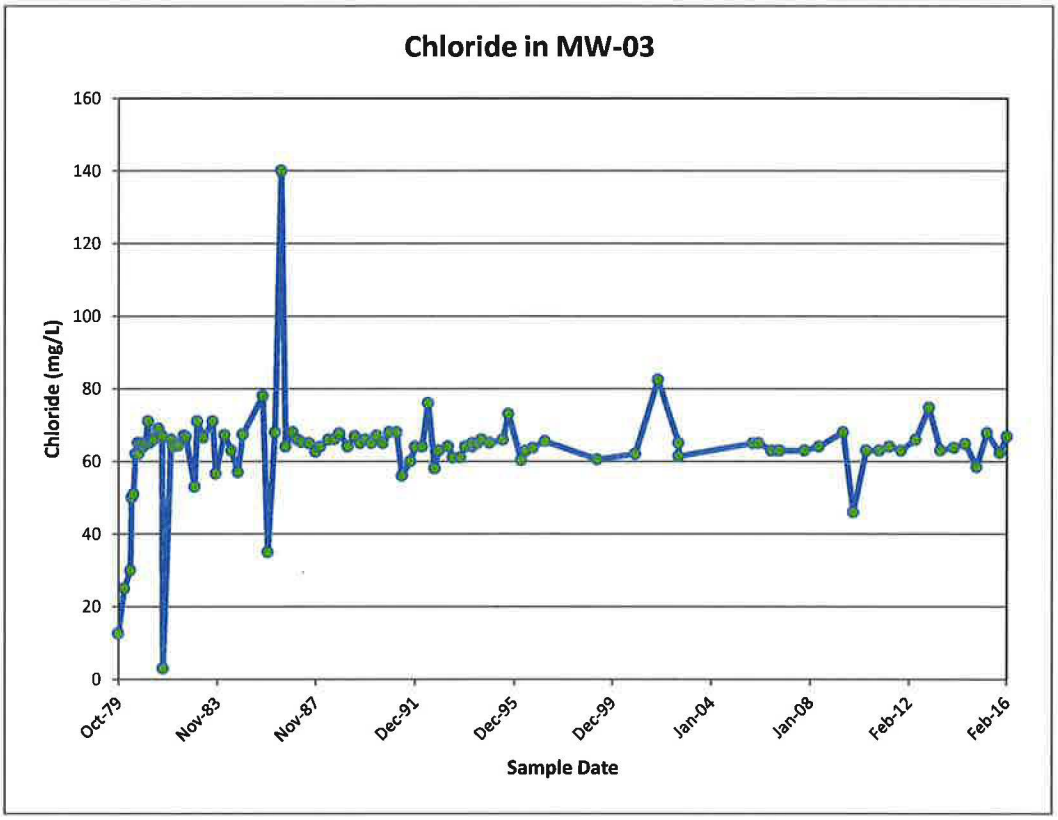
Non-Detected Values

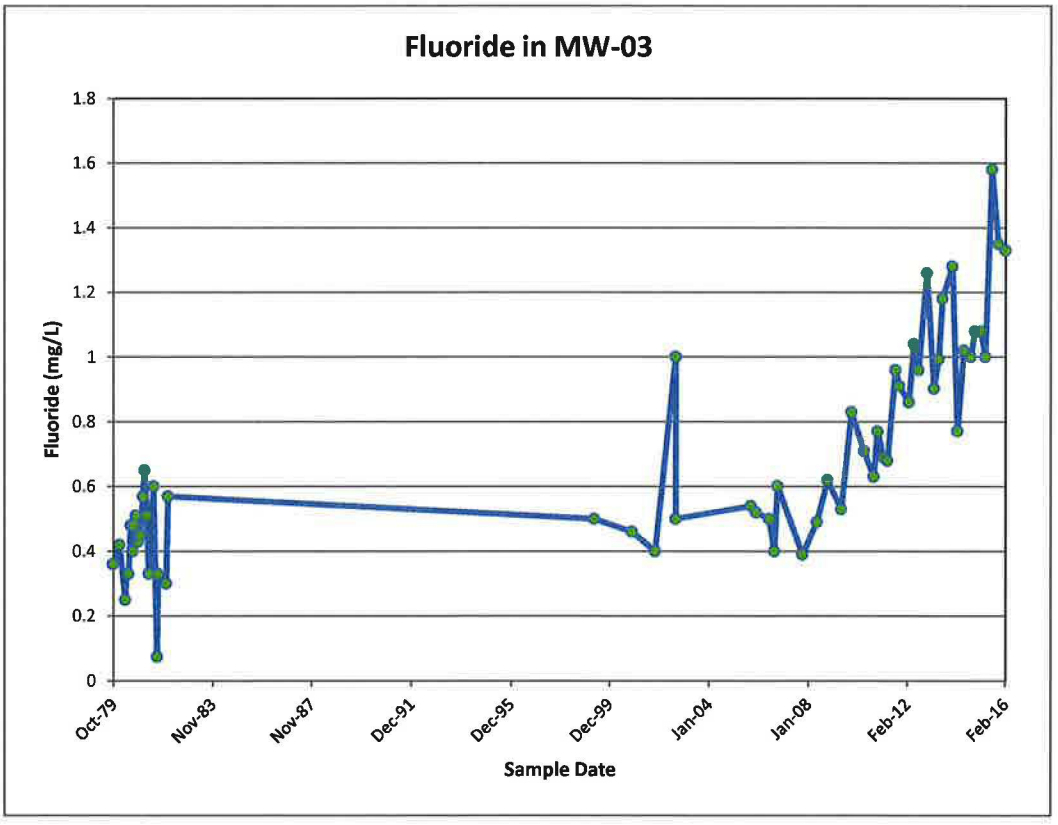
Time concentration plots for MW-02





Time concentration plots for MW-03

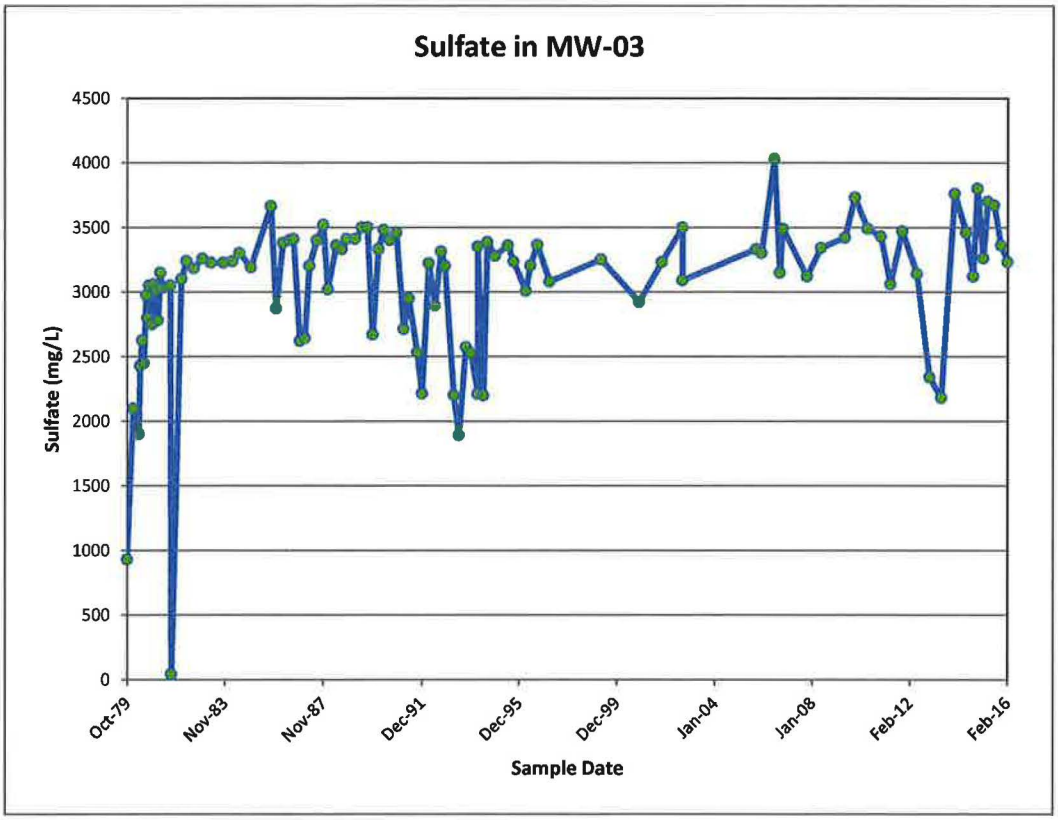


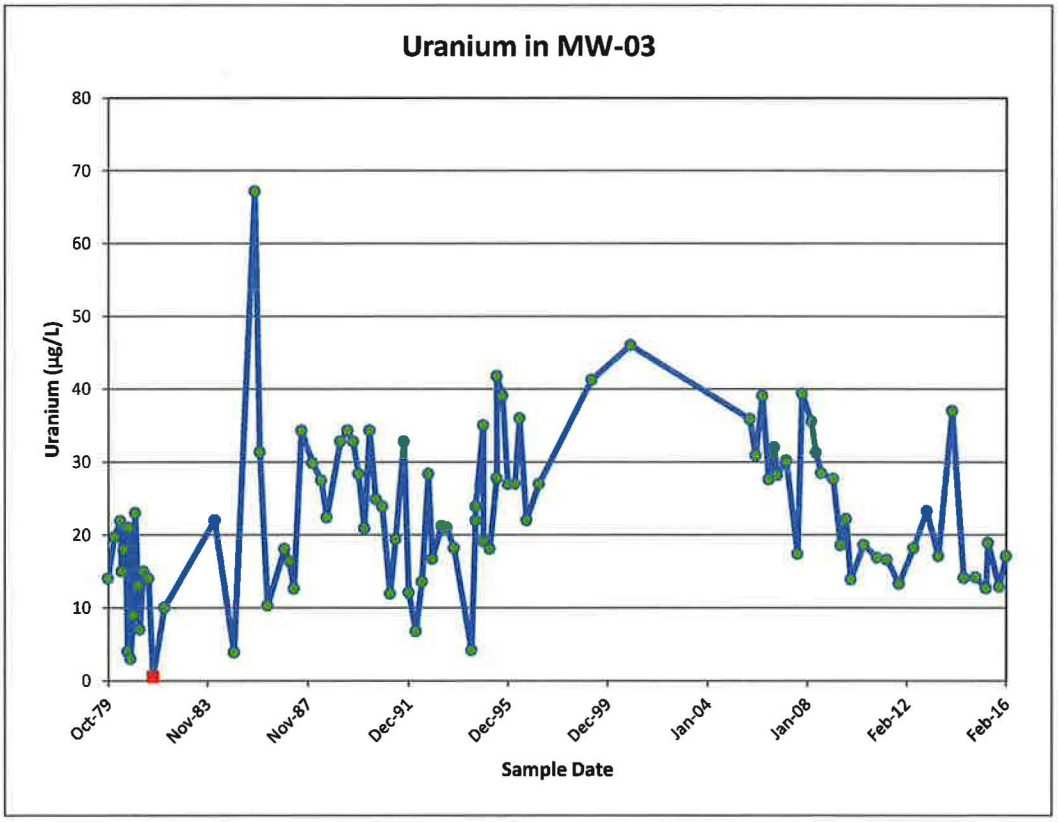


Detected Values

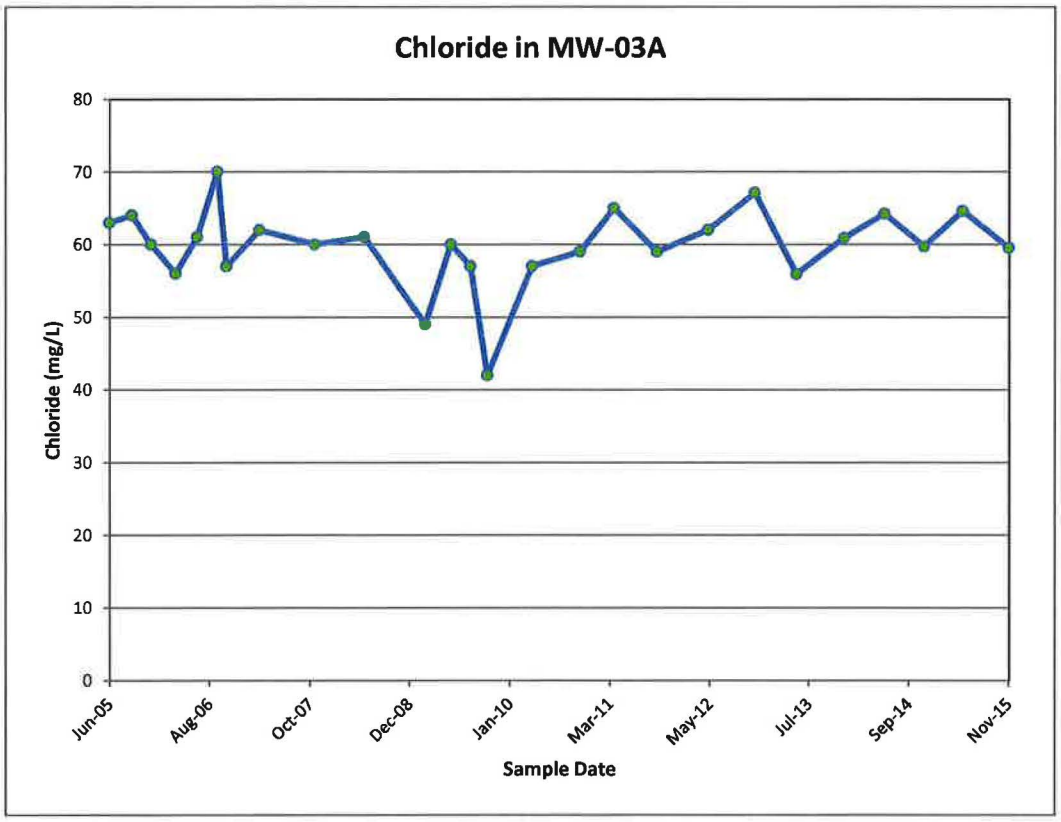
Non-Detected Values

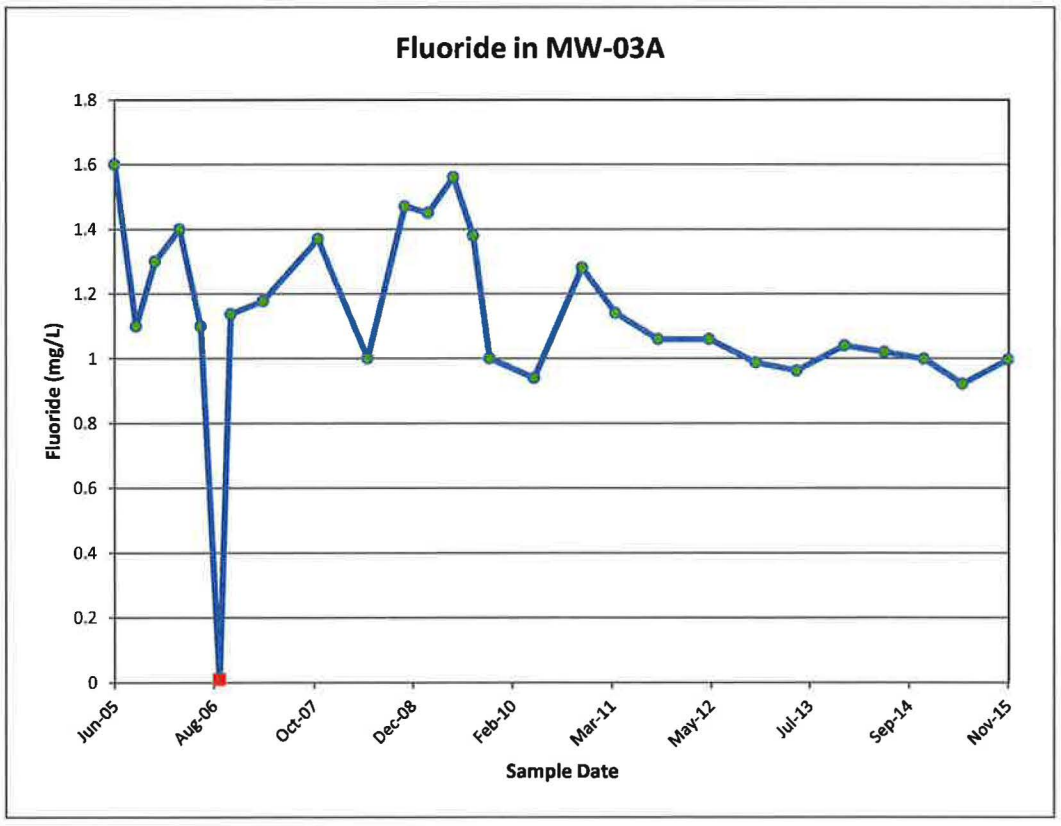
Time concentration plots for MW-03



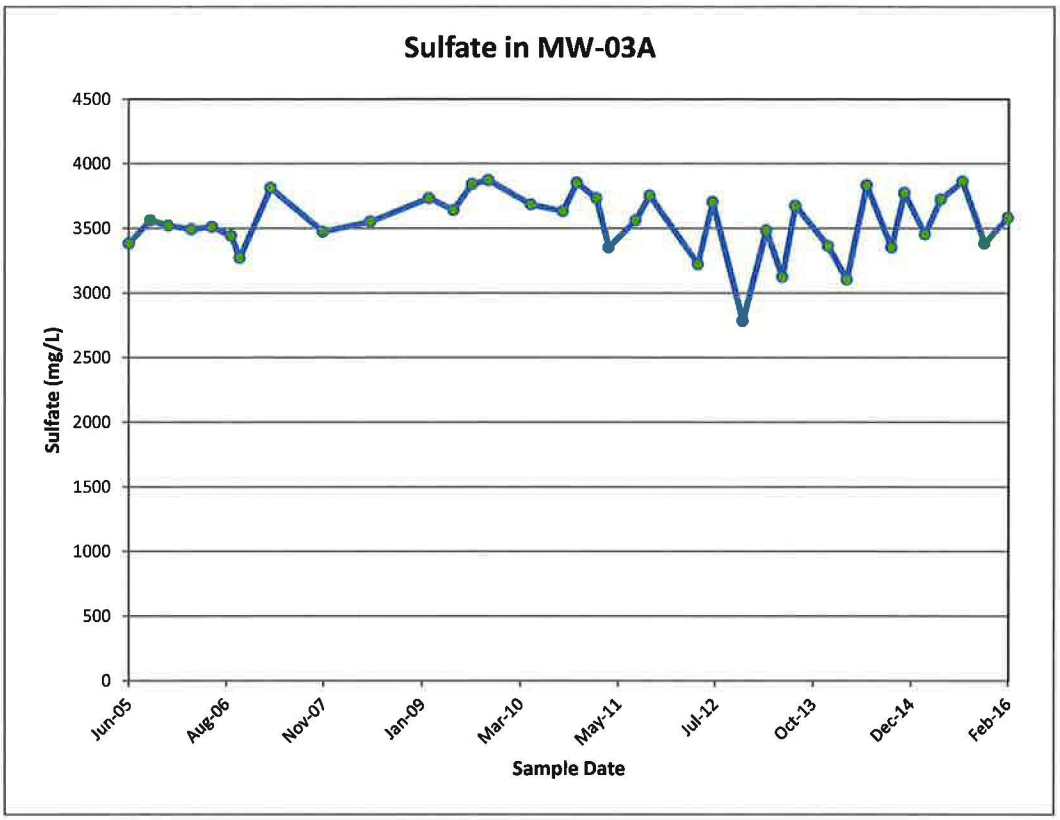


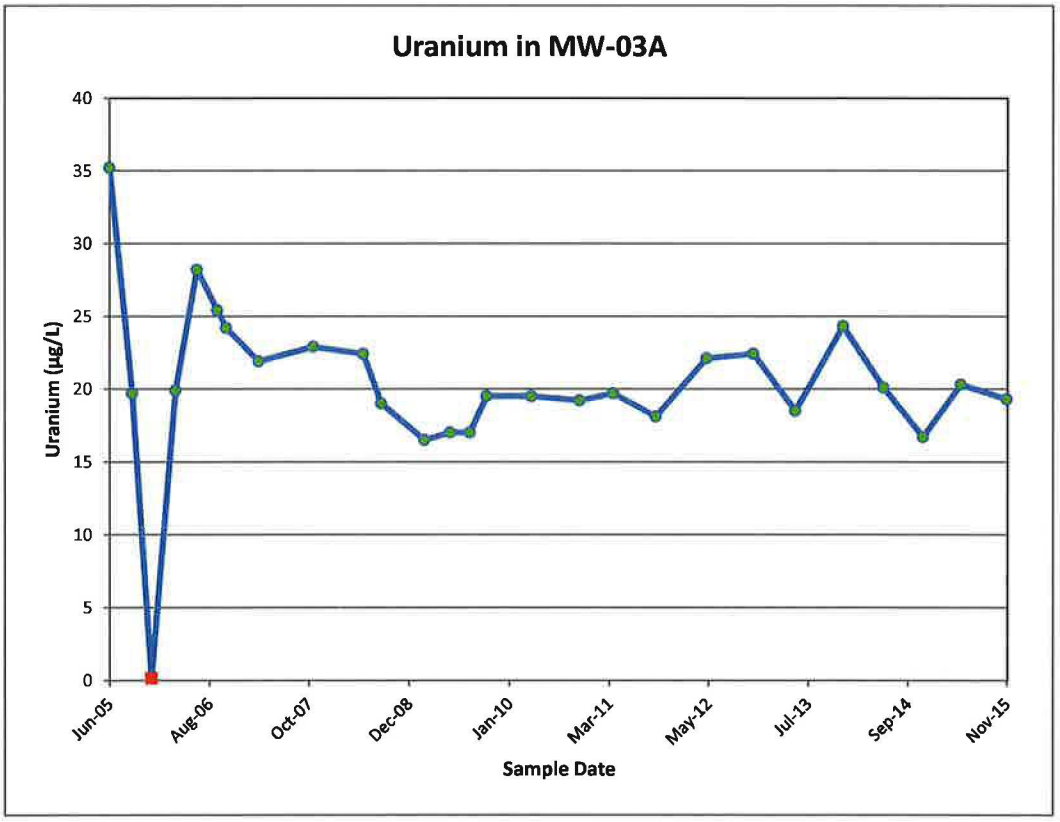
Time concentration plots for MW-03A



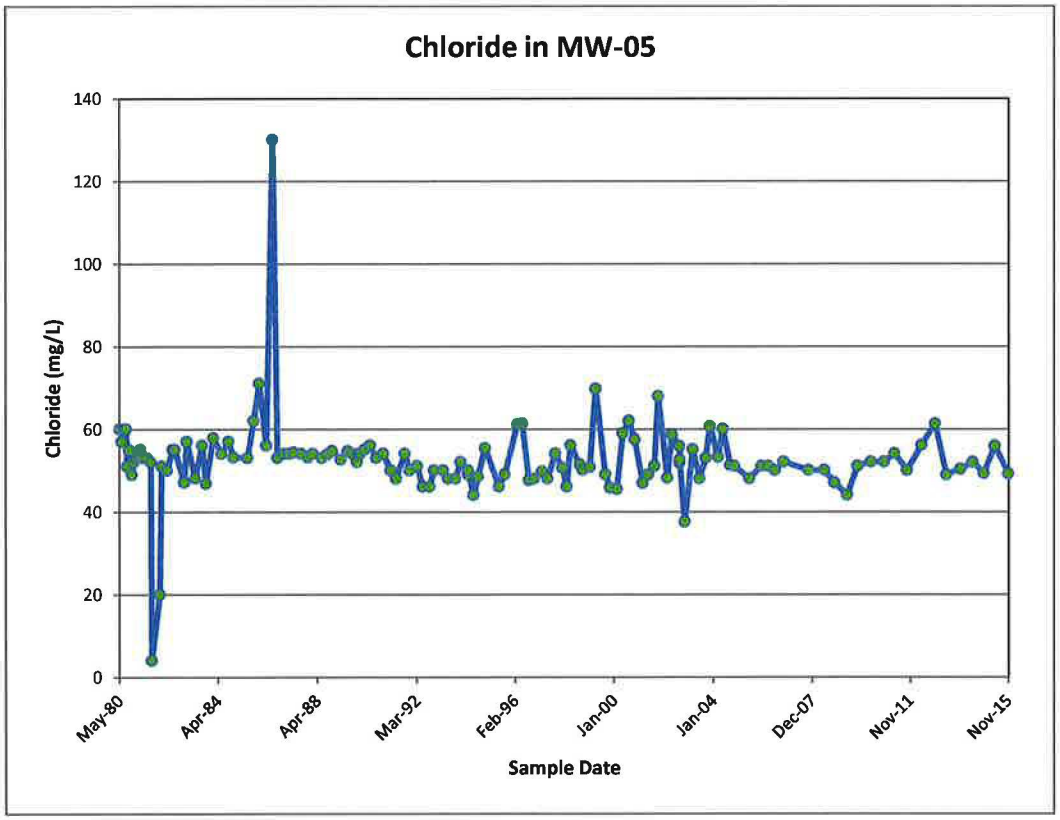


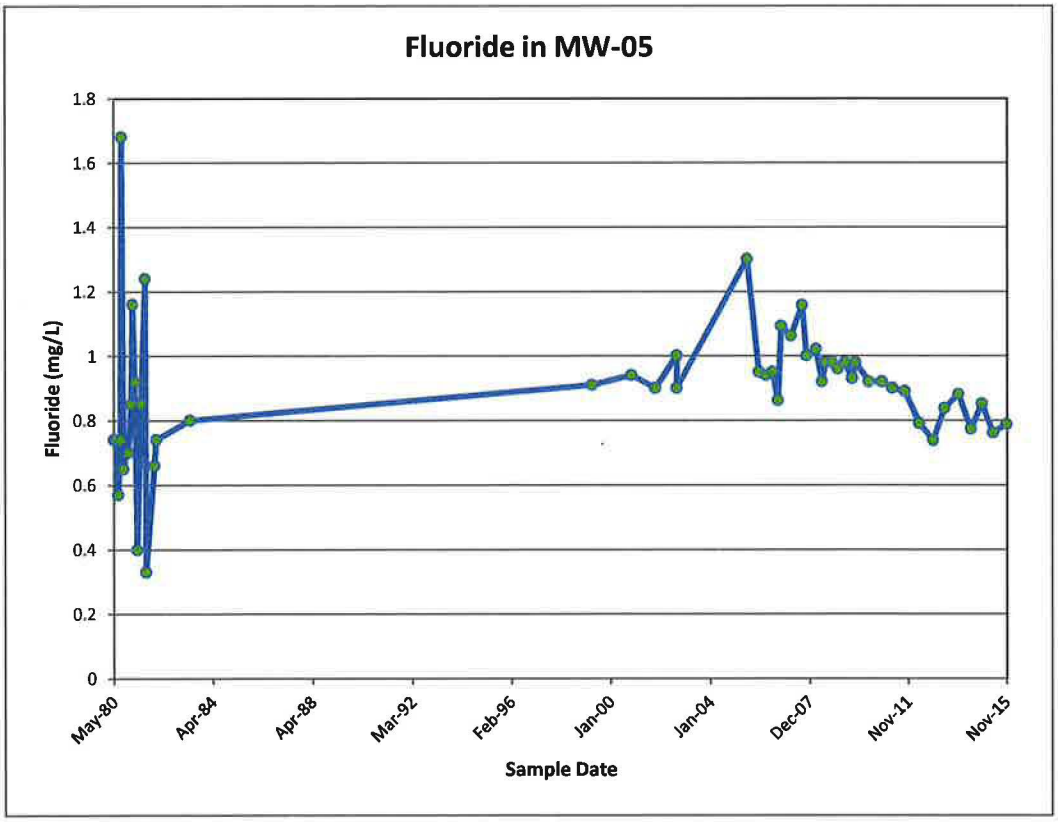
Time concentration plots for MW-03A





Time concentration plots for MW-05

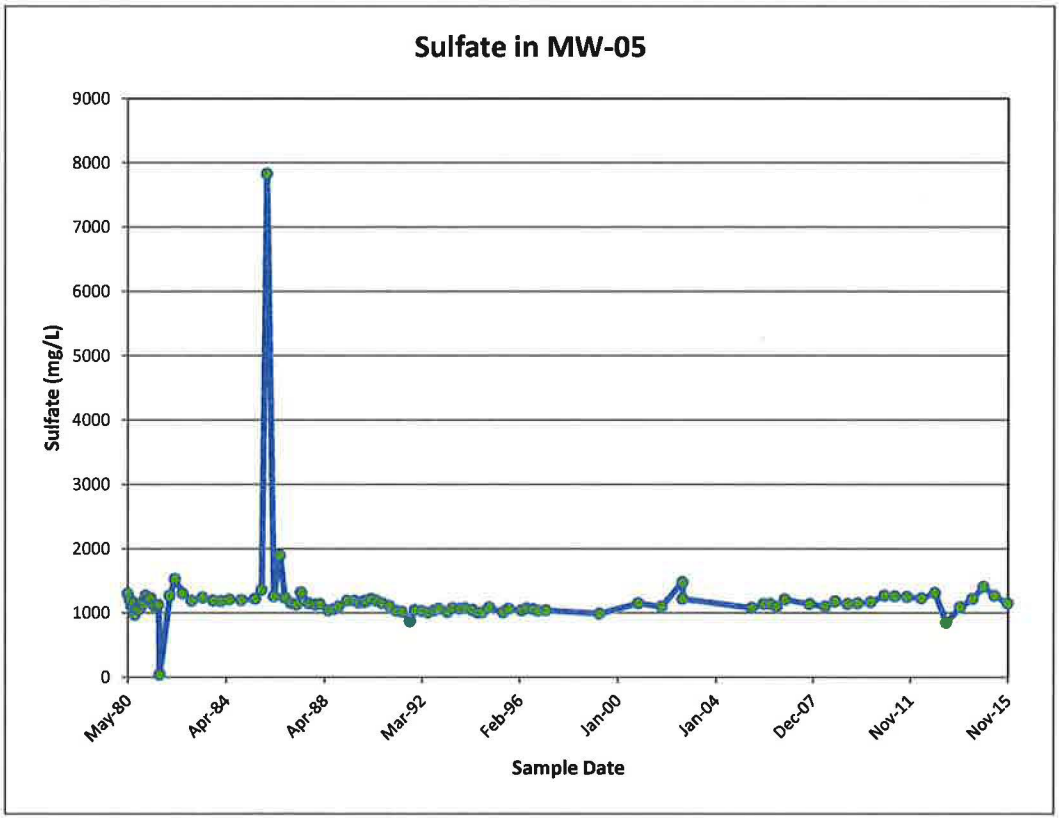


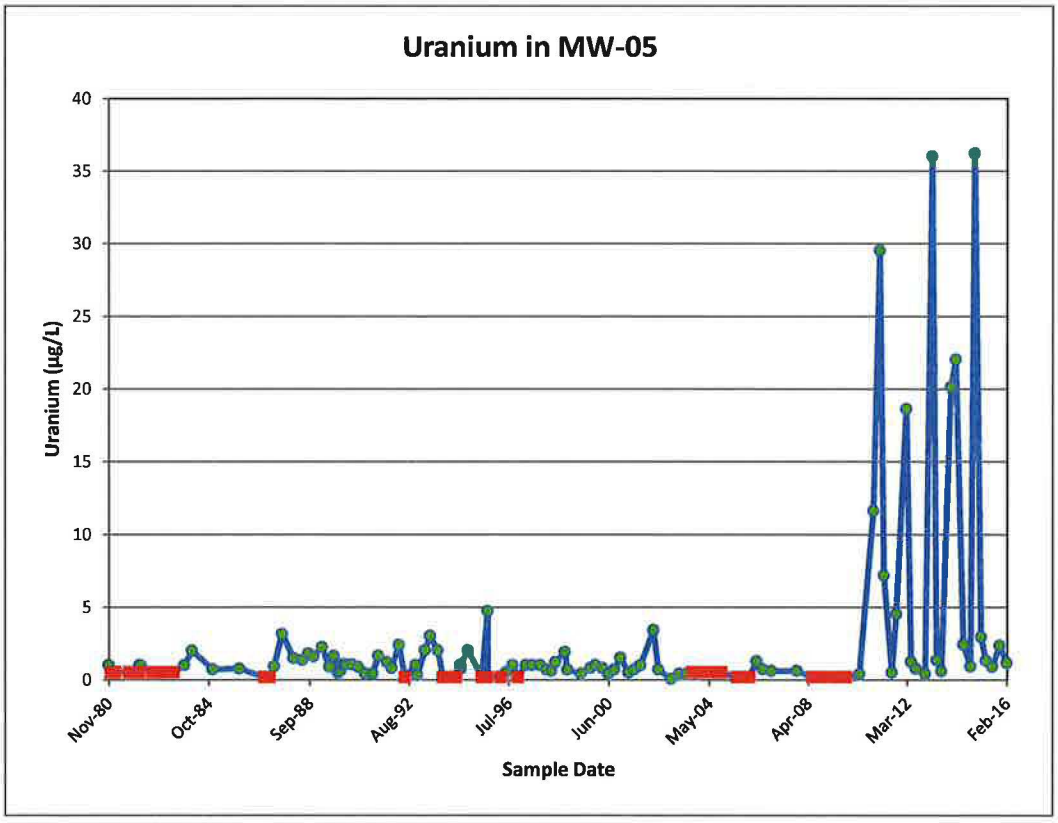


Detected Values

Non-Detected Values

Time concentration plots for MW-05

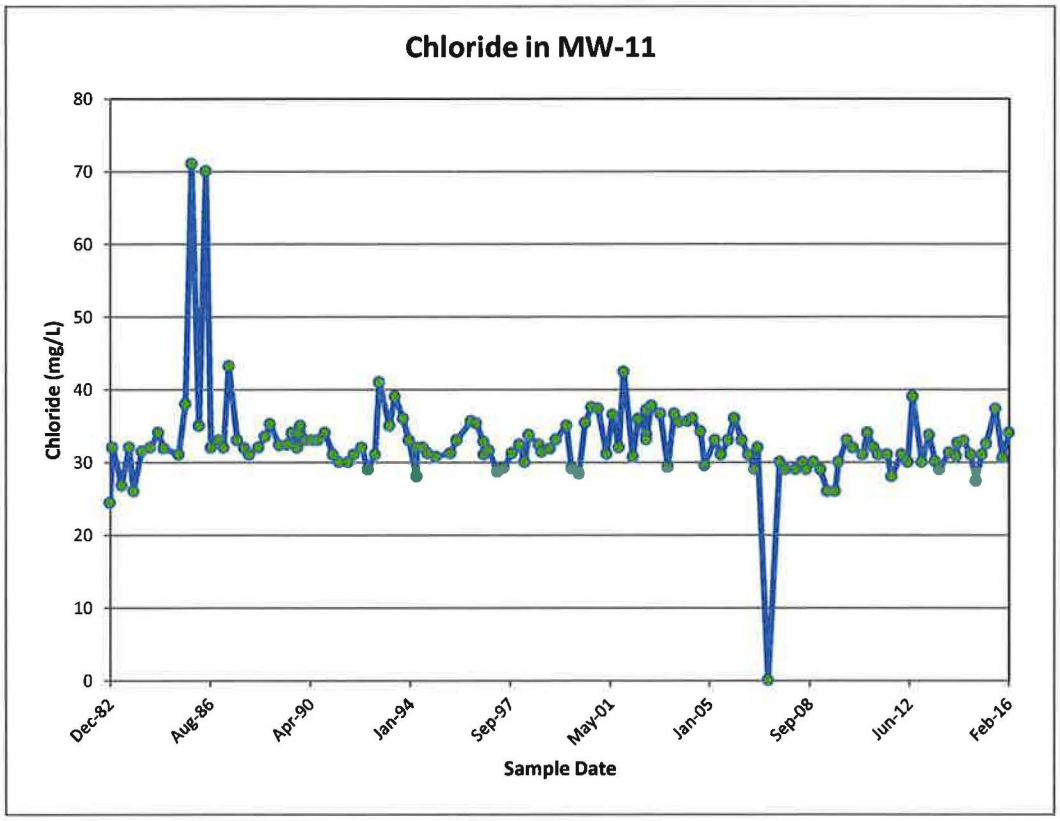


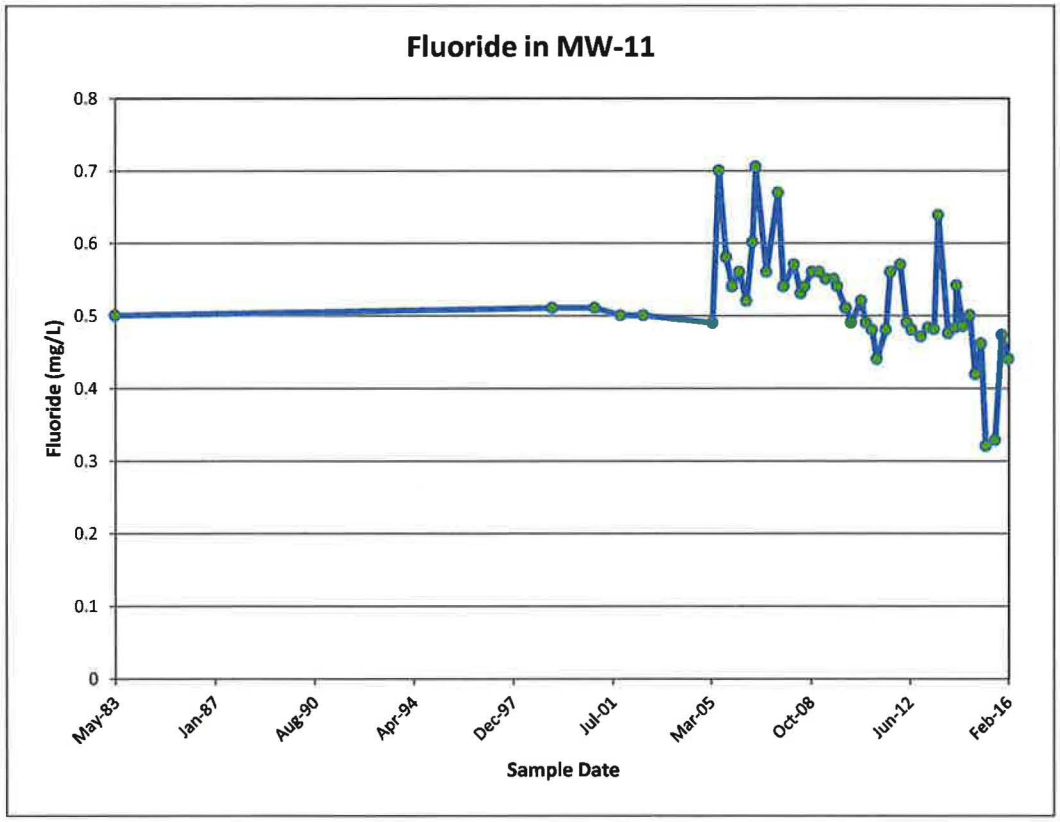


Detected Values

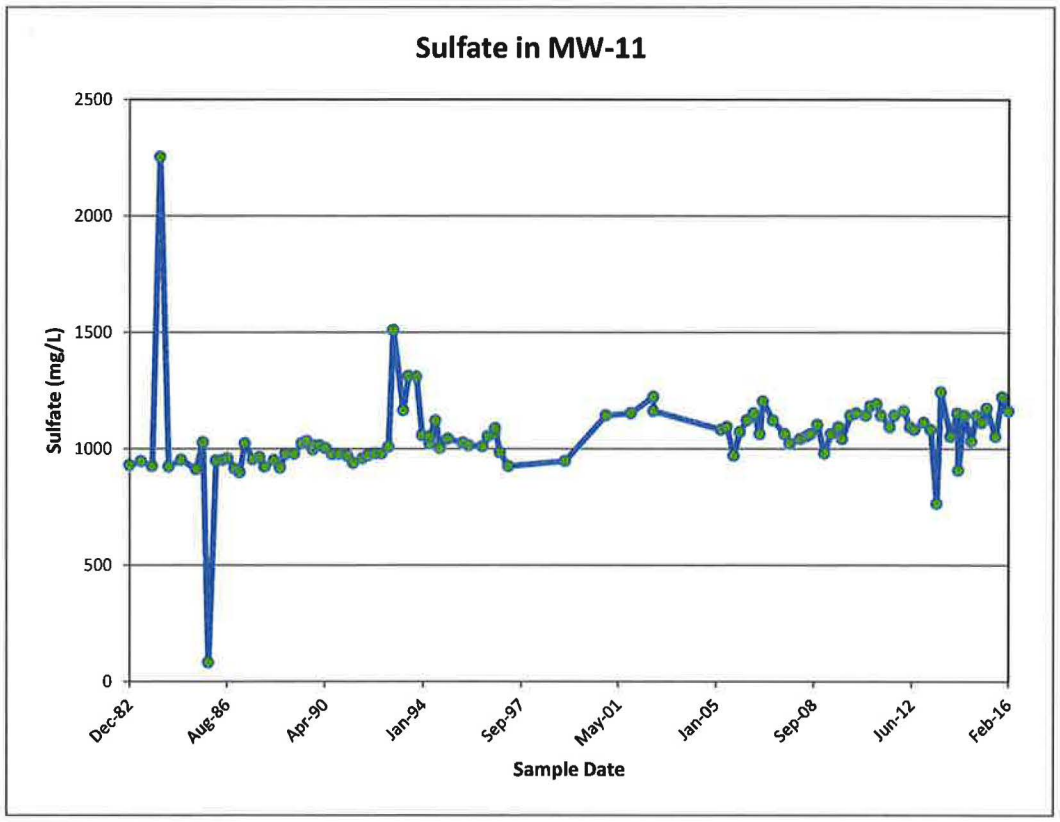
Non-Detected Values

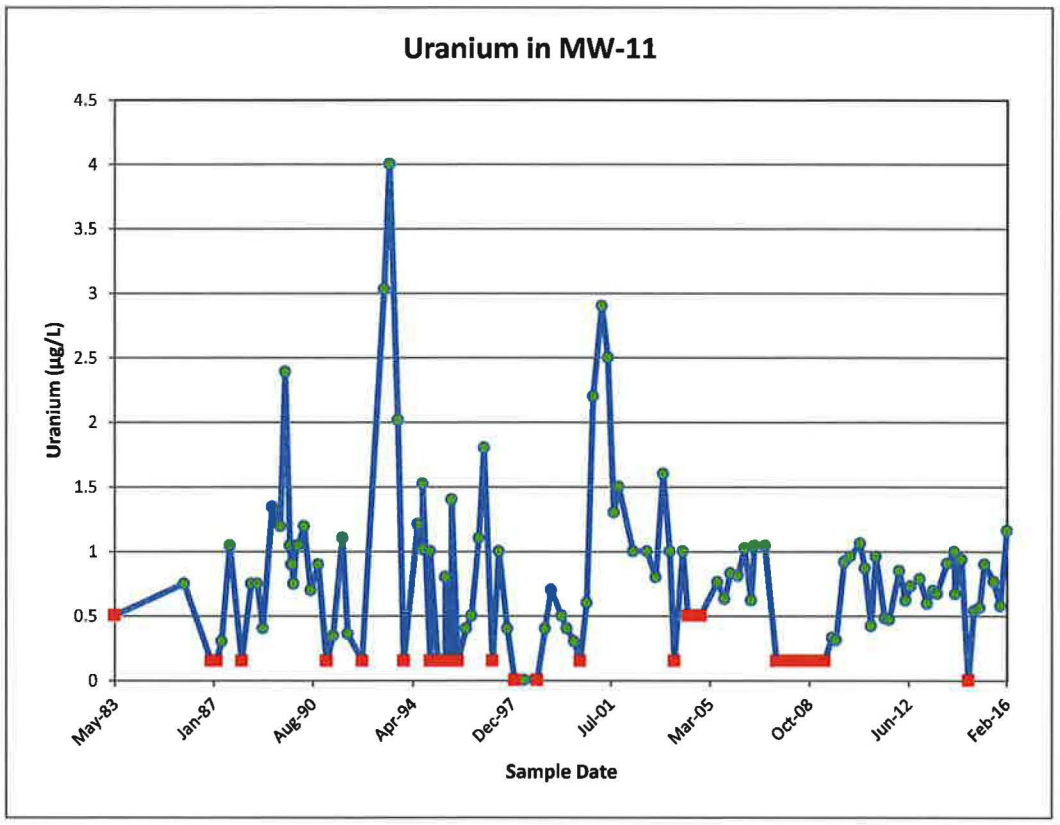
Time concentration plots for MW-11





Time concentration plots for MW-11

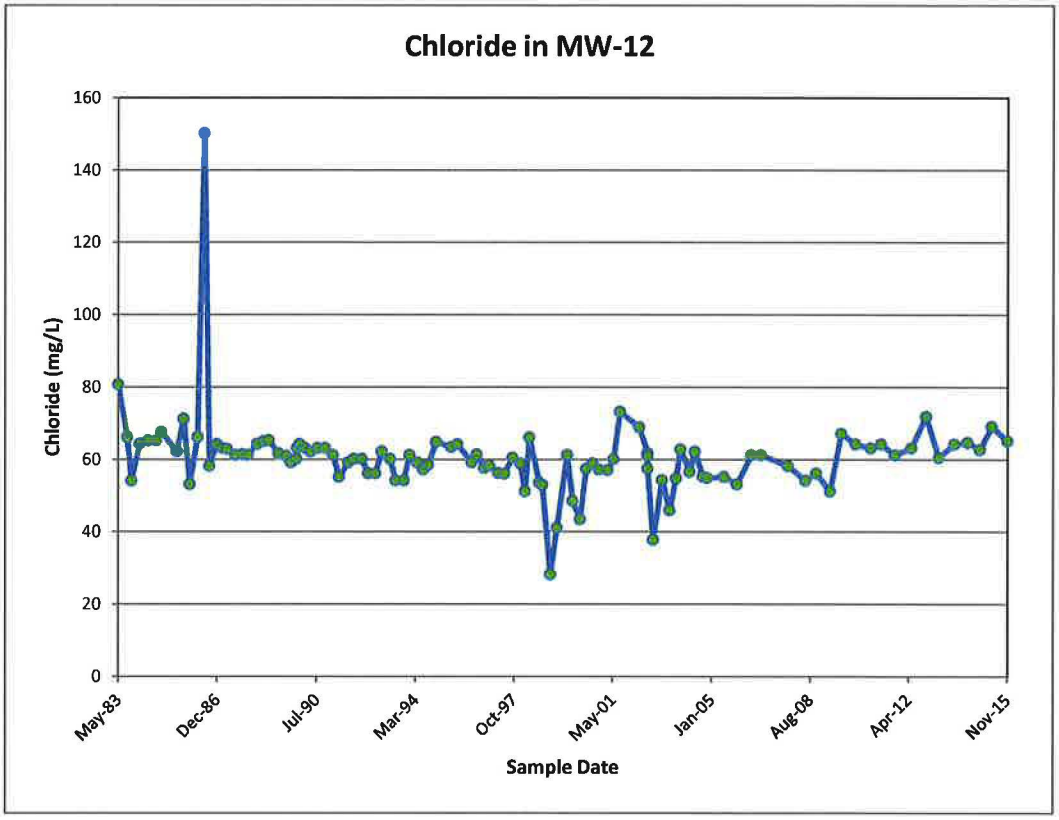


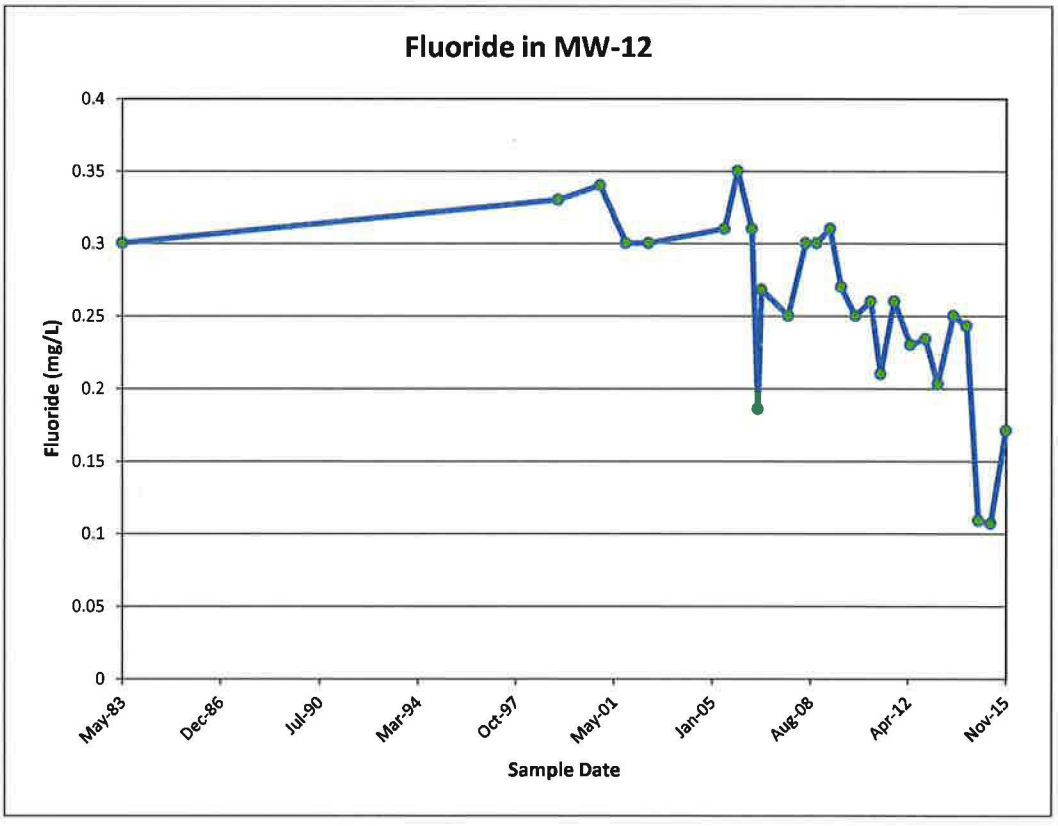


Detected Values

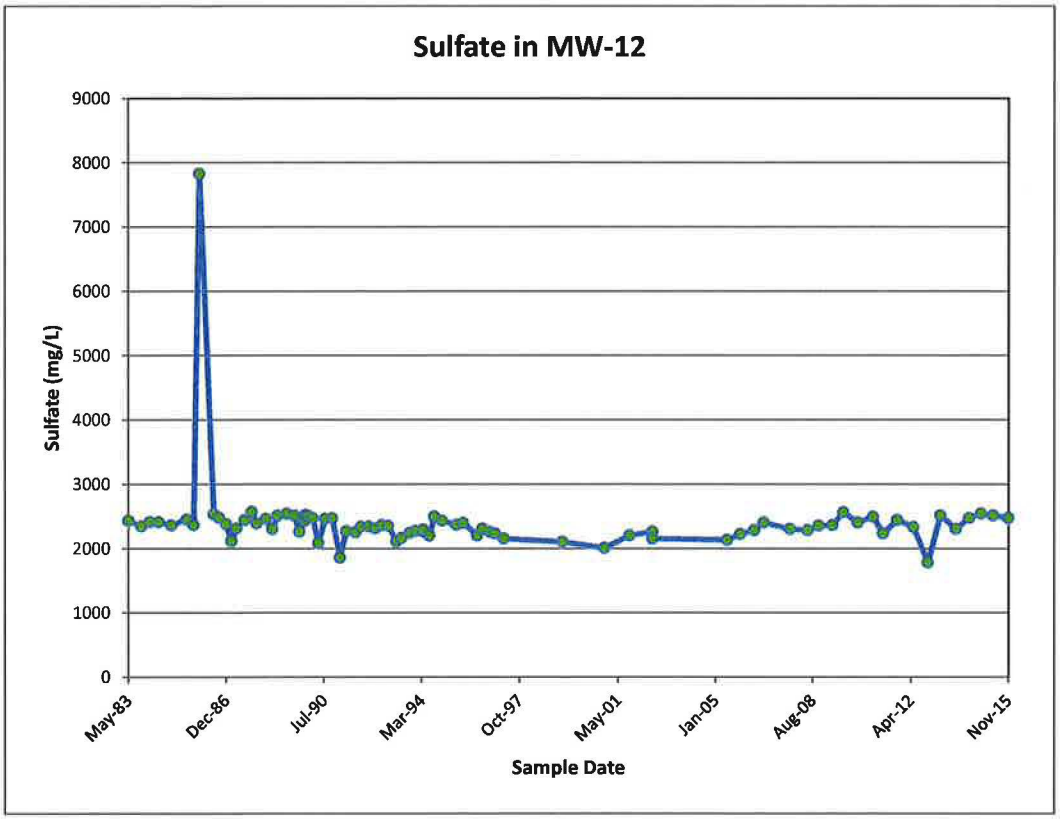
Non-Detected Values

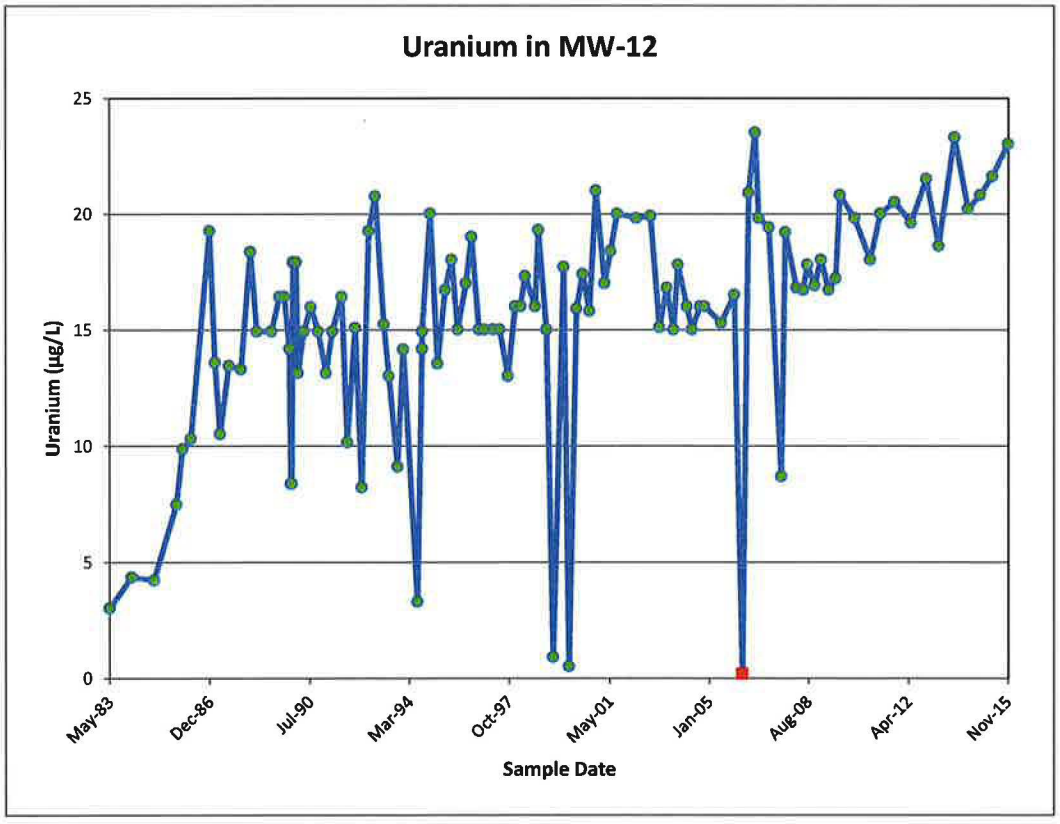
Time concentration plots for MW-12





Time concentration plots for MW-12

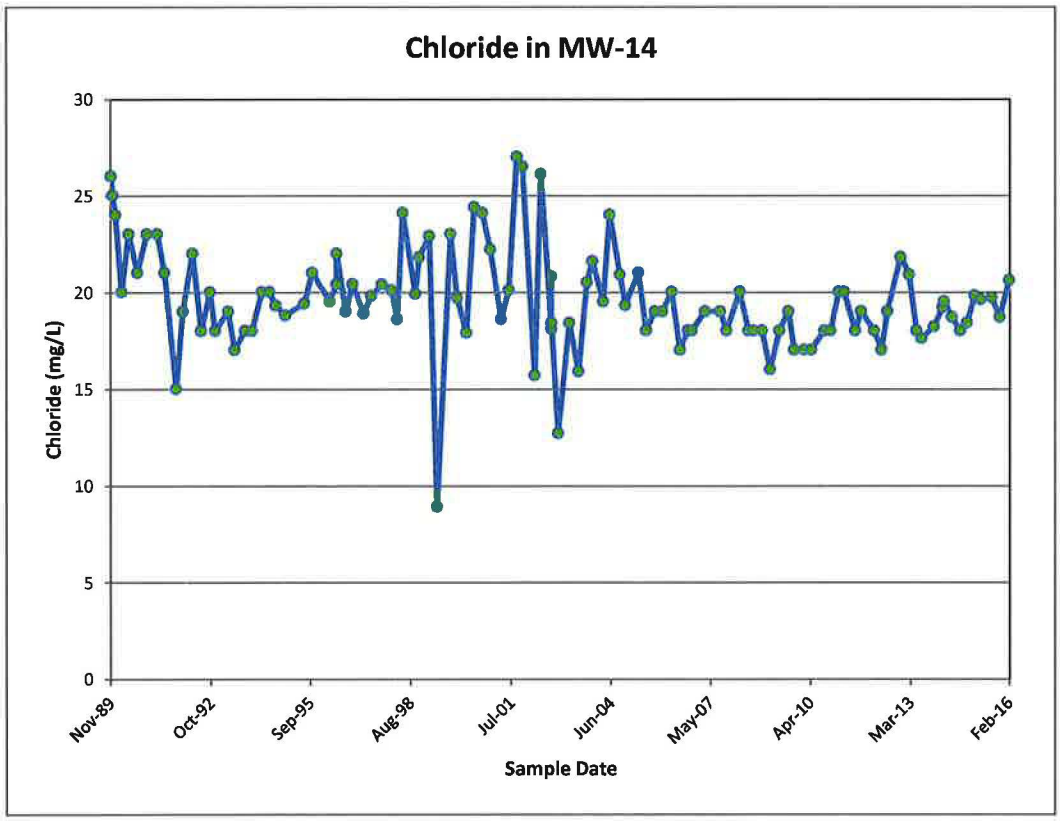


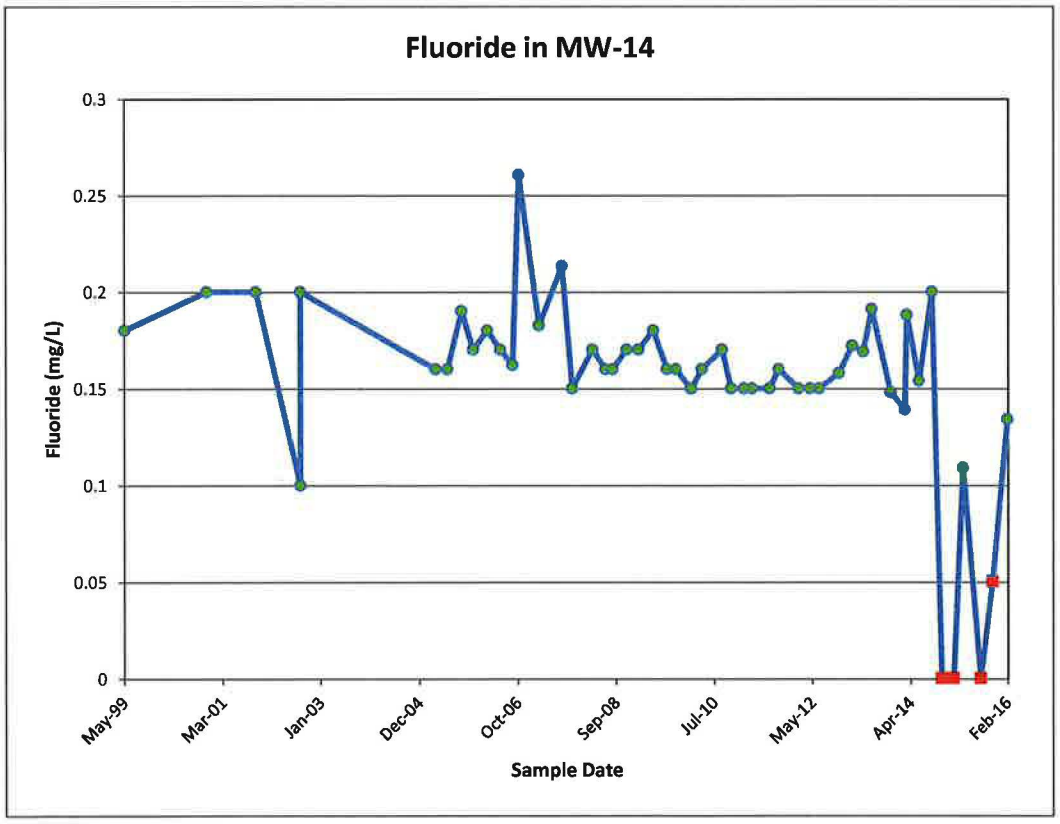


Detected Values

Non-Detected Values

Time concentration plots for MW-14

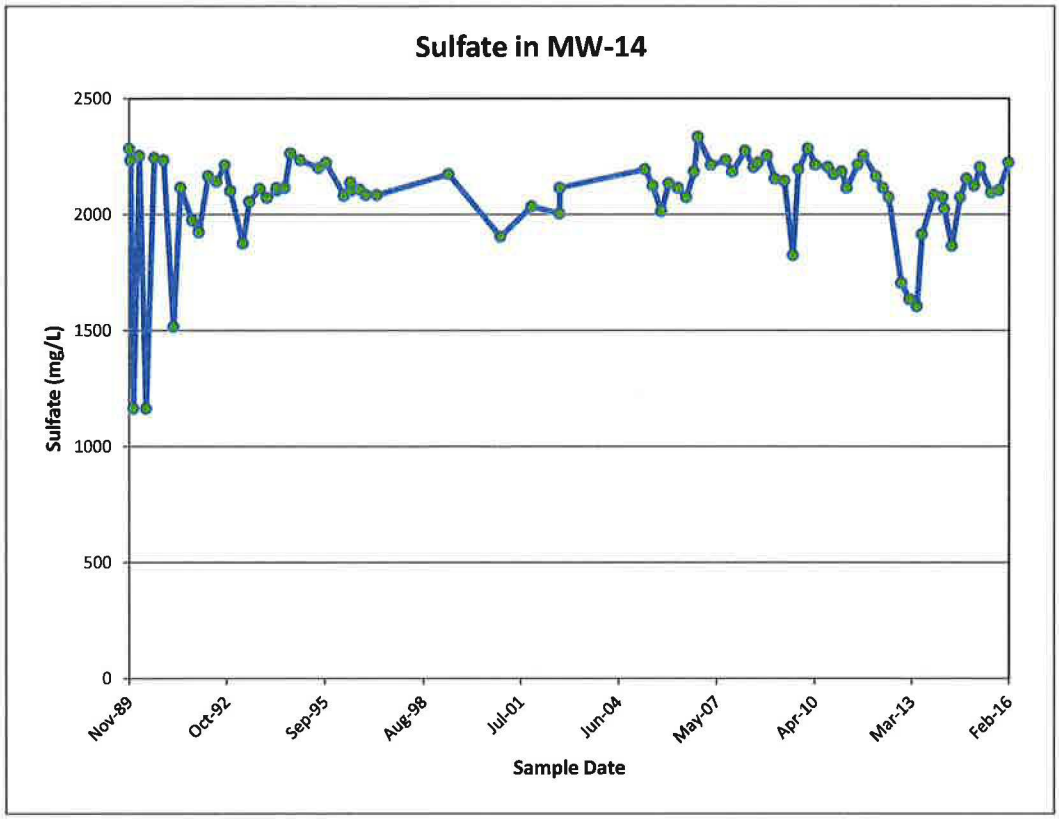


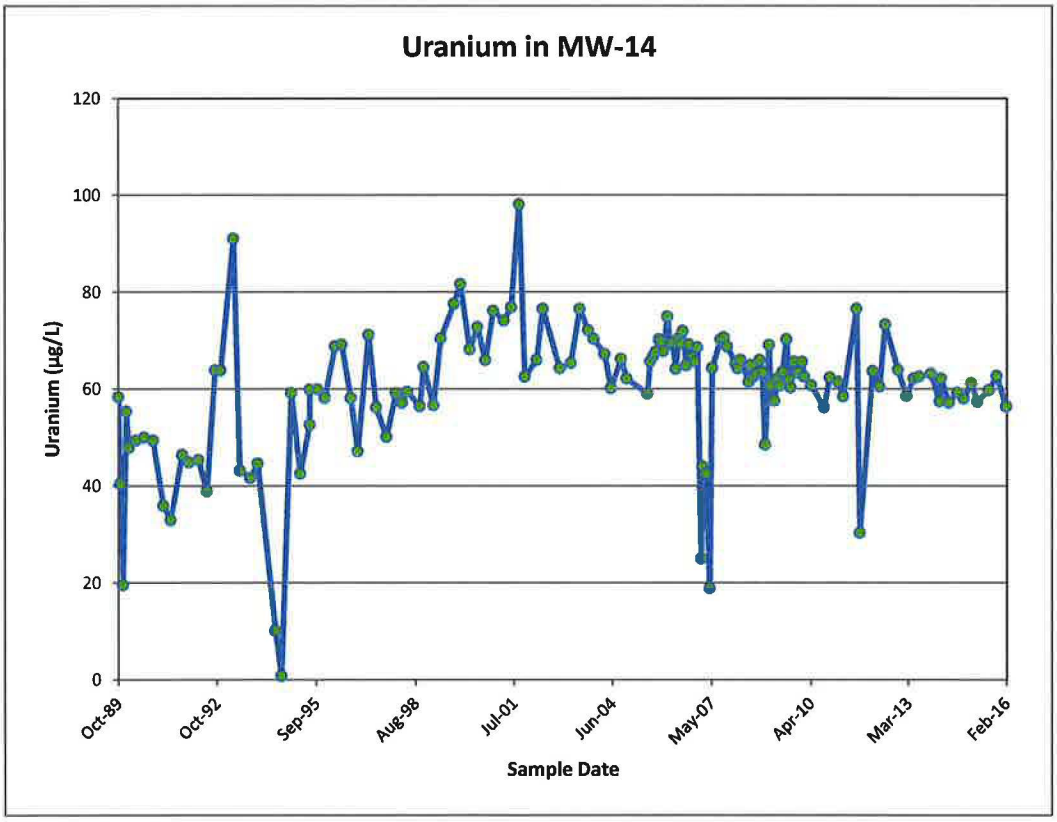


Detected Values

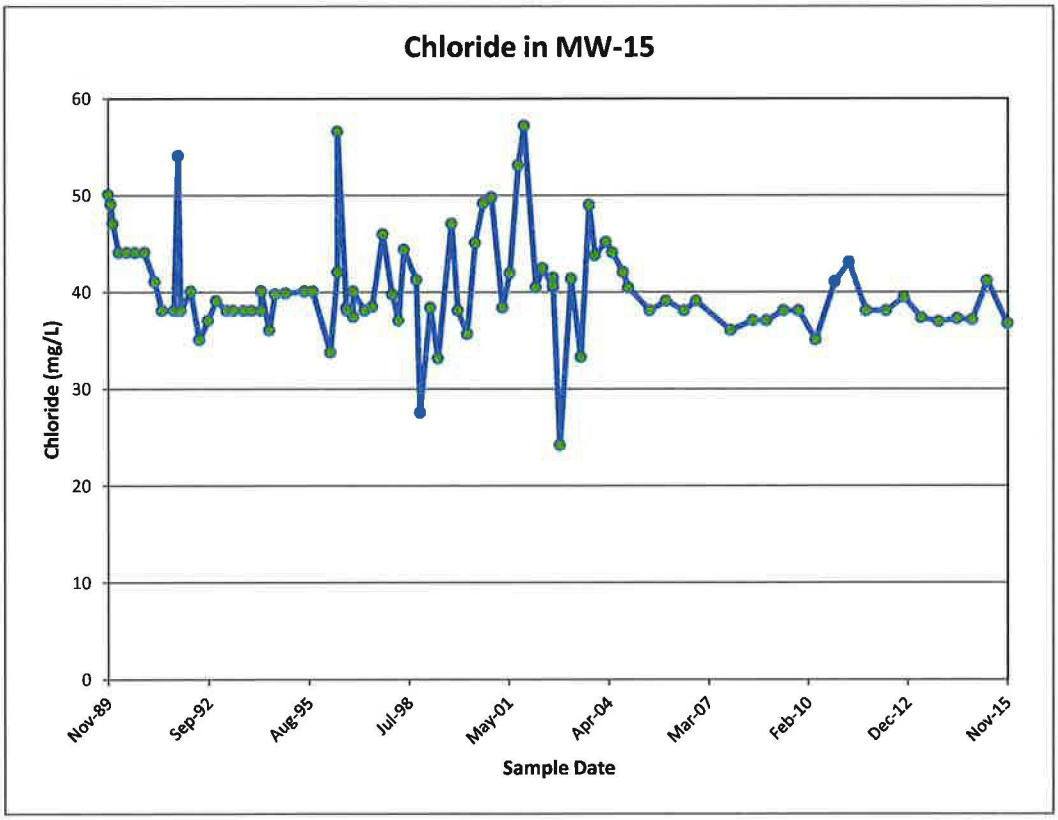
Non-Detected Values

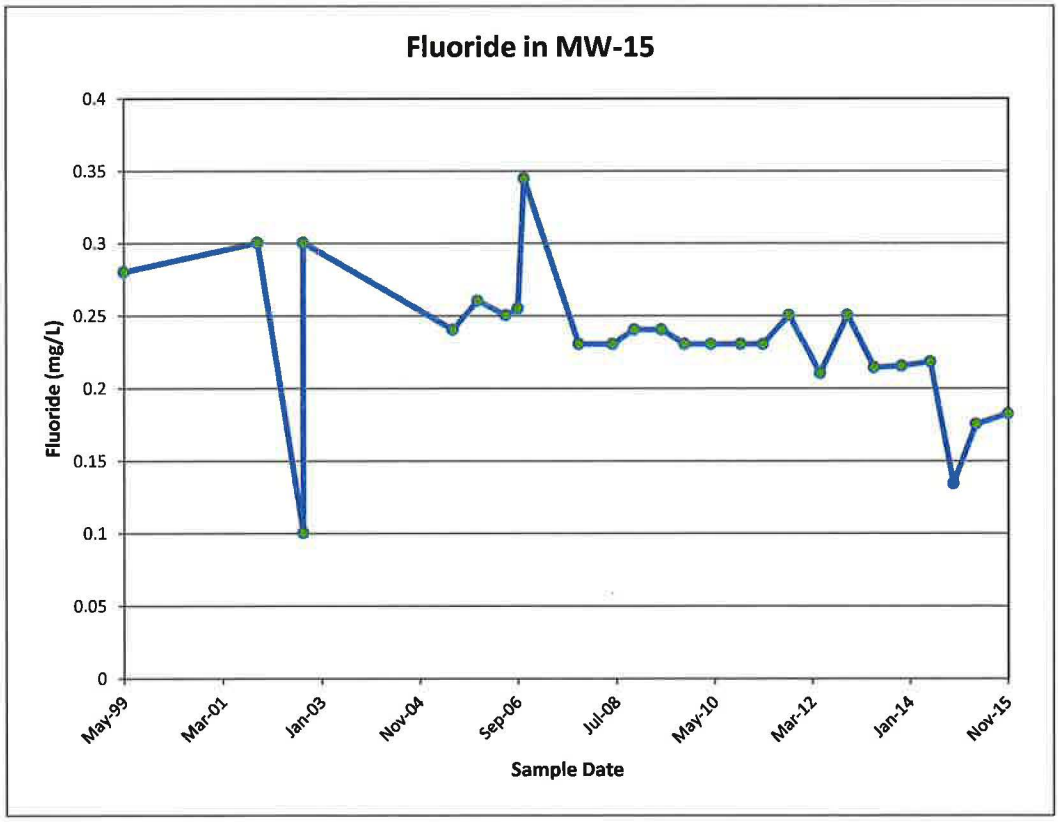
Time concentration plots for MW-14





Time concentration plots for MW-15

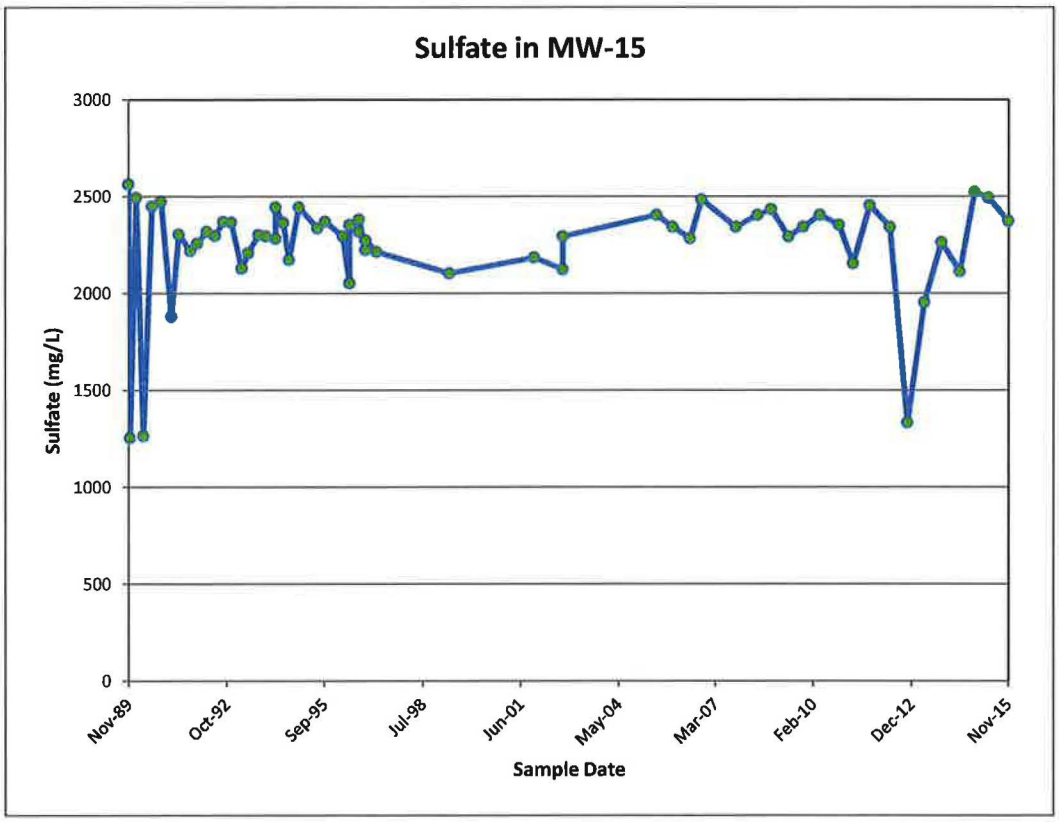


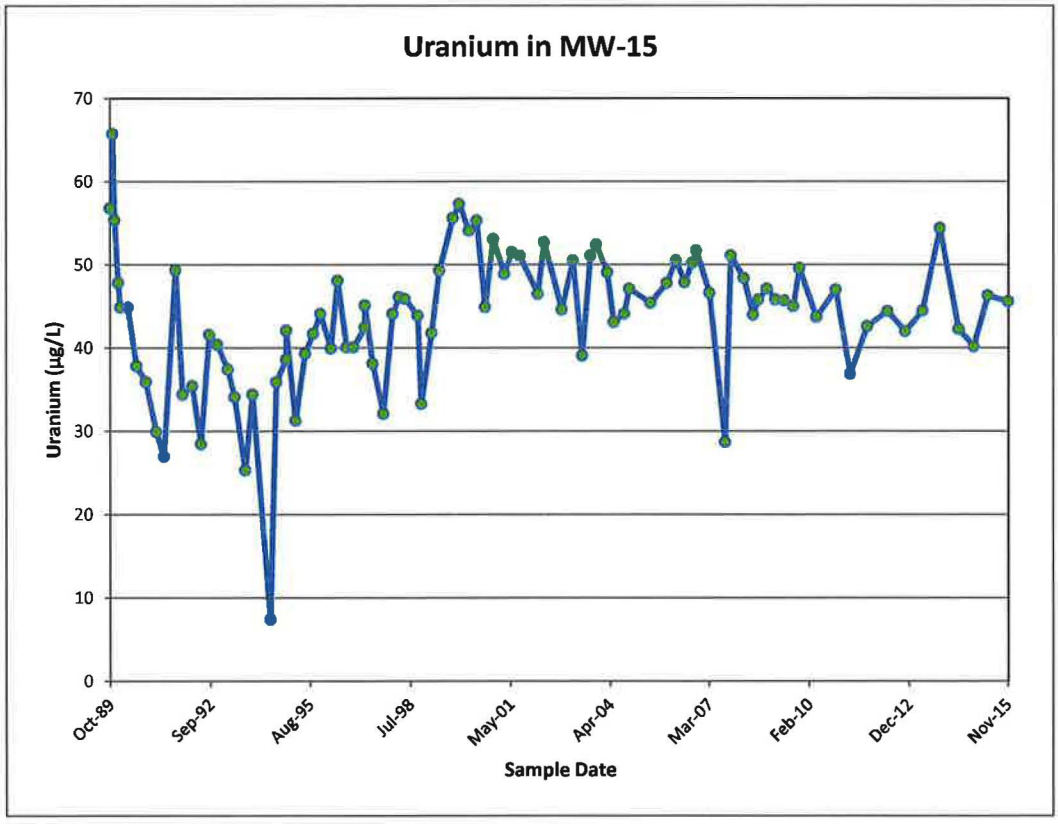


Detected Values

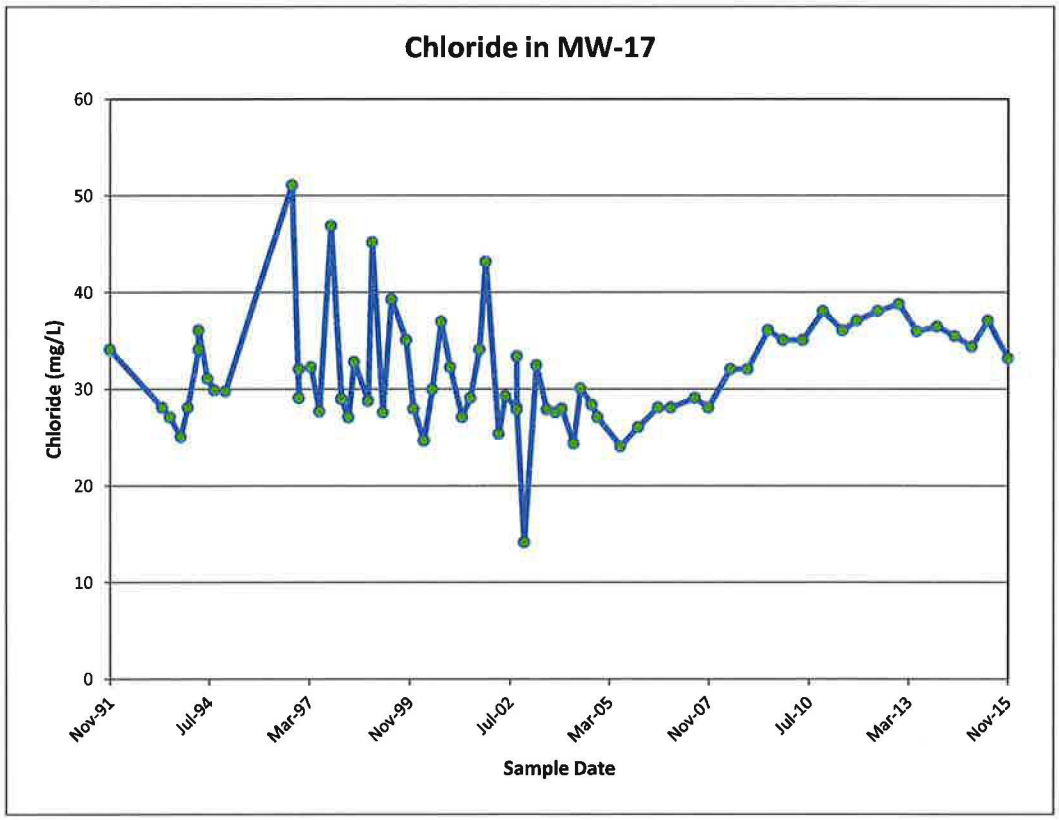
Non-Detected Values

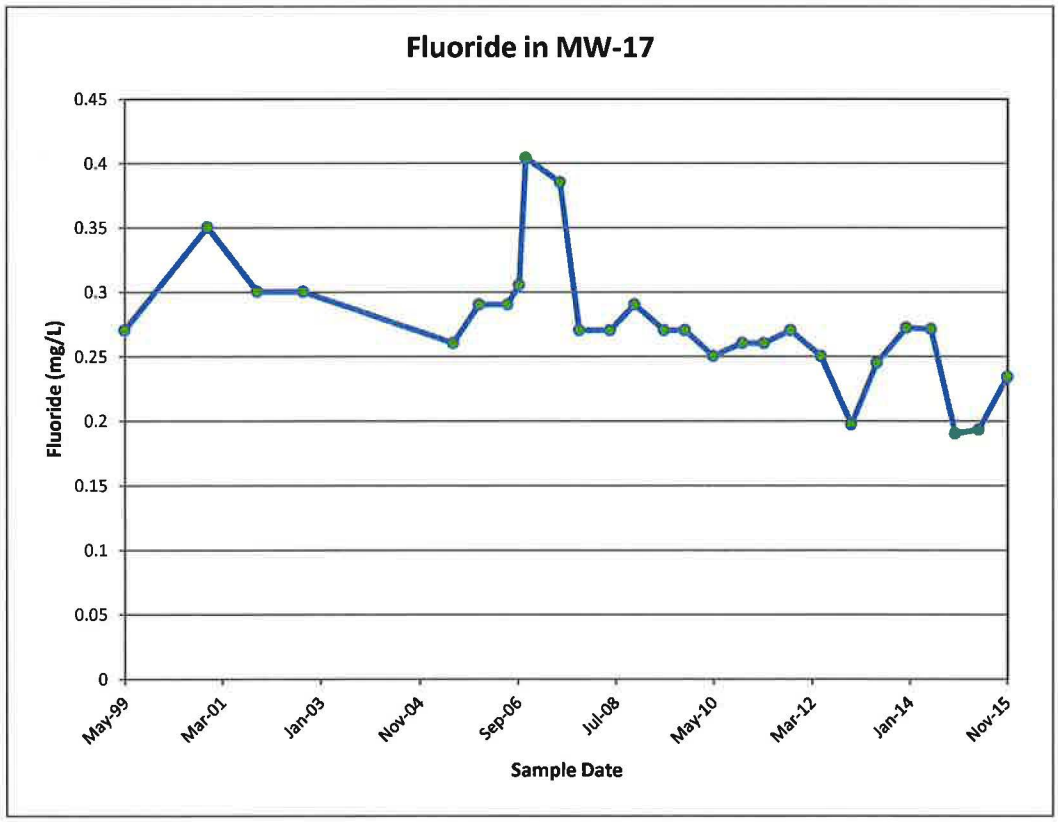
Time concentration plots for MW-15



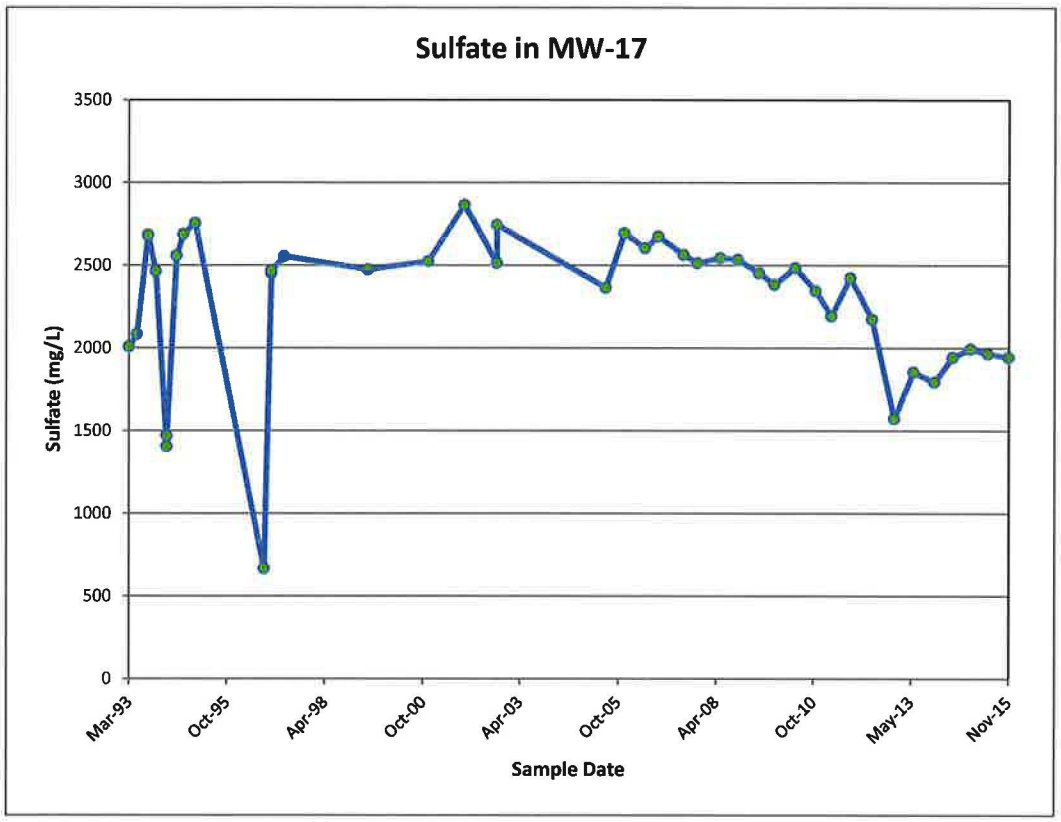


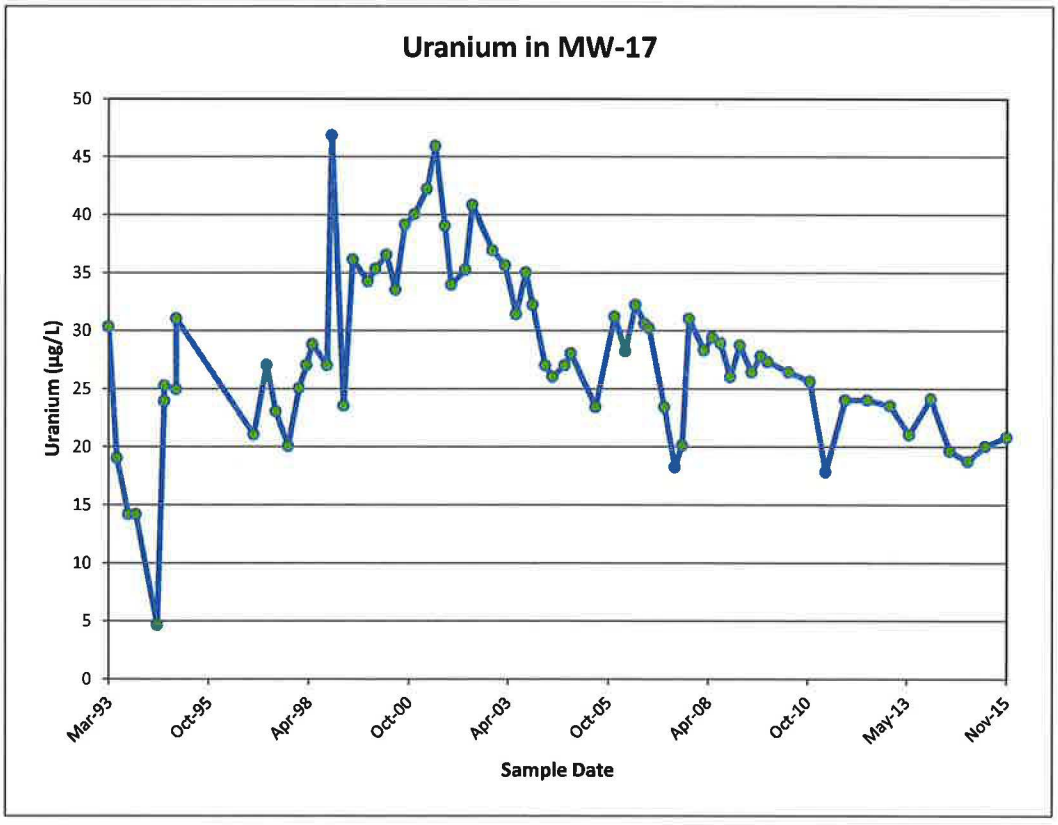
Time concentration plots for MW-17





Time concentration plots for MW-17

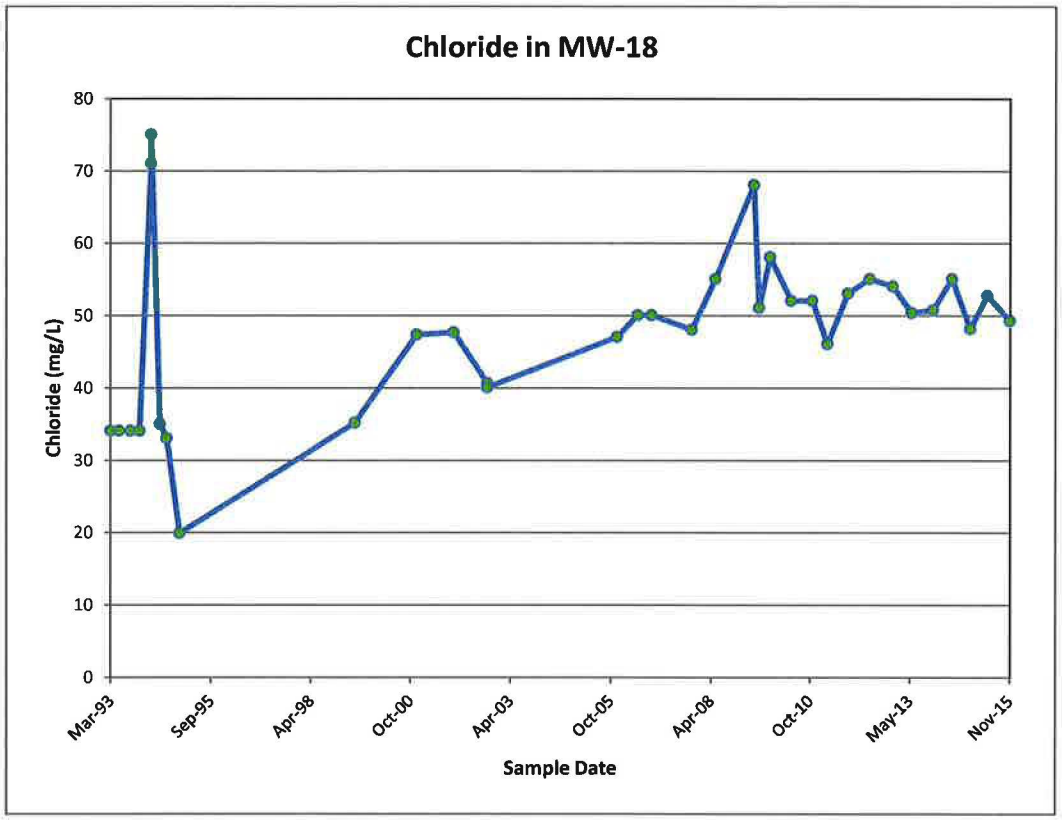


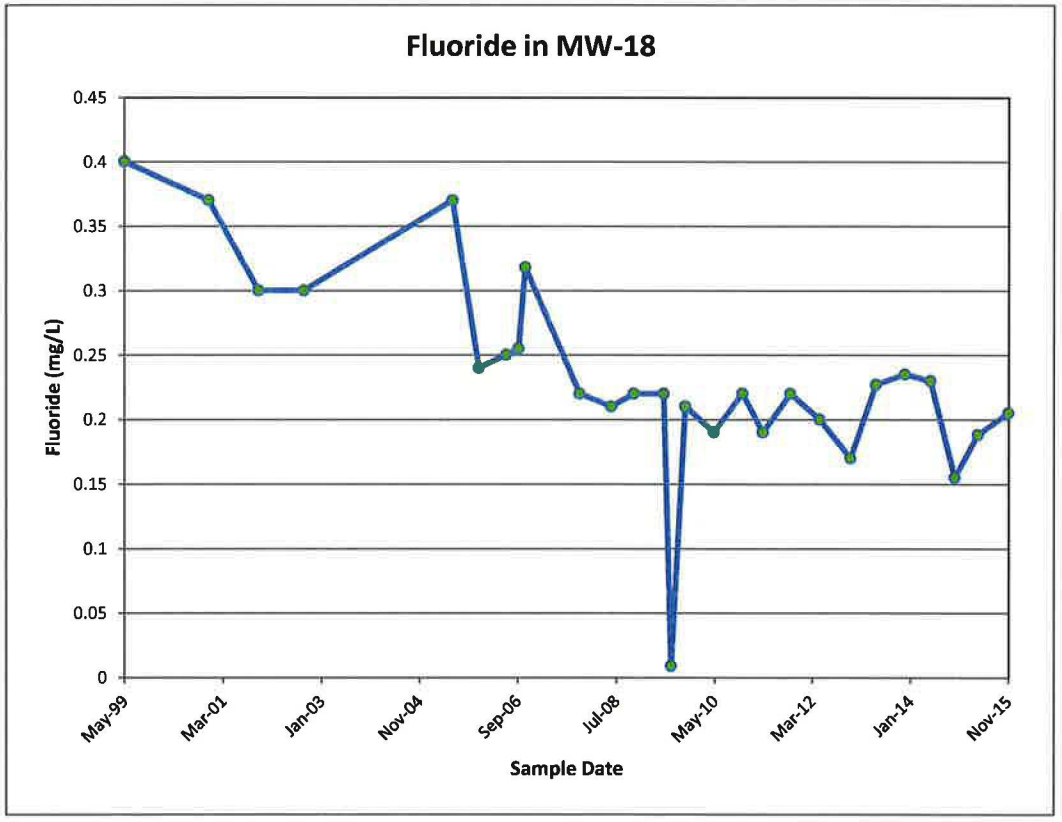


Detected Values

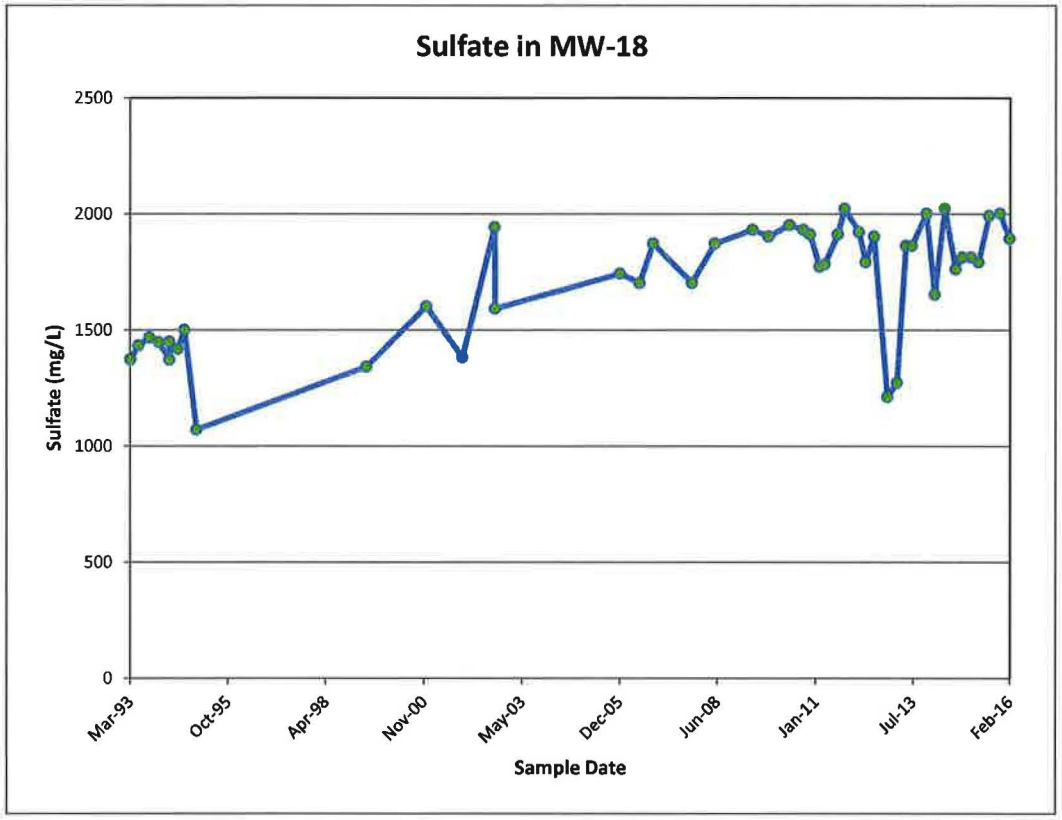
Non-Detected Values

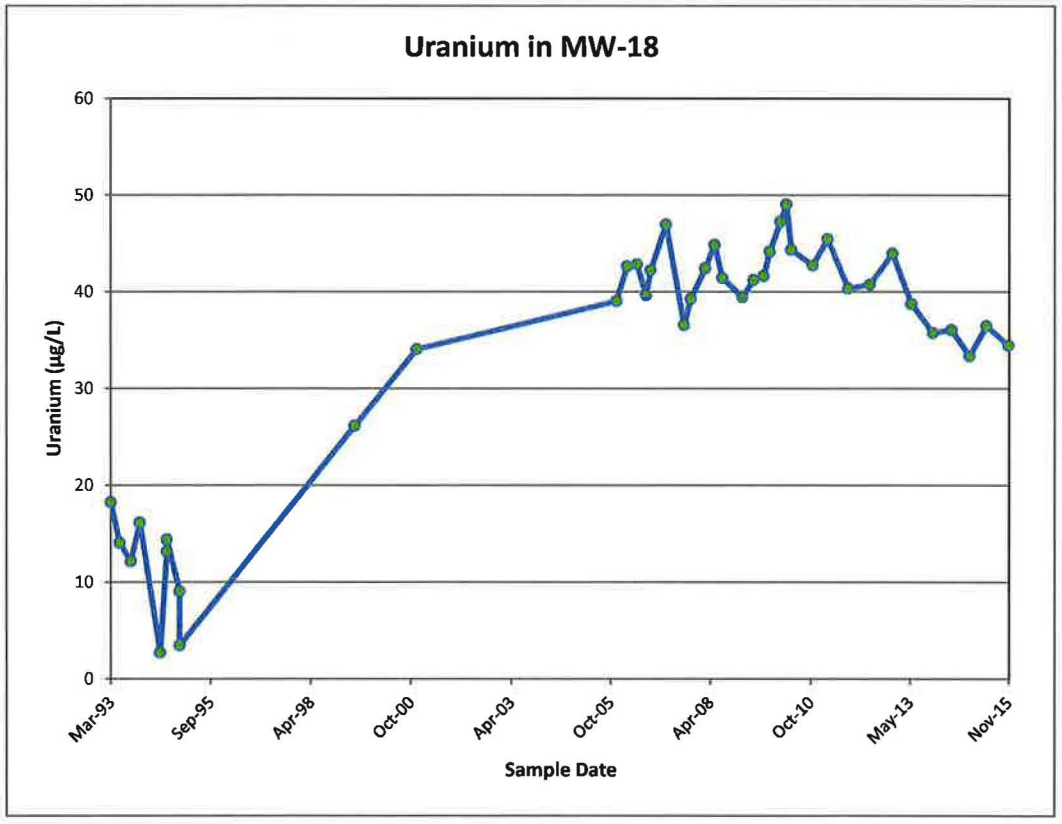
Time concentration plots for MW-18





Time concentration plots for MW-18

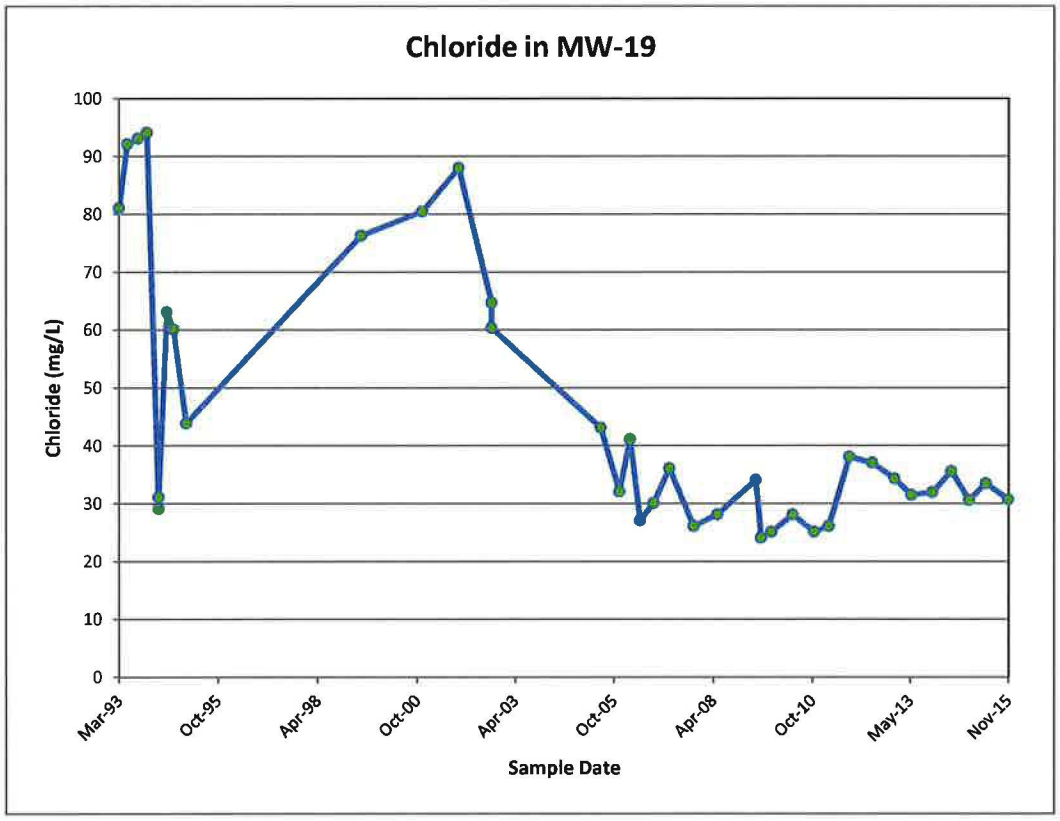


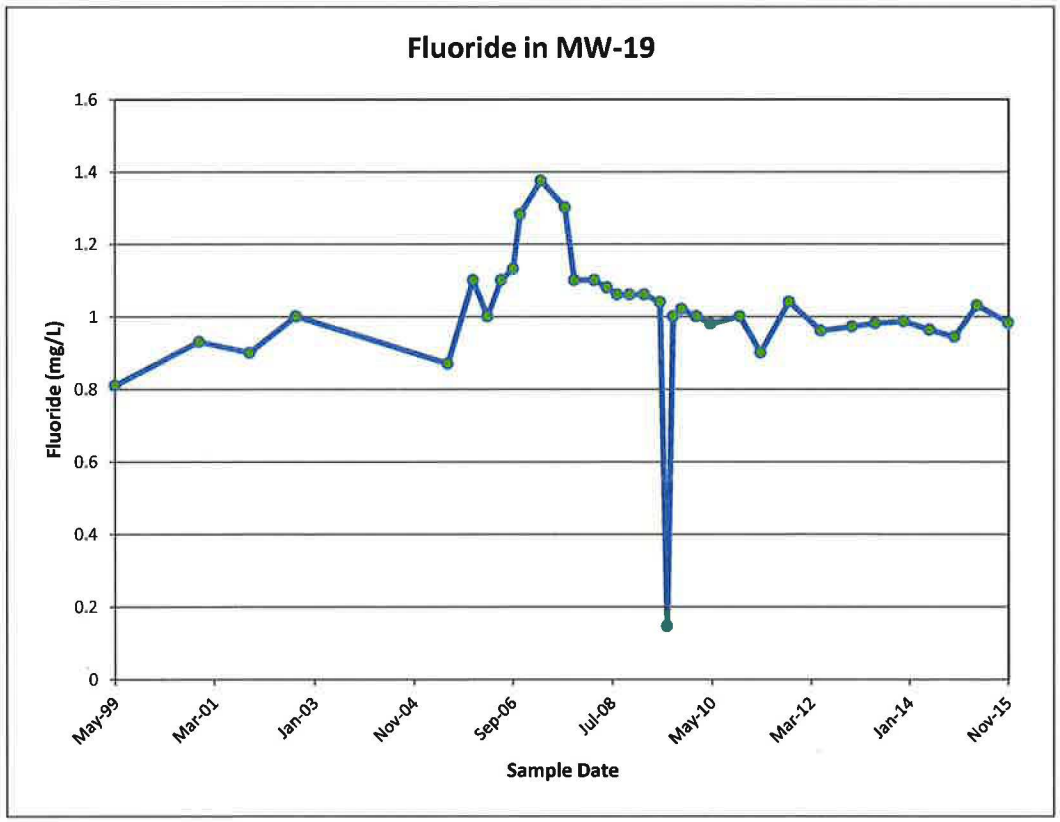


Detected Values

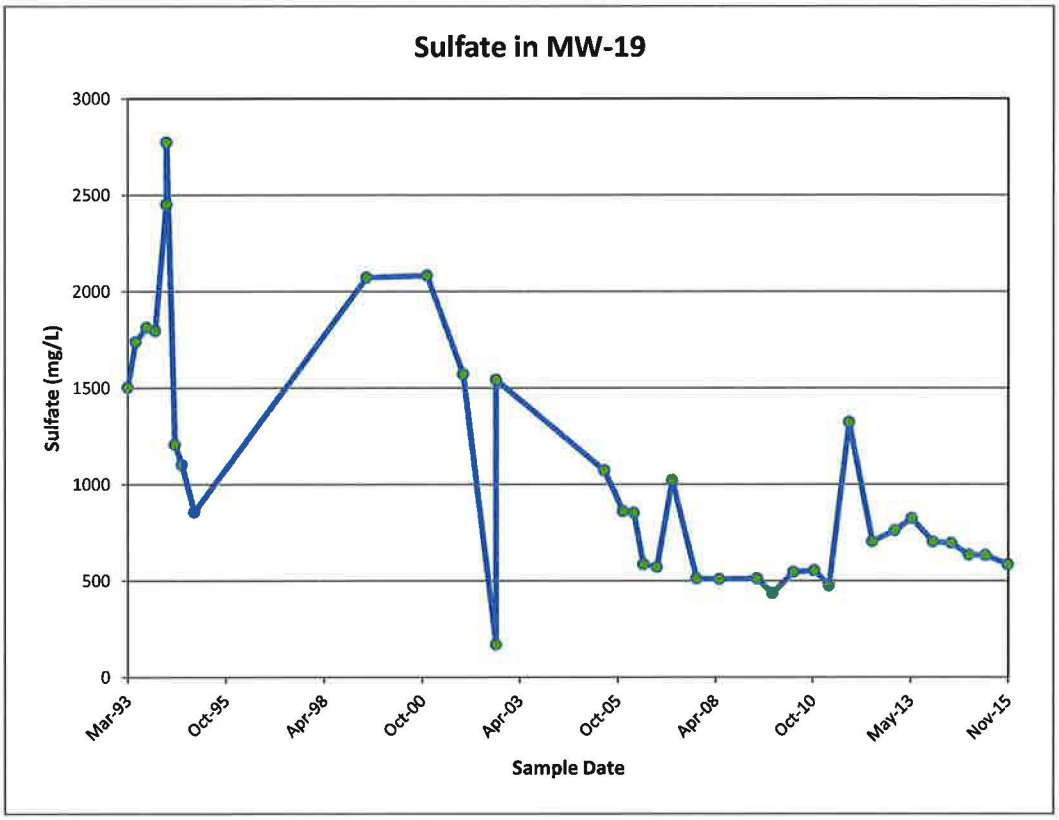
Non-Detected Values

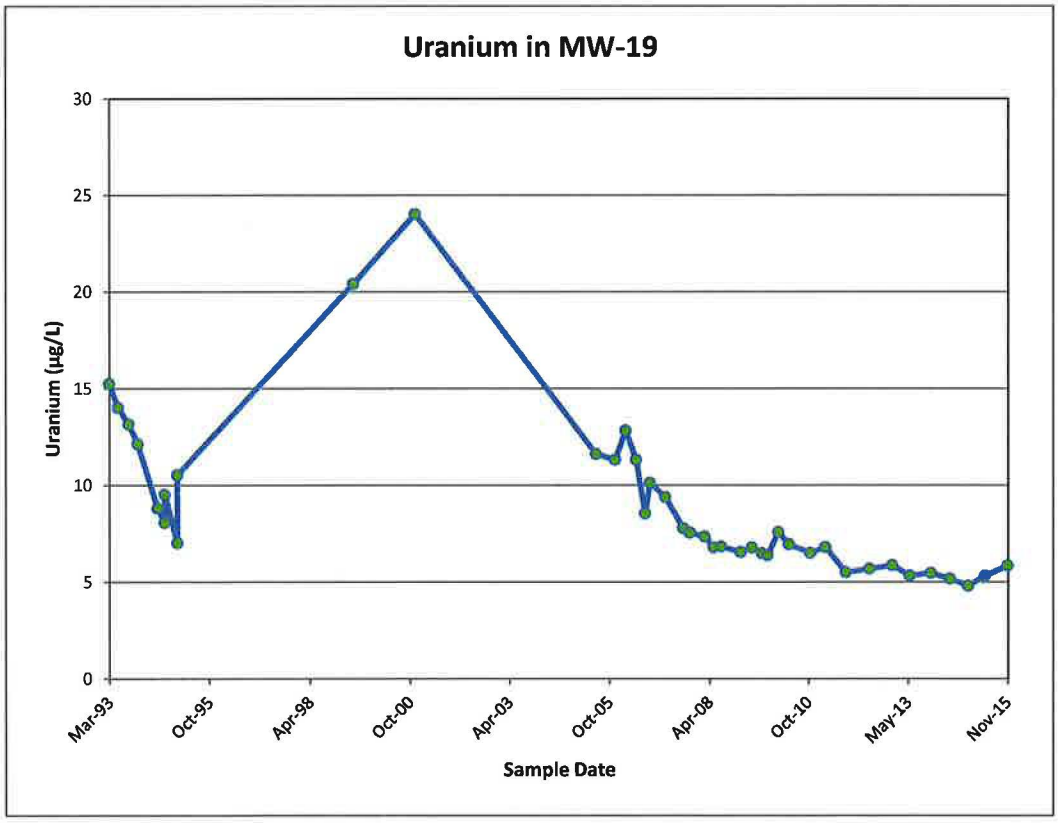
Time concentration plots for MW-19



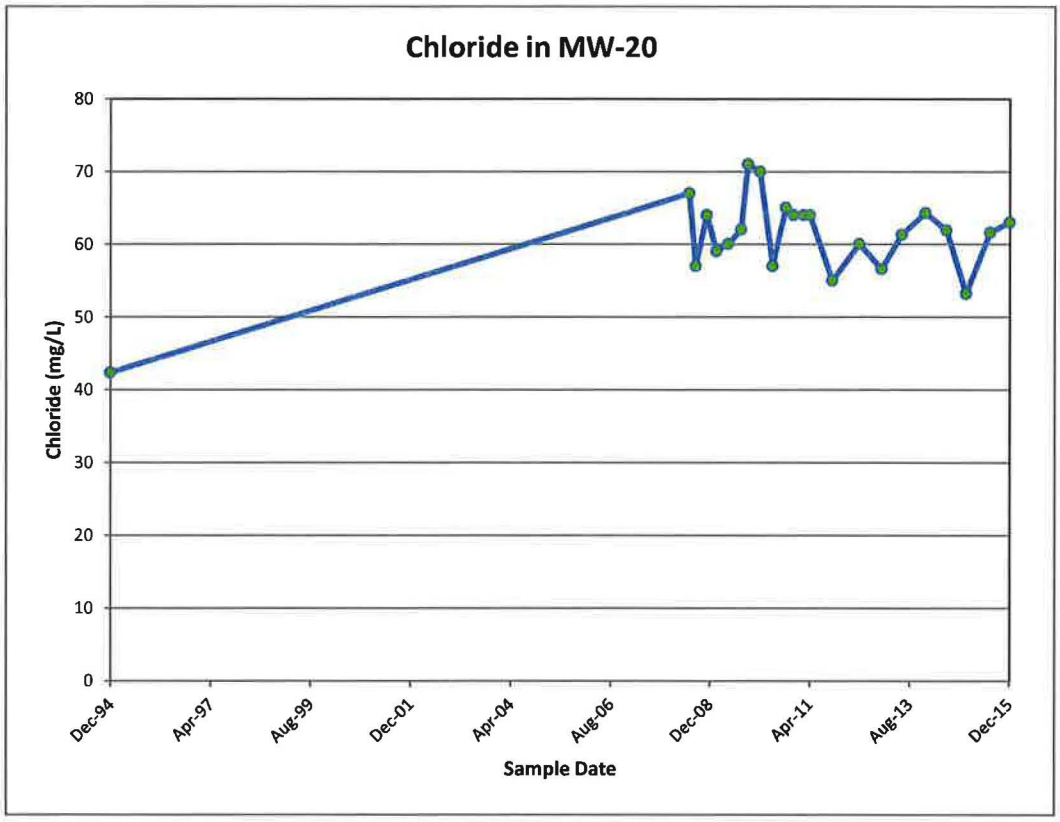


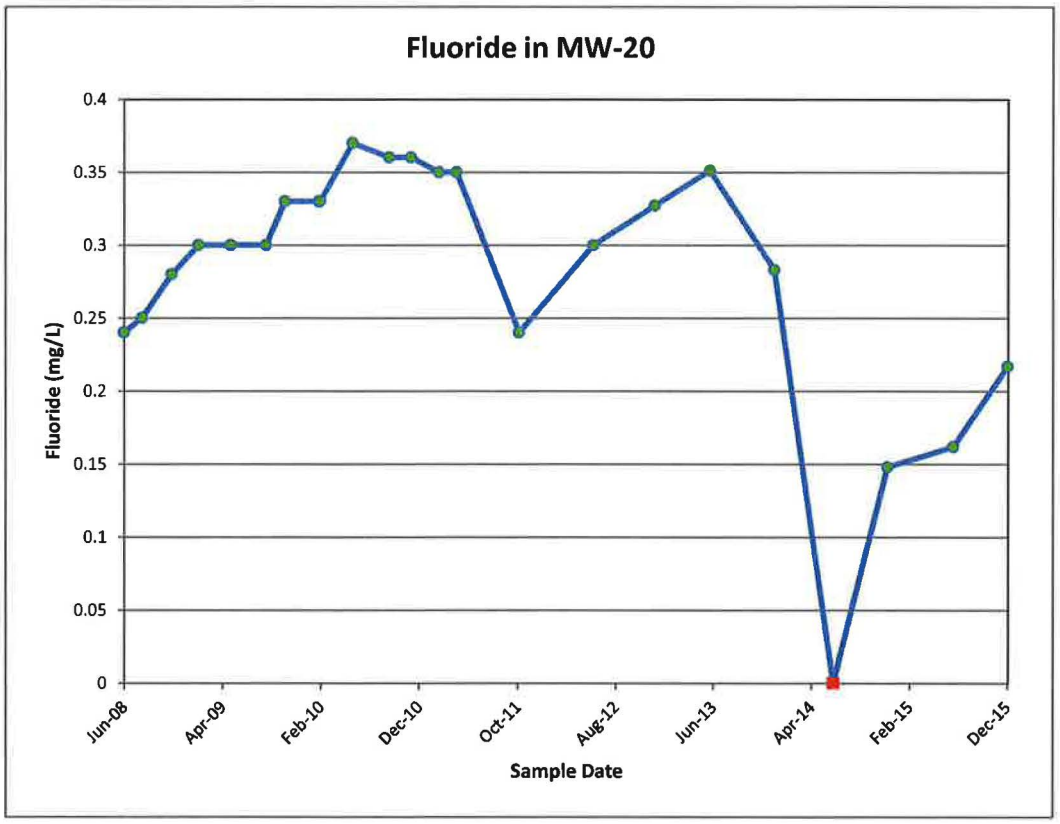
Time concentration plots for MW-19



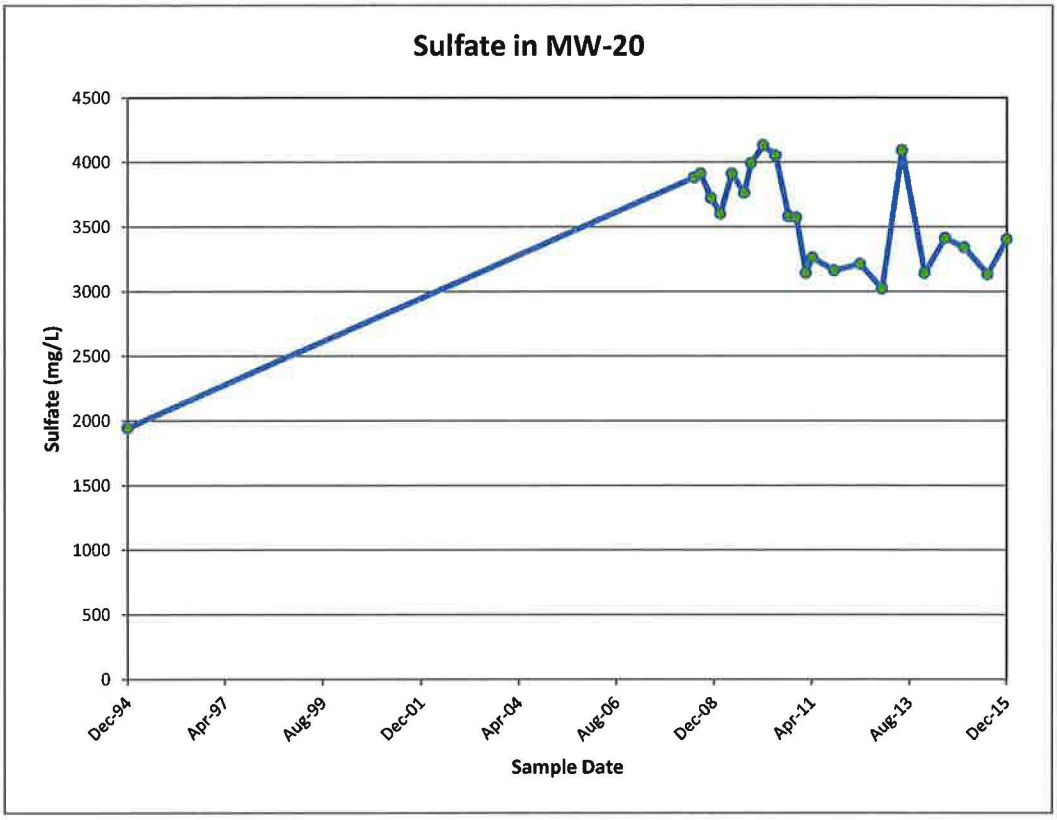


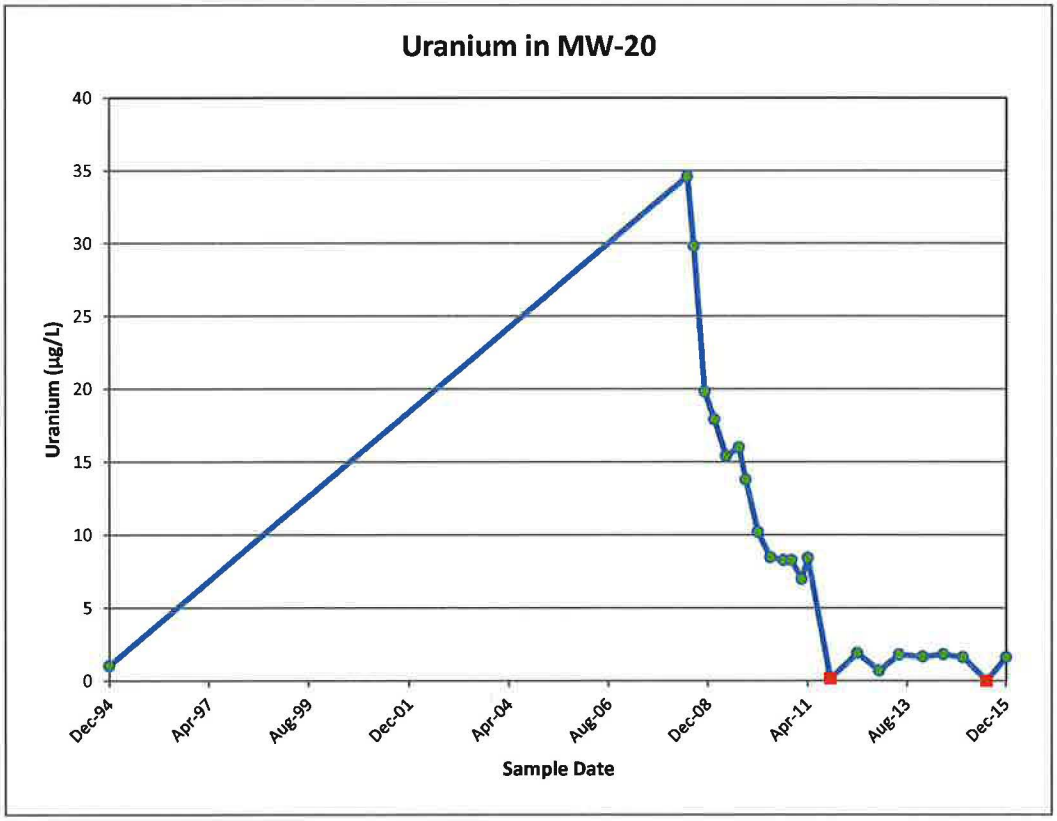
Time concentration plots for MW-20





Time concentration plots for MW-20

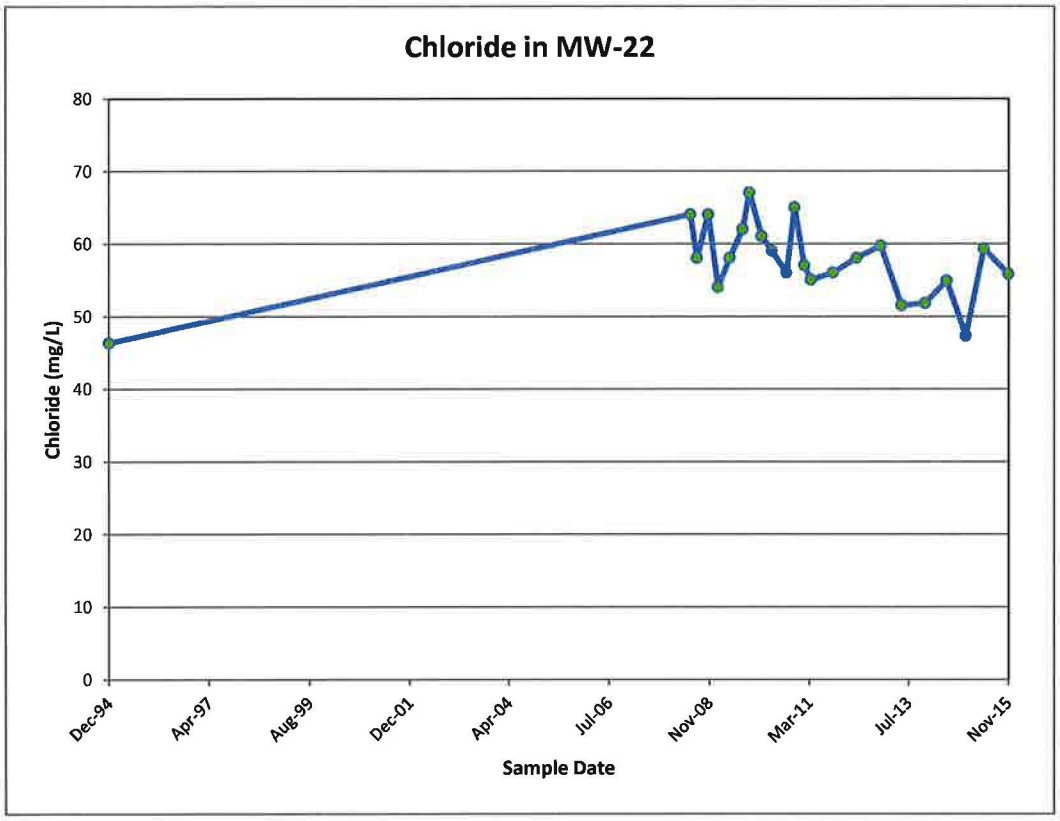


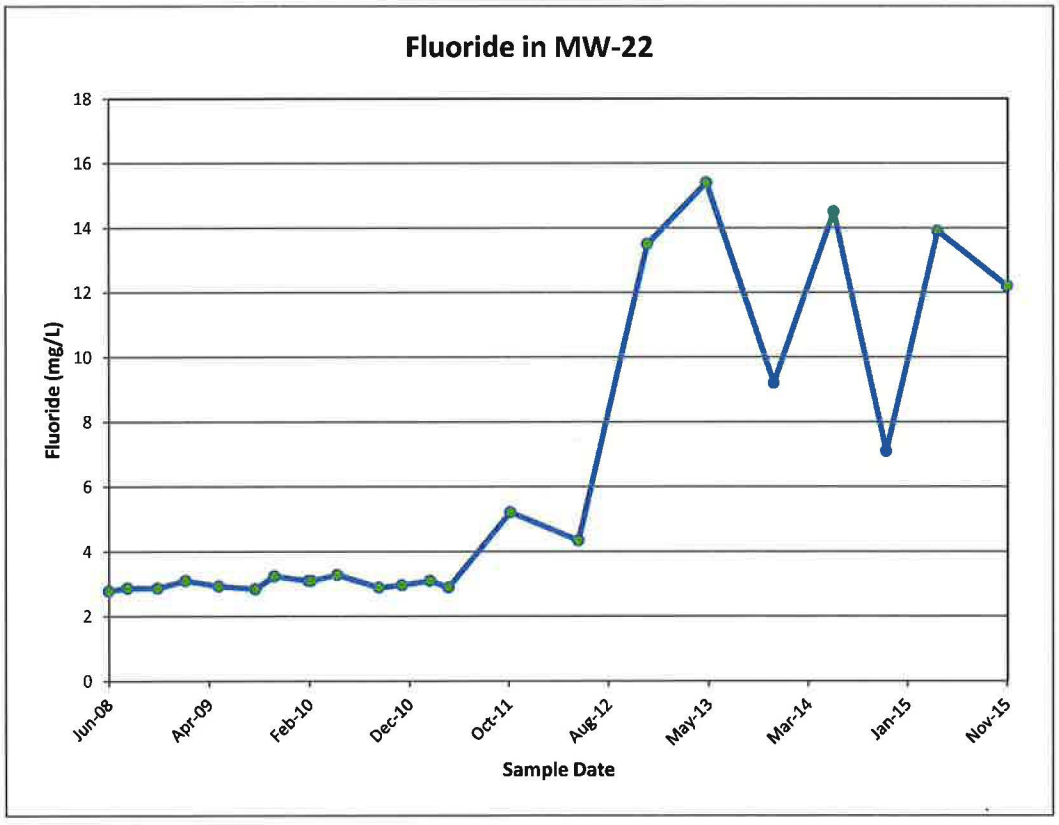


Detected Values

Non-Detected Values

Time concentration plots for MW-22

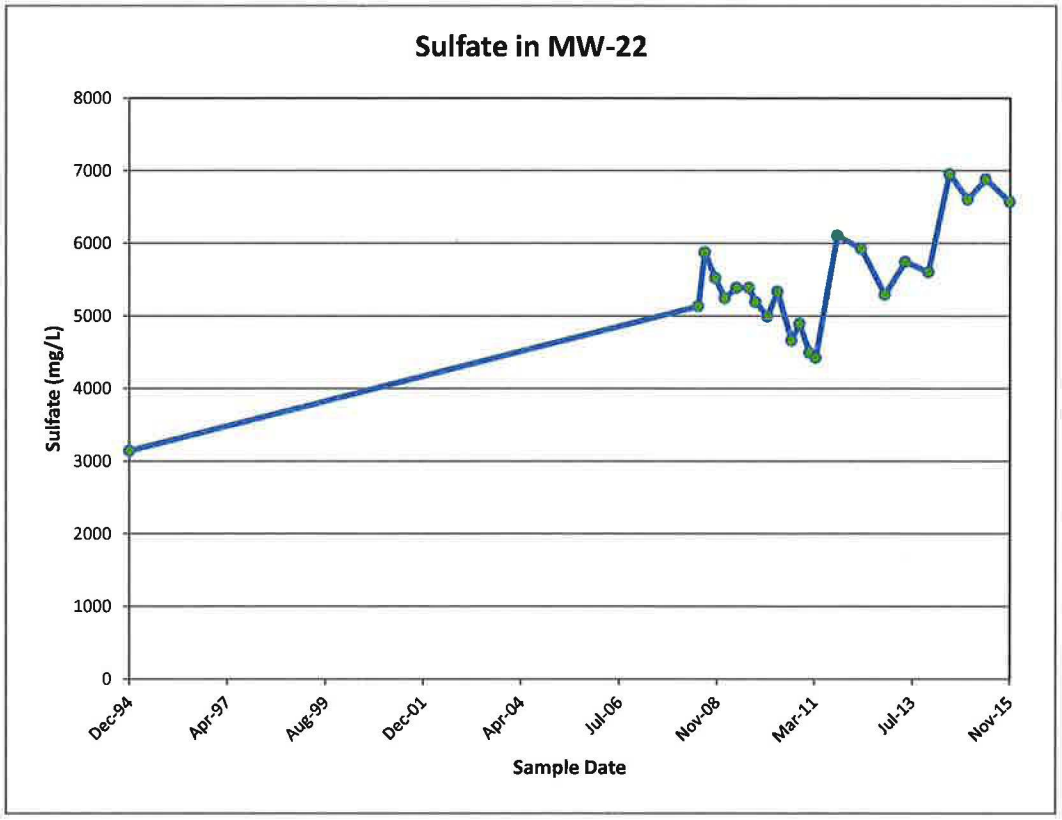


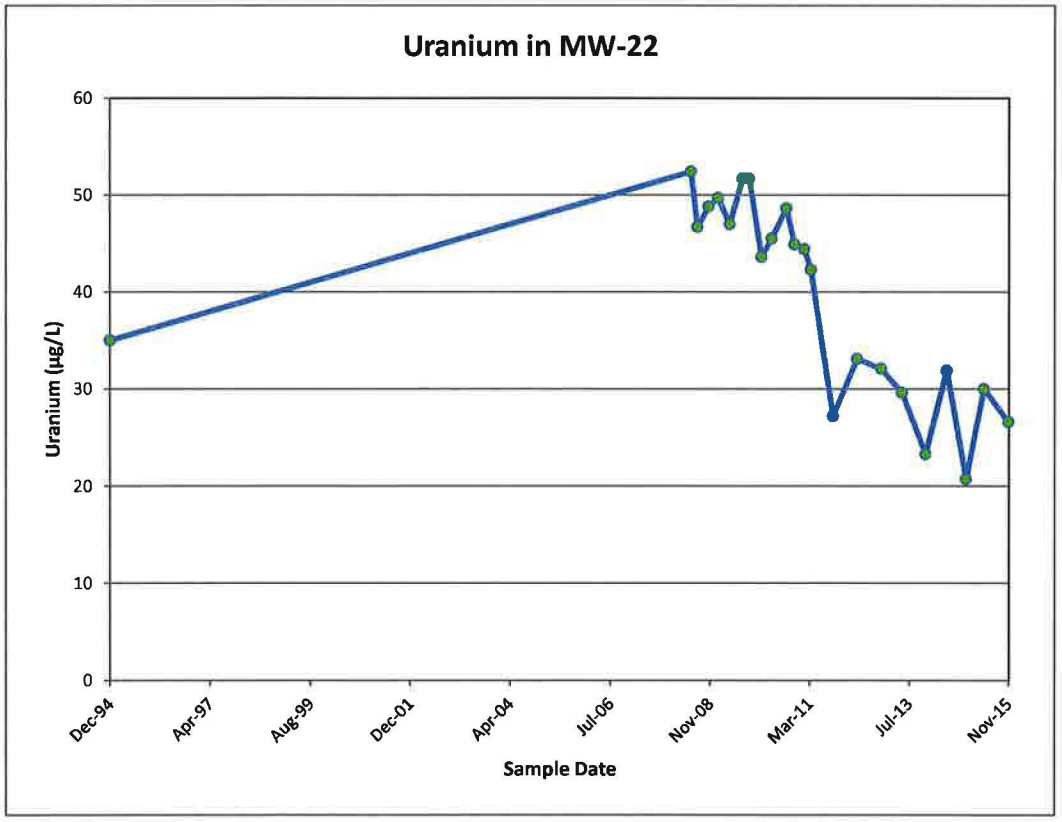


Detected Values

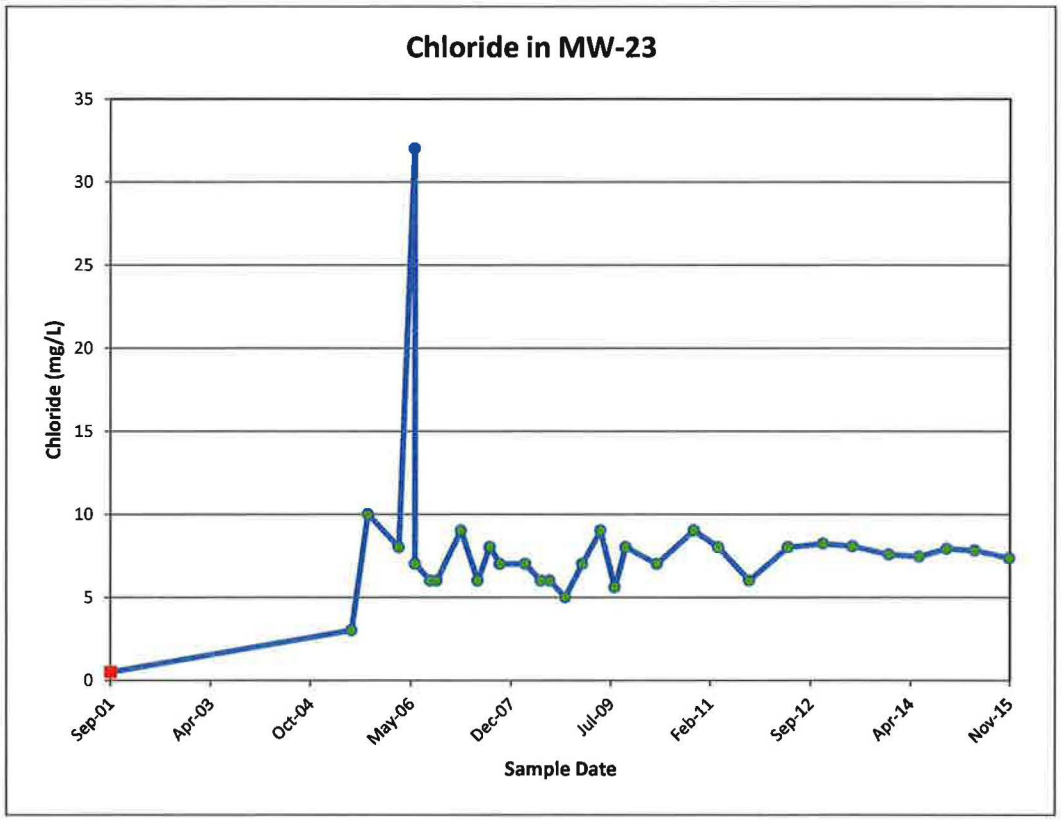
Non-Detected Values

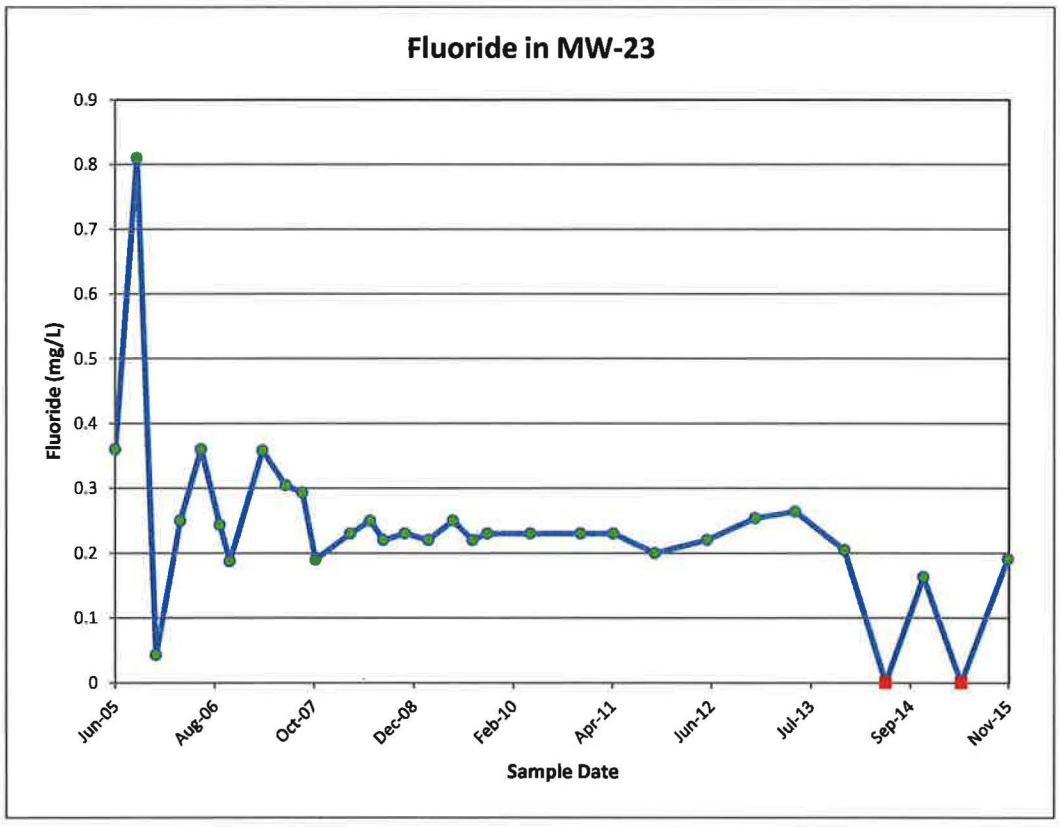
Time concentration plots for MW-22





Time concentration plots for MW-23

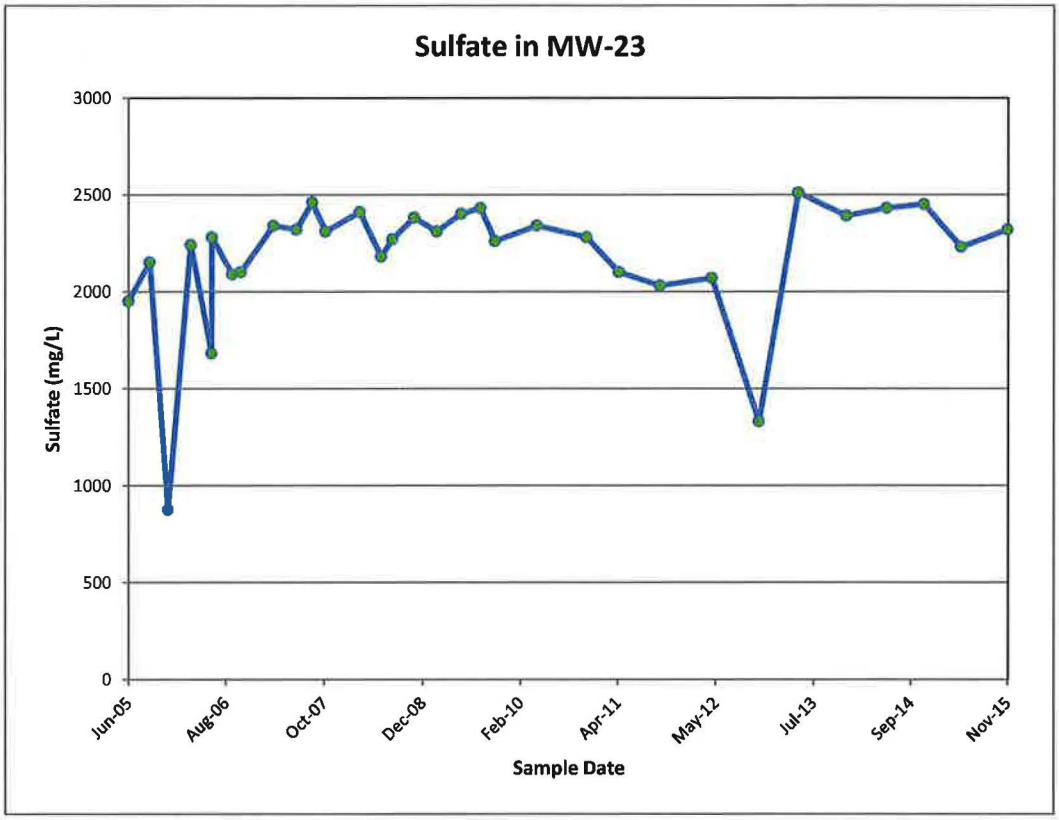


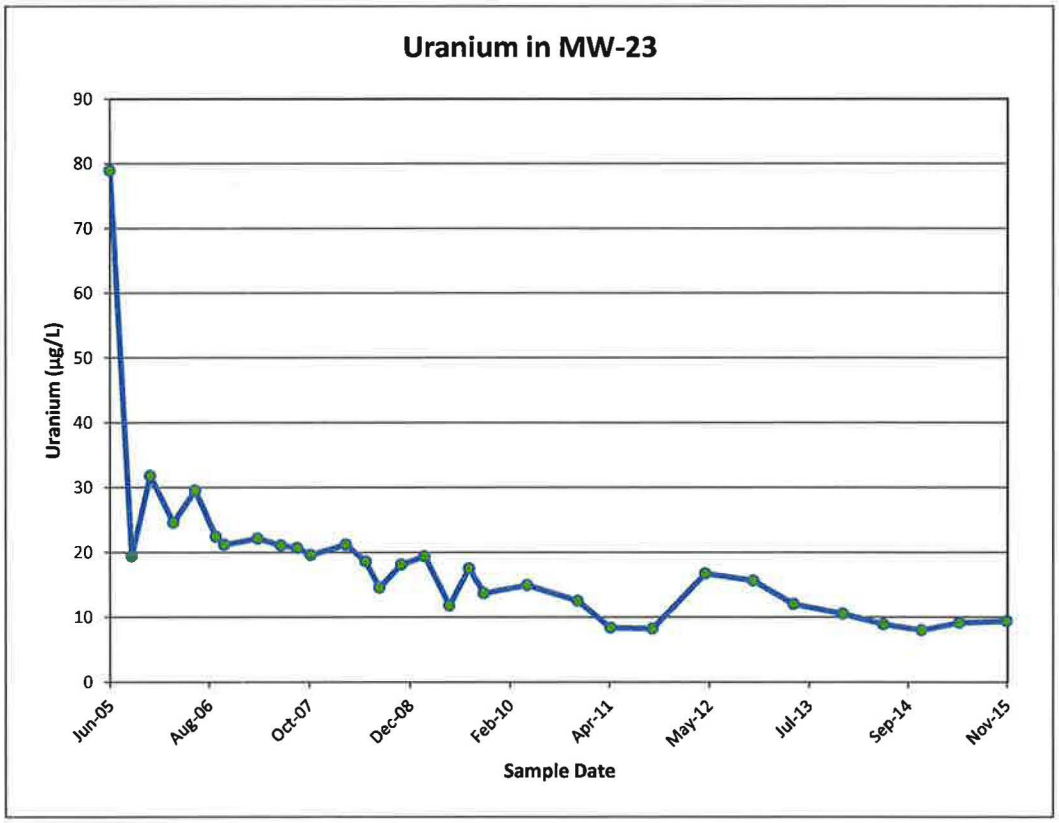


Detected Values

Non-Detected Values

Time concentration plots for MW-23

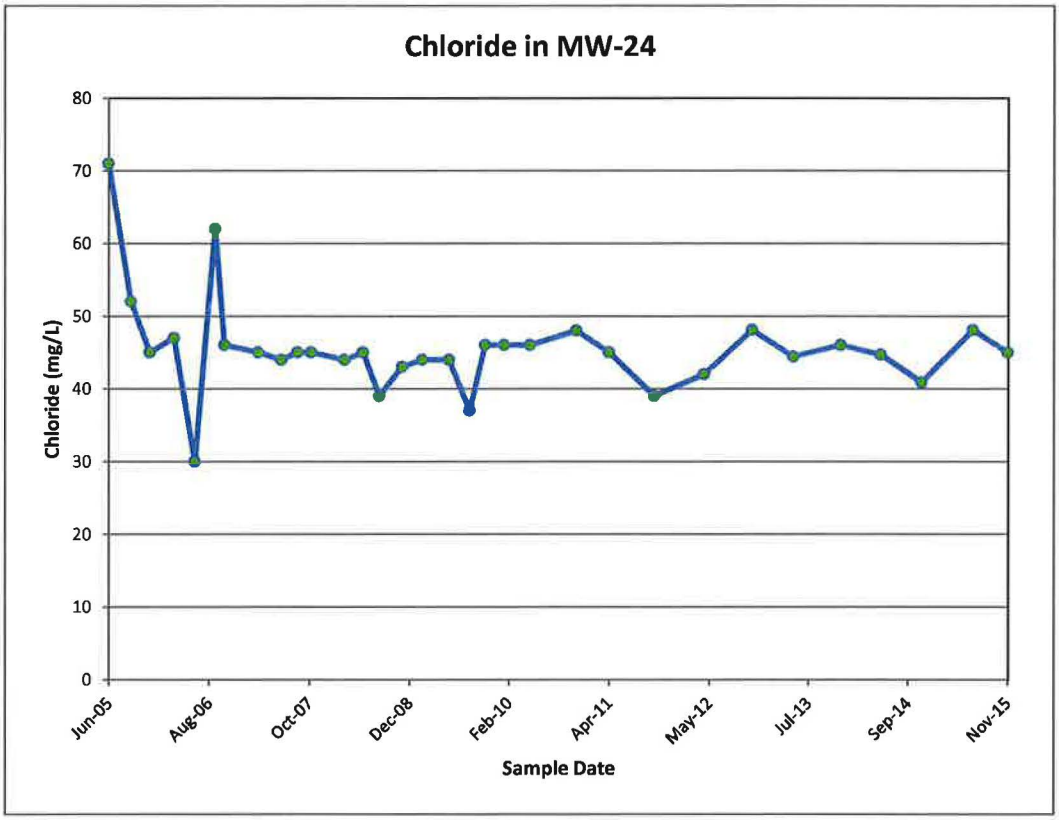


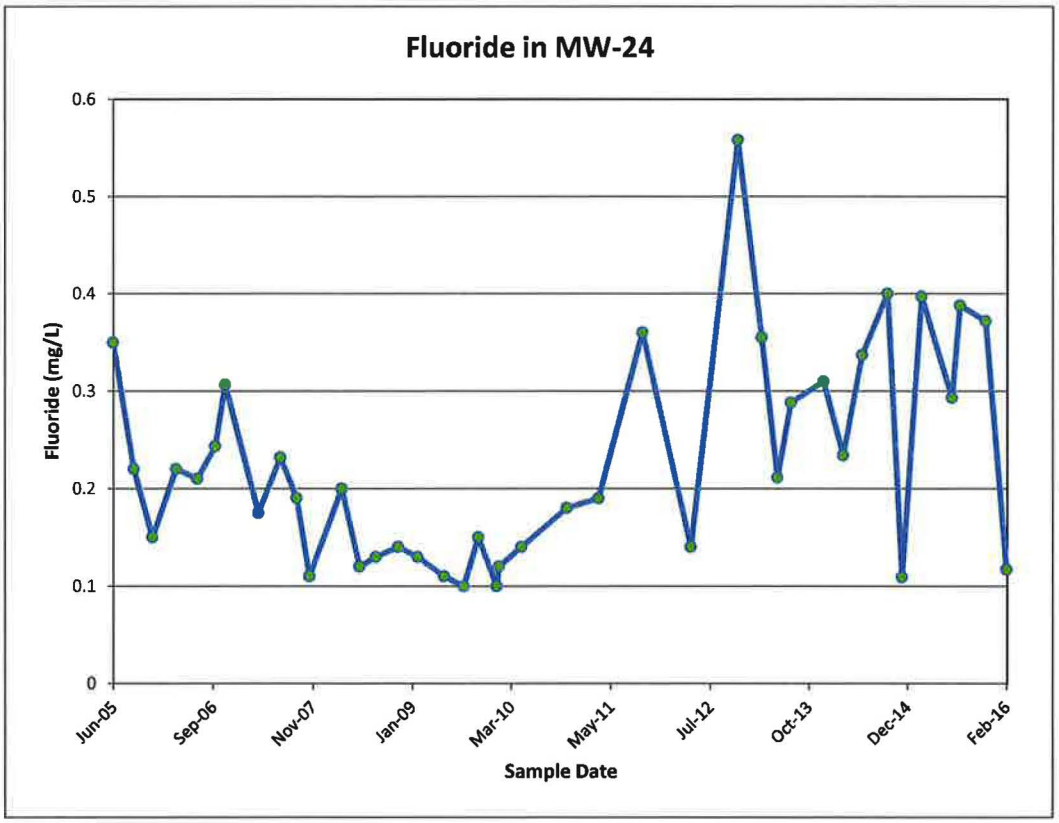


Detected Values

Non-Detected Values

Time concentration plots for MW-24

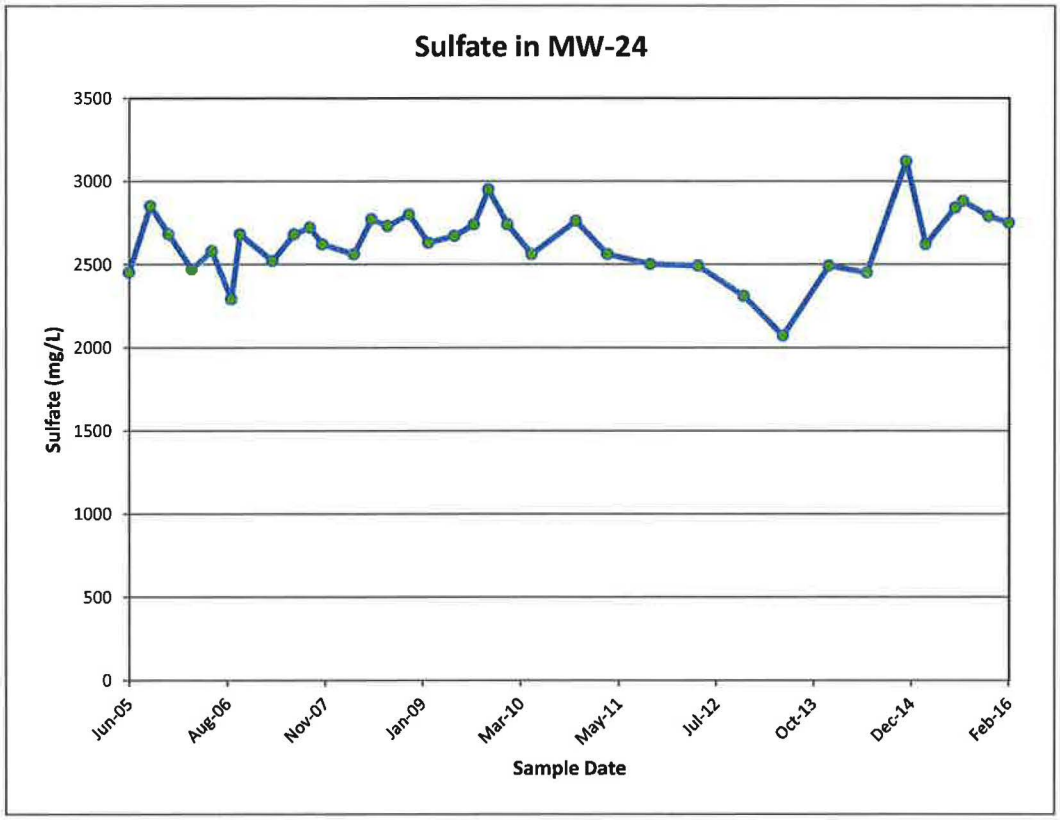


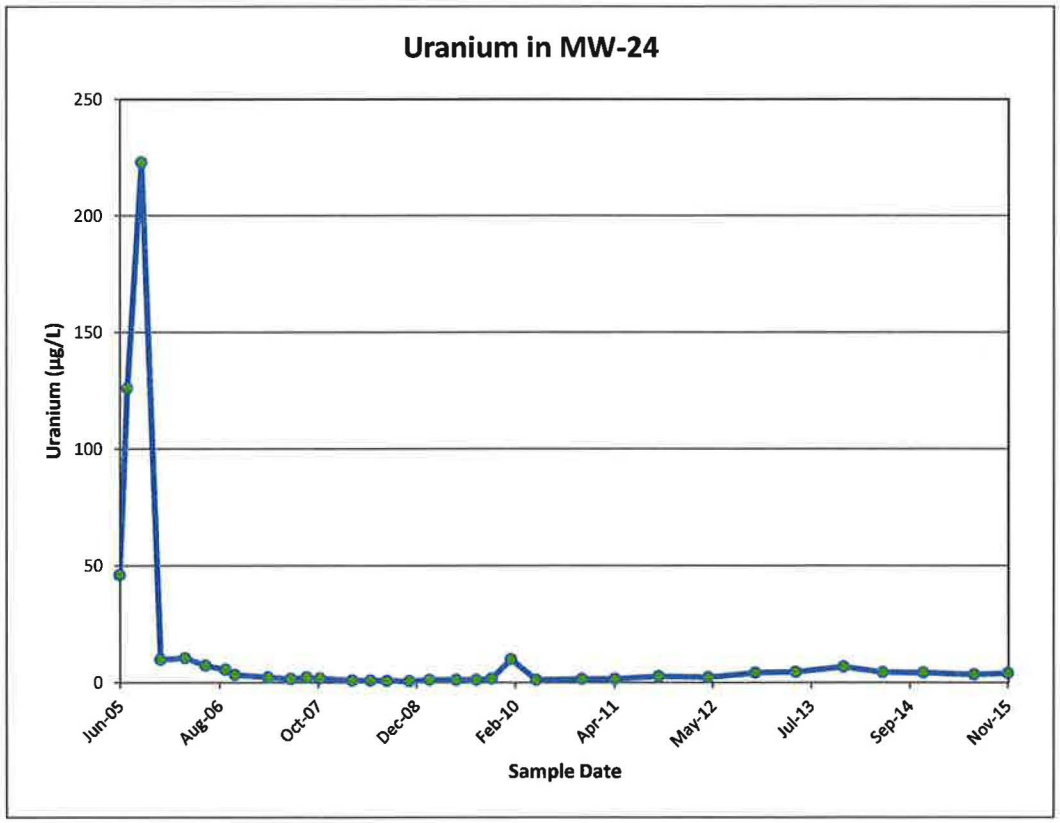


Detected Values

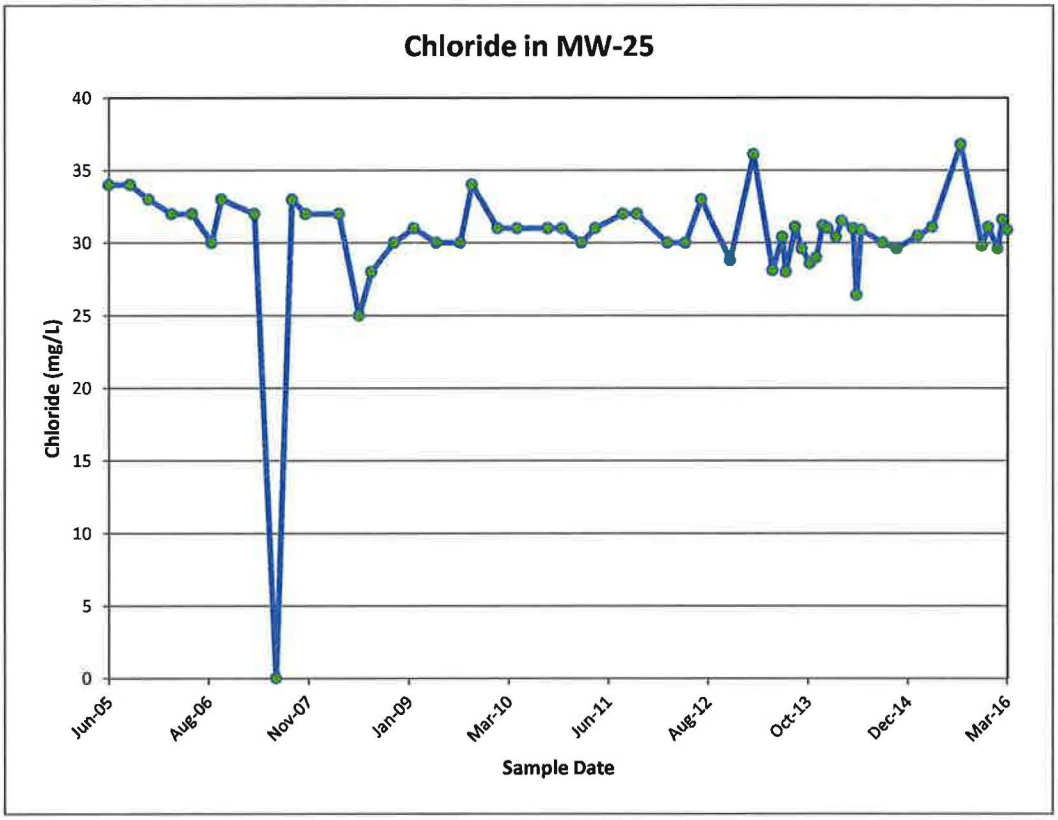
Non-Detected Values

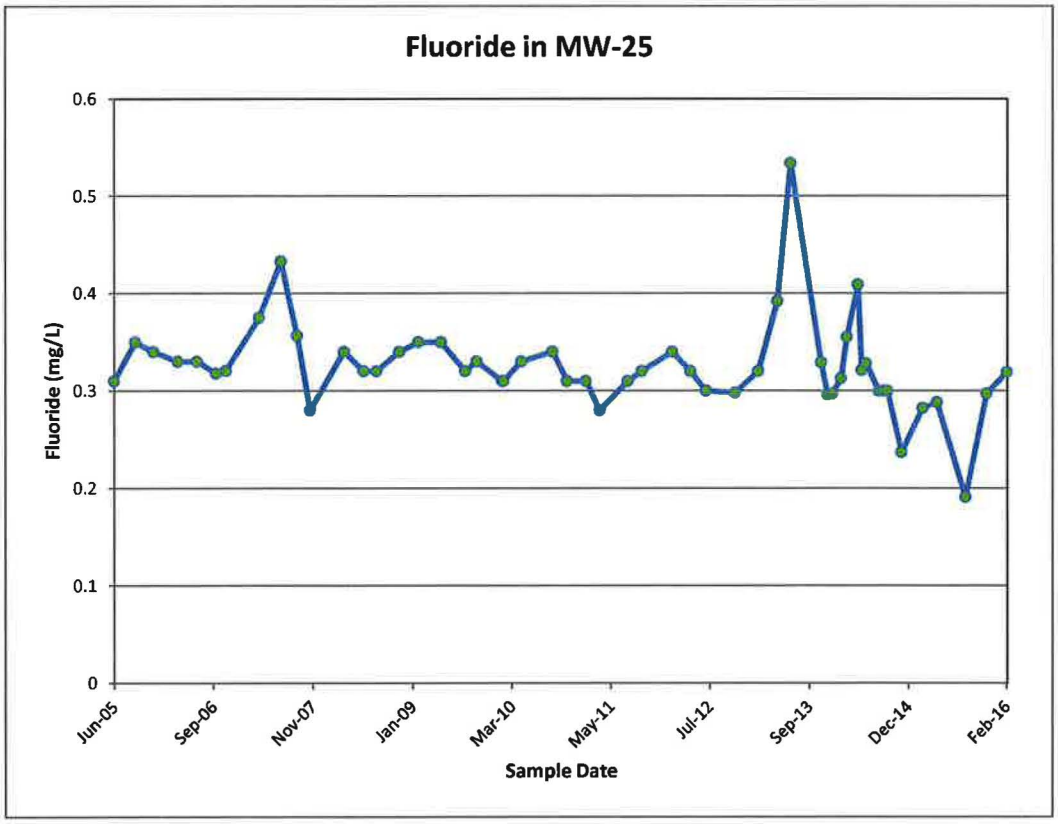
Time concentration plots for MW-24



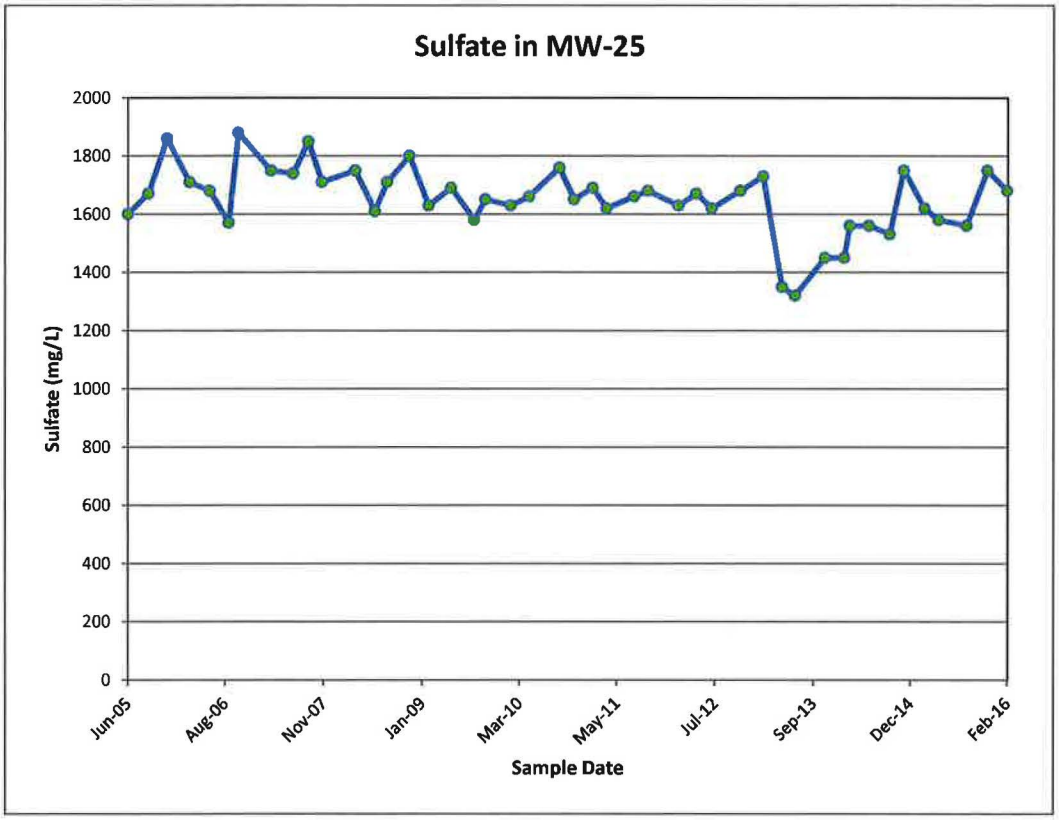


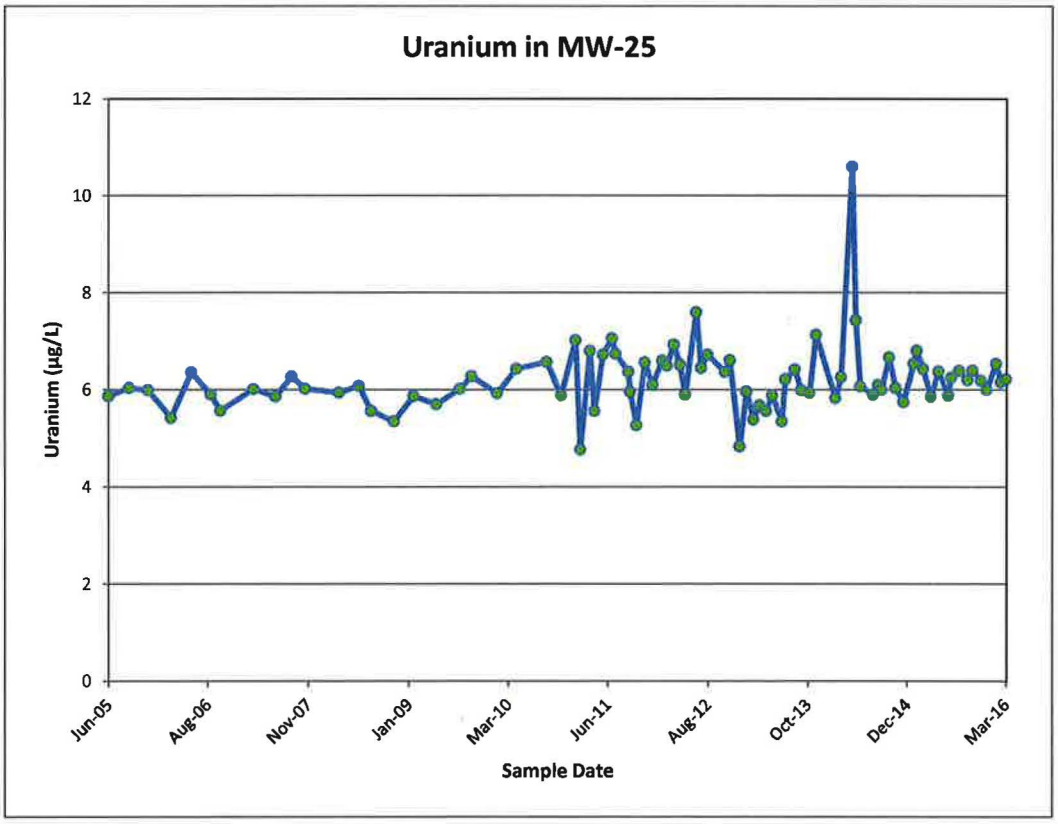
Time concentration plots for MW-25



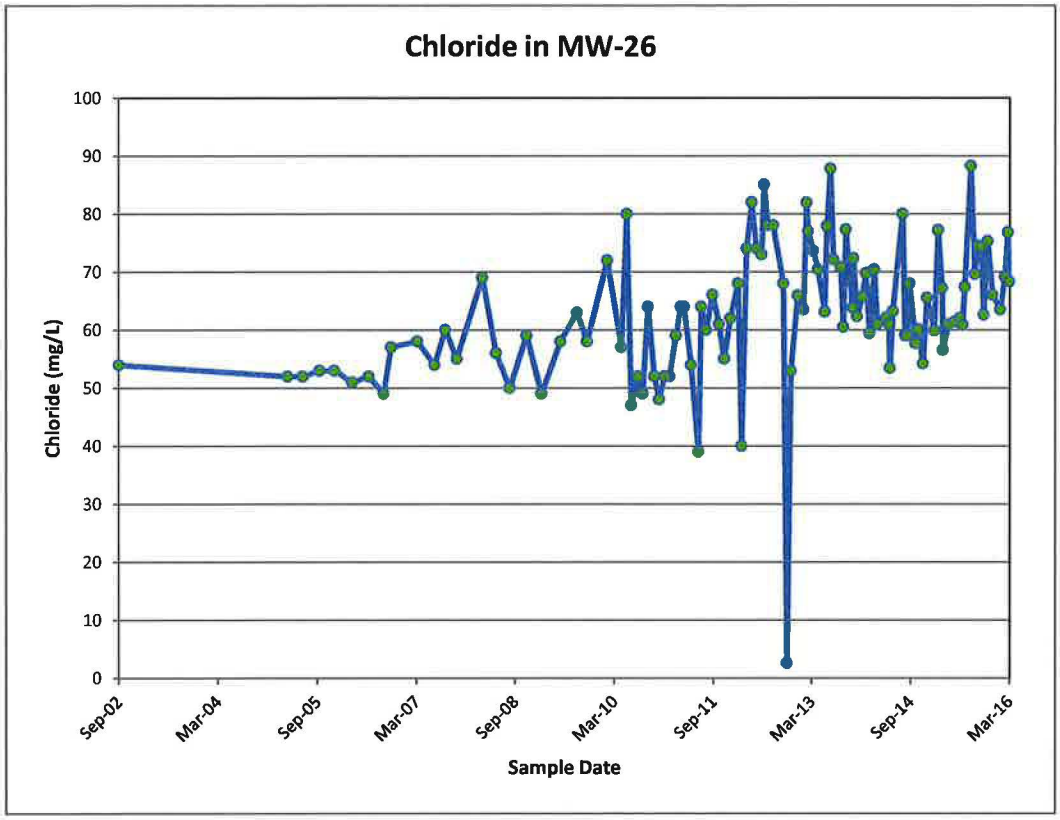


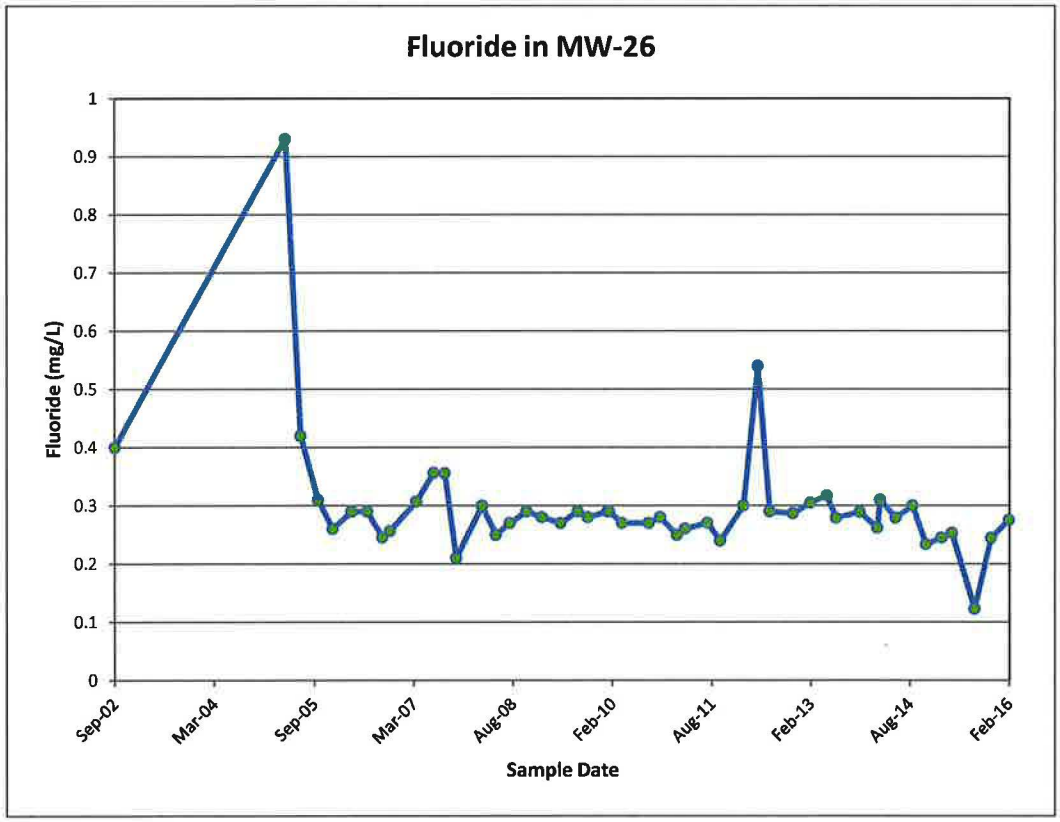
Time concentration plots for MW-25



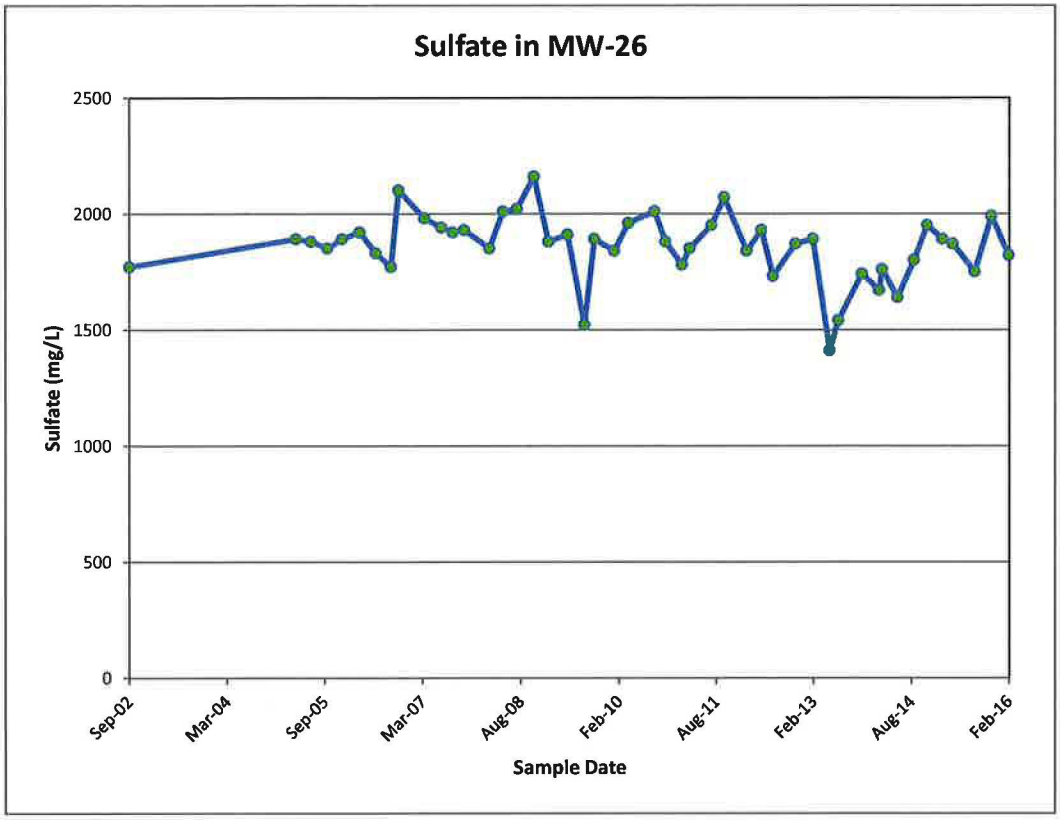


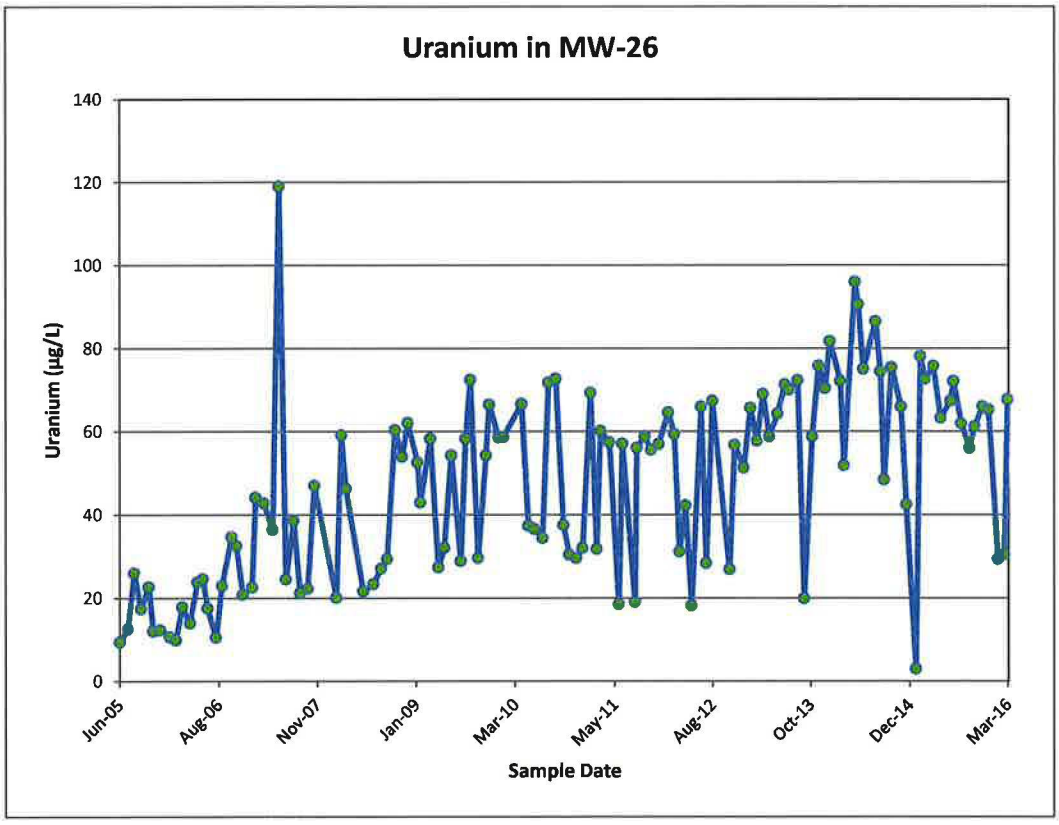
Time concentration plots for MW-26





Time concentration plots for MW-26

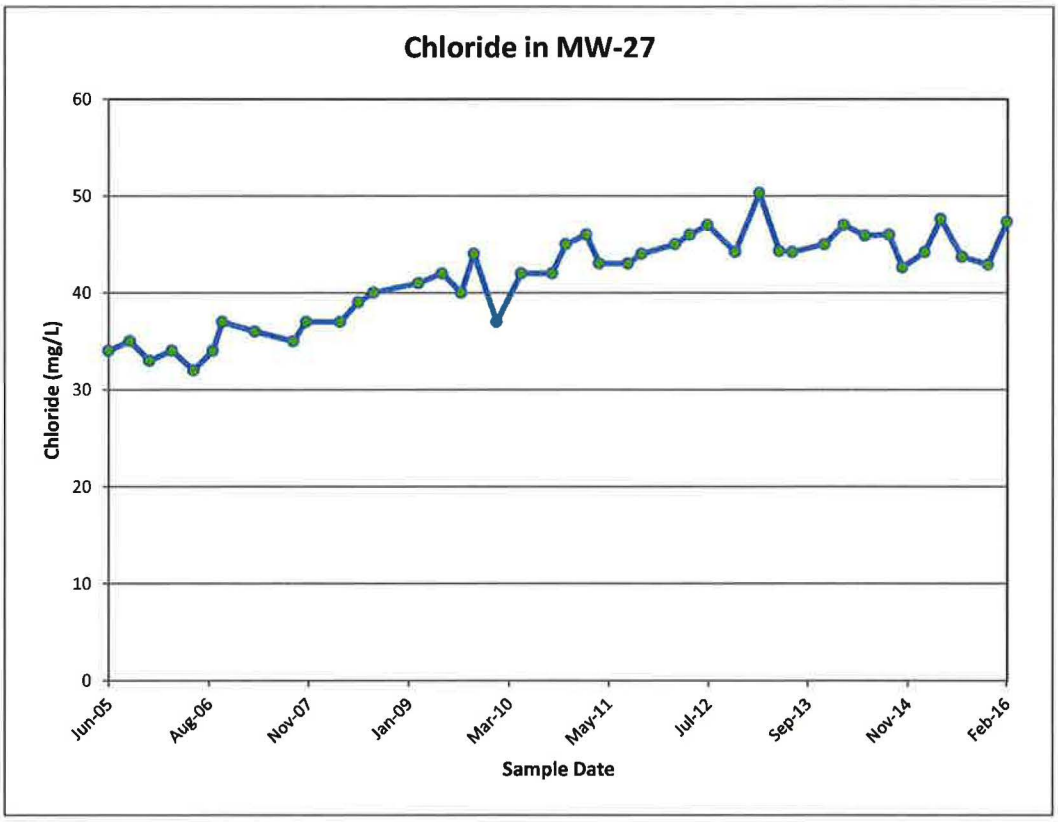


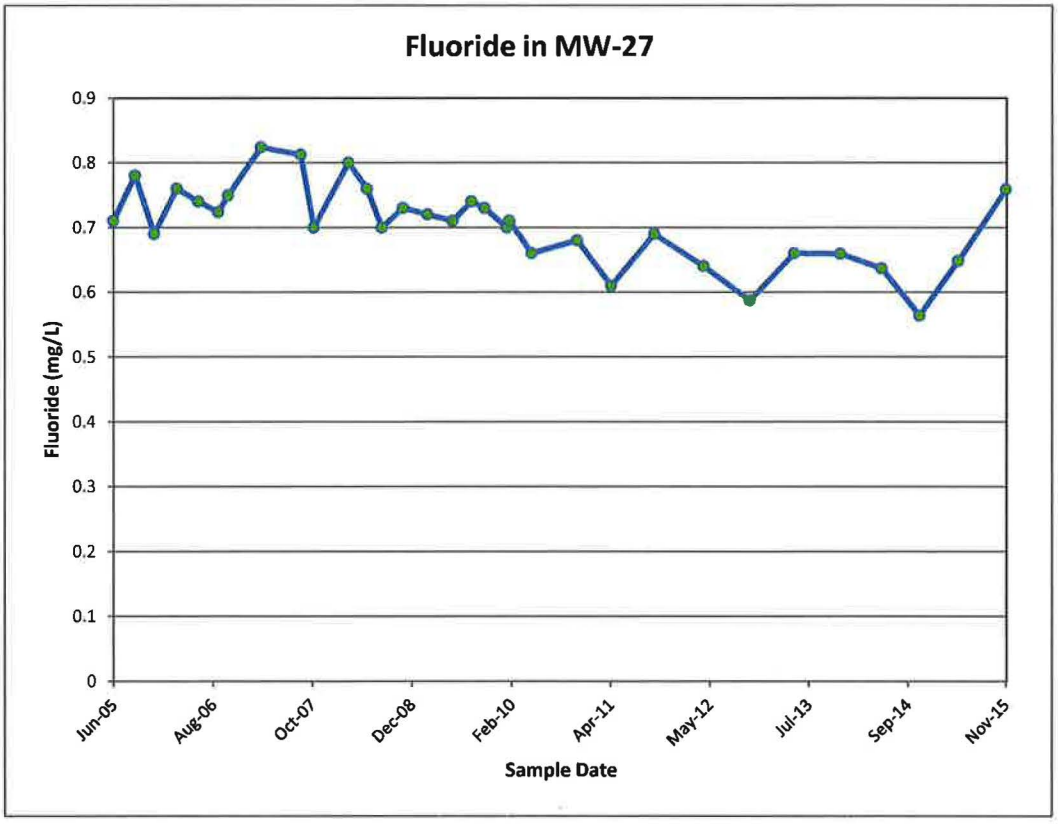


Detected Values

Non-Detected Values

Time concentration plots for MW-27

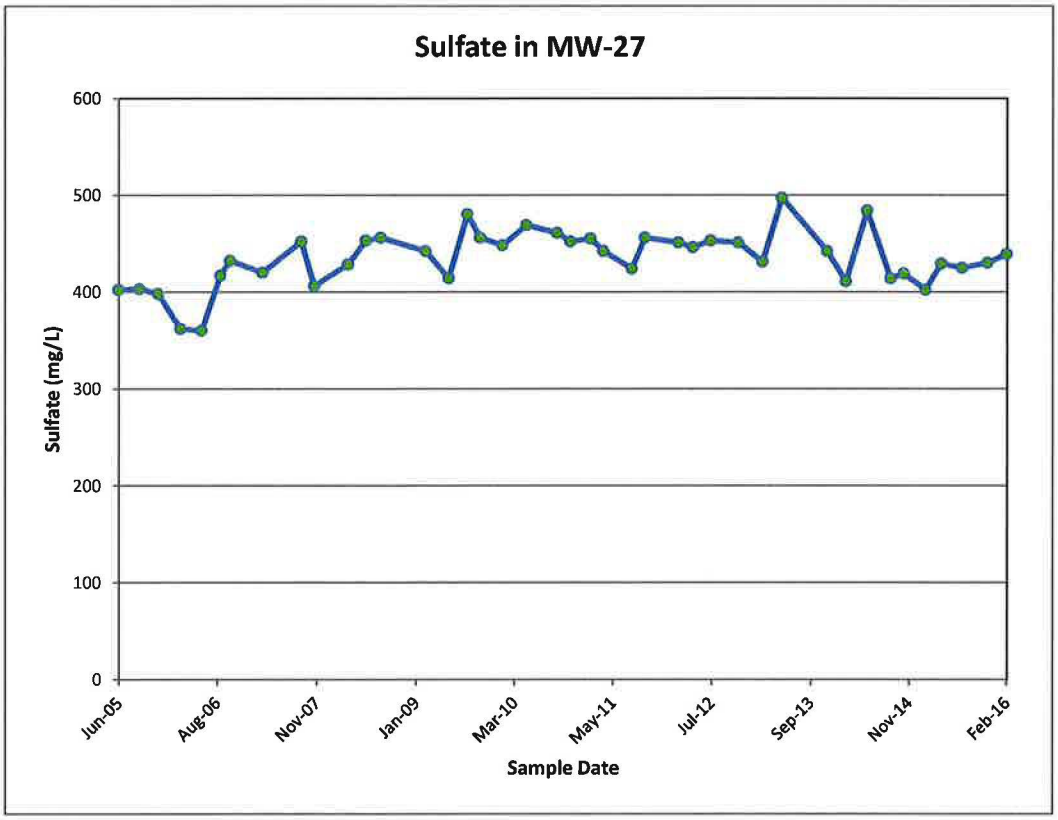


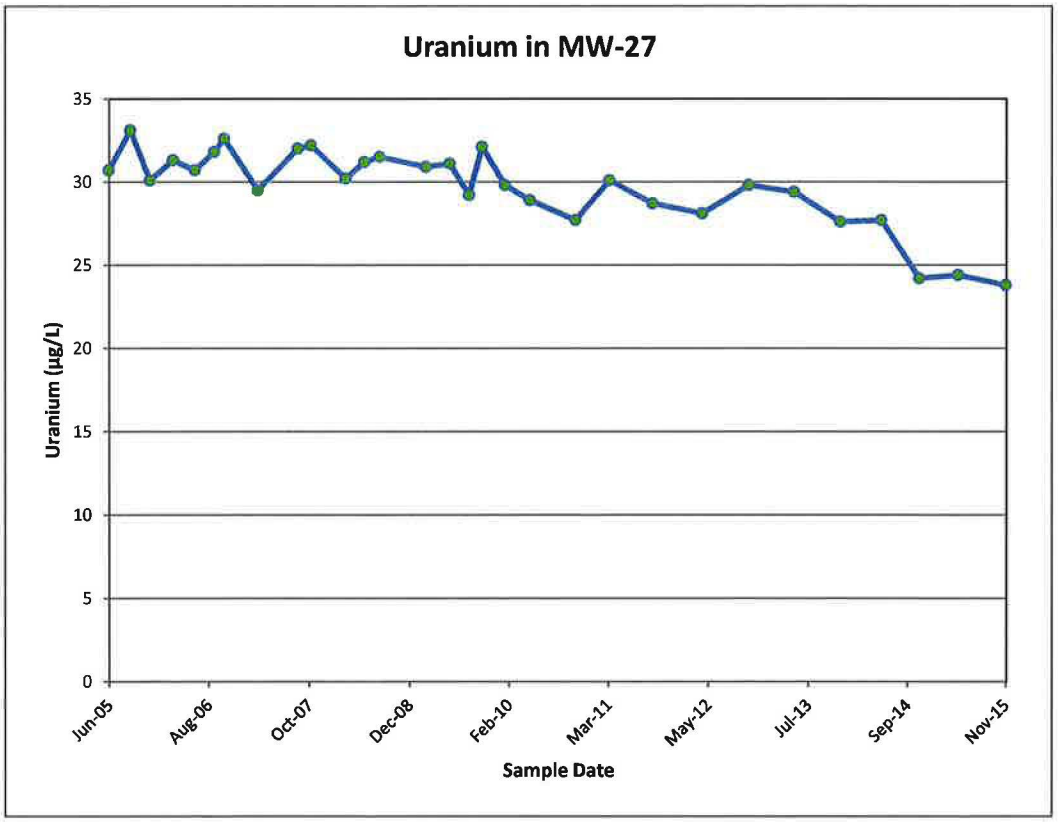


Detected Values

Non-Detected Values

Time concentration plots for MW-27

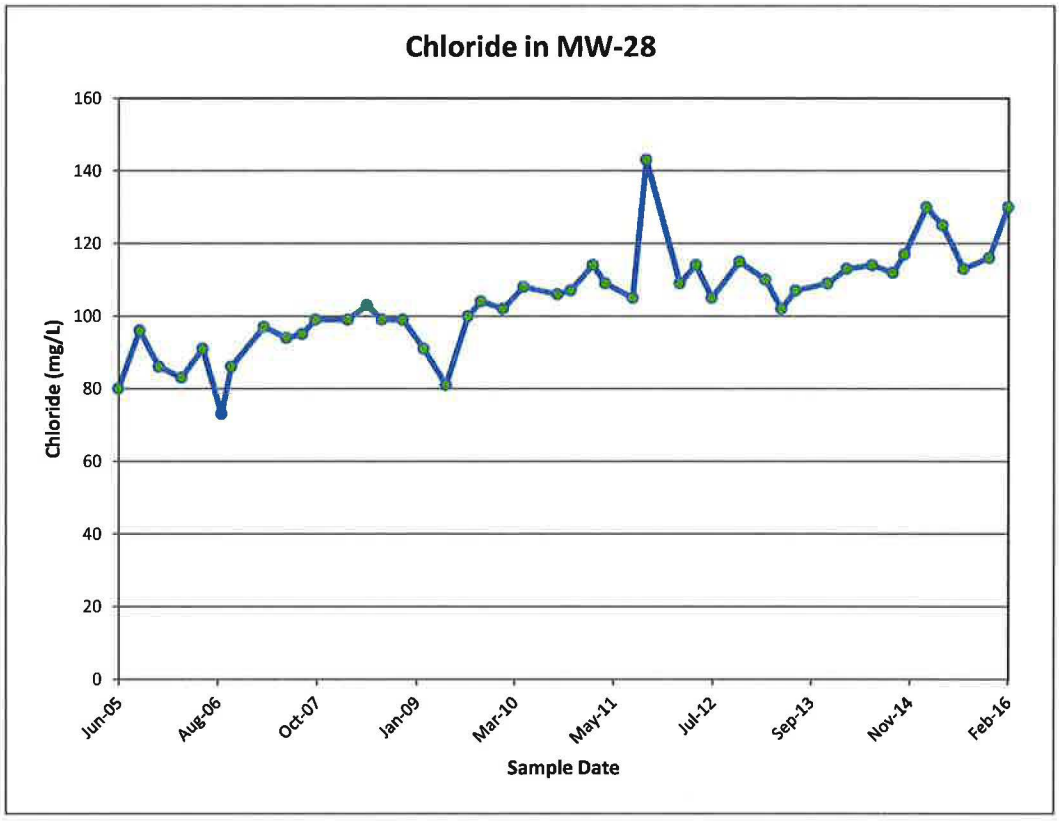


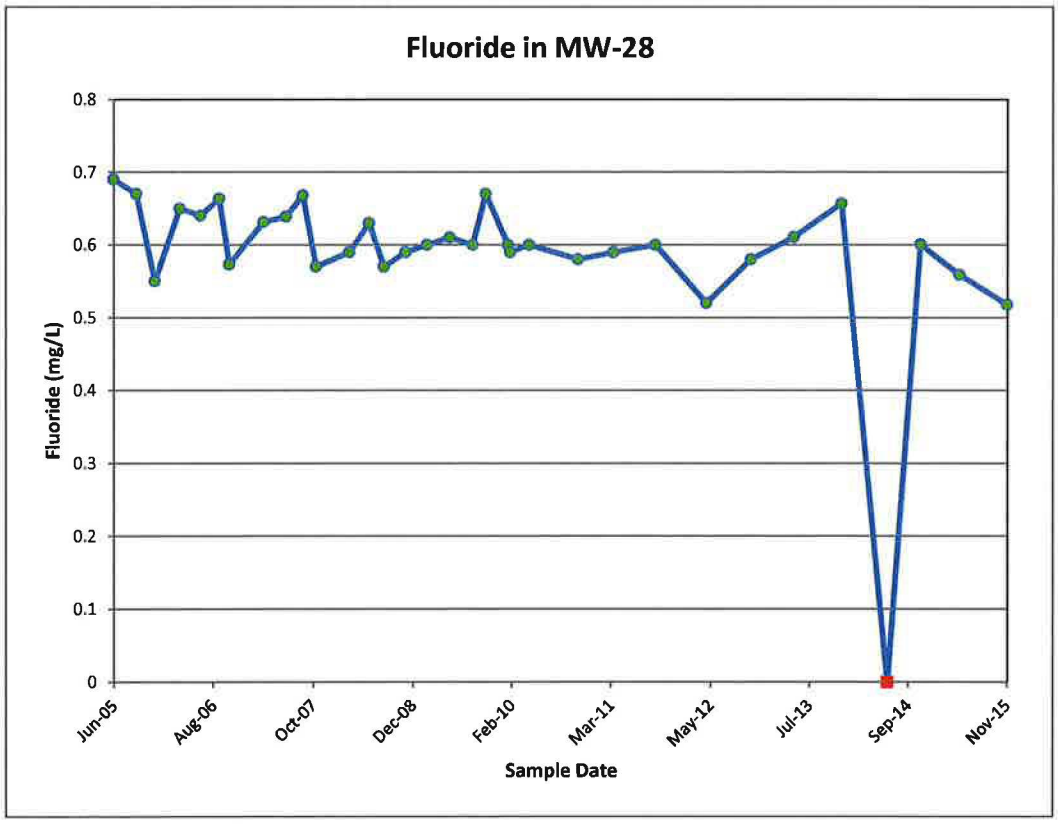


Detected Values

Non-Detected Values

Time concentration plots for MW-28

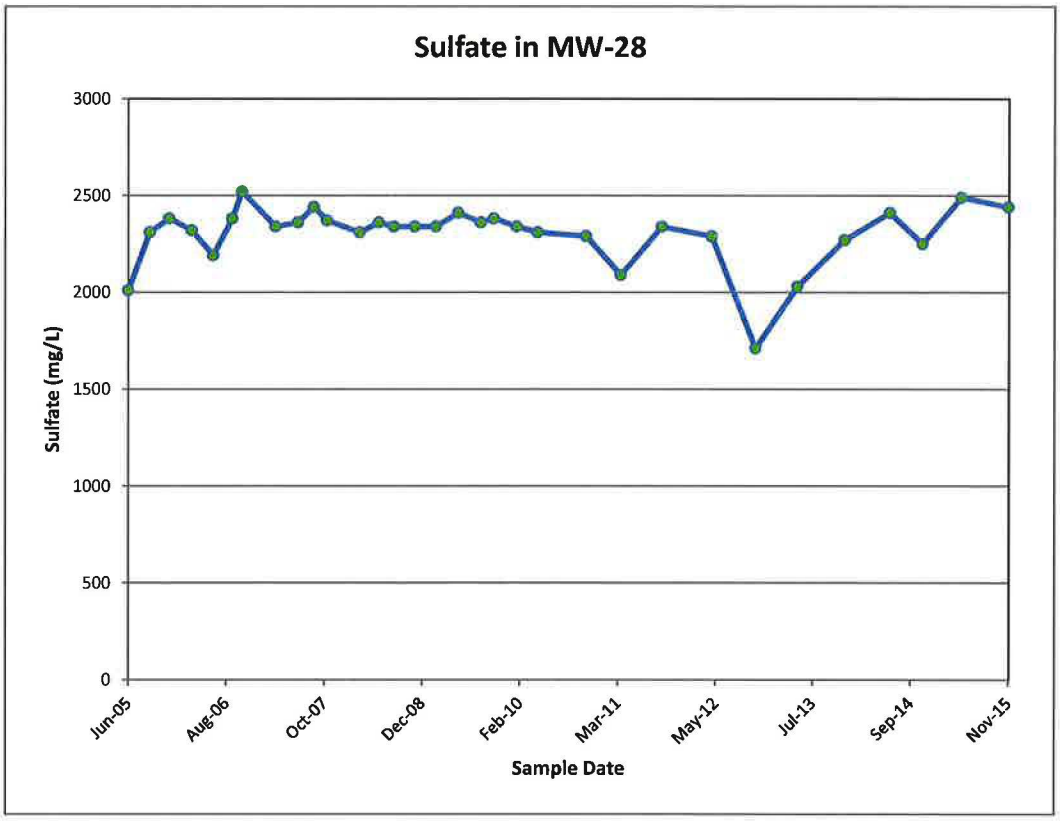


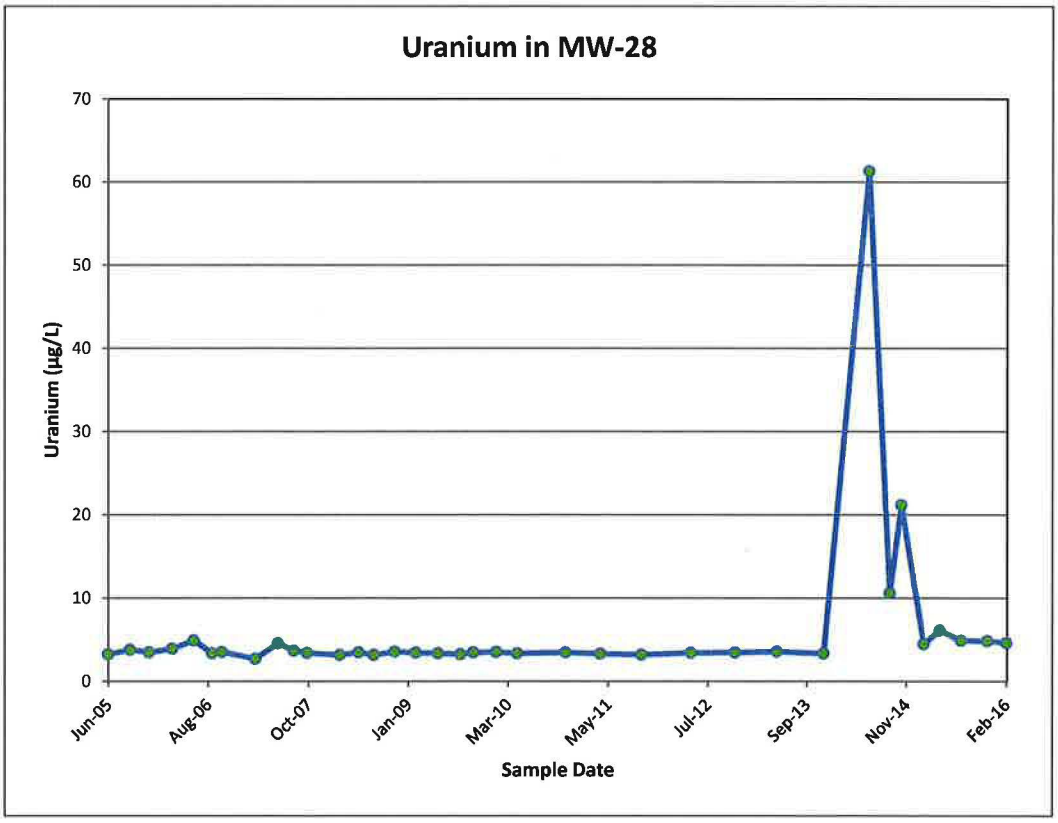


Detected Values

Non-Detected Values

Time concentration plots for MW-28

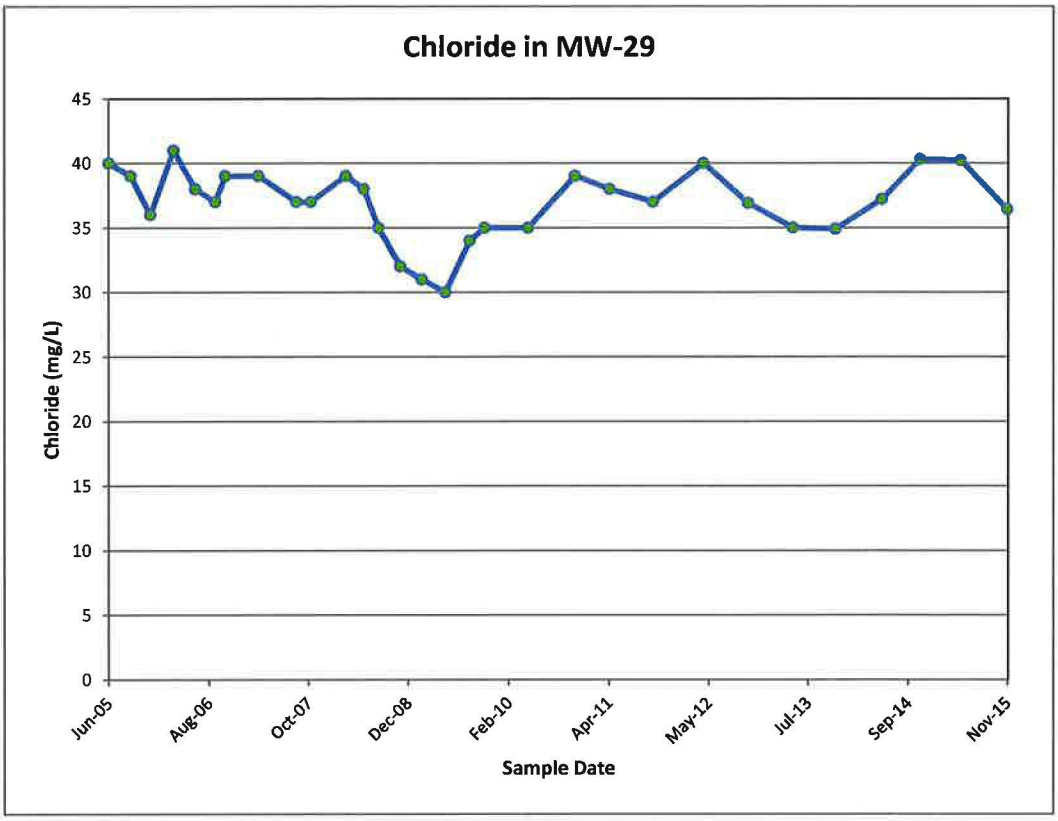


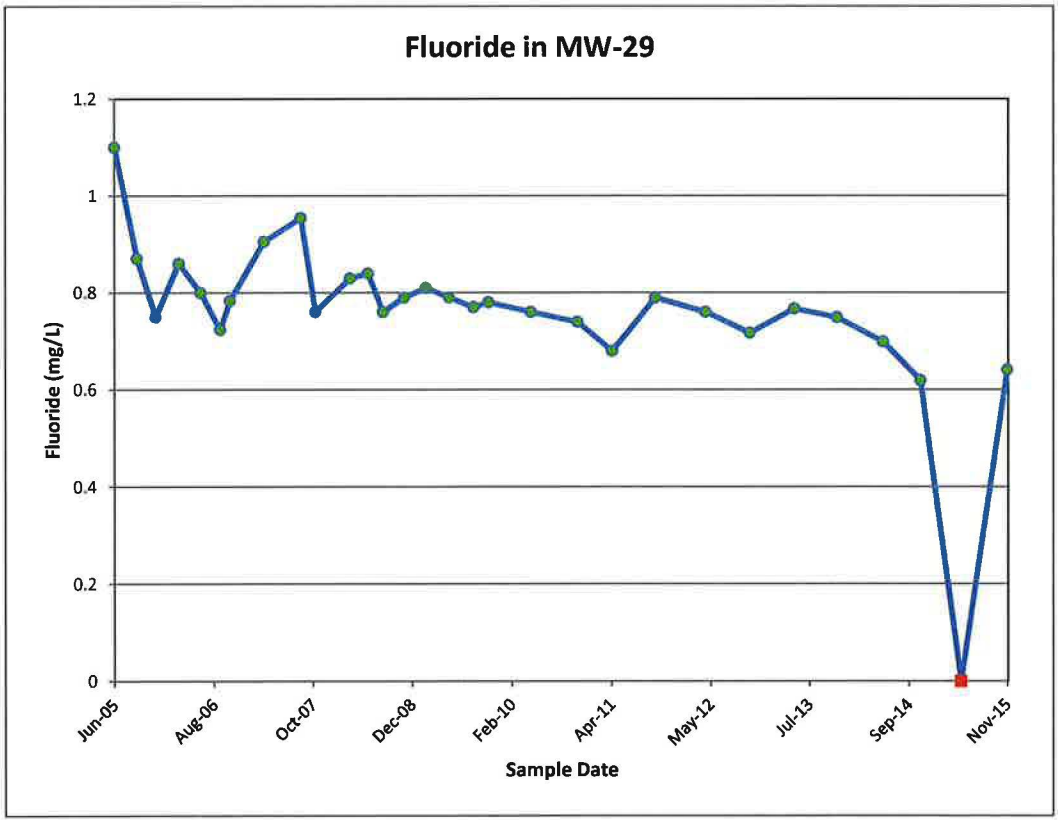


Detected Values

Non-Detected Values

Time concentration plots for MW-29

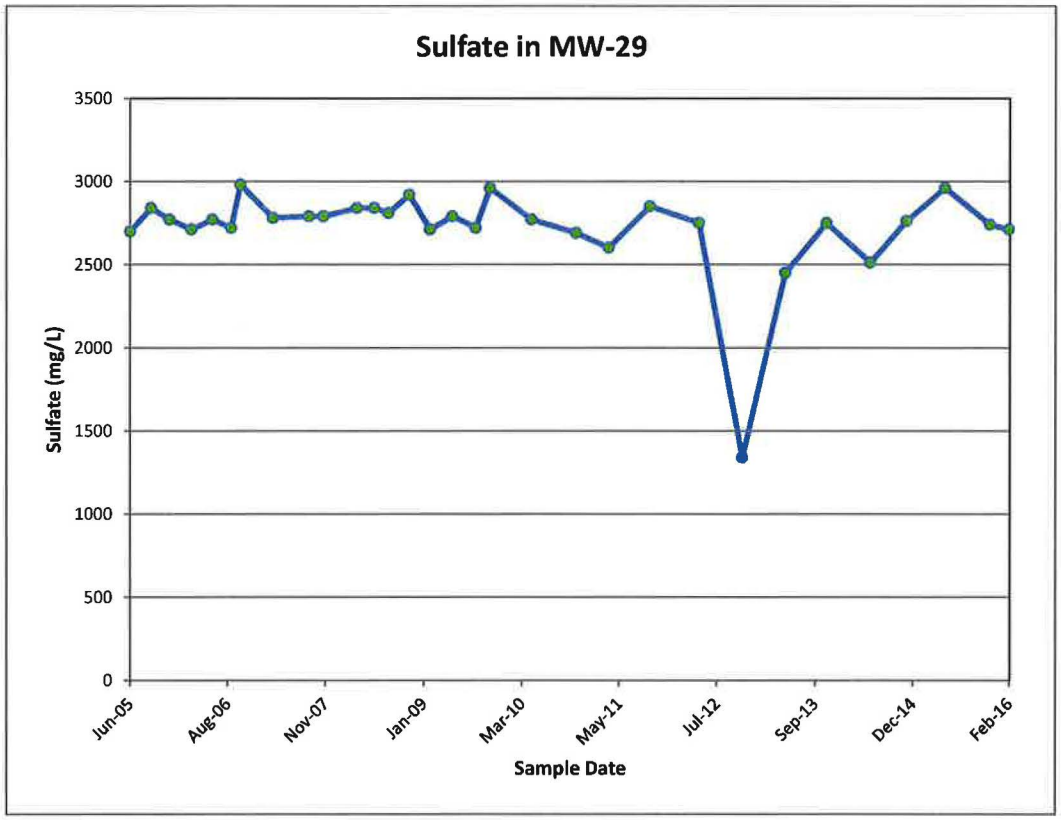


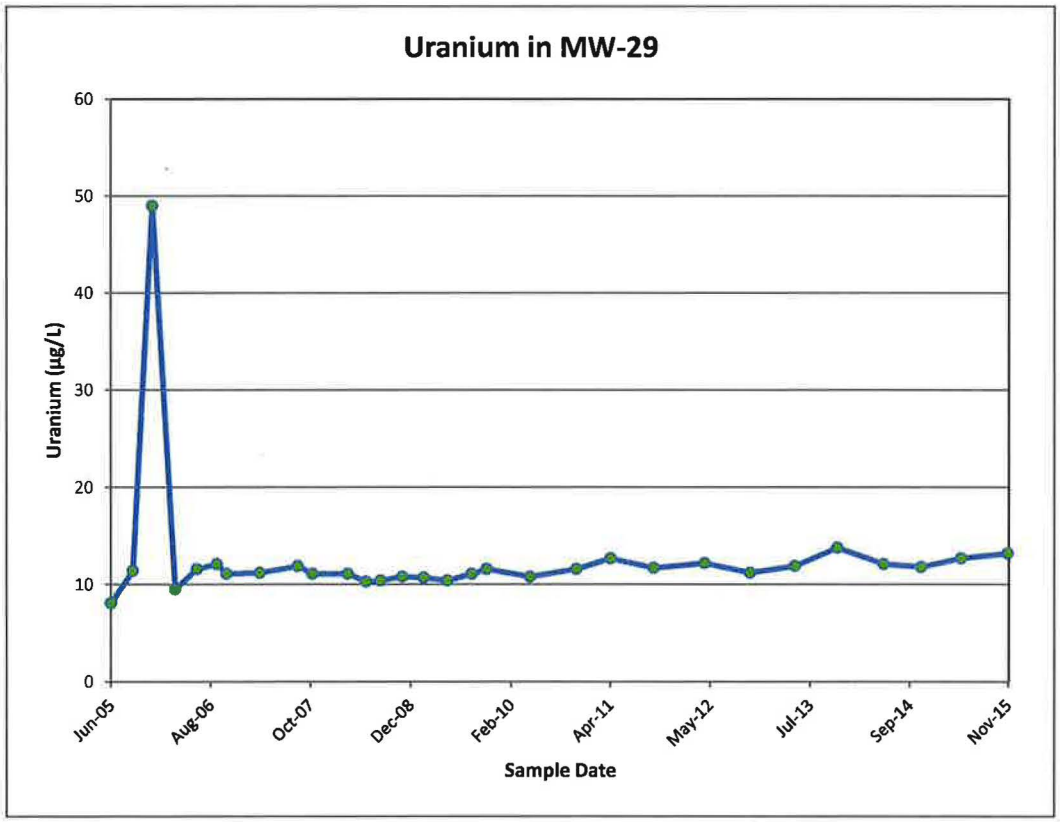


Detected Values

Non-Detected Values

Time concentration plots for MW-29

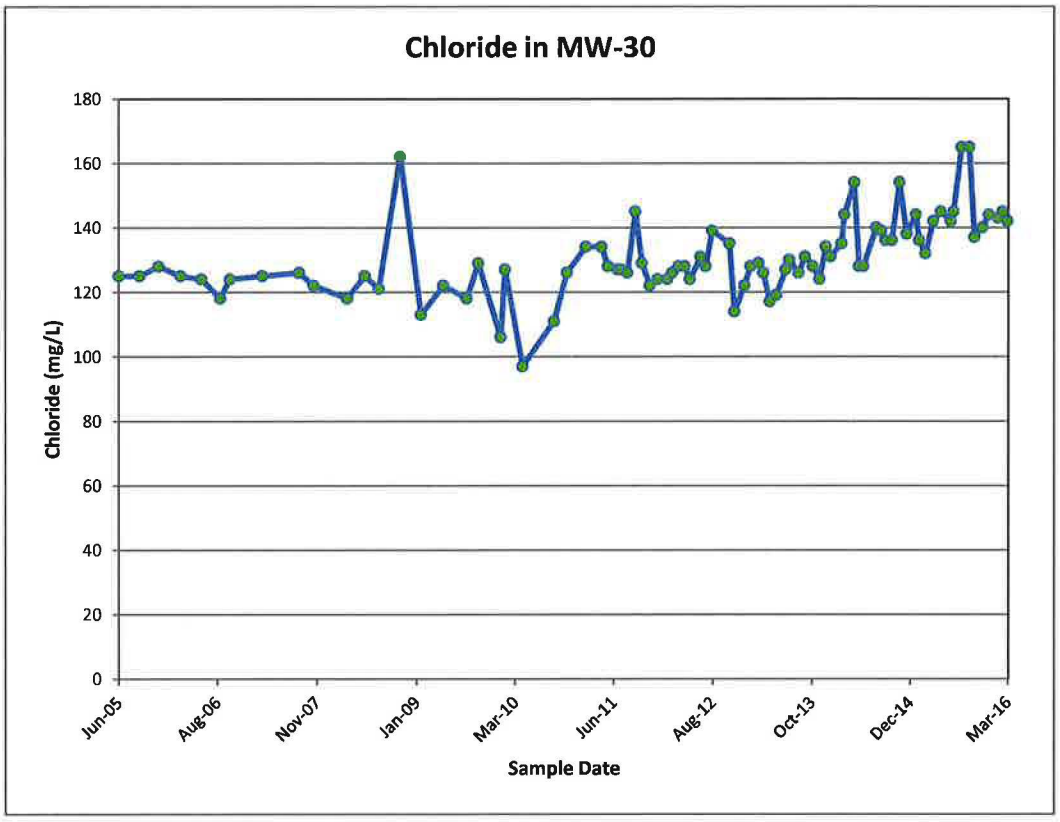


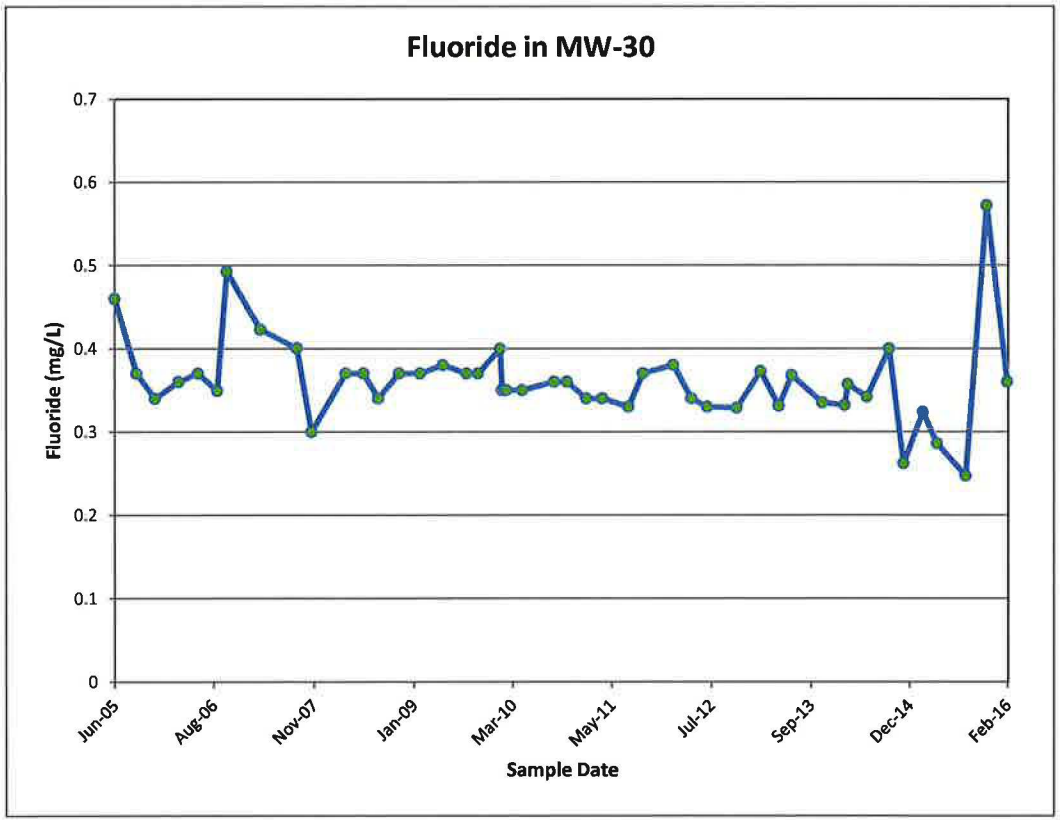


Detected Values

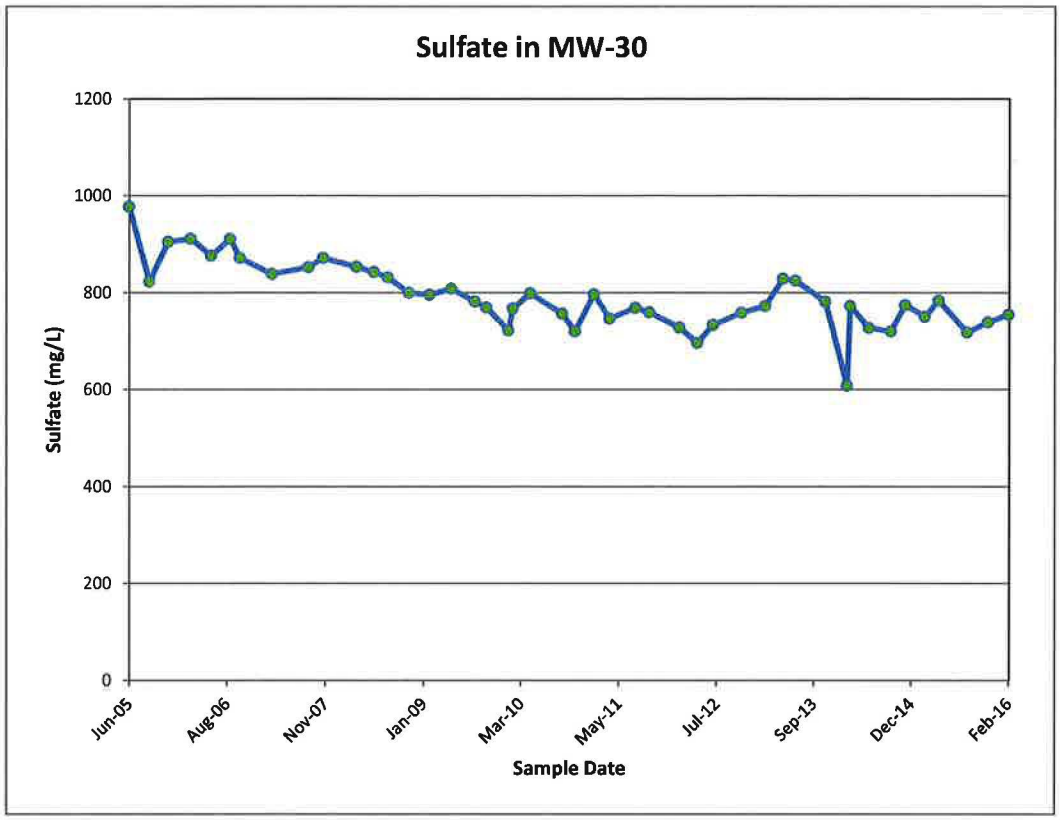
Non-Detected Values

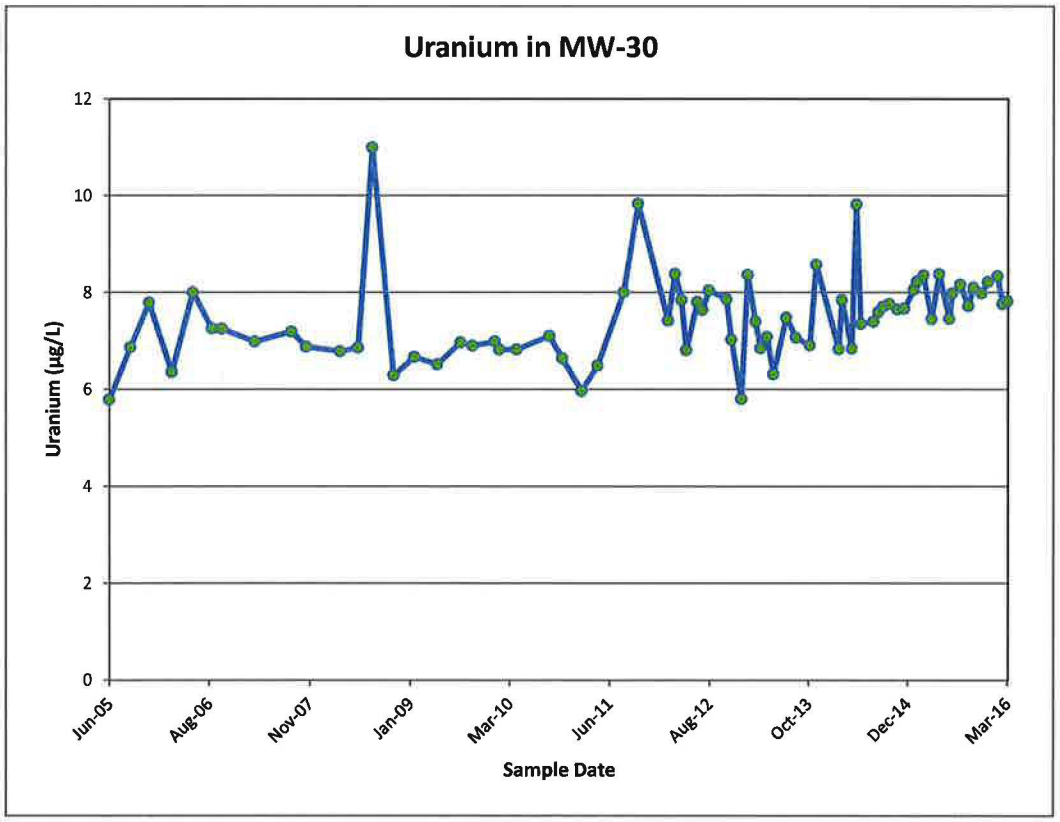
Time concentration plots for MW-30





Time concentration plots for MW-30

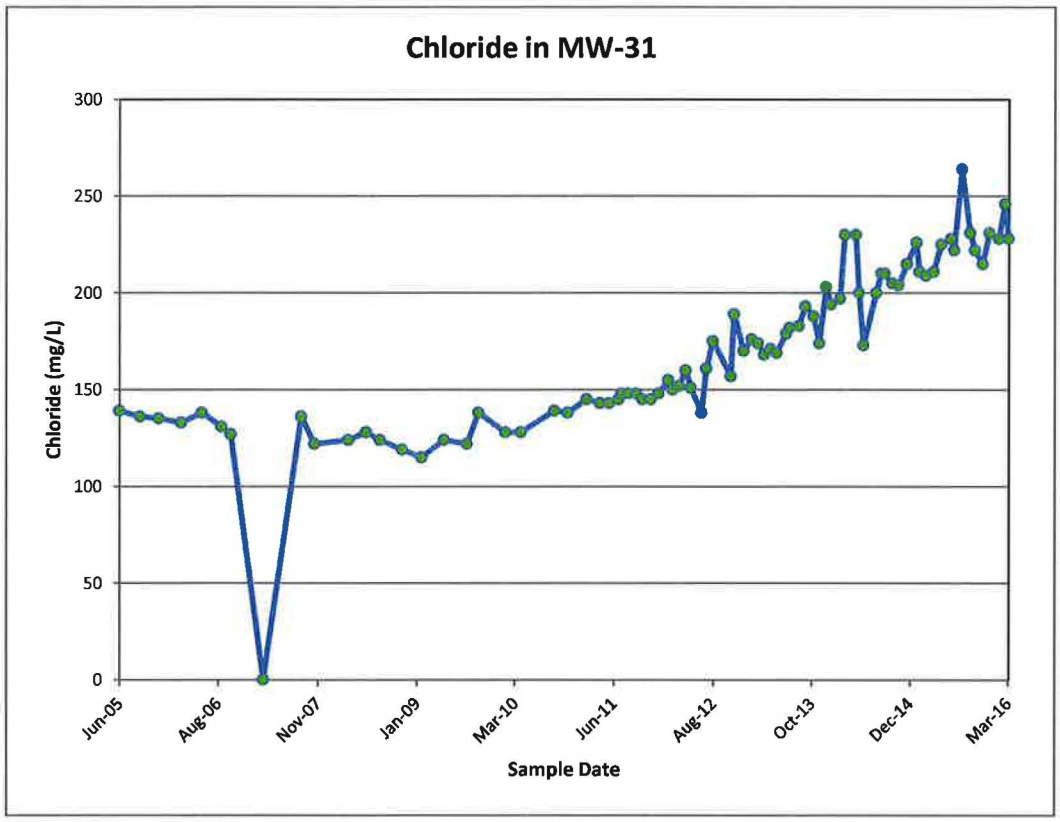


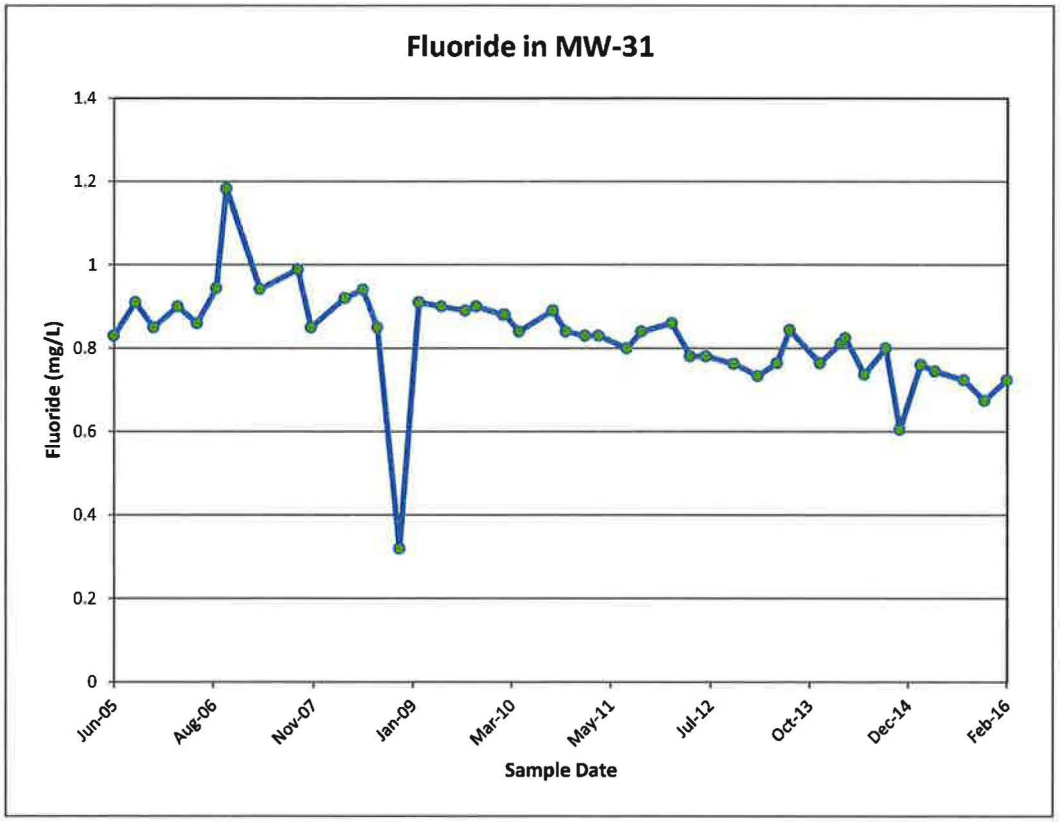


Detected Values

Non-Detected Values

Time concentration plots for MW-31

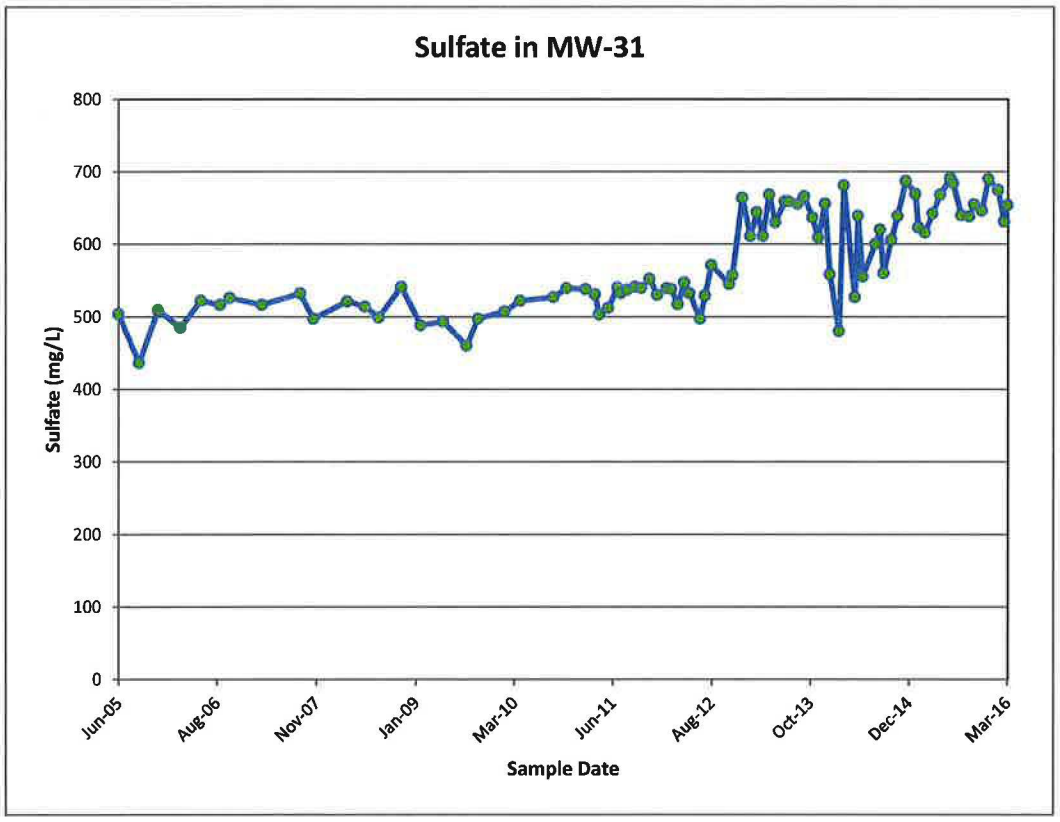


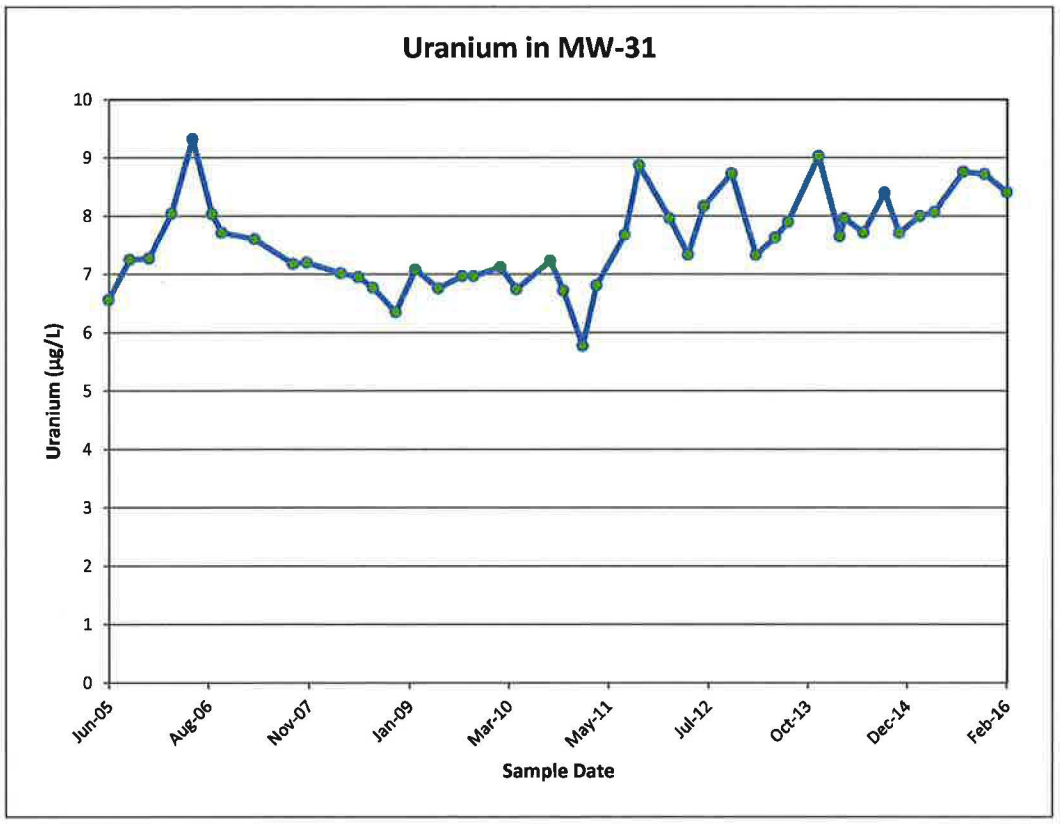


Detected Values

Non-Detected Values

Time concentration plots for MW-31

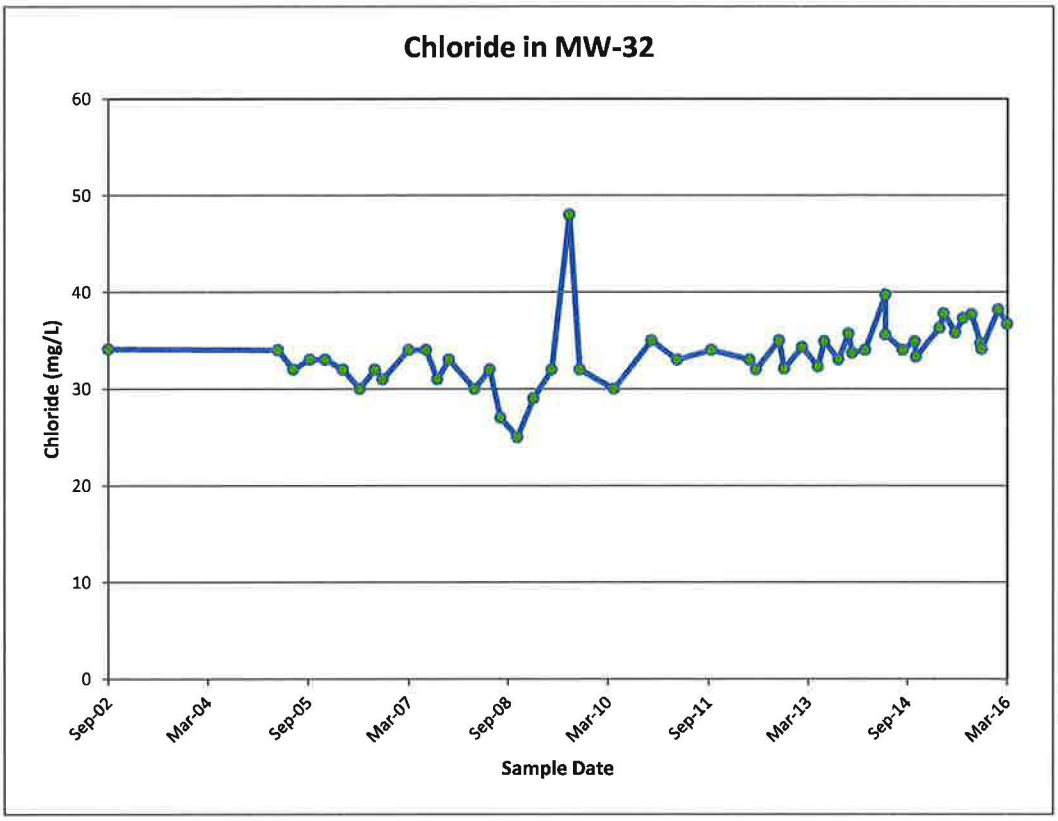


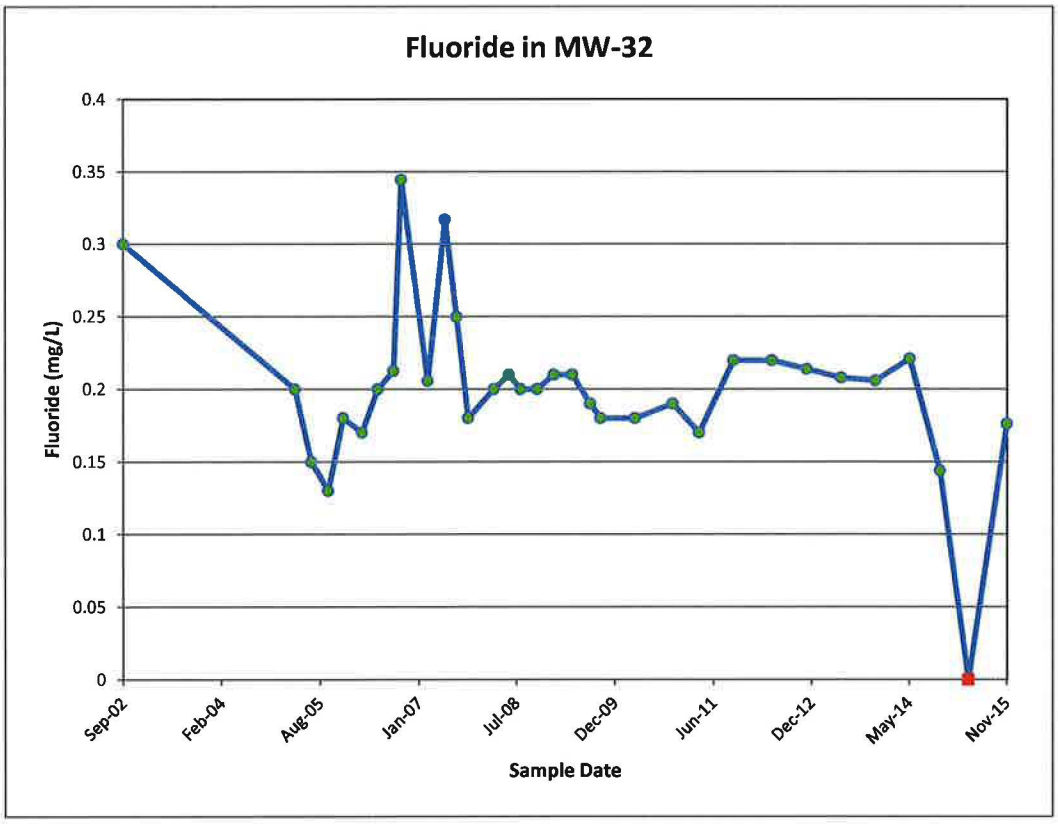


Detected Values

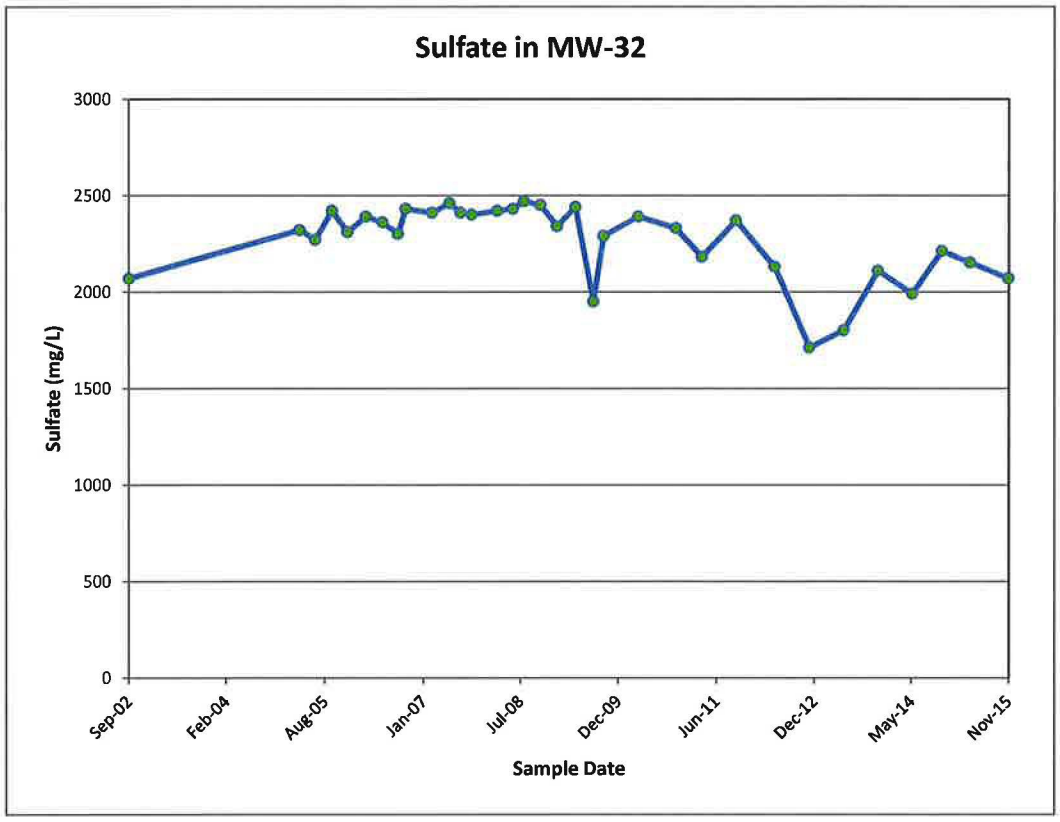
Non-Detected Values

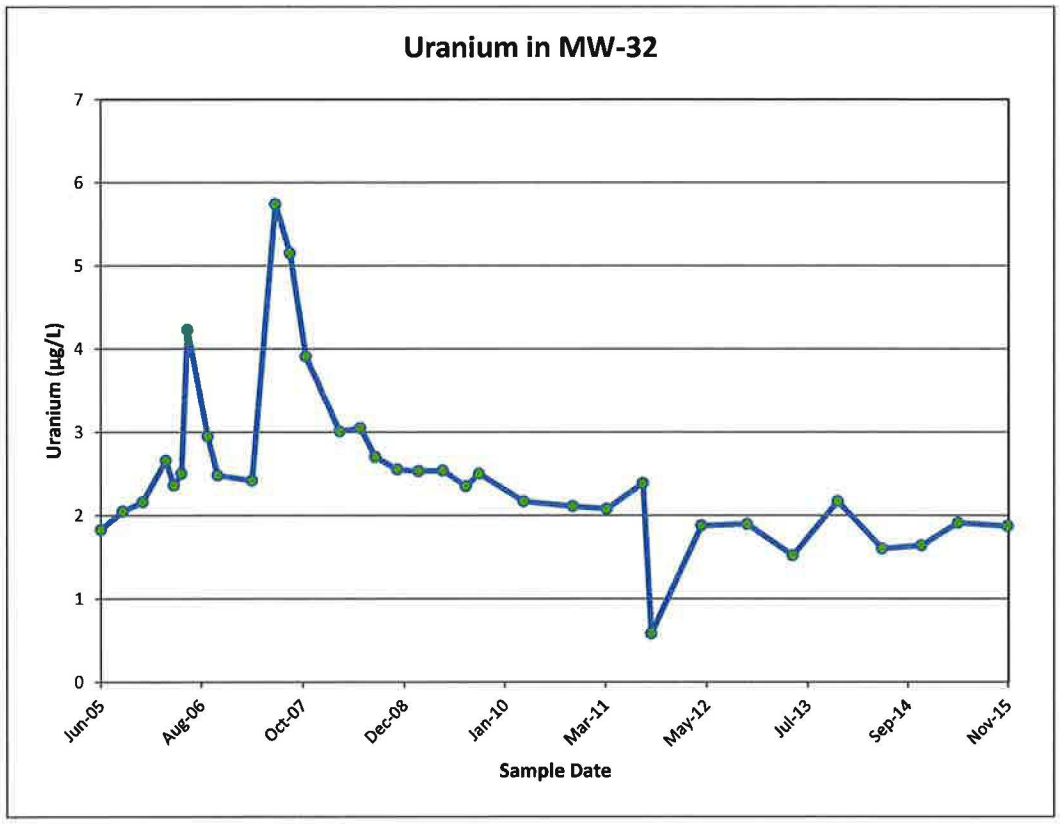
Time concentration plots for MW-32





Time concentration plots for MW-32





Detected Values

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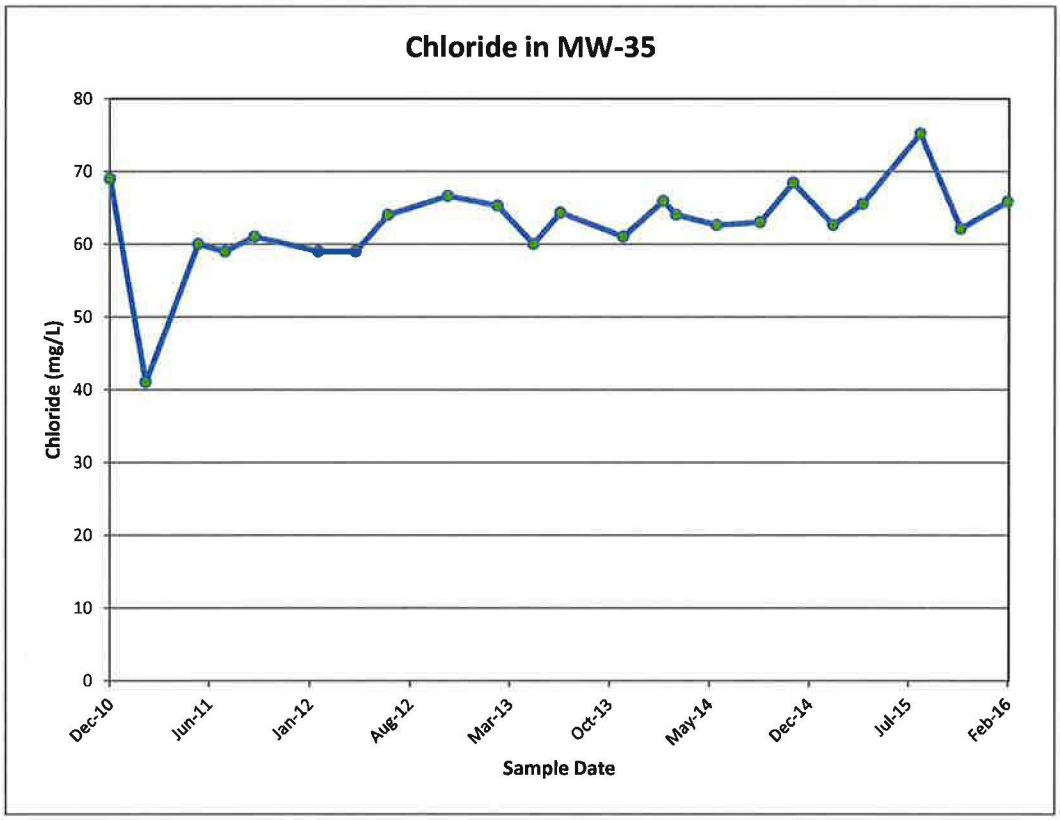
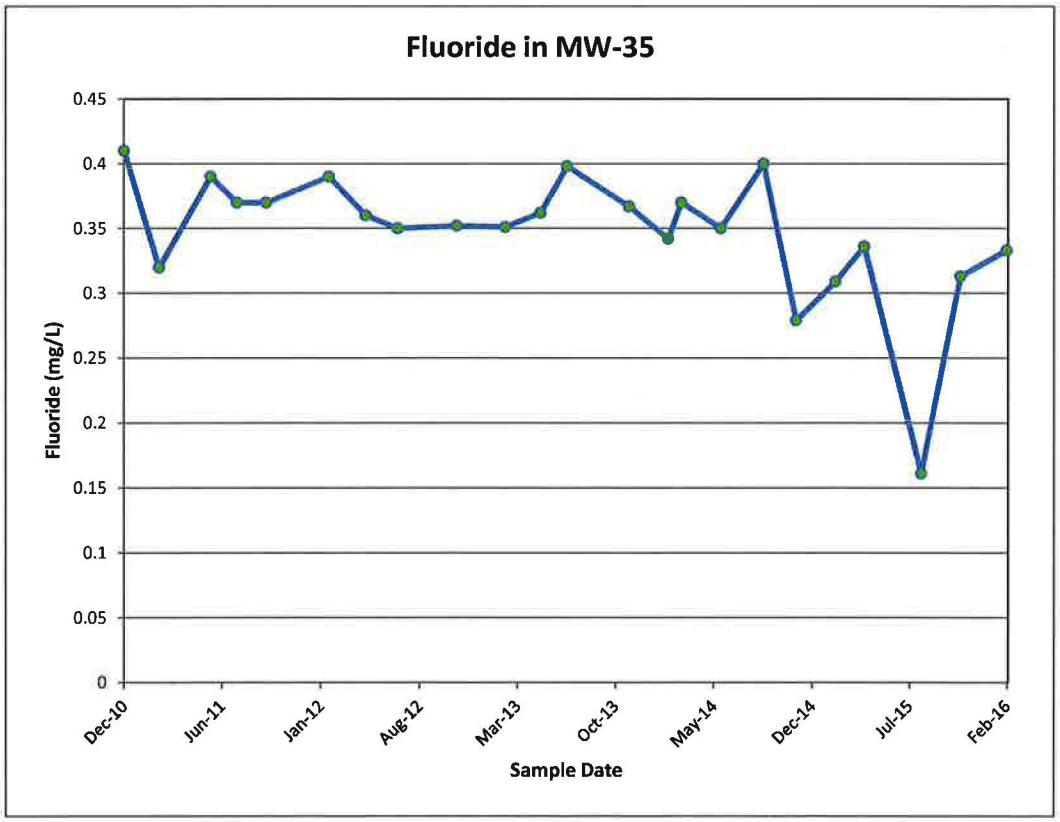
Time concentration plots for MW-35

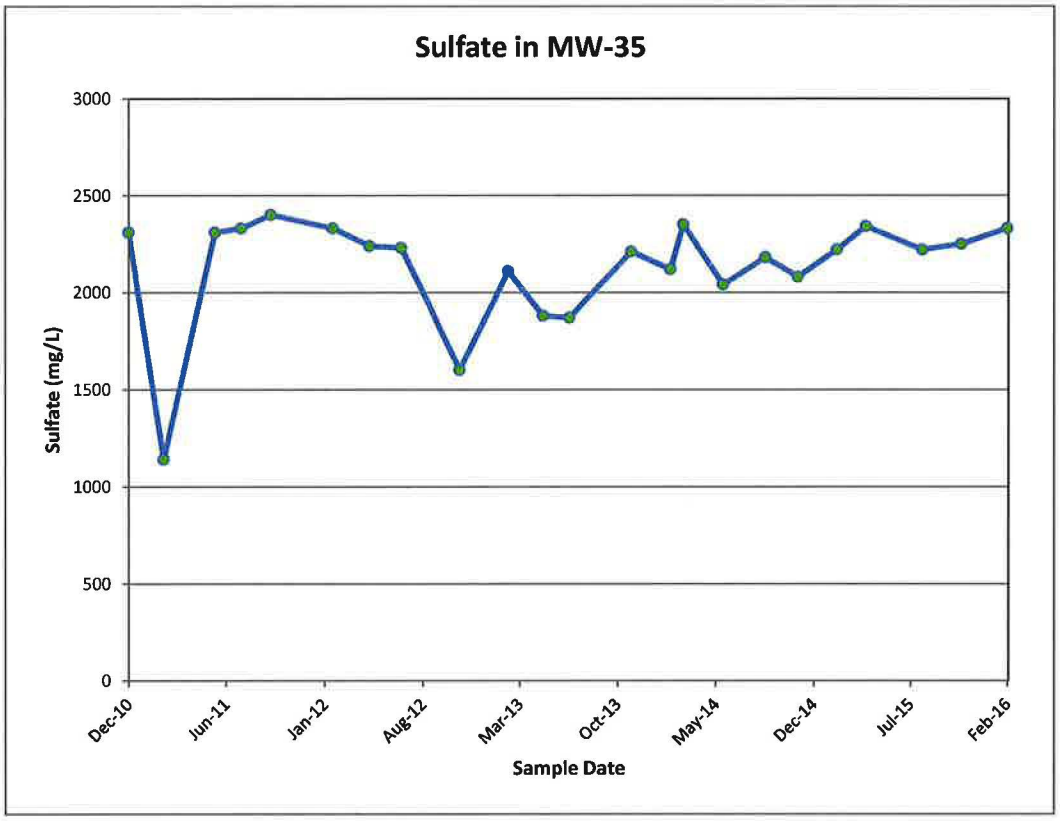


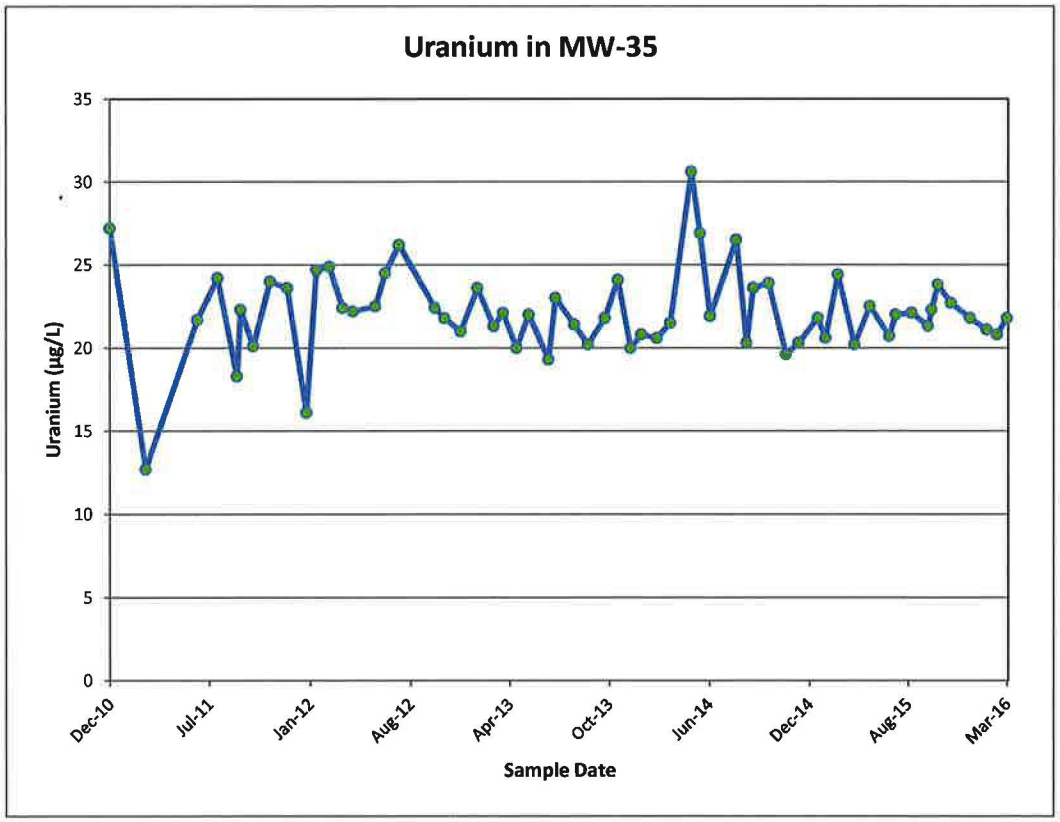


Detected Values

Non-Detected Values

Time concentration plots for MW-35

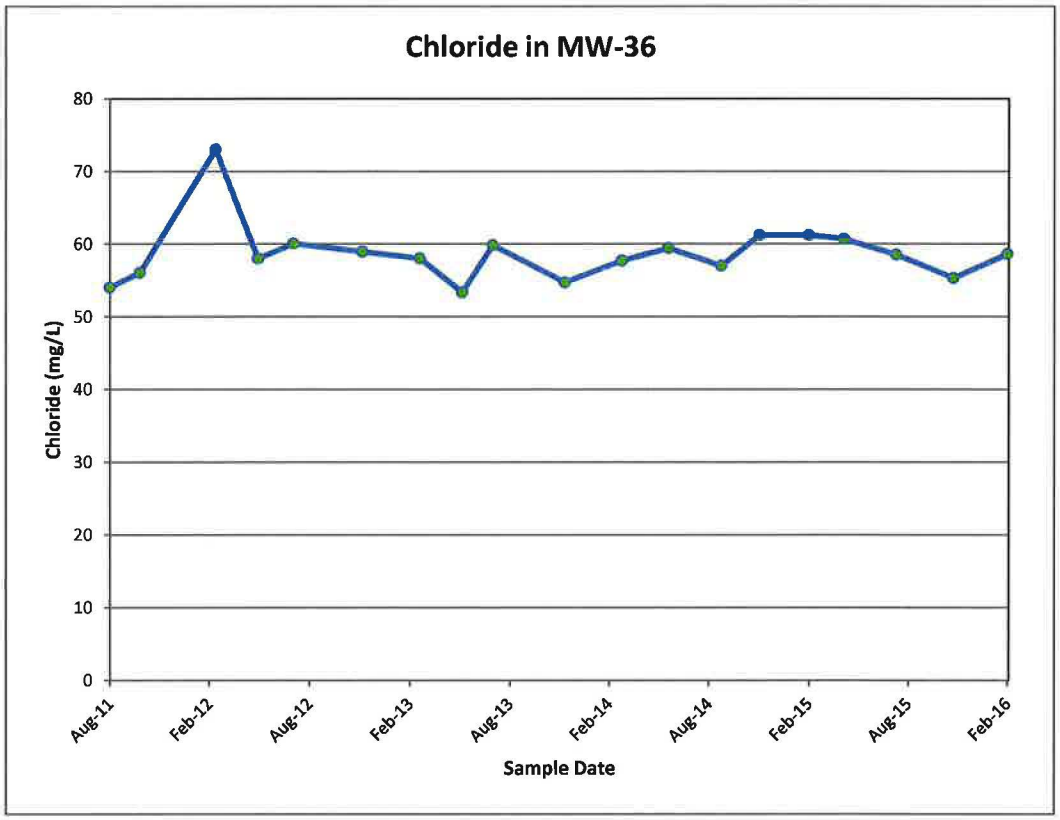


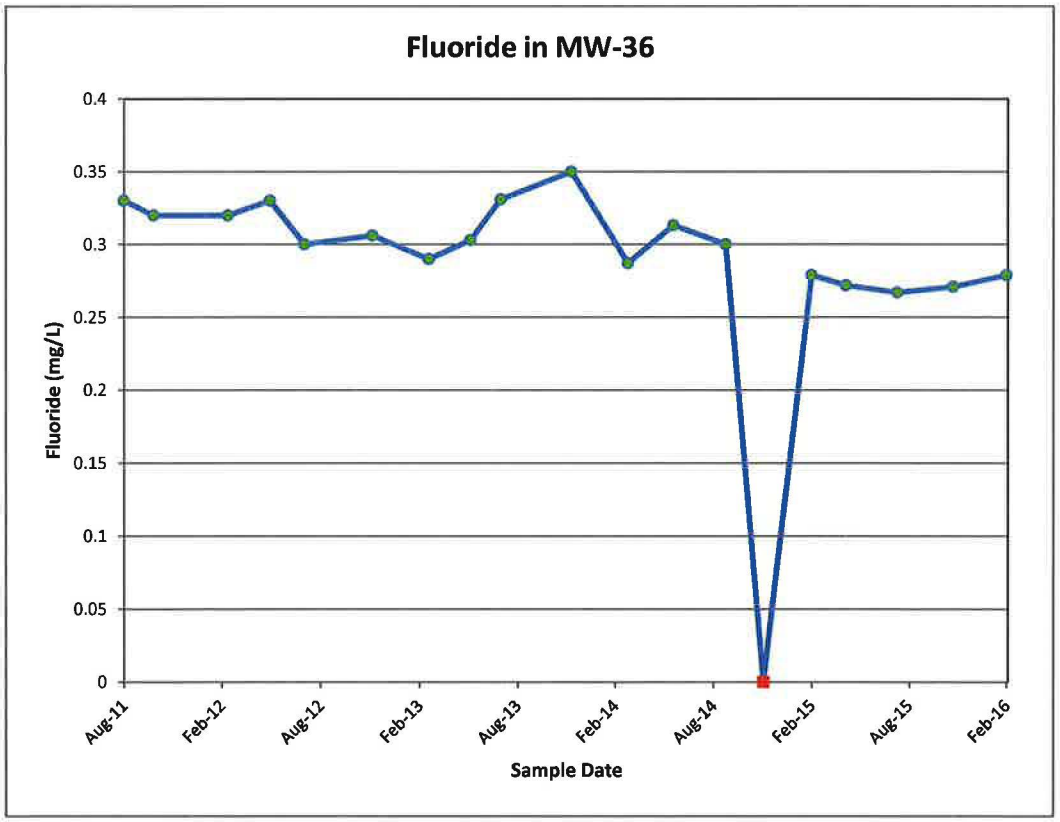


Detected Values

Non-Detected Values

Time concentration plots for MW-36

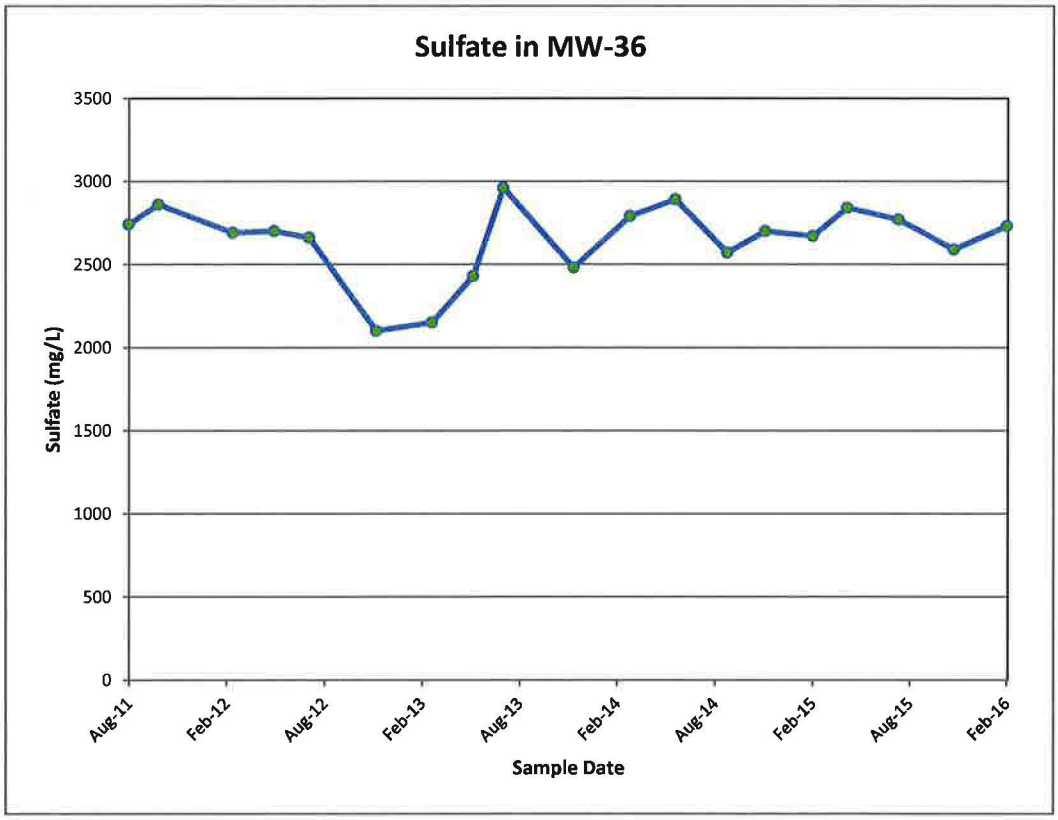


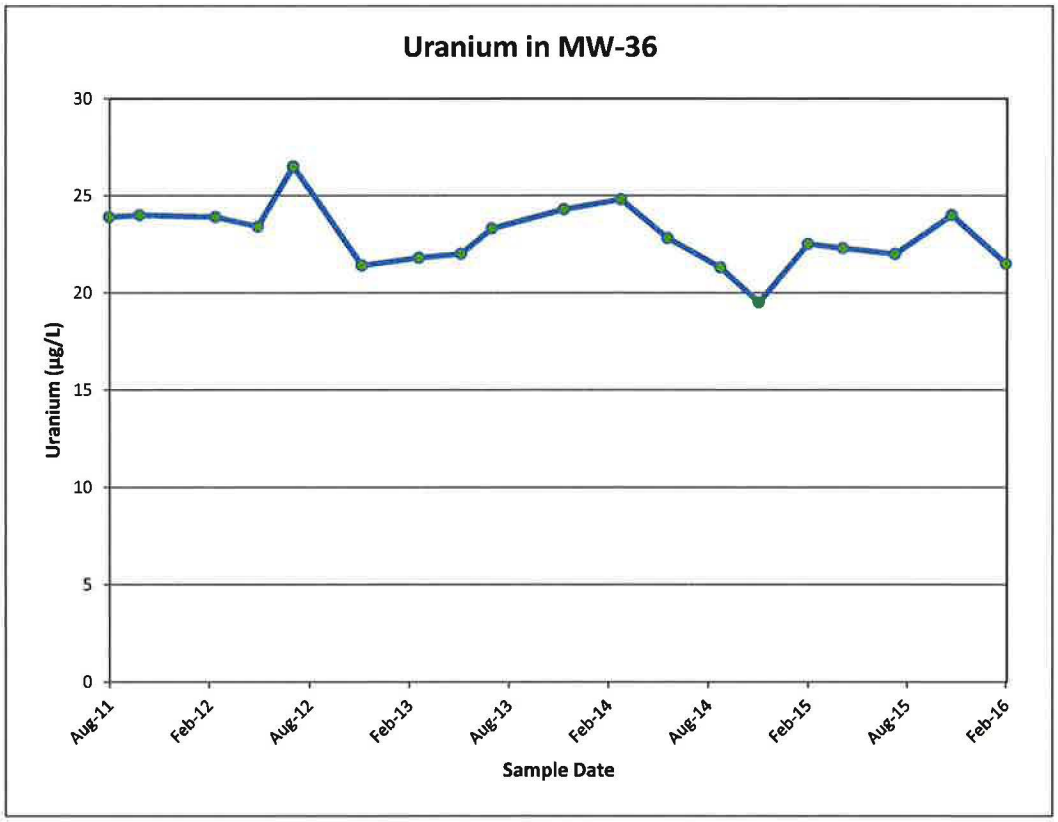


Detected Values

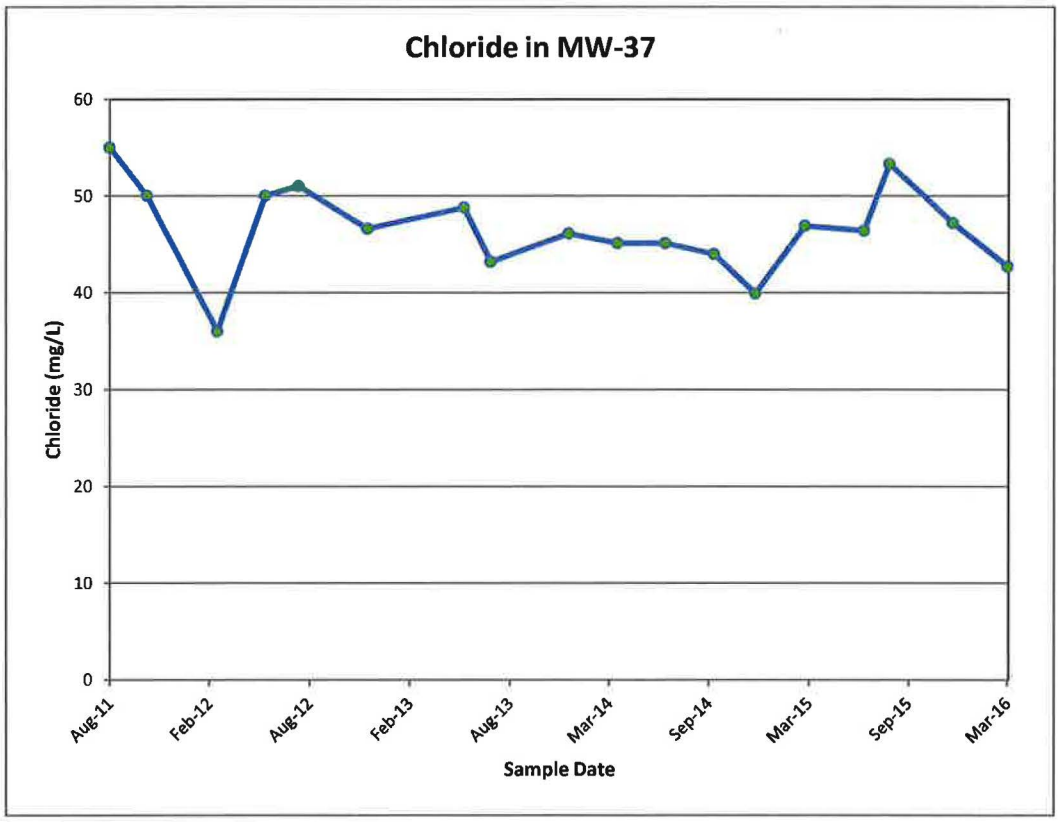
Non-Detected Values

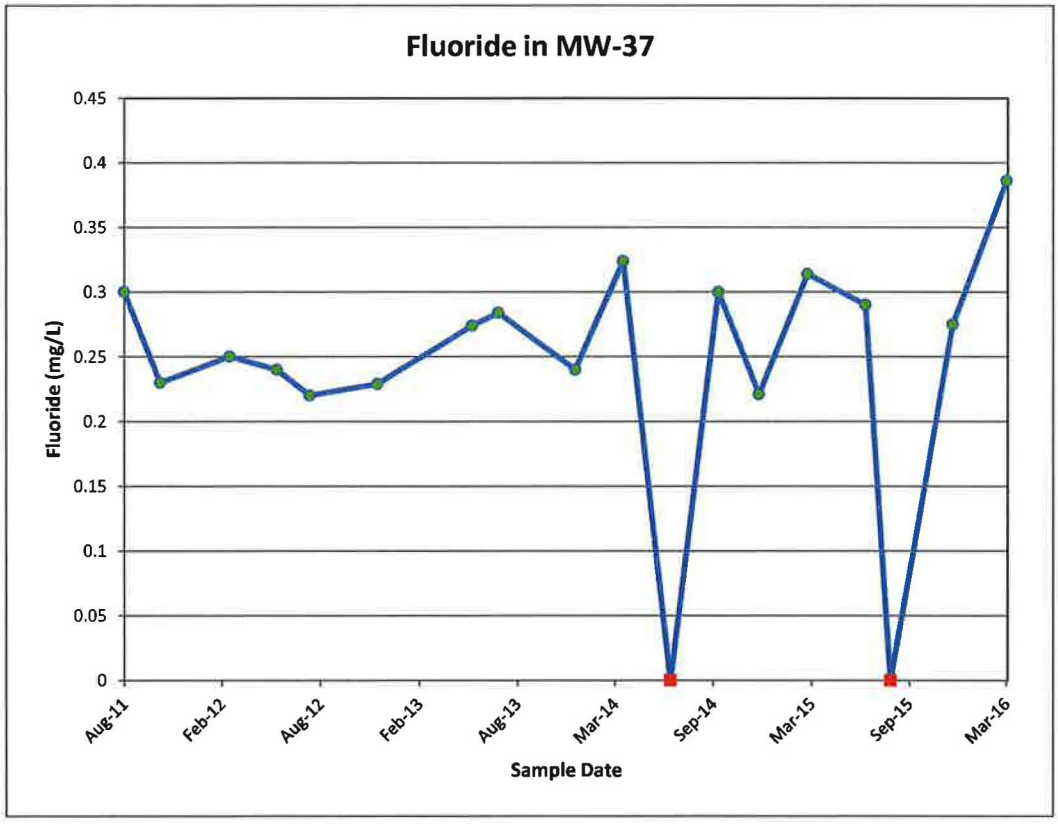
Time concentration plots for MW-36





Time concentration plots for MW-37

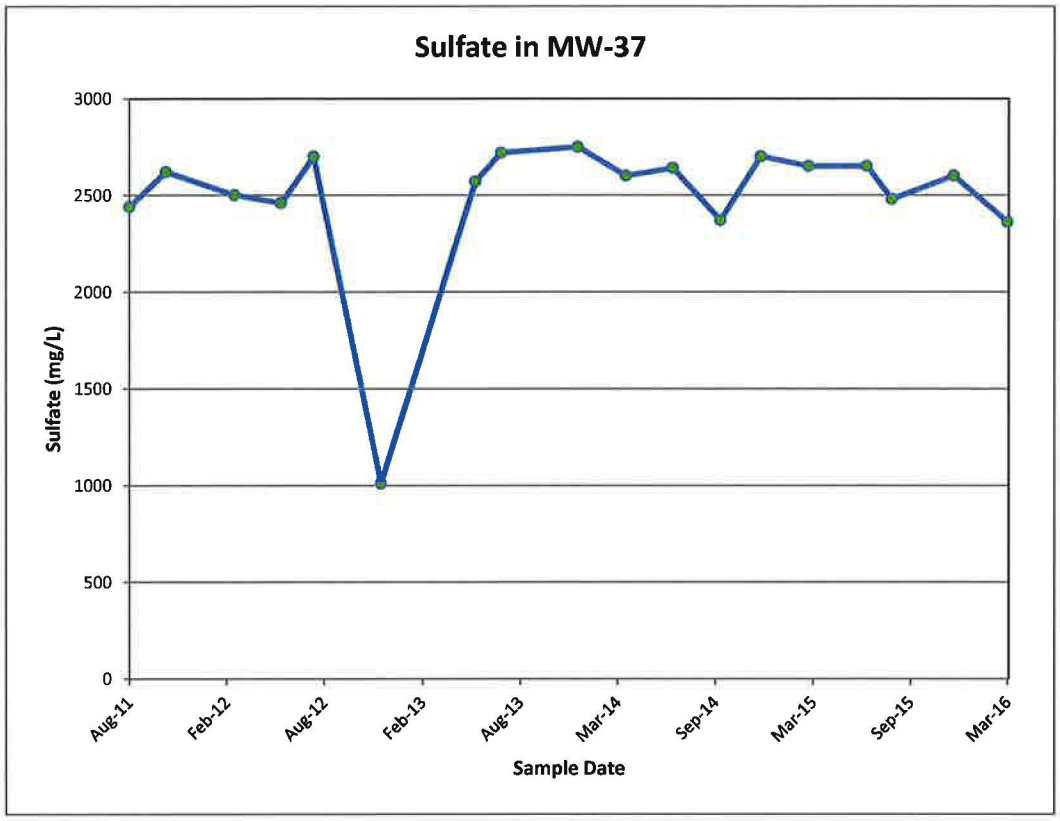


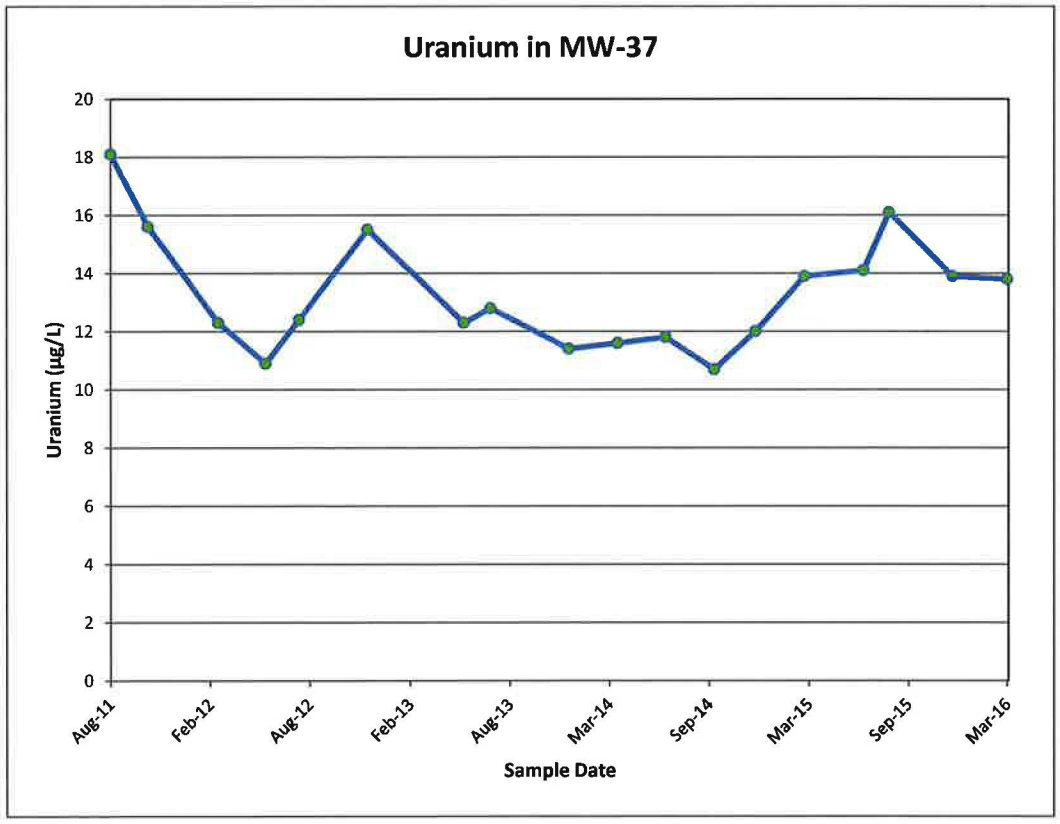


Detected Values

Non-Detected Values

Time concentration plots for MW-37





Detected Values

Non-Detected Values

Tab J

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Monday, May 16, 2016 10:34 AM
To: Goble, Phillip
Cc: Thomas Rushing; Harold Roberts; David Frydenlund; David Turk; Logan Shumway; Scott Bakken
Subject: Transmittal of CSV Files White Mesa Mill 2016 Q1 Groundwater Monitoring
Attachments: Q1 2016 GW.csv

Dear Mr. Goble,

Attached to this e-mail is an electronic copy of laboratory results for groundwater monitoring conducted at the White Mesa Mill during the first quarter of 2016, in Comma Separated Value (CSV) format.

Please contact me at 303-389-4134 if you have any questions on this transmittal.

Yours Truly

Kathy Weinel

Energy Fuels Resources (USA) Inc.

Kathy Weinel
Quality Assurance Manager

t: 303.389.4134 | f: 303.389.4125
225 Union Blvd., Suite 600
Lakewood, CO 80228

http://www.energyfuels.com

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