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

November 18, 2016

Sent VIA OVERNIGHT DELIVERY

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

Re: Transmittal of 3rd 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 3rd 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

3rd Quarter
(July through September)
2016

Prepared by:

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

November 18, 2016

TABLE OF CONTENTS

1.0 INTRODUCTION 1
2.0 GROUNDWATER MONITORING 1
2.1 Samples and Measurements Taken During the Quarter 1
2.1.1 Groundwater Compliance Monitoring 1
2.1.2 Accelerated Groundwater Monitoring 1
2.1.3 Background Well Monitoring 2
2.1.4 Parameters Analyzed 2
2.1.5 Groundwater Head Monitoring 2
2.2 Field Data 3
2.3 Laboratory Results - Quarterly Sampling 3
2.3.1 Copy of Laboratory Results 3
2.3.2 Regulatory Framework and Groundwater Background 3
2.4 Laboratory Results – Accelerated Monitoring 4
2.4.1 Copy of Laboratory Results 4
2.4.2 Regulatory Framework and Groundwater Background 4
2.4.3 Compliance Status 4
2.5 Depth to Groundwater and Water Table Contour Map 6
3.0 QUALITY ASSURANCE AND DATA VALIDATION 6
3.1 Field QC Samples 7
3.2 Adherence to Mill Sampling SOPs 7
3.3 Analyte Completeness Review 7
3.4 Data Validation 8
3.4.1 Field Data QA/QC Evaluation 8
3.4.2 Holding Time Evaluation 10
3.4.3 Receipt Temperature Evaluation 10
3.4.4 Analytical Method Checklist 10
3.4.5 Reporting Limit Evaluation 10
3.4.6 Trip Blank Evaluation 11
3.4.7 QA/QC Evaluation for Routine Sample Duplicates 11
3.4.8 Radiologics Counting Error and Duplicate Evaluation 11
3.4.9 Other Laboratory QA/QC 12
4.0 CORRECTIVE ACTION REPORT 14
4.1 Assessment of Previous Quarter's Corrective Actions 14
5.0 TIME CONCENTRATION PLOTS 14
6.0 ELECTRONIC DATA FILES AND FORMAT 14
7.0 SIGNATURE AND CERTIFICATION 15

LIST OF TABLES

Table 1 Summary of Well Sampling for the Period

Table 2 Exceedances and Acceleration Requirements

Table 3 GWCL Exceedances 2010 to Present

INDEX OF TABS

Tab A Site Plan and Perched Well Locations White Mesa Site

Tab B Field Data Worksheets Quarterly Sampling

Tab C Field Data Worksheets Accelerated Monitoring

Tab D Quarterly Depth to Water

Tab E Laboratory Analytical Reports – Quarterly Sampling

Tab F Laboratory Analytical Reports – Accelerated Monitoring

Tab G Quality Assurance and Data Validation Tables

G-1A/B	Field Data QA/QC Evaluation
G-2A/B	Holding Time Evaluation
G-3A/B	Laboratory Receipt Temperature Check
G-4A/B	Analytical Method Check
G-5A/B	Reporting Limit Evaluation
G-6A/B	Trip Blank Evaluation
G-7A/B	QA/QC Evaluation for Sample Duplicates
G-8A/B	Radiologics Counting Error
G-9A/B	Laboratory Matrix QC

Tab H Kriged Current Quarterly Groundwater Contour Map and Depth Data

Tab I Groundwater Time Concentration Plots

Tab J CSV Transmittal Letter

ACRONYM LIST

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

1.0 INTRODUCTION

This is the Routine Groundwater Monitoring Report, as required under Part I.F.1 of State of Utah Groundwater Discharge Permit No. UGW370004 (the "GWDP") for the third quarter of 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-3A, P-4 and P-5.

- Nitrate monitoring wells.

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

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

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

2.2 Field Data

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

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

2.3 Laboratory Results - Quarterly Sampling

2.3.1 Copy of Laboratory Results

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

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

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

2.3.2 Regulatory Framework and Groundwater Background

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

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

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

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

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

2.4 Laboratory Results – Accelerated Monitoring

2.4.1 Copy of Laboratory Results

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

2.4.2 Regulatory Framework and Groundwater Background

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

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

2.4.3 Compliance Status

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

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

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

2.4.3.1 MW-28

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

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

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

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

Two 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-03, 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-01, MW-05, MW-11, MW-12, MW-14, MW-18, MW-19, MW-25, MW-26, MW-27, MW-28, MW-29, MW-30, MW-31, MW-32, MW-35, and MW-36. Per the QAP, Revision 7.2, Attachment 2-3, turbidity measurements prior to sampling were within a 10% RPD for the quarterly and semi-annual wells.

- Turbidity measurements were less than 5 NTU for the accelerated sampling wells except MW-11, MW-14, MW-25, MW-26, MW-31, MW-35 in the July event and MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, MW-35 in the September event. Turbidity measurements prior to sampling were within a 10% RPD for the accelerated sampling wells.

The other field parameters (conductance, pH, redox potential, and temperature) for the

wells were within the required RPD for the quarterly, semi-annual and accelerated sampling.

During review of the field data sheets, it was observed that sampling personnel consistently recorded depth to water for the quarterly, semi-annual and accelerated sampling programs to the nearest 0.01 foot.

EFRI's letter to DWMRC of March 26, 2010 discusses further why turbidity does not appear to be an appropriate parameter for assessing well stabilization. In response to DWMRC's subsequent correspondence dated June 1, 2010 and June 24, 2010, EFRI has completed a monitoring well redevelopment program. The redevelopment report was submitted to DWMRC on September 30, 2011. DWMRC responded to the redevelopment report via letter on November 15, 2012. Per the DWMRC letter dated November 15, 2012, the field data generated this quarter are compliant with the turbidity requirements of the approved QAP.

3.4.2 Holding Time Evaluation

QAP Table 1 identifies the method holding times for each suite of parameters. Sample holding time checks are provided under Tab G. The samples were received and analyzed within the required holding time.

3.4.3 Receipt Temperature Evaluation

COC sheets were reviewed to confirm compliance with the QAP requirement in Table 1 that samples be received at 6°C or lower. Sample receipt temperature checks are provided under Tab G. The quarterly, semi-annual and accelerated samples were received within the required temperature limit.

As noted in Tab G, samples for gross alpha analyses were shipped without using ice. Per Table 1 in the approved QAP, samples submitted for gross alpha analyses do not have a sample temperature requirement.

3.4.4 Analytical Method Checklist

The analytical methods reported by both laboratories were checked against the required methods specified in the QAP. Analytical method check results are provided in Tab G. The review indicated that the quarterly, semi-annual and accelerated samples were analyzed in accordance with Table 1 of the QAP.

3.4.5 Reporting Limit Evaluation

The analytical method RLs reported by both laboratories were checked against the RLs specified in the QAP Table 1. RL evaluations are provided in Tab G. The analytes were measured and reported to the required RLs except that several sets of quarterly, semi-annual and accelerated sample results had the RL raised for at least one analyte due to

matrix interference and/or sample dilution as noted in Section 3.4.9. In all cases except as noted in Section 4.0 the reported value for the analyte was higher than the increased RL.

3.4.6 Trip Blank Evaluation

The trip blank results were reviewed to identify any VOC sample contamination which is the result of sample handling and shipment. Trip blank evaluations are provided in Tab G. The trip blank results associated with the quarterly, semi-annual and accelerated samples were all nondetect for VOCs.

3.4.7 QA/QC Evaluation for Routine Sample Duplicates

Section 9.1.4 a) of the QAP states that RPDs will be calculated for the comparison of duplicate and original field samples. The QAP acceptance limits for RPDs between the duplicate and original field sample is less than or equal to 20% unless the measured results are less than 5 times the detection limit. This standard is based on the EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, February 1994, 9240.1-05-01 as cited in the QAP. The RPDs are calculated for the duplicate pairs for all analytes regardless of whether or not the reported concentrations are greater than 5 times the required detection limits; however, data will be considered noncompliant only when the results are greater than 5 times the required detection limit and the RPD is greater than 20%. The additional duplicate information is provided for information purposes.

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

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

3.4.8 Radiologics Counting Error and Duplicate Evaluation

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

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

No corrective actions were identified during the current monitoring period

4.1 Assessment of Previous Quarter's Corrective Actions

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

5.0 TIME CONCENTRATION PLOTS

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

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

6.0 ELECTRONIC DATA FILES AND FORMAT

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

7.0 SIGNATURE AND CERTIFICATION

This document was prepared by Energy Fuels Resources (USA) Inc. on November 18, 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 Q3 2016

Well	Normal Frequency	Purpose for sampling this quarter	Sample Date	Date of Lab Report
MW-01	Semi-annually	Semi-annually	8/24/2016	(9/7/16)
MW-03	Semi-annually	Semi-annually	9/22/2016	(10/11/16) [10/17/16]
MW-03A	Semi-annually	Semi-annually	9/22/2016	(10/11/16)
MW-05	Semi-annually	Semi-annually	8/19/2016	(9/7/16)
MW-11	Quarterly	Quarterly	8/16/2016	(9/2/16) [9/20/16]
MW-12	Semi-annually	Semi-annually	8/19/2016	(9/7/16)
MW-14	Quarterly	Quarterly	8/17/2016	(9/2/16) [9/20/16]
MW-15	Semi-annually	Semi-annually	8/18/2016	(9/2/16)
MW-18	Semi-annually	Semi-annually	8/23/2016	(9/7/16)
MW-19	Semi-annually	Semi-annually	8/23/2016	(9/7/16)
MW-24	Semi-annually	Semi-annually	9/22/2016	(10/11/16)
MW-25	Quarterly	Quarterly	8/17/2016	(9/2/16) [9/20/16]
MW-26	Quarterly	Quarterly	8/18/2016	(9/2/16) [9/20/16]
MW-27	Semi-annually	Semi-annually	8/24/2016	(9/7/16) [9/28/16]
MW-28	Semi-annually	Semi-annually	9/1/2016	(9/19/16)
MW-29	Semi-annually	Semi-annually	9/1/2016	(9/19/16)
MW-30	Quarterly	Quarterly	8/18/2016	(9/2/16) [9/20/16]
MW-31	Quarterly	Quarterly	8/16/2016	(9/2/16) [9/20/16]
MW-32	Semi-annually	Semi-annually	8/17/2016	(9/2/16) [9/20/16]
MW-35	Quarterly	Background	8/16/2016	(9/2/16) [9/20/16]
MW-36	Quarterly	Background	8/17/2016	(9/2/16) [9/20/16]
MW-37	Quarterly	Background	9/21/2016	(10/11/16) [10/1716]
MW-65	1 per Batch	Duplicate of MW-30	8/18/2016	(9/2/16) [9/20/16]
MW-70	1 per Batch	Duplicate of MW-28	9/1/2016	(9/19/16)
Accelerated July Monthly				
MW-11	Monthly	Accelerated	7/13/2016	(8/3/16)
MW-14	Monthly	Accelerated	7/13/2016	N/A - Field pH measurement only
MW-25	Monthly	Accelerated	7/12/2016	(8/3/16)
MW-26	Monthly	Accelerated	7/14/2016	(8/3/16)
MW-30	Monthly	Accelerated	7/13/2016	(8/3/16)
MW-31	Monthly	Accelerated	7/12/2016	(8/3/16)
MW-35	Monthly	Accelerated	7/12/2016	(8/3/16) [8/11/16]
MW-65	Monthly	Duplicate of MW-35	7/12/2016	(8/3/16)
Accelerated September Monthly				
MW-11	Monthly	Accelerated	9/14/2016	(10/3/16)
MW-14	Monthly	Accelerated	9/14/2016	N/A - Field pH measurement only
MW-25	Monthly	Accelerated	9/13/2016	(10/3/16)
MW-26	Monthly	Accelerated	9/15/2016	(10/3/16)
MW-30	Monthly	Accelerated	9/14/2016	(10/3/16)
MW-31	Monthly	Accelerated	9/13/2016	(10/3/16)
MW-35	Monthly	Accelerated	9/13/2016	(10/3/16) [10/14/16]
MW-65	1 per Batch	Duplicate of MW-30	9/14/2016	(10/3/16)

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
	Fluoride (mg/L)	0.51	0.572	Quarterly	Monthly	Q4 2015	March 2016
	Uranium (ug/L)	8.32	8.57	Quarterly	Monthly	Q4 2013	March 2014
	Selenium (ug/L)	34	35.3	Quarterly	Monthly	Q2 2010	July 2010
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	21.7	Quarterly	Monthly	Q1 2010	May 2010
	TDS (mg/L)	1320	1330	Quarterly	Monthly	Q3 2010	January 2011
	Sulfate (mg/L)	532	539	Quarterly	Monthly	Q4 2010	March 2011
	Selenium (ug/L)	71	74	Quarterly	Monthly	Q3 2012	December 2012
	Uranium (ug/L)	9.1	9.41	Quarterly	Monthly	Q3 2016	December 2016
	Field pH (S.U.)	6.5 - 8.5	6.45	Quarterly	Monthly	February 2014	June 2014
	Chloride (mg/L)	143	145	Quarterly	Monthly	Q1 2011	May 2011
MW-35 (Class II)	Uranium (ug/L)	7.5	21.7	Quarterly	Monthly	Q3 2011	July 2011
	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
	Tetrahydrofuran (ug/L)	23	36.1	Semi-Annually	Quarterly	Q2 2016	Q3 2016
	Manganese (ug/L)	4233	4560	Semi-Annually	Quarterly	Q2 2016	Q3 2016
	Thallium (ug/L)	1.6	1.61	Semi-Annually	Quarterly	Q4 2015	Q3 2016
	Nickel (ug/L)	100	113	Semi-Annually	Quarterly	Q3 2016	Well to be abandoned
	Zinc (ug/L)	173.19	238 (373)	Semi-Annually	Quarterly	Q2 2015	Q1 2016
	Fluoride (mg/L)	0.68	0.71	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-3A (Class III)	Field pH (S.U.)	6.5 - 8.5	6.23 (6.24)	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Sulfate (mg/L)	3640	3680	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Selenium (ug/L)	89	94.8	Semi-Annually	Quarterly	Q4 2010	Q1 2011
MW-5 (Class II)	Uranium (ug/L)	7.5	11.6	Semi-Annually	Quarterly	Q4 2010	Q1 2011
MW-12 (Class III)	Field pH (S.U.)	6.5 - 8.5	6.13	Semi-Annually	Quarterly	Q1 2014	Q2 2014
	Selenium (ug/L)	25	33.3	Semi-Annually	Quarterly	Q4 2014	Q3 2015
MW-15 (Class III)	Selenium (ug/L)	128.7	152	Semi-Annually	Quarterly	Q2 2012	Q3 2012
	Field pH (S.U.)	6.62 - 8.5	6.61	Semi-Annually	Quarterly	Q4 2013	Q2 2014
MW-18 (Class III)	Thallium (ug/L)	1.95	3.73	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Sulfate (mg/L)	1938.9	1950	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Field pH (S.U.)	6.25 - 8.5	6.16	Semi-Annually	Quarterly	Q1 2014	Q2 2014
	TDS (mg/L)	3198.77	3280	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-19 (Class III)	Nitrate + Nitrite (as N) (mg/L)	2.83	4	Semi-Annually	Quarterly	Q4 2011	Q1 2012
	Field pH (S.U.)	6.78-8.5	6.61 (6.66)	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-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 Q2 2016 sampling event.

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 November 8, 2016, these constituents will be returned to the routine sample frequency.

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

		Q1 2010 Results			Q2 2010 Results						Q3 2010 Results						Q4 2010 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	Q1 2010 Sample Date	Q1 2010 Result	Q2 2010 Sample Date	Q2 2010 Result	May 2010 Monthly Sample Date	May 2010 Monthly Result	June 2010 Monthly Sample Date	June 2010 Monthly Result	July 2010 Monthly Sample Date	July 2010 Monthly Result	August 2010 Monthly Sample Date	August 2010 Monthly Result	Q3 2010 Sample Date	Q3 2010 Result	October 2010 Monthly Sample Date	October 2010 Monthly Result	Q4 2010 Sample Date	Q4 2010 Result	December 2010 Monthly Sample Date	December 2010 Monthly Result
Required Quarterly Sampling Wells																						
MW-11 (Class II)	Manganese (ug/L)	131.29	2/10/2010	***134***	4/28/2010	***137***	5/24/2010	122	6/16/2010	99	7/20/2010	123	8/25/2010	138	9/8/2010	128	10/20/2010	***141***	11/11/2010	***133***	12/15/10	***158***
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	2/2/2010	***6.45***	4/21/2010	***6.29***	5/21/2010	***6.36***	6/16/2010	***6.45***	7/20/2010	7.19	8/25/2010	***6.48***	9/8/2010	6.51	10/20/2010	6.60	11/10/2010	***6.37***	12/15/2010	***6.47***
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	2/3/2010	6.53	4/28/2010	7.2	NS	NA	NS	NA	NS	NA	NS	NA	9/8/2010	6.58	NS	NA	11/10/2010	***6.36***	NS	NA
	Chloride (mg/L)	35		31		31		NA		NA		NA		NA		31		NA		31		NA
	Cadmium (ug/L)	1.5		1.26		1.44		NA		NA		NA		NA		1.4		NA		1.26		NA
	Uranium (ug/L)	6.5		5.93		6.43		NA		NA		NA		NA		***6.57***		NA		5.89		NA
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	2/2/2010	***1.3***	4/22/2010	***2***	5/21/2010	0.3	6/16/2010	0.4	7/21/2010	0.6	8/16/2010	0.6	9/26/2010	***0.7***	10/20/2010	0.4	11/15/2010	0.2	12/15/2010	0.4
	Uranium (ug/L)	41.8		***58.7***		***66.7***		37.4		36.6		34.4		***71.8***		***72.7***		37.5		30.4		29.6
	Chloroform (ug/L)	70		***700***		***1700***		***800***		***940***		***900***		***2800***		***2100***		***1000***		***1900***		***1400***
	Chloride (mg/L)	58.31		***72***		57		***80***		47		52		49		***64***		52		48		52
	Field pH (S.U.)	6.74 - 8.5		***6.59***		7.18		***6.36***		6.98		***6.45***		***6.39***		***6.60***		***6.61***		***6.49***		***6.45***
	Methylene Chloride (ug/L)	5		1		***9.9***		NR		2.2		***12***		***24***		***45***		***5.5***		***16***		1.2
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	2/9/2010	***16.1***	4/27/2010	***15.8***	5/21/2010	***17***	6/15/2010	***15.3***	7/21/2010	***16***	8/24/2010	***16***	9/14/2010 9/21/2010	***15***	10/19/2010	***15***	11/9/2010	***15***	12/14/2010	***16***
	Chloride (mg/L)	128		127		97		NA		NA	NS	NA	NS	NA		111		NA		126		NA
	Uranium (ug/L)	8.32		6.82		6.82		NA		NA	NS	NA	NS	NA		7.10		NA		6.64		NA
	Field pH (S.U.)	6.5 - 8.5		6.81		6.55		6.62		7.47	7/21/2010 7/27/2010	6.80 (6.82)	8/24/2010	6.73		6.80 (6.84)		6.77		6.75		6.65
	Fluoride (mg/L)	0.51		0.35		0.35		NA		NA	NS	NA	NS	NA		0.36		NA		0.36		NA
	Selenium (ug/L)	34		32		***35.3***		NA		NA	7/27/2010	33.5	8/24/2010	***35.6***		32.6		32.4		32.2		30.5
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	2/9/2010	***21.7***	4/20/2010	***22.5***	5/21/2010	***23***	6/15/2010	***21.1***	7/21/2010	***20***	8/24/2010	***22***	9/13/2010 (9/21/10)	***21***	10/19/2010	***20***	11/9/2010	***20***	12/14/2010	***20***
	TDS (mg/L)	1320		1150		1220	NS	NA	NS	NA	NS	NA	NS	NA		***1330***	NS	NA		1320		NS
	Chloride (mg/L)	143		128		128	NS	NA	NS	NA	NS	NA	NS	NA		139	NS	NA		138		NS
	Selenium (ug/L)	71		60.8		59.6	NS	NA	NS	NA	NS	NA	NS	NA		64.4	NS	NA		60		NS
	Field pH (S.U.)	6.5 - 8.5		6.96		7.38	5/21/2010	6.95	6/15/2010	7.01	7/21/2010	7.80	8/24/2010	7.10		7.66 (7.13)	10/19/2010	6.92		6.98		6.95
	Uranium (ug/L)	9.1		7.12		6.74	NS	NA	NS	NA	NS	NA	NS	NA		7.23	NS	NA		6.72		NS
	Sulfate (mg/L)	532		507		522	NS	NA	NS	NA	NS	NA	NS	NA		527	NS	NA		***539***		NS
MW-35 (Class II)	Manganese (ug/L)	200	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/30/2010	***698***	NS	NA
	Thallium (ug/l)	0.5		NA		NA		NA		NA		NA		NA		NA		NA		***1.14***		NA
	Gross Alpha minus Rn & U (pCi/L)	3.75		NA		NA		NA		NA		NA		NA		NA		NA		2.6		NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		NA		NA		NA		NA		NA		NA		7.46		NA
	Selenium (ug/L)	12.5		NA		NA		NA		NA		NA		NA		NA		NA		ND		NA
	Uranium (ug/L)	7.5		NA		NA		NA		NA		NA		NA		NA		NA		***27.2***		NA
Required Semi-Annual Sampling Wells																						
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	5/5/2010	18	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/8/2010	15	NS	NA
	Field pH (S.U.)	6.77 - 8.5		NA		7.86 (6.87)		NA		NA		NA		NA		NA		NA		6.96		NA
	Sulfate (mg/L)	838		NA		805		NA		NA		NA		NA		NA		NA		792		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	5/3/2010	***37.2***	NS	NA	NS	NA	NS	NA	NS	NA	9/20/2010	35.5	NS	NA	11/19/2010	***38.8***	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		***6.14 (6.25)***		NA		NA		NA		NA		***6.39***		NA		***6.35***		NA
	Beryllium (ug/L)	2		NA		<0.5		NA		NA		NA		NA		NA		NA		<0.5		NA
	Cadmium (ug/L)	4.67		NA		0.78		NA		NA		NA		NA		NA		NA		0.63		NA
	Zinc (ug/L)	173.19		NA		96		NA		NA		NA		NA		NA		NA		40		NA
	Thallium (ug/l)	1.6		NA		1.31		NA		NA		NA		NA		NA		NA		1.34		NA
	Sulfate (mg/L)	3663		NA		3490		NA		NA		NA		NA		NA		NA		3430		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		0.3		NA		NA		NA		NA		NA		NA		0.4		NA
	Tetrahydrofuran (ug/L)	23		NA		1		NA		NA		NA		NA		NA		NA		1		NA
	Nickel (ug/L)	100		NA		<20		NA		NA		NA		NA		NA		NA		<20		NA
	Manganese (ug/L)	4233		NA		168		NA		NA		NA		NA		NA		NA		143		NA
	Fluoride (Mg/L)	0.68		NA		***0.71***		NA		NA		NA		NA		0.63		NA		***0.77***		NA
MW-3A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	5/4/2010	***6.23 (6.24)***	NS	NA	NS	NA	NS	NA	NS	NA	9/21/2010	***6.42***	NS	NA	11/22/2010	***6.21***	NS	NA
	Sulfate (mg/L)	3640		NA		***3680***		NA		NA		NA		NA		3630		NA		***3850***		NA
	Selenium (ug/L)	89		NA		81.4		NA		NA		NA		NA		NS		NA		***94.8***		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	4/26/2010	0.39	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/11/2010	***11.6***	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	4/27/2010	***25.7***	NS	NA	NS	NA	NS	NA	NS	NA	9/20/2010	***31.9***	NS	NA	11/19/2010	***27.6***	NS	NA
	Field pH (S.U.)	6.5 - 8.5	NS	NA		7.16		NA		NA		NA		NA		6.62		NA		***6.47***		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	4/21/2010	100	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/11/2010	99.5	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		6.98		NA		NA		NA		NA		NA		NA		6.57		NA

			Q1 2010 Results		Q2 2010 Results						Q3 2010 Results						Q4 2010 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	Q1 Sample Date	Q1 Result	Q2 Sample Date	Q2 Result	May Monthly Sample Date	May Monthly Result	June Monthly Sample Date	June Monthly Result	July Monthly Sample Date	July Monthly Result	August Monthly Sample Date	August Monthly Result	Q3 Sample Date	Q3 Result	October Monthly Sample Date	October Monthly Result	Q4 Sample Date	Q4 Result	December Monthly Sample Date	December Monthly Result
Required Semi-Annual Sampling Wells, continued																						
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	5/4/2010	***3.73***	NS	NA	NS	NA	NS	NA	NS	NA	9/15/2010	***3.64***	NS	NA	11/18/2010	***3.57***	NS	NA
	Sulfate (mg/L)	1938.9		NA		***1950***		NA		NA		NA		NA		1930		NA		1910		NA
	Field pH (S.U.)	6.25-8.5		NA		***6.2***		NA		NA		NA		NA		7.23		NA		6.37		NA
	TDS (mg/L)	3198.77		NA		***3280***		NA		NA		NA		NA		3190		NA		3030		NA
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	5/4/2010	***6.61 (6.66)***	NS	NA	NS	NA	NS	NA	NS	NA	9/15/2010	6.93	NS	NA	11/18/2010	6.8	NS	NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		2.6		NA		NA		NA		NA		NA		NA		2.4		NA
MW-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
Available
Exceedances are shown in yellow
Values in () parentheses are the field pH measurements for the resampled analyses.

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

			Q1 2011 Results						Q2 2011 Results						Q3 2011 Results						Q4 2011 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2011 Monthly Sample Date	January 2011 Monthly Sample Result	Q1 2011 Sample Date	Q1 2011 Result	March 2011 Monthly Sample Date	March 2011 Monthly Result	Q2 2011 Sample Date	Q2 2011 Result	May 2011 Monthly Sample Date	May 2011 Monthly Result	June 2011 Monthly Sample Date	June 2011 Monthly Result	July 2011 Monthly Sample Date	July 2011 Monthly Result	Q3 2011 Sample Date	Q3 2011 Result	September 2011 Monthly Sample Date	September 2011 Monthly Result	Q4 2011 Sample Date	Q4 2011 Result	November 2011 Monthly Sample Date	November 2011 Monthly Result	December 2011 Monthly Sample Date	December 2011 Monthly Result
Required Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/11/2011	121	2/2/2011	145	3/15/2011	68	4/4/2011	148	5/10/2011	170	6/15/2011	121	7/6/2011	151		118	9/7/2011	106	10/4/2011	112	11/9/2011	105	12/14/2011	100
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/11/2011	6.37	2/7/2011	6.22	3/14/2011	6.76	4/4/2011	6.63	5/10/2011	6.37	6/15/2011	5.83	7/5/2011	6.4	8/3/2011	6.23 (6.41)	9/8/2011	6.50	10/4/2011	6.71 (6.82)	11/9/2011	6.63	12/12/2011	6.84
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/11/2011	6.44	2/2/2011	6.66	3/15/2011	6.79	4/4/2011	6.7	5/11/2011	6.1	6/20/2011	5.77	7/6/2011	6.29	8/3/2011 8/30/11	6.42 (6.54)	9/7/2011	6.54	10/4/2011	6.6	11/9/2011	6.51	12/12/2011	6.87
	Chloride (mg/L)	35		NA		30		NA		31		NA		NA		NA	8/3/2011	32		NA		32		NA		NA
	Cadmium (ug/L)	1.5		NA		1.34		NA		1.27		NA		NA		NA	8/30/2012	1.19		NA		1.27		NA		NA
	Uranium (ug/L)	6.5		7.02		4.77		6.8		5.56		6.72		7.06		6.74		6.37		5.96		5.27		6.56		6.1
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/12/2011	0.2	2/16/2011	0.25	3/15/2011	0.6	4/1/2011	0.8	5/10/2011	0.4	6/20/2011	0.3	7/6/2011	0.9	8/3/2011 8/30/11	0.6	9/7/2011	2.4	10/12/2011	0.9	11/9/2011	1.3	12/14/2011	2.3
	Uranium (ug/L)	41.8		32		69.3		31.8		60.2		57.4		18.5		57.1		19.0		56.1		58.9		55.6		57
	Chloroform (ug/L)	70		800		730		1200		390		1900		730		300		1000		1300		440		1200		1400
	Chloride (mg/L)	58.31		52		59		64		64		54		39		64		60		66		61		55		62
	Field pH (S.U.)	6.74 - 8.5		6.83		6.06		6.89		6.22		6.43		6.52		6.35		6.07 (6.58)		6.71		6.82		6.75		7.1
	Methylene Chloride (ug/L)	5		<1.0		10		14		3.1		20		7		2.4		10		7.9		2.6		8.9		11
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/10/2011	15	2/1/2011	16	3/14/2011	17	4/11/2011	16	5/10/2011	16	6/20/2011	17	7/5/2011	17	8/3/2011	14	9/7/2011	16	10/4/2011 11/29/2011	16	11/8/2011	16	12/12/2011	16
	Chloride (mg/L)	128		NA		134		NA		134		128		127		127		126		145		129		122		124
	Uranium (ug/L)	8.32		NA		5.97		NA		6.49		NA		NA		NA		8		NA		9.83		NA		NA
	Field pH (S.U.)	6.5 - 8.5		6.65		6.96		7.10		6.83		6.70		5.66		6.65		6.61		6.80		6.96 (6.73)		6.83		7.14
	Fluoride (mg/L)	0.51		NA		0.34		NA		0.34		NA		NA		NA		0.33		NA		0.37		NA		NA
	Selenium (ug/L)	34		36.2		34.7		34		44.4		38.3		38.7		32.4		39.7		32.4		36.6		36.8		38
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/10/2011	19	2/1/2011	21	3/14/2011	22	4/1/2011	21	5/10/2011	20	6/20/2011	22	7/5/2011	22	8/2/2011	20	9/6/2011	21	10/3/2011	21	11/8/2011 (11/29/12)	21	12/12/2011	21
	TDS (mg/L)	1320		1240		1220		1250		1370		1290		1330		1280		1300		1300		1320		1290		1330
	Chloride (mg/L)	143		NS		145		NA		143		143		145		148		148		148		145		145		148
	Selenium (ug/L)	71		NS		64.6		NA		65.2		NS		NS		NS		66.2		NS		68.8		NS		NS
	Field pH (S.U.)	6.5 - 8.5		6.65		7.21		7.43		7.01		6.73		6.16!		6.64		6.67		7.03		7.28		7.01 (7.34)		7.46
	Uranium (ug/L)	9.1		NS		5.77		NS		6.81		NS		NS		NS		7.68		NS		8.87		NS		NS
	Sulfate (mg/L)	532		NS		538		531		503		512		540		532		537		541		539		552		530
MW-35 (Class II)	Manganese (ug/L)	200	NS	NA	2/15/2011	248	NS	NA	6/7/2011	369	NS	NA	NS	NA	7/20/11	348	8/30/2011	267	9/7/11	270	10/3/11	271	11/8/2011	283	12/14/11	247
	Thallium (ug/l)	0.5		NA		< 0.50		NA		< 0.50		NA		NA		NA		0.52		NA		0.57		< 0.50		0.63
	Gross Alpha minus Rn & U (pCi/L)	3.75		NA		2.6		NA		3.7		NA		NA		NA		4.5		NA		4.4		4.7		4.2
	Field pH (S.U.)	6.5 - 8.5		NA		7.17		NA		7.31		NA		NA		6.49		6.40		6.47		6.59		6.51		6.90
	Selenium (ug/L)	12.5		NA		ND		NA		ND		NA		NA		NA		9.3		NA		10.5		NA		NA
	Uranium (ug/L)	7.5		NA		12.7		NA		21.7		NA		NA		24.2		18.3		22.3		20.1		24		23.6
Required Semi-Annual Sampling Wells																										
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	NS	NA	NS	NA	4/11/2011	18	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	10/11/2011	17	NS	NA	NS	NA
	Field pH (S.U.)	6.77 - 8.5		NA		NA		NA		7.06 (7.67)		NA		NA		NA		NA		NA		7.08 (7.51)		NA		NA
	Sulfate (mg/L)	838		NA		NA		NA		704		NA		NA		NA		NA		NA		713		NA		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	2/15/2011	40.5	NS	NA	4/13/2011	45.4	NS	NA	NS	NA	NS	NA	8/10/2011	46	NS	NA	10/10/2011	46.7	NS	NA	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.09		NA		6.46		NA		NA		NA		6.32		NA		6.53 (6.83)		NA		NA
	Beryllium (ug/L)	2		NA		NA		NA		<0.5		NA		NA		NA		NA		NA		<0.5		NA		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		1.26		NA		NA		NA		NA		NA		1.01		NA		NA
	Zinc (ug/L)	173.19		NA		NA		NA		104		NA		NA		NA		NA		NA		74		NA		NA
	Thallium (ug/l)	1.6		NA		NA		NA		1.02		NA		NA		NA		NA		NA		1.38		NA		NA
	Sulfate (mg/L)	3663		NA		NA		NA		3060		NA		NA		NA		NA		NA		3470		NA		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		0.3		NA		NA		NA		NA		NA		0.3		NA		NA
	Tetrahydrofuran (ug/L)	23		NA		NA		NA		1		NA		NA		NA		NA		NA		<1.0		NA		NA
	Nickel (ug/L)	100		NA		NA		NA		<20		NA		NA		NA		NA		NA		<20		NA		NA
	Manganese (ug/L)	4233		NA		NA		NA		223		NA		NA		NA		NA		NA		94		NA		NA
	Fluoride (Mg/L)	0.68		NA		0.69		NA		0.68		NA		NA		NA		0.96		NA		0.91		NA		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/16/2011	6.05	NS	NA	4/13/2011	6.58	NS	NA	NS	NA	NS	NA	8/11/2011	6.19	NS	NA	10/11/2011	6.5 (6.92)	NS	NA	NS	NA
	Sulfate (mg/L)	3640		NA		3730		NA		3350		NA		NA		NA		3560		NA		3750		NA		NA
	Selenium (ug/L)	89		NA		99		NA		85.8		NA		NA		NA		88.5		NA		95		NA		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/14/2011	29.5	NS	NA	4/12/2011	7.16	NS	NA	NS	NA	NS	NA	8/9/2011	0.5	NS	NA	10/10/2011	4.52	NS	NA	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	2/15/2011	39.0	NS	NA	4/5/2011	21.7	NS	NA	NS	NA	NS	NA	8/9/2011	25.4	NS	NA	10/6/2011	35.4	NS	NA	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.43		NA		6.67		NA		NA		NA		6.13		NA		6.7 (6.97)		NA		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	NS	NA	NS	NA	4/12/2011	116	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	10/10/2011	112	NS	NA	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		NA		NA		6.88		NA		NA		NA		NA		NA		6.70		NA		NA

			Q1 2011 Results						Q2 2011 Results						Q3 2011 Results						Q4 2011 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	January 2011 Monthly Sample Date	January 2011 Monthly Sample Result	Q1 2011 Sample Date	Q1 2011 Result	March 2011 Monthly Sample Date	March 2011 Monthly Result	Q2 2011 Sample Date	Q2 2011 Result	May 2011 Monthly Sample Date	May 2011 Monthly Result	June 2011 Monthly Sample Date	June 2011 Monthly Result	July 2011 Monthly Sample Date	July 2011 Monthly Result	Q3 2011 Sample Date	Q3 2011 Result	September 2011 Monthly Sample Date	September 2011 Monthly Result	Q4 2011 Sample Date	Q4 2011 Result	November 2011 Monthly Sample Date	November 2011 Monthly Result	December 2011 Monthly Sample Date	December 2011 Monthly Result
Required Semi-Annual Sampling Wells, continued																										
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	2/15/2011	***3.49***	NS	NA	4/6/2011	***3.74***	NS	NA	NS	NA	NS	NA	8/10/2011 9/21/11	***4.0 3.39***	NS	NA	10/11/2011	***3.83***	NS	NA	NS	NA
	Sulfate (mg/L)	1938.9		NA		1770		NA		1780		NA		NA		NA		1910		NA		***2020***		NA		NA
	Field pH (S.U.)	6.25-8.5		NA		6.27		NA		6.71		NA		NA		NA		***5.95 (6.30)***		NA		6.55 (6.63)		NA		NA
	TDS (mg/L)	3198.77		NA		***3250***		NA		***3250***		NA		NA		NA		3190		NA		***3220***		NA		NA
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	2/21/2011	6.78	NS	NA	4/5/2011	7.03	NS	NA	NS	NA	NS	NA	7/20/3011	***6.65***	NS	NA	10/12/2011	6.88 (7.02)	NS	NA	NS	NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		NS		NA		2.6		NA		NA		NA		NS		NA		***4.0***		NA		NA
MW-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
NR = Required and Not Sampled
NA = Not Applicable
Exceedances are shown in yellow
Values in () parentheses are the field pH measurements for the resampled analyses.

Table 3 – GWCL Exceedances for Third Quarter 2016 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	2/13/2012 2/21/2012 3/8/2012	6.72 (6.91) (6.71)		6.39		6.88		7.00 (7.01)		7.00	7/11/2012 8/16/2012	7.10 (6.80)		6.60		7.40		6.63		6.60		6.78
	Methylene Chloride (ug/L)	5		13	2/15/2012	24		27		20		10		16	8/16/2012	4.9		17		9.8		15.0		34.6		5.5
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/24/2012	17	2/14/2012	17	3/14/2012	18	4/10/2012	17	5/2/2012	16	6/18/2012	15	7/10/2012	17	8/7/2012	18	9/19/2012	16	10/23/2012	16.2	11/13/2012	18.5	12/26/2012	17.2
	Chloride (mg/L)	128		124		126		128		128		124		131		128		139		130		135		114		122
	Uranium (ug/L)	8.32	NS	NA		7.42		8.38		7.84		6.81		7.8		7.64		8.04		7.67		7.86		7.03		5.80
	Field pH (S.U.)	6.5 - 8.5	1/24/2012	6.52		7.12		6.86		7.05		6.95		7.10		7.25		6.95		7.85		6.80		6.67		6.95
	Fluoride (mg/L)	0.51	NS	NA		0.38		NA		NA		0.34		NA		0.33		NA		NA		NA		0.329		NA
	Selenium (ug/L)	34	1/24/2012	33.3		35		39.5		39.1		32.3		37		38.5		38.4		41.9		45.2		36		31.6
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/24/2012	21	2/13/2012	21	3/13/2012	22	4/9/2012	21	5/2/2012	20	6/18/2012 6/29/2012	21.6	7/9/2012	21	8/6/2012	21	9/18/2012	21	10/22/2012	18	11/6/2012	23.6	12/18/2012	22.2
	TDS (mg/L)	1320		1360		1240		1400		1380		1410		1460		1400		1400		1460		1320		1230		1270
	Chloride (mg/L)	143		155		150		152		160		151		138		161		175		172		157		189		170
	Selenium (ug/L)	71		NS		67.8		NS		NS		70.2		NA		74		NA		NA		NA		76.9		NA
	Field pH (S.U.)	6.5 - 8.5		6.78		7.37		7.13		7.14		7.19		7.28 (7.63)		7.53		6.96		7.1		7.05		7.04		7.10
	Uranium (ug/L)	9.1		NS		7.96		NS		NS		7.34		NS		8.17		NS		NS		NS		8.73		NS
	Sulfate (mg/L)	532		539		538		517		547		532		497		529		571		561		545		557		664
MW-35 (Class II)	Manganese (ug/L)	200	1/24/2012	264	2/14/2012	253	3/13/2012	269	4/10/2012	277	5/2/2012	258	6/19/2012	304	7/10/2012	272	8/8/2012	273	9/19/2012	283	10/23/2012	253	11/13/2012	241	12/18/2012	240
	Thallium (ug/l)	0.5		< 0.50		0.65		0.71		0.59		0.66		< 0.50		0.57		0.61		0.54		0.517		0.554		0.5
	Gross Alpha minus Rn & U (pC/L)	3.75		6.5		4.1		6.2		4.1		4.5		4.9		3.5		4.2		5.4		4.31		4.23		6.5
	Field pH (S.U.)	6.5 - 8.5		6.35		6.67		6.48		6.84		6.61		6.90		6.87		6.74		6.81		6.43		6.50		6.60
	Selenium (ug/L)	12.5		NA		19.7		NA		NA		11.4		7.0		15.9		18.8		8.2		19.0		15.4		12.1
	Uranium (ug/L)	7.5		16.1		24.7		24.9		22.4		22.2		22.5		24.5		26.2		22.9		22.4		21.8		21
Required Semi-Annual Sampling Wells																										
MW-01 (CLASS II)	Chloride (mg/L)	22.1	NS	NA	NS	NA	NS	NA	NS	NA	5/1/2012	18	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/27/2012	18.5	NS	NA
	Field pH (S.U.)	6.77 - 8.5		NA		NA		NA		NA		7.19		NA		NA		NA		NA		NA		6.98		NA
	Sulfate (mg/L)	838		NA		NA		NA		NA		659		NA		NA		NA		NA		NA		846		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	2/29/2012	43.1	NS	NA	NS	NA	5/14/2012	52.8	NS	NA	NA	51.1	NS	NA	NS	NA	NS	NA	11/28/2012	58.9	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.63		NA		NA		6.67		NA		6.99		NA		NA		NA		6.55		NA
	Beryllium (ug/L)	2		NA		NA		NA		NA		<0.5		NA		NA		NA		NA		NA		<0.5		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		NA		1.06		NA		NA		NA		NA		NA		0.954		NA
	Zinc (ug/L)	173.19		NA		NA		NA		NA		68		NA		NA		NA		NA		NA		46.1		NA
	Thallium (ug/l)	1.6		NA		NA		NA		NA		1.37		NA		NA		NA		NA		NA		1.16		NA
	Sulfate (mg/L)	3663		NA		NA		NA		NA		3140		NA		NA		NA		NA		NA		2340		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		0.4		NA		NA		NA		NA		NA		0.419		NA
	Tetrahydrofuran (ug/L)	23		NA		NA		NA		NA		<1.0		NA		NA		NA		NA		NA		<1.0		NA
	Nickel (ug/L)	100		NA		NA		NA		NA		<20		NA		NA		NA		NA		NA		<20		NA
	Manganese (ug/L)	4233		NA		NA		NA		NA		114		NA		NA		NA		NA		NA		89.1		NA
	Fluoride (Mg/L)	0.68		NA		0.86		NA		NA		1.04		NA		0.96		NA		NA		NA		1.26		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	3/1/2012	6.46	NS	NA	NS	NA	5/15/2012	6.68	NS	NA	7/19/2012	7.01	NS	NA	NS	NA	NS	NA	11/29/2012	6.35	NS	NA
	Sulfate (mg/L)	3640		NA		3020		NA		NA		3220		NA		3700		NA		NA		NA		2780		NA
	Selenium (ug/L)	89		NA		65.8		NA		NA		85.1		NA		99.3		NA		NA		NA		111		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/28/2012	18.6	NS	NA	NS	NA	5/9/2012	1.23	NS	NA	7/16/2012	0.75	NS	NA	NS	NA	NS	NA	11/27/2012	0.402	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	2/29/2012	NA	NS	NA	NS	NA	5/10/2012	19.6	NS	NA	7/17/2012	20.7	NS	NA	NS	NA	NS	NA	11/27/2012	23.0	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.81		NA		NA		6.91		NA		6.98		NA		NA		NA		6.54		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	2/22/2012	NA	NS	NA	NS	NA	5/9/2012	152	NS	NA	7/17/2012	120	NS	NA	NS	NA	NS	NA	11/14/2012	117	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		6.84		NA		NA		6.63		NA		7.05		NA		NA		NA		6.86		NA

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	Q1 2012 Results: January 2012 Monthly Sample Date	January 2012 Monthly Result	Q1 2012 Sample Date	Q1 2012 Result	March 2012 Monthly Sample Date	March 2012 Monthly Result	Q2 2012 Results: April 2012 Monthly Sample Date	April 2012 Monthly Result	Q2 2012 Sample Date	Q2 2012 Result	June 2012 Monthly Sample Date	June 2012 Monthly Result	Q3 2012 Results: Q3 2012 Sample Date	Q3 2012 Result	August 2012 Monthly Sample Date	August 2012 Monthly Result	September 2012 Monthly Sample Date	September 2012 Monthly Result	Q4 2012 Results: October 2012 Monthly Sample Date	October 2012 Monthly Result	Q4 2012 Sample Date	Q4 2012 Result	December 2012 Monthly Sample Date	December 2012 Monthly Result
Required Semi-Annual Sampling Wells, continued																										
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	2/27/2012	3.63	NS	NA	NS	NA	4/30/2012	3.51	NS	NA	7/18/2012	3.73	NS	NA	NS	NA	NS	NA	11/26/2012	3.2	NS	NA
	Sulfate (mg/L)	1938.9		NA		1920		NA		NA		1790		NA		1900		NA		NA		NA		1210		NA
	Field pH (S.U.)	6.25-8.5		NA		6.6		NA		NA		6.59		NA		6.64		NA		NA		NA		6.51		NA
	TDS (mg/L)	3198.77		NA		3230		NA		NA		3280		NA		3220		NA		NA		NA		3160		NA
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	2/28/2012	6.83	NS	NA	NS	NA	5/16/2012	6.86	NS	NA	7/19/2012	7.21	NS	NA	NS	NA	NS	NA	12/13/2012	6.71	NS	NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		3.9		NA		NA		3.7		NA		4		NA		NA		NA		3.96		NA
MW-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
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 Third Quarter 2016 under the August 24, 2012 GWDP

			Q1 2013 Results						Q2 2013 Results						Q3 2013 Results						Q4 2013 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2013 Monthly Sample Date	January 2013 Monthly Result	Q1 2013 Sample Date	Q1 2013 Result	March 2013 Monthly Sample Date	March 2013 Monthly Result	April 2013 Monthly Sample Date	April 2013 Monthly Result	Q2 2013 Sample Date	Q2 2013 Result	June 2013 Monthly Sample Date	June 2013 Monthly Result	Q3 2013 Sample Date	Q3 2013 Result	August 2013 Monthly Sample Date	August 2013 Monthly Result	September 2013 Monthly Sample Date	September 2013 Monthly Result	October 2013 Monthly Sample Date	October 2013 Monthly Result	Q4 2013 Sample Date	Q4 2013 Result	December 2013 Monthly Sample Date	December 2013 Monthly Result
Required Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/23/2013	115	2/20/2013	139	3/20/2013	164	4/16/2013	181	5/14/2013	144	6/25/2013	135	7/10/2013	138	8/20/2013	158	9/18/2013	134	10/22/2013	129	11/19/2013	152	12/18/2013	196
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/23/2013	6.48	2/26/2013	6.52	3/20/2013	6.48	4/16/2013	7.58	5/14/2013	7.39	6/25/2013	6.54	7/11/2013	6.47	8/20/2013	6.86	9/19/2013	6.48	10/22/2013	6.77	11/20/2013	6.51	12/18/2013	6.74
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/22/2013	6.65	2/20/2013	6.62	3/19/2013	6.41	4/17/2013	7.00	5/14/2013	7.19	6/24/2013	6.61	7/10/2013	6.32	8/19/2013	6.74	9/17/2013	6.54	10/22/2013	6.81	11/19/2013	6.62	12/17/2013	6.73
	Chloride (mg/L)	35		NA		36.1		NA		NA		28.1		30.4		28		31.1		29.6		28.6		29		31.2
	Cadmium (ug/L)	1.5		NA		1.35		1.40		1.36		1.52		1.31		1.41		1.57		1.31		1.50		1.35		1.23
	Uranium (ug/L)	6.5		5.97		5.39		5.68		5.56		5.88		5.35		6.22		6.42		5.99		5.94		7.13		NA
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/24/2013	1.66	2/20/2013	1.38	3/20/2013	1.61	4/17/2013	1.73	5/23/2013	2.01	6/5/2013 6/25/2013	3.04 2.11*	7/11/2013	1.98	8/20/2013	1.77	9/18/2013	3.60	10/23/2013	4.10	11/20/2013	1.38	12/18/2013	2.56
	Uranium (ug/L)	41.8		65.7		57.8		69		58.8		64.3		71.3		70		72.3		19.9		58.8		75.8		70.4
	Chloroform (ug/L)	70		1270		1500		1340		1680		1210		4030*		2410		2110		4170		3420		1220		1680
	Chloride (mg/L)	58.31		63.5		77		73.6		70.4		63.1		87.8 77.9*		72.1		70.8		77.3		63.8		62.3		65.7
	Field pH (S.U.)	6.74 - 8.5		6.51		6.71		6.70		6.96		7.31		6.85		6.43		7.41		6.71		6.82		6.83		6.93
	Methylene Chloride (ug/L)	5		6.49		5.53		8.31		10.2		4.07		52.4* [12.1]		14.2		14.6		42.4		29.8		7.64		7.48
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/23/2013	19.2	2/26/2013	21.4	3/20/2013	14.3	4/17/2013	16.8	5/15/2013	18.8	6/25/2013	16.1	7/10/2013	17.6	8/20/2013	16.4	9/18/2013	16.9	10/22/2013	19.7	11/20/2013	19.5	12/18/2013	20.7
	Chloride (mg/L)	128		128		129		126		117		119		127		130		126		131		128		124		134
	Uranium (ug/L)	8.32		8.36		7.4		6.85		7.08		6.31		8.22		7.48		7.07		7.00		6.91		8.57		NA
	Field pH (S.U.)	6.5 - 8.5		6.88		6.93		6.91		7.42		7.54		6.93		6.87		7.06		6.78		6.96		6.84		7.10
	Fluoride (mg/L)	0.51		NA		0.373		NA		NA		0.331		NA		0.368		NA		NA		NA		0.335		NA
	Selenium (ug/L)	34		37.2		42.3		39		37.3		39.4		32.1		36.5		36.3		35.2		39.5		36.6		35.1
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/22/2013	22.8	2/19/2013	19.3	3/19/2013	19.1	4/16/2013	18.8	5/13/2013	23.8	6/24/2013	20.0	7/9/2013	21.7	8/19/2013	16.0	9/17/2013	21.2	10/23/2013	21.2	11/18/2013	23.9	12/17/2013	24.2
	TDS (mg/L)	1320		1270		1390		1420		1260		1540		1380		1510		1440		1500		1460		1320		1500
	Chloride (mg/L)	143		176		174		168		171		169		179		182		183		193		188		174		203
	Selenium (ug/L)	71		NS		74.1		81.8		72.9		75.9		73.7		75.7		73.2		72.6		80.7		74.5		79.8
	Field pH (S.U.)	6.5 - 8.5		6.94		7.32		7.28		6.37		7.92		7.10		6.98		7.36		7.06		7.35		6.99		7.23
	Uranium (ug/L)	9.1		NS		7.33		NS		NS		7.63		NS		7.90		NS		NS		NS		9.03		NS
	Sulfate (mg/L)	532		611		644		611		668		630		659		659		656		666		637		609		656
MW-35 (Class II)	Manganese (ug/L)	200	1/23/2013	247	2/26/2013	272	3/19/13	246	4/17/2013	243	5/13/2013	252	6/24/2013	243	7/9/2013	250	8/19/2013	262	9/17/2013	257	10/23/2013	240	11/19/2013	251	12/17/2013	260
	Thallium (ug/l)	0.5		<0.5		<0.5		0.505		<0.5		0.715		0.946		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5
	Gross Alpha minus Rn & U (pCi/L)	3.75		6.62		5.09		9.51		4.75		4.92		3.24		5.70		3.92		5.10		3.73		5.39		4.74
	Field pH (S.U.)	6.5 - 8.5		6.54		6.68		6.43		6.96		7.33		6.70		6.51		7.02		6.50		6.83		6.52		6.73
	Selenium (ug/L)	12.5		11.0		10.8		22.6		11.8		16.1		13.6		8.01		<5		<5		19.8		<5		<5
	Uranium (ug/L)	7.5		23.6		21.3		22.1		20.0		22.0		19.3		23.0		21.4		20.2		21.8		24.1		20
Required Semi-Annual Sampling Wells																										
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	3/12/2013	NA	NS	NA	NS	NA	5/21/2013	17.8	NS	NA	7/23/2013	NA	NS	NA	NS	NA	NS	NA	12/4/2013	18.7	NS	NA
	Field pH (S.U.)	6.77 - 8.5		NA		6.77		NA		NA		7.57		NA		7.04		NA		NA		NA		7.04		NA
	Sulfate (mg/L)	838		NA		761		NA		NA		839		NA		911		NA		NA		NA		930		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	3/12/2013	51.8	NS	NA	NS	NA	5/22/2013	46.3	NS	NA	7/18/2013	52.0	NS	NA	NS	NA	NS	NA	12/11/2013	32.8	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.20		NA		NA		7.14		NA		6.46		NA		NA		NA		6.78		NA
	Beryllium (ug/L)	2		NA		NA		NA		NA		<0.5		NA		NA		NA		NA		NA		<0.5		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		NA		1.42		NA		NA		NA		NA		NA		<0.5		NA
	Zinc (ug/L)	173.19		NA		NA		NA		NA		72.1		NA		NA		NA		NA		NA		20.3		NA
	Thallium (ug/l)	1.6		NA		NA		NA		NA		1.21		NA		NA		NA		NA		NA		1.1		NA
	Sulfate (mg/L)	3663		NA		NA		NA		NA		2180		NA		NA		NA		NA		NA		3760		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		0.456		NA		NA		NA		NA		NA		1.21		NA
	Tetrahydrofuran (ug/L)	23		NA		NA		NA		NA		<1.0		NA		NA		NA		NA		NA		4.86		NA
	Nickel (ug/L)	100		NA		NA		NA		NA		<20		NA		NA		NA		NA		NA		<20		NA
	Manganese (ug/L)	4233		NA		NA		NA		NA		99.1		NA		NA		NA		NA		NA		975		NA
	Fluoride (Mg/L)	0.68		NA		0.902		NA		NA		0.994		NA		1.18		NA		NA		NA		1.28		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	3/13/2013	6.84	NS	NA	NS	NA	5/23/2013	7.10	NS	NA	7/19/2013	6.50	NS	NA	NS	NA	NS	NA	12/11/2013	6.98	NS	NA
	Sulfate (mg/L)	3640		NA		3480		NA		NA		3120		NA		3670		NA		NA		NA		3360		NA
	Selenium (ug/L)	89		NA		88.7		NA		NA		75.6		NA		79.7		NA		NA		NA		77.9		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	3/11/2013	36	NS	NA	NS	NA	5/14/2013	1.33	NS	NA	7/18/2013	0.574	NS	NA	NS	NA	NS	NA	12/4/2013	20.1	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	3/6/2013	19.6	NS	NA	NS	NA	5/15/2013	19	NS	NA	7/17/2013	20.5	NS	NA	NS	NA	NS	NA	12/9/2013	21.7	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.56		NA		NA		7.19		NA		6.60		NA		NA		NA		6.69		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	3/5/2013	137	NS	NA	NS	NA	5/15/2013	120	NS	NA	7/18/2013	100	NS	NA	NS	NA	NS	NA	11/20/2013	106	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		6.75		NA		NA		7.27		NA		6.68		NA		NA		NA		6.61		NA

			Q1 2013 Results						Q2 2013 Results						Q3 2013 Results						Q4 2013 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	January 2013 Monthly Sample Date	January 2013 Monthly Result	Q1 2013 Sample Date	Q1 2013 Result	March 2013 Monthly Sample Date	March 2013 Monthly Result	April 2013 Monthly Sample Date	April 2013 Monthly Result	Q2 2013 Sample Date	Q2 2013 Result	June 2013 Monthly Sample Date	June 2013 Monthly Result	Q3 2013 Sample Date	Q3 2013 Result	August 2013 Monthly Sample Date	August 2013 Monthly Result	September 2013 Monthly Sample Date	September 2013 Monthly Result	October 2013 Monthly Sample Date	October 2013 Monthly Result	Q4 2013 Sample Date	Q4 2013 Result	December 2013 Monthly Sample Date	December 2013 Monthly Result
Required Semi-Annual Sampling Wells, continued																										
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	2/25/2013	3.26	NS	NA	NS	NA	5/20/2013	2.81	NS	NA	7/15/2013	3.32	NS	NA	NS	NA	NS	NA	12/3/2013	3.06	NS	NA
	Sulfate (mg/L)	1938.9		NA		1270		NA		NA		1860		NA		1860		NA		NA		NA		2000		NA
	Field pH (S.U.)	6.25-8.5		NA		6.35		NA		NA		6.97		NA		6.45		NA		NA		NA		6.38		NA
	TDS (mg/L)	3198.77		NA		3350		NA		NA		3160		NA		3170		NA		NA		NA		3240		NA
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	3/13/2013	6.50	NS	NA	NS	NA	5/20/2013	7.16	NS	NA	7/15/2013	6.91	NS	NA	NS	NA	NS	NA	12/3/2013	6.58	NS	NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		3.61		NA		NA		4.21		NA		3.66		NA		NA		NA		3.70		NA
MW-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 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 Third Quarter 2016 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	January 2014 Monthly Result	February 2014 Monthly Sample Date	February 2014 Monthly Result	Q1 2014 Sample Date	Q1 2014 Result	Q2 2014 Results: 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	Q3 2014 Results: July 2014 Monthly Sample Date	July 2014 Monthly Result	August 2014 Monthly Sample Date	August 2014 Monthly Result	Q3 2014 Sample Date	Q3 2014 Result	Q4 2014 Results: October 2014 Monthly Sample Date	October 2014 Monthly Result	Q4 2014 Sample Date	Q4 2014 Result	December 2014 Monthly Sample Date	December 2014 Monthly Result
Required Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/8/2014	141	2/24/2014	163	3/11/2014	134	4/25/2014	136	5/14/2014	128	6/3/2014	166	7/29/2014	139	8/20/2014	139	9/8/2014	74.0	10/6/2014	157	11/17/2014	125	12/10/2014	186
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/8/2014	6.60	2/24/2014	6.16	3/11/2014	6.33	4/23/2014	6.84	5/13/2014	6.60	6/3/2014	7.63	7/28/2014	6.44	8/20/2014	7.07	9/2/2014	6.41	10/7/2014	6.46	11/12/2014	6.25	12/10/2014	6.40
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/7/2014	6.37	2/13/2014	6.10	3/10/2014	6.27	4/28/2014	7.18	5/13/2014	6.80	6/2/2014	6.74	7/28/2014	6.36	8/18/2014	7.17	9/3/2014	6.50	10/6/2014	6.49	11/4/2014	6.31	12/9/2014	6.36
	Chloride (mg/L)	35		31		30.4		31.5		31		26.4		30.9		NA		NA		30		NA		29.6		NA
	Cadmium (ug/L)	1.5		1.39		1.29		1.29		1.51		1.34		1.24		1.30		1.30		1.30		1.41		1.57		1.27
	Uranium (ug/L)	6.5		NA		5.83		6.26		10.6		7.43		6.07		5.9		6.1		6.0		6.67		6.04		5.75
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/8/2014	2.42	2/24/2014	2.12	3/12/2014	1.30	4/30/2014	1.20	5/14/2014	1.64	6/5/2014	1.42	7/29/2014	2.0	8/20/2014	1.00	9/4/2014	1.10	10/7/2014	0.704	11/18/2014	1.09	12/10/14 12/15/14	<0.100
	Uranium (ug/L)	41.8		81.7		72.2		51.8		96.0		90.6		75.0		86.5		74.4		48.4		75.4		66.0		42.5
	Chloroform (ug/L)	70		1580		2810		2800		1310		1580		1450		2330		2200		1580		894		1520		2280
	Chloride (mg/L)	58.31		69.7		70.4		61.0		62.1		61.0		63.2		80.0		59.0		68.0		57.7		54.2		65.5
	Field pH (S.U.)	6.74 - 8.5		6.80		6.78		6.50		7.19		7.13		6.78		6.60		7.28		6.67		6.85		6.09		6.25 (6.44)
	Methylene Chloride (ug/L)	5		6.52		25.8		15.5		5.54		10.2		6.73		9.6		43.3		10.9		3.78		7.34		28.4
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/8/2014	20.3	2/25/2014	18.4	3/11/2014	21.3	4/23/2014	18.3	5/14/2014	17.9	6/3/2014	19.4	7/29/2014	15.6	8/20/2014	13.8	9/9/2014	16.8	10/7/2014	11.0	11/10/2014	16.2	12/10/2014	17.1
	Chloride (mg/L)	128		131		135		144		154		128		128		140		139		136		136		154		138
	Uranium (ug/L)	8.32		NA		6.83		7.84		6.84		9.82		7.35		7.40		7.60		7.70		7.76		7.65		7.67
	Field pH (S.U.)	6.5 - 8.5		6.74		6.80		6.56		7.06		6.88		6.89		6.76		7.51		6.82		6.92		6.22		6.77
	Fluoride (mg/L)	0.51		NA		0.332		0.357		NA		NA		0.342		NA		NA		0.40		NA		0.262		NA
	Selenium (ug/L)	34		35.6		35.8		38.0		32.8		37.0		35.4		42.9		48.5		53.6		38.9		36.8		37.5
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/7/2014	24.0	2/17/2014	20.6	3/10/2014	26.2	4/28/2014	19.1	5/13/2014	23.3	6/2/2014	23.1	7/28/2014	19.0	8/18/2014	15.2	9/3/2014	18.9	10/6/2014	15.9	11/14/2014	20.9	12/9/2014	17.0
	TDS (mg/L)	1320		1510		1460		1490		1440		1510		1520		1400		1410		1460		1420		1520		1450
	Chloride (mg/L)	143		194		197		230		230		200		173		200		210		210		205		204		215
	Selenium (ug/L)	71		74.4		75.8		77.2		85.4		74.5		69.4		77.9		82.8		81.5		78.9		73.0		71.1
	Field pH (S.U.)	6.5 - 8.5		7.13		6.45		6.53		7.45		6.83		8.23		6.88		7.60		6.94		6.97		6.69		6.73
	Uranium (ug/L)	9.1		NS		7.65		7.96		NS		NS		7.72		NS		NS		8.40		NS		7.71		NS
	Sulfate (mg/L)	532		558		480		681		527		639		555		600		620		560		606		639		687
MW-35 (Class II)	Manganese (ug/L)	200	1/8/2014	252	2/11/2014	247	3/11/14	204	4/25/2014	194	5/14/2014	249	6/4/2014	202	7/29/2014	212	8/20/2014	191	9/3/2014	177	10/6/2014	228	11/12/2014	222	12/9/2014	232
	Thallium (ug/l)	0.5		0.535		<0.5		<0.5		0.582		0.521		<0.5		<0.5		<0.5		0.6		<0.5		<0.5		<0.5
	Gross Alpha minus Rn & U (pCi/L)	3.75		4.12		3.98		4.33		2.95		3.67		3.36		3.09		4.70		3.93		4.14		3.92		4.54
	Field pH (S.U.)	6.5 - 8.5		6.54		6.07		6.32		6.79		7.10		6.83		6.55		7.07		6.46		6.54		6.35		6.25
	Selenium (ug/L)	12.5		8.95		12.3		14.1		18.6		17.0		13.9		13.2		28.9		31.4		15.5		10.1		7.5
	Uranium (ug/L)	7.5		20.8		20.6		21.5		30.6		26.9		21.9		26.5		20.3		23.6		23.9		19.6		20.3
Required Semi-Annual Sampling Wells																										
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	NS	NA	2/20/2014	NA	NS	NA	NS	NA	5/28/2014	20.4	NS	NA	NS	NA	9/10/2014	NA	NS	NA	11/17/2014	19	NS	NA
	Field pH (S.U.)	6.77 - 8.5		NA		NA		6.61		NA		NA		7.11		NA		NA		6.75		NA		6.87		NA
	Sulfate (mg/L)	838		NA		NA		836		NA		NA		909		NA		NA		810		NA		920		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	NS	NA	2/26/2014	37.0	NS	NA	NS	NA	5/30/2014	69.5	NS	NA	NS	NA	9/16/2014	94.0	NS	NA	11/17/2014	62.4	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		6.23		NA		NA		6.56		NA		NA		6.13		NA		6.37		NA
	Beryllium (ug/L)	2		NA		NA		NA		NA		NA		<0.5		NA		NA		NA		NA		<0.5		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		NA		NA		1.7		NA		NA		NA		NA		2		NA
	Zinc (ug/L)	173.19		NA		NA		NA		NA		NA		94.5		NA		NA		NA		NA		98.3		NA
	Thallium (ug/l)	1.6		NA		NA		NA		NA		NA		1.28		NA		NA		NA		NA		1.32		NA
	Sulfate (mg/L)	3663		NA		NA		NA		NA		NA		3460		NA		NA		3120		NA		3800		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		NA		0.573		NA		NA		0.6		NA		0.330		NA
	Tetrahydrofuran (ug/L)	23		NA		NA		NA		NA		NA		<1.0		NA		NA		NA		NA		<1.0		NA
	Nickel (ug/L)	100		NA		NA		NA		NA		NA		<20		NA		NA		NA		NA		<20		NA
	Manganese (ug/L)	4233		NA		NA		NA		NA		NA		104		NA		NA		NA		NA		87.000		NA
	Fluoride (Mg/L)	0.68		NA		NA		0.771		NA		NA		1.02		NA		NA		1.0		NA		1.08		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	NS	NA	3/5/2014	6.58	NS	NA	NS	NA	5/30/2014	6.60	NS	NA	NS	NA	9/17/2014	6.40	NS	NA	11/12/2014	6.41	NS	NA
	Sulfate (mg/L)	3640		NA		NA		3100		NA		NA		3830		NA		NA		3350		NA		3770		NA
	Selenium (ug/L)	89		NA		NA		92.1		NA		NA		104		NA		NA		129		NA		88.5		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	NS	NA	2/12/2014	22.0	NS	NA	NS	NA	6/4/2014	2.42	NS	NA	NS	NA	9/11/2014	0.90	NS	NA	11/12/2014	36.20	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	NS	NA	2/12/2014	23.7	NS	NA	NS	NA	6/4/2014	17.20	NS	NA	NS	NA	9/16/2014	NA	NS	NA	11/11/2014	33.30	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		NA		6.13		NA		NA		7.10		NA		NA		6.47		NA		6.25		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	NS	NA	2/25/2014	110	NS	NA	NS	NA	6/4/2014	105	NS	NA	NS	NA	9/2/2014	273	NS	NA	11/12/2014	106	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		NA		6.51		NA		NA		6.91		NA		NA		6.38		NA		6.41		NA

			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	[illegible]		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 Third Quarter 2016 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
	Methylene Chloride (ug/L)	5		6.42		5.89		6.95		3.99		4.44	6/24/2015	9.38		11.4		2.17		<1.0		4.27		9.89		12.0
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/21/2015	19.5	2/4/2015	14.9	3/3/2015	17.3	4/8/2015	17	5/12/2015	16.1	6/24/2015	15.8	7/7/2015	15.3	8/11/2015	17.9	9/15/2015	17.3	10/7/2015	19.1	11/11/2015	16.3	12/9/2015	18.2
	Chloride (mg/L)	128		144		136		132		142		145		142		145		165		165		137		140		144
	Uranium (ug/L)	8.32		8.06		8.23		8.35		7.45		8.38		7.46		7.98		8.16		7.72		8.10		7.99		8.22
	Field pH (S.U.)	6.5 - 8.5		6.41		6.59		6.32		6.67		6.76	6/2/2015 6/24/2015	6.94, 6.32		6.85		6.73		6.65		6.88		6.83		6.79
	Fluoride (mg/L)	0.51		NA		0.324		NA		0.286		NA		NA		NA		0.247		NA		NA		0.572		NA
	Selenium (ug/L)	34		37.2		40.9		38.0		37.3		35.7		37.2		39.2		41.6		39.1		43.9		38.6		40.7
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/20/2015	20.9	2/2/2015	18.7	3/3/2015	19.8	4/7/2015	19.0	5/11/2015	18.4	6/23/2015	18.0	7/6/2015	18.8	8/10/2015	19.9	9/15/2015	18.9	10/6/2015	22.0	11/9/2015	18.4	12/8/2015	19.5
	TDS (mg/L)	1320		1540		1520		1530		1680		1700		1630		1440		1530		1480		1540		1460		1580
	Chloride (mg/L)	143		226		211		209		211		225		228		222		264		231		222		215		231
	Selenium (ug/L)	71		75.6		79.2		76.2		75.7		71.6		74.4		78.2		82.2		79.0		78.6		77.7		80.4
	Field pH (S.U.)	6.5 - 8.5		6.49		6.42		6.40		6.80		6.74	6/1/2015 6/23/2015	7.14, 7.08		7.22		6.80		6.73		6.47		6.36		6.70
	Uranium (ug/L)	9.1		NS		8		NS		8.07		NS	6/23/2015	NS		NS		8.76		NS		NS		8.72		NS
	Sulfate (mg/L)	532		669		623		616		642		668		691		684		640		638		655		646		690
MW-35 (Class II)	Manganese (ug/L)	200	1/20/2015	228	2/5/2015	223	3/4/2015	190	4/9/2015	237	5/12/2015	207.0	6/23/2015	214	7/7/2015	185	8/10/2015	198	9/15/15 9/22/15 9/28/15	201, 176	10/6/2015	169	11/3/2015	210	12/14/2015	177
	Thallium (ug/l)	0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5, <0.5		0.638		<0.5		<0.5
	Gross Alpha minus Rn & U (pCi/L)	3.75		6.86		5.61		3.81		4.25		4.47	6/2/2015	4.01		4.93		3.24		4.81, 6.13		4.04		4.47		4.69
	Field pH (S.U.)	6.5 - 8.5		6.22		6.53		6.26		6.64		6.46	6/2/2015 6/23/2015	6.50, 6.41		6.56		6.40		6.52, 6.41, 6.49		6.29		6.72		6.57
	Selenium (ug/L)	12.5		8.21		14.2		26.6		<5.0		9.11	6/23/2015	13.6		26.1		12.5		16.7, 28.5		39.8		9.96		25.0
	Uranium (ug/L)	7.5		21.8		20.6		24.4		20.2		22.5		20.7		22.0		22.1		21.3, 22.3		23.8		22.7		21.8
Required Semi-Annual Sampling Wells																										
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	2/10/2015	NA	NS	NA	4/15/2015	23.9	NS	NA	NS	NA	NS	NA	7/27/2015	NA	NS	NA	NS	NA	11/11/2015	21.9	NS	NA
	Field pH (S.U.)	6.77 - 8.5		NA		6.66		NA		7.15		NA		NA		NA		7.12		NA		NA		6.83		NA
	Sulfate (mg/L)	838		NA		813		NA		892		NA		NA		NA		876		NA		NA		830		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	2/11/2015	61.1	NS	NA	4/23/2015 5/20/2015	81, 61.7	NS	NA	NS	NA	NS	NA	7/28/2015	68.3	NS	NA	NS	NA	11/3/2015	76.0	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.12		NA	4/23/2015 4/29/2015 5/20/2015	6.18, 6.51, 6.23		NA		NA		NA		6.16		NA		NA		6.25		NA
	Beryllium (ug/L)	2		NA		NA		NA	4/23/2015 5/20/2015	1.44, 2.08		NA		NA		NA		NA		NA		NA		1.84		NA
	Cadmium (ug/L)	4.67		NA		NA		NA		5.03, 14.2		NA		NA		NA		NA		NA		NA		12.9		NA
	Zinc (ug/L)	173.19		NA		NA		NA		238, 373		NA		NA		NA		NA		NA		NA		275		NA
	Thallium (ug/l)	1.6		NA		NA		NA	4/23/2015 5/20/2015	1.47, 1.51		NA		NA		NA		NA		NA		NA		1.61		NA
	Sulfate (mg/L)	3663		NA		3260		NA	4/23/2015 5/20/2015	3700		NA		NA		NA		3670		NA		NA		3360		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		0.638		NA		0.642		NA		NA		NA		0.406		NA		NA		0.487		NA
	Tetrahydrofuran (ug/L)	23		NA		NA		NA		<1.0		NA		NA		NA		NA		NA		NA		<1.0		NA
	Nickel (ug/L)	100		NA		NA		NA		39.4, 96.2		NA		NA		NA		NA		NA		NA		86.9		NA
	Manganese (ug/L)	4233		NA		NA		NA		242, 1240		NA		NA		NA		NA		NA		NA		1020		NA
	Fluoride (mg/L)	0.68		NA		1.08		NA		1.00		NA		NA		NA		1.58		NA		NA		1.35		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/12/2015	6.15	NS	NA	4/23/2015 4/29/2015	6.59, 6.24	NS	NA	NS	NA	NS	NA	7/29/2015	6.34	NS	NA	NS	NA	11/4/2015	6.63	NS	NA
	Sulfate (mg/L)	3640		NA		3450		NA	4/23/2015	3720		NA		NA		NA		3860		NA		NA		3380		NA
	Selenium (ug/L)	89		NA		94.1		NA		101		NA		NA		NA		85.9		NA		NA		91.7		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/10/2015	2.94	NS	NA	4/21/2015	1.3	NS	NA	NS	NA	NS	NA	7/21/2015	0.887	NS	NA	NS	NA	11/4/2015	2.35	NS	NA
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	2/9/2015	30.0	NS	NA	4/21/2015	29.4	NS	NA	NS	NA	NS	NA	7/21/2015	24.6	NS	NA	NS	NA	11/17/2015	24.7	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		6.33		NA	4/21/2015 4/28/2015	6.50, 6.70		NA		NA		NA		6.70		NA		NA		6.65		NA
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	2/4/2015	125	NS	NA	4/13/2015	137	NS	NA	NS	NA	NS	NA	7/22/2015	104	NS	NA	NS	NA	11/16/2015	107	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		6.50		NA		6.82		NA		NA		NA		6.61		NA		NA		6.81		NA

			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	36.3		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.

Reported from the quarterly chloroform sample

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

			Q1 2016 Results						Q2 2016 Results						Q3 2016						
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2016 Monthly Sample Date	January 2016 Monthly Result	Q1 2016 Sample Date	Q1 2016 Result	March 2016 Monthly Sample Date	March 2016 Monthly Result	April 2016 Monthly Sample Date	April 2016 Monthly Result	Q2 2016 Sample Date	Q2 2016 Result	June 2016 Monthly Sample Date	June 2016 Monthly Result	July 2016 Monthly Sample Date	July 2016 Monthly Result	Q3 2016 Sample Date	Q3 2016 Result	September 2016 Monthly Sample Date	September 2016 Monthly Result	Sample Frequency
Required Quarterly Sampling Wells																					
MW-11 (Class II)	Manganese (ug/L)	131.29	1/20/2016	197	2/8/2016	217	3/3/2016	155	4/12/2016	166	5/3/2016	159	6/14/2016	158	7/13/2016	140	8/16/2016	158	9/14/2016	169	Quarterly
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/19/2016	6.27	2/15/2016	6.55	3/3/2016	6.66	4/13/2016	6.38	5/4/2016	6.28	6/14/2016	6.24	7/13/2016	6.20	8/17/2016	6.71	9/14/2016	6.43	Quarterly
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/19/2016	6.18	2/8/2016	6.50	3/2/2016	6.57	4/12/2016	6.51	5/3/2016	6.24	6/14/2016	6.25	7/12/2016	6.23	8/17/2016	6.57	9/13/2016	6.21	Quarterly
	Chloride (mg/L)	35		29.6		31.6		30.9		31.5		30.8		31.2		29.6		32.2		32.0	Quarterly
	Cadmium (ug/L)	1.5		1.37		1.51		1.42		1.39		1.43		1.43		1.44		1.37		1.41	Quarterly
	Uranium (ug/L)	6.5		6.54		6.16		6.22		6.03		6.30		5.99		6.64		6.33		6.48	Quarterly
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/20/2016	0.943	2/16/2016	1.66	3/2/2016	1.95	4/13/2016	0.990	5/4/2016	1.85	6/15/2016	1.66	7/14/2016	1.63	8/18/2016	2.70	9/15/2016	1.67	Quarterly
	Uranium (ug/L)	41.8		29.3		30.4		67.7		53.9		39.7		52.7		45.4		34.2		31.7	Quarterly
	Chloroform (ug/L)	70		2370		3530		2280		2060		1720		1860		3300		2950		3950	Quarterly
	Chloride (mg/L)	58.31		63.5		69.1		76.8		67.4		68.1		81.6		68.3		78.6		75.6	Quarterly
	Field pH (S.U.)	6.74 - 8.5		6.27		5.98		6.35		6.50		6.19		6.29		6.20		6.65		6.40	Quarterly
	Methylene Chloride (ug/L)	5		4.73		8.68		3.93		5.62		3.63		4.12		8.99		6.08		11.9	Quarterly
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/20/2016	14.6	2/10/2016	20.0	3/2/2016	17.8	4/13/2016	18	5/4/2016	17.3	6/14/2016	18.5	7/13/2016	16.1	8/18/2016	18.0	9/14/2016	17	Quarterly
	Chloride (mg/L)	128		143		145		142		144		139		142		137		150		146	Quarterly
	Uranium (ug/L)	8.32		8.34		7.76		7.82		7.55		8.18		7.66		8.10		8.23		8.22	Quarterly
	Field pH (S.U.)	6.5 - 8.5		6.45		6.94		6.51		6.84		6.30		6.28		6.23		6.86		6.60	Quarterly
	Fluoride (mg/L)	0.51		NA		0.360		<10.00		0.359		0.346		0.36		0.36		0.399		0.368	Quarterly
	Selenium (ug/L)	34		41.7		42.5		43.2		41.0		42.5		41.8		42.7		43.1		43.0	Quarterly
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/19/2016	18.9	2/15/2016	18.8	3/2/2016	18.0	4/12/2016	22.8	5/3/2016	18.6	6/15/2016	19.2	7/12/2016	17.4	8/16/2016	19.7	9/13/2016	18.6	Quarterly
	TDS (mg/L)	1320		1560		1490		1580		1710		1550		1580		1610		1710		1570	Quarterly
	Chloride (mg/L)	143		228		246		228		254		243		252		241		272		254	Quarterly
	Selenium (ug/L)	71		85.1		81.0		85.7		81.6		84.6		83.3		85.6		85.4		85.5	Quarterly
	Field pH (S.U.)	6.5 - 8.5		7.04		7.21		6.83		6.93		6.48		7.01		6.49		6.92		6.35	Quarterly
	Uranium (ug/L)	9.1		NS		8.41		NS		NS		9.05		NS		NS		9.41		NS	
	Sulfate (mg/L)	532		675		631		654		715		699		748		712		766		703	Quarterly
MW-35 (Class II)	Manganese (ug/L)	200	1/19/2016	211	2/10/2016	194	3/2/2016	194	4/12/2016	213	5/3/2016	203	6/15/2016	228	7/12/2016	210	8/16/2016	204	9/13/2016	198	Quarterly
	Thallium (ug/l)	0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5		<0.5	Quarterly
	Gross Alpha minus Rn & U (pCi/L)	3.75		6.95		2.42		3.88		3.65		3.22		5.39		3.64		2.56		3.68	Quarterly
	Field pH (S.U.)	6.5 - 8.5		6.35		6.70		6.53		6.51		6.22		6.20		6.28		6.65		6.21	Quarterly
	Selenium (ug/L)	12.5		8.62		14.4		20.2		9.2		12.9		6.18		8.60		16.80		18.50	Quarterly
	Uranium (ug/L)	7.5		21.1		20.8		21.8		19.9		21.2		19.4		21.5		22.2		22.0	Quarterly
Required Semi-Annual Sampling Wells																					
MW-01 (Class II)	Chloride (mg/L)	22.1	NS	NA	2/10/2016	22.1	NS	NA	NS	NA	4/20/2016	22.0	NS	NA	NS	NA	8/24/2016	21.5	NS	NA	Semi-Annually
	Field pH (S.U.)	6.77 - 8.5		NA		7.06		NA		NA		6.36		NA		NA		7.21		NA	Semi-Annually
	Sulfate (mg/L)	838		NA		812		NA		NA		825		NA		NA		866		NA	Semi-Annually
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	2/16/2016	<5.00	NS	NA	NS	NA	4/26/2016	<5.00	NS	NA	NS	NA	9/22/2016	5.06	NS	NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		6.21		NA		NA		6.15		NA		NA		6.40		NA	Semi-Annually
	Beryllium (ug/L)	2		NA		0.694		NA		NA		0.625		NA		NA		1.01		NA	Semi-Annually
	Cadmium (ug/L)	4.67		NA		3.71		NA		NA		4.71		NA		NA		2.72		NA	Semi-Annually
	Zinc (ug/L)	173.19		NA		4210		NA		NA		2580		NA		NA		2070		NA	Semi-Annually
	Thallium (ug/l)	1.6		NA		1.46		NA		NA		1.54		NA		NA		1.60		NA	Semi-Annually
	Sulfate (mg/L)	3663		NA		3230		NA		NA		3350		NA		NA		3010		NA	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		<0.100		NA		NA		<0.100		NA		NA		0.108		NA	Semi-Annually
	Tetrahydrofuran (ug/L)	23		NA		11.6		NA		NA		36.1		NA		NA		41.3		NA	Semi-Annually
	Nickel (ug/L)	100		NA		76.9		NA		NA		83.6		NA		NA		113		NA	Semi-Annually
	Manganese (ug/L)	4233		NA		2820		NA		NA		4560		NA		NA		4510		NA	Semi-Annually
	Fluoride (mg/L)	0.68		NA		1.33		NA		NA		1.13		NA		NA		0.827		NA	Semi-Annually
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/16/2016	7.08	NS	NA	NS	NA	4/27/2016	6.43	NS	NA	NS	NA	9/22/2016	6.79	NS	NA	Semi-Annually
	Sulfate (mg/L)	3640		NA		3580		NA		NA		3580		NA		NA		3390		NA	Semi-Annually
	Selenium (ug/L)	89		NA		91.5		NA		NA		103		NA		NA		75.7		NA	Semi-Annually
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/15/2016	1.15	NS	NA	NS	NA	4/21/2016	0.869	NS	NA	NS	NA	8/19/2016	0.688	NS	NA	Semi-Annually
MW-12 (Class III)	Selenium (ug/L)	25	NS	NA	2/4/2016	23.8	NS	NA	NS	NA	4/21/2016	31.2	NS	NA	NS	NA	8/19/2016	27.7	NS	NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		6.36		NA		NA		6.31		NA		NA		6.84		NA	Semi-Annually
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	2/4/2016	123	NS	NA	NS	NA	4/27/2016	126	NS	NA	NS	NA	8/18/2016	110	NS	NA	Semi-Annually
	Field pH (S.U.)	6.62 - 8.5		NA		6.30		NA		NA		6.02		NA		NA		6.71		NA	Semi-Annually

			Q1 2016 Results						Q2 2016 Results						Q3 2016						
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2016 Monthly Sample Date	January 2016 Monthly Result	Q1 2016 Sample Date	Q1 2016 Result	March 2016 Monthly Sample Date	March 2016 Monthly Result	April 2016 Monthly Sample Date	April 2016 Monthly Result	Q2 2016 Sample Date	Q2 2016 Result	June 2016 Monthly Sample Date	June 2016 Monthly Result	July 2016 Monthly Sample Date	July 2016 Monthly Result	Q3 2016 Sample Date	Q3 2016 Result	September 2016 Monthly Sample Date	September 2016 Monthly Result	Sample Frequency
Required Semi-Annual Sampling Wells, continued																					
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	2/9/2016	***2.67***	NS	NA	NS	NA	4/19/2016	***2.77***	NS	NA	NS	NA	8/23/2016	***2.58***	NS	NA	Semi-Annually
	Sulfate (mg/L)	1938.9		NA		1890		NA		NA		1890		NA		NA		***1960***		NA	Semi-Annually
	Field pH (S.U.)	6.25-8.5		NA		***6.10***		NA		NA		***5.93***		NA		NA		6.64		NA	Semi-Annually
	TDS (mg/L)	3198.77		NA		3130		NA		NA		3190		NA		NA		3180		NA	Semi-Annually
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	2/9/2016	***6.76***	NS	NA	NS	NA	4/19/2016	***6.25***	NS	NA	NS	NA	8/23/2016	7.07	NS	NA	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		2.44		NA		NA		2.63		NA		NA		2.62		NA	Semi-Annually
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	2/17/2016	***6.31***	NS	NA	NS	NA	4/28/2016	***6.07***	NS	NA	NS	NA	9/22/2016	***3.97***	NS	NA	Semi-Annually
	Fluoride (mg/L)	0.36		NA		0.117		NA		NA		***0.446***		NA		NA		0.135		NA	Semi-Annually
	Sulfate (mg/L)	2903		NA		2750		NA		NA		2760		NA		NA		2460		NA	Semi-Annually
	Thallium (ug/L)	1		NA		***2.04***		NA		NA		***2.10***		NA		NA		***1.57***		NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		***5.95***		NA		NA		***4.83***		NA		NA		***6.00***		NA	Semi-Annually
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	2/2/2016	***6.50***	NS	NA	NS	NA	4/20/2016	***7.40***	NS	NA	NS	NA	8/24/2016	***6.46***	NS	NA	Semi-Annually
	Chloride (mg/L)	38		NA		***47.3***		NA		NA		***43.1***		NA		NA		***42.3***		NA	Semi-Annually
	Sulfate (mg/L)	462		NA		439		NA		NA		418		NA		NA		383		NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		6.59		NA		NA		6.54		NA		NA		7.36		NA	Semi-Annually
	TDS (mg/L)	1075		NA		1050		NA		NA		1020		NA		NA		960		NA	Semi-Annually
	Gross Alpha minus Rn & U (pCi/L)	2		NA		<1.0		NA		NA		<1.0		NA		NA		<1.0		NA	Semi-Annually
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	2/2/2016	***130***	NS	NA	NS	NA	4/20/2016	***121***	NS	NA	NS	NA	9/1/2016	***127***	NS	NA	Semi-Annually
	Cadmium (ug/L)	5.2		NA		***5.26***		NA		NA		4.90		NA		NA		5.14		NA	Semi-Annually
	Uranium (ug/L)	4.9		NA		4.61		NA		NA		3.95		NA		NA		4.71		NA	Semi-Annually
	Vanadium (ug/L)	30		NA		<15.0		NA		NA		<15.0		NA		NA		<15.0		NA	Semi-Annually
	Field pH (S.U.)	6.1 - 8.5		NA		***5.46***		NA		NA		***5.73***		NA		NA		6.56		NA	Semi-Annually
MW-29 (Class III)	TDS (mg/L)	4400	NS	NA	2/10/2016	***4410***	NS	NA	NS	NA	4/27/2016	4100	NS	NA	NS	NA	9/1/2016	***4410***	NS	NA	Semi-Annually
	Sulfate (mg/L)	2946		NA		2710		NA		NA		2730		NA		NA		2750		NA	Semi-Annually
	Field pH (S.U.)	6.46 - 8.5		NA		6.47		NA		NA		***6.03***		NA		NA		6.78		NA	Semi-Annually
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	2/3/2016	2.17	NS	NA	NS	NA	4/20/2016	2.18	NS	NA	NS	NA	8/17/2016	2.56	NS	NA	Semi-Annually
	Chloride (mg/L)	35.39		NA		***38.2***		NA		NA		***36.3***		NA		NA		***38.3***		NA	Semi-Annually
	Field pH (S.U.)	6.4 - 8.5		NA		***5.99***		NA		NA		***6.06***		NA		NA		***6.29***		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.

INDEX OF TABS

Tab A Site Plan and Perched Well Locations White Mesa Site

Tab B Field Data Worksheets Quarterly Sampling

Tab C Field Data Worksheets Accelerated Monitoring

Tab C1 Field Data Worksheets Accelerated Monitoring, July 2016

Tab C2 Field Data Worksheets Accelerated Monitoring, September 2016

Tab D Quarterly Depth to Water

Tab E Laboratory Analytical Reports – Quarterly Sampling

Tab F Laboratory Analytical Reports – Accelerated Monitoring

Tab F1 Laboratory Analytical Reports – Accelerated Monitoring, July 2016

Tab F2 Laboratory Analytical Reports – Accelerated Monitoring, September 2016

Tab G Quality Assurance and Data Validation Tables

G-1A/B	Field Data QA/QC Evaluation
G-2A/B	Holding Time Evaluation
G-3A/B	Laboratory Temperature Check
G-4A/B	Analytical Method Check
G-5A/B	Reporting Limit Evaluation
G-6A/B	Trip Blank Evaluation
G-7A/B	QA/QC Evaluation for Sample Duplicates
G-8 A/B	Radiologics Counting Error
G-9A/B	Laboratory Matrix QC

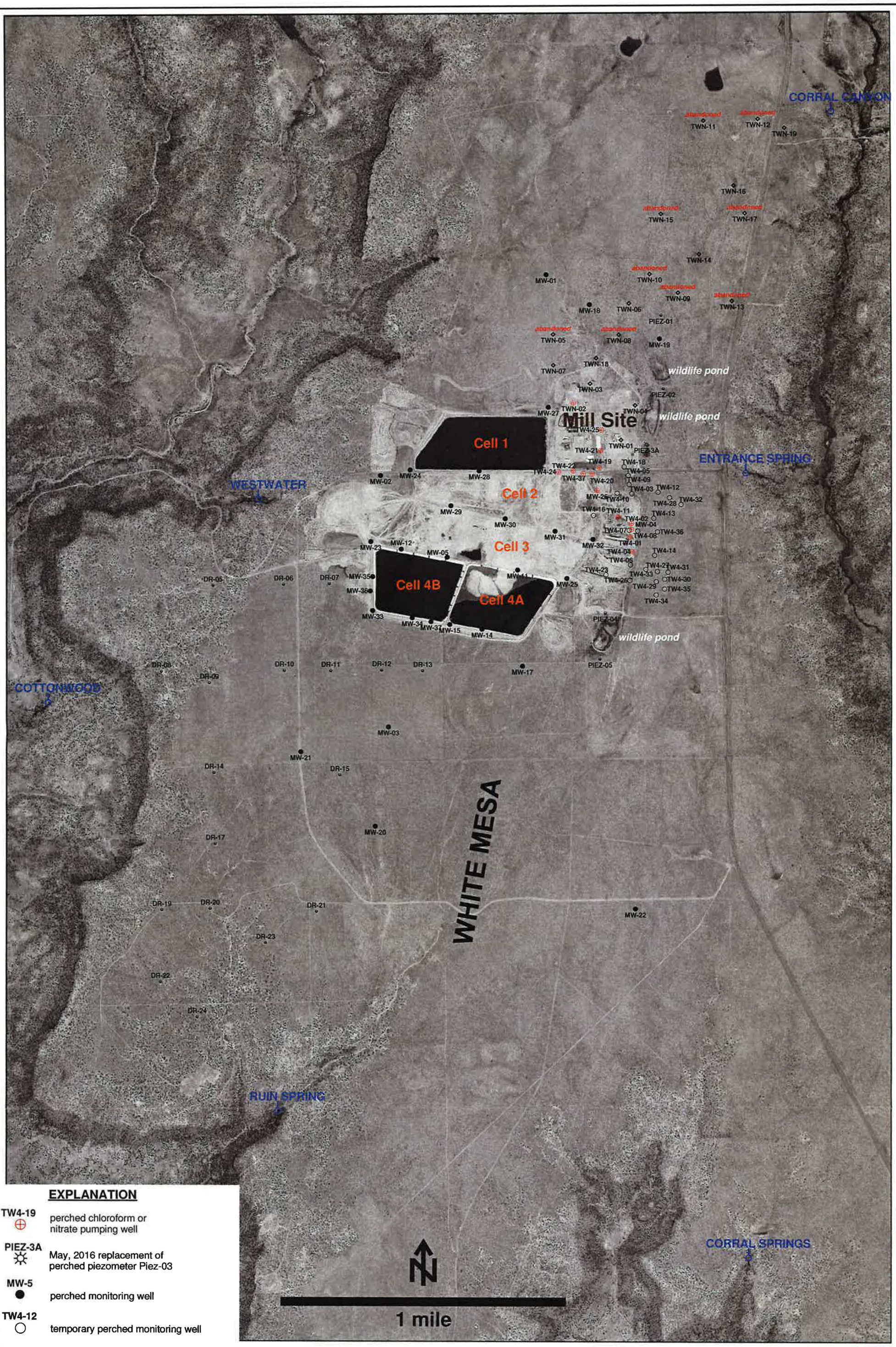
Tab H Kriged Current Quarterly Groundwater Contour Map

Tab I Groundwater Time Concentration Plots

Tab J CSV Transmittal Letter

Tab A

Site Plan and Perched Well Locations White Mesa Site



EXPLANATION

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

HYDRO GEO CHEM, INC.

WHITE MESA SITE PLAN SHOWING LOCATIONS OF PERCHED WELLS AND PIEZOMETERS

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov16/Uwelloc0916.srf	A-1

Tab B

Field Data Worksheets Quarterly Sampling

ENERGY FUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-01

Sampler Name and initials: Tanner Holliday/JH

Field Sample ID: MW-01_08242016

Date and Time for Purging: 8/24/2016 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): 118.00

Depth to Water Before Purging: 64.30

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 19.70 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1237	Gal. Purged	39.49
Conductance	1964	pH	7.30
Temp. °C	15.90		
Redox Potential Eh (mV)	488		
Turbidity (NTU)	9.5		

Time	1238	Gal. Purged	39.71
Conductance	1954	pH	7.27
Temp. °C	15.89		
Redox Potential Eh (mV)	488		
Turbidity (NTU)	9.6		

Time	1239	Gal. Purged	~~39.71~~ 39.92
Conductance	1961	pH	7.25
Temp. °C	15.84		
Redox Potential Eh (mV)	487		
Turbidity (NTU)	9.7		

Time	1240	Gal. Purged	40.14
Conductance	1967	pH	7.21
Temp. °C	15.78		
Redox Potential Eh (mV)	485		
Turbidity (NTU)	9.7		

Volume of Water Purged 40.14 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 181.63

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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								
Sulfate								

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

Final Depth 97.55 Sample Time 1240

See instruction

Comment

Arrived on site at 0932. Tanner and Garrin present for purge and sampling event.
Purge began at 0935, Purged well for a total of 185 minutes. Purge ended and Samples were collected at 1240. Water was clear
Left site at 1242

MW-01 08-24-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-03

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-03_09222016

Date and Time for Purging: 9/21/2016 and Sampling (if different): 9/22/2016

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-24

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 89.77

Depth to Water Before Purging: ~~84.85~~ 84.35

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

Weather Cond.: Overcast

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

Time	1010	Gal. Purged	12.48
Conductance	5674	pH	6.41
Temp. °C	16.17		
Redox Potential Eh (mV)	508		
Turbidity (NTU)	0		

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

Time	0755	Gal. Purged	0
Conductance	5700	pH	6.42
Temp. °C	17.03		
Redox Potential Eh (mV)	5		
Turbidity (NTU)			

Before

Time	0800	Gal. Purged	0
Conductance	5701	pH	6.40
Temp. °C	16.89		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

Volume of Water Purged 12.48 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 19.12

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

If well evacuated to dryness, number of gallons evacuated 12.48

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 87.63 Sample Time 0755

See instruction

Comment

Arrived on site at 0905. Tanner and Garrin present for purge
Purge began at 0910. Purged well for a total of 60 minutes Purged well dry!
Purge ended at 1010. Water was clear. Left site at 1012.

Arrived on site at 0750. Tanner and Garrin present to collect samples. Depth to water was 84.70 samples collected at 0755 Left site at 0801

Do not touch this cell (SheetName)

capturx COMPATIBLE WITH Anato FUNCTIONALITY

ENERGY FUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-03A

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-03A_09222016

Date and Time for Purging: 9/21/2016 and Sampling (if different): 9/22/2016

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-37

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: 84.46

Casing Volume (V) 4" Well: 6.88 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	0900	Gal. Purged	17.56
Conductance	5771	pH	6.98
Temp. °C	16.31		
Redox Potential Eh (mV)	518		
Turbidity (NTU)	7.9		

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

Time	0730	Gal. Purged	0
Conductance	5884	pH	6.76
Temp. °C	16.73		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0734	Gal. Purged	0
Conductance	5811	pH	6.79
Temp. °C	16.59		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged 17.36 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 66.17

Number of casing volumes evacuated (if other than two) 6

If well evacuated to dryness, number of gallons evacuated 17.36

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 92.49 Sample Time 0730

See instruction

Comment

Arrived on site at 0736. Tanner and Garrin present for purge.
Purge began at 0740. Purged well for 80 minutes. Purge ended at 0900.
Purged well dry, water was clear. Left site at 0910
Arrived on site at 0725 Tanner and Garrin present to collect samples. samples collected at 0730 Left site at 0735 Depth to Water was 87.10

MW-03A 09-21-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-05

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-05_08192016

Date and Time for Purging: 8/19/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-26

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: 106.05

Casing Volume (V) 4" Well: 21.18 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1042	Gal. Purged	42.74
Conductance	2985	pH	7.31
Temp. °C	15.35		
Redox Potential Eh (mV)	458		
Turbidity (NTU)	8.0		

Time	1043	Gal. Purged	42.96
Conductance	2951	pH	7.30
Temp. °C	15.32		
Redox Potential Eh (mV)	457		
Turbidity (NTU)	~~10~~	8.0	

Time	1044	Gal. Purged	43.18
Conductance	2965	pH	7.30
Temp. °C	15.31		
Redox Potential Eh (mV)	456		
Turbidity (NTU)	81		

Time	1045	Gal. Purged	43.4
Conductance	2941	pH	7.29
Temp. °C	15.28		
Redox Potential Eh (mV)	456		
Turbidity (NTU)	82		

Volume of Water Purged 43.4 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 195.29

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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 121.40 Sample Time 1045

See instruction

Comment

Arrived on site at 0722. Tanner and Garrin present for purge and sampling event. Purge began at 0725. Purged well for a total of 200 minutes. Purge ended and sample collected at 1045. Water was mostly clear.
Left site at 1047

MW-05 08-19-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_08162016

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

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-31

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 85.91

Casing Volume (V) 4" Well: 28.79 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1157	Gal. Purged	57.93
Conductance	2970	pH	7.02
Temp. °C	15.47		
Redox Potential Eh (mV)	506		
Turbidity (NTU)	5.9		

Time	1158	Gal. Purged	58.15
Conductance	2961	pH	7.10
Temp. °C	15.45		
Redox Potential Eh (mV)	501		
Turbidity (NTU)	6.0		

Time	1159 1159	Gal. Purged	58.37
Conductance	2960	pH	7.12
Temp. °C	15.53		
Redox Potential Eh (mV)	500		
Turbidity (NTU)	6.1		

Time	1200	Gal. Purged	58.59
Conductance	2957	pH	7.17
Temp. °C	15.48		
Redox Potential Eh (mV)	498		
Turbidity (NTU)	6.2		

Volume of Water Purged 58.59 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 265.35

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 GEL

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

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

Final Depth 86.41 Sample Time 1200

See instruction

Comment

Arrived on site at 0726. Tanner and Garrin present for purge and sampling event. Purge began at 0730. Purged well for a total of 270 minutes. Purge ended and samples were collected at 1200. Water was clear
Left site at 1210.

MW-11 08-16-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-12

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-12_08192016

Date and Time for Purging 8/19/2016 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-05

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 130.40

Depth to Water Before Purging 108.06

Casing Volume (V) 4" Well: 14.58 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

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

Time	0957	Gal. Purged	29.72
Conductance	4314	pH	6.97
Temp. °C	16.20		
Redox Potential Eh (mV)	478		
Turbidity (NTU)	7.5		

Time	0958	Gal. Purged	29.94
Conductance	4339	pH	6.91
Temp. °C	16.10		
Redox Potential Eh (mV)	479		
Turbidity (NTU)	7.5		

Time	0959	Gal. Purged	30.16
Conductance	4339	pH	6.87
Temp. °C	16.09		
Redox Potential Eh (mV)	484		
Turbidity (NTU)	7.7		

Time	1000	Gal. Purged	30.38
Conductance	4343	pH	6.84
Temp. °C	16.03		
Redox Potential Eh (mV)	485		
Turbidity (NTU)	7.8		

Volume of Water Purged 30.38 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 134.45

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 122.85 Sample Time 1000

See instruction

Comment

Arrived on site at 0736. Tanner and Garrin present for purge and sampling event. Purge began at 0740. Purged well for a total of 140 minutes. Purge ended and samples were collected at 1000. Water was mostly clear.
Left site at 1002

MW-12 08-19-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-14_0817 2016

Date and Time for Purging: 8/17/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-25

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging: 102.95

Casing Volume (V) 4" Well: 16.81 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 29°

Time	1522	Gal. Purged	32.98
Conductance	3977	pH	6.83
Temp. °C	15.70		
Redox Potential Eh (mV)	450		
Turbidity (NTU)	7.0		

Time	1523	Gal. Purged	33.20
Conductance	3981	pH	6.75
Temp. °C	15.65		
Redox Potential Eh (mV)	455		
Turbidity (NTU)	7.0		

Time	1524	Gal. Purged	33.41
Conductance	4071	pH	6.73
Temp. °C	15.59		
Redox Potential Eh (mV)	458		
Turbidity (NTU)	7.1		

Time	1525	Gal. Purged	33.63
Conductance	4063	pH	6.71
Temp. °C	15.63		
Redox Potential Eh (mV)	459		
Turbidity (NTU)	7.2		

Volume of Water Purged ~~1525~~ 33.64 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 154.97

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

If well evacuated to dryness, number of gallons evacuated 0

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

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

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

Final Depth 103.21

Sample Time 1525

See instruction

Comment

Arrived on site at 1247. Tanner and Garrin present for purge and sampling event.
Purge began at 1250. Purged well for a total of 155 minutes.
Purge ended and samples were collected at 1525. Water was clear.
Left site at 1535

MW-14 08-17-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-15

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-15_08182016

Date and Time for Purging: 8/18/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-30

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 137.00

Depth to Water Before Purging: 105.93

Casing Volume (V) 4" Well: 20.28 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Part

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

Time	1027	Gal. Purged	40.57
Conductance	4443	pH	6.81
Temp. °C	15.65		
Redox Potential Eh (mV)	396		
Turbidity (NTU)	0		

Time	1028	Gal. Purged	40.79
Conductance	4404	pH	6.75
Temp. °C	15.60		
Redox Potential Eh (mV)	398		
Turbidity (NTU)	0		

Time	~~1025~~ 1029 1029	Gal. Purged	41.01
Conductance	4433	pH	6.73
Temp. °C	15.51		
Redox Potential Eh (mV)	398		
Turbidity (NTU)	0		

Time	1030	Gal. Purged	41.23
Conductance	4430	pH	6.71
Temp. °C	15.47		
Redox Potential Eh (mV)	399		
Turbidity (NTU)	0		

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 = 186.99

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 108.75 Sample Time 1030

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 190 minutes. Purge ended and
Sample collected at 1030. Water was Clear
Left site at 1032

MW-15 08-18-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-18

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-18_08232016

Date and Time for Purging: 8/23/2016 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: 72.20

Casing Volume (V) 4" Well: 40.35 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1337	Gal. Purged	80.72
Conductance	3257	pH	6.75
Temp. °C	19.75		
Redox Potential Eh (mV)	518		
Turbidity (NTU)	6.8		

Time	1338	Gal. Purged	80.94
Conductance	3240	pH	6.70
Temp. °C	19.70		
Redox Potential Eh (mV)	519		
Turbidity (NTU)	7.0		

Time	1339	Gal. Purged	81.15
Conductance	3208	pH	6.68
Temp. °C	19.80		
Redox Potential Eh (mV)	520		
Turbidity (NTU)	7.1		

Time	1340	Gal. Purged	81.37
Conductance	3215	pH	6.64
Temp. °C	19.83		
Redox Potential Eh (mV)	520		
Turbidity (NTU)	7.2		

Volume of Water Purged 81.37 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 371.93

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 73.00 Sample Time 1340

See instruction

Comment

Arrived on site at 0721. Tanner and Garrin present for purge and sampling event.
Purge began at 0725. Purged well for a total of 375 minutes.
Purge ended and samples collected at 1340. Water was clear
Left site at 1345

MW-18 08-23-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-19

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-19_08232016

Date and Time for Purging 8/23/2016 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-12

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 149.00

Depth to Water Before Purging 62.25

Casing Volume (V) 4" Well: 56.64 (.653h)
3" Well: 0 (.367h)

Weather Cond. Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 14°

Time	1447	Gal. Purged	114.35
Conductance	1434	pH	7.21
Temp. °C	15.50		
Redox Potential Eh (mV)	485		
Turbidity (NTU)	34		

Time	1448	Gal. Purged	114.57
Conductance	1434	pH	7.12
Temp. °C	15.47		
Redox Potential Eh (mV)	489		
Turbidity (NTU)	32		

Time	1449	Gal. Purged	114.79
Conductance	1426	pH	7.10
Temp. °C	15.44		
Redox Potential Eh (mV)	490		
Turbidity (NTU)	33		

Time	1450	Gal. Purged	115.01
Conductance	1431	pH	7.07
Temp. °C	15.39		
Redox Potential Eh (mV)	491		
Turbidity (NTU)	32		

Volume of Water Purged 115.01 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 522.09

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 71.08 Sample Time 1450

See instruction

Comment

Arrived on site at 0557. Tanner and Garrin present for purge and sampling event. Purge began at 0600. Purged well for a total of 530 minutes. Purge ended and samples were collected at 1450. Water was mostly clear
Left site at 1452

MW-19 08-23-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd ~~Quarterly~~ Quarter Ground Water 2016

Location (well name): MW-24

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-24_09222016

Date and Time for Purging: 9/21/2016 and Sampling (if different): 9/22/2016

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-03A

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: 112.75

Casing Volume (V) 4" Well: 4.73 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	0910	Gal. Purged	11.52
Conductance	4432	pH	5.45
Temp. °C	16.04		
Redox Potential Eh (mV)	583		
Turbidity (NTU)	3.5		

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

Time	0830	Gal. Purged	0
Conductance	4445	pH	6.03
Temp. °C	15.61		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0834	Gal. Purged	0
Conductance	4450	pH	6.00
Temp. °C	15.70		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged 11.52 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 49.31

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

If well evacuated to dryness, number of gallons evacuated 11.52

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 117.83 Sample Time 0830

See instruction

Comment

Arrived on site at 0806. Tanner and Garrin present for purge.
Purge began at 0810. Purged well for a total of 60 minutes, Purged well dry!
Purge ended at 0910. Water was clear. Left site at 0913
Arrived on site at 0825 Tanner and Garrin present to collect samples. Samples collected at 0830 Left site at 0835 Depth to water was 112.57

MW-24 09-21-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_08172016

Date and Time for Purging: 8/17/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-36

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: ~~110~~ 1000 µMHOS/ cm
1000

Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 77.30

Casing Volume (V) 4" Well: 24.61 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): ~~26°~~ 21°
21°

Time	1242	Gal. Purged	51.42
Conductance	3267	pH	6.61
Temp. °C	15.40		
Redox Potential Eh (mV)	419		
Turbidity (NTU)	9.6		

Time	1243	Gal. Purged	51.64
Conductance	3259	pH	6.60
Temp. °C	15.39		
Redox Potential Eh (mV)	419		
Turbidity (NTU)	9.7		

Time	1244	Gal. Purged	51.86
Conductance	3289	pH	6.58
Temp. °C	15.41		
Redox Potential Eh (mV)	420		
Turbidity (NTU)	9.7		

Time	1245	Gal. Purged	52.08
Conductance	3260	pH	6.57
Temp. °C	15.37		
Redox Potential Eh (mV)	420		
Turbidity (NTU)	9.8		

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 = 226.89

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

If well evacuated to dryness, number of gallons evacuated 0

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

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

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

Final Depth 79.54 Sample Time 1245

See instruction

Comment

Arrived on site at 0841. Tanner and Garrin present for purge and sampling event.
Purge began at 0845. Purged well for a total of 240 minutes. Purge ended
and samples collected at 1245. Water was mostly clear
Left site at 1255

MW-25 08-17-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_08182016

Date and Time for Purging: 8/18/2016 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-15

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: 63.30

Casing Volume (V) 4" Well: 37.89 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	0929	Gal. Purged	0
Conductance	3592	pH	6.65
Temp. °C	15.81		
Redox Potential Eh (mV)	494		
Turbidity (NTU)	8.0		

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 = [7.0]

Time to evacuate two casing volumes (2V)
T = 2V/Q = [10.82]

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs [AWAL 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 [91.33] Sample Time [0930]

See instruction

Comment

Arrived on site at 0925 Tanner and Garrin present to collect samples.
Samples collected at 0930 water was clear
Left site at 0935

MW-26 08-18-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-27

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-27_08242016

Date and Time for Purging: 8/24/2016 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: 1008 µMHOS/ cm

Well Depth(0.01ft): 95.00

Depth to Water Before Purging: 54.59

Casing Volume (V) 4" Well: 26.38 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1422	Gal. Purged	52.51
Conductance	1497	pH	7.49
Temp. °C	15.77		
Redox Potential Eh (mV)	446		
Turbidity (NTU)	11.5		

Time	1423	Gal. Purged	52.73
Conductance	1494	pH	7.45
Temp. °C	15.73		
Redox Potential Eh (mV)	450		
Turbidity (NTU)	10.9		

Time	1424	Gal. Purged	52.94
Conductance	1470	pH	7.39
Temp. °C	15.70		
Redox Potential Eh (mV)	453		
Turbidity (NTU)	10.9		

Time	1425	Gal. Purged	53.16
Conductance	1458	pH	7.36
Temp. °C	15.69		
Redox Potential Eh (mV)	456		
Turbidity (NTU)	10.9		

Volume of Water Purged 53.16 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 243.20

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	☐	☒		☐	☒
Sulfate								
Chloride								
TDS								

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

Final Depth 56.03 Sample Time 1425

See instruction

Comment

Arrived on site at 1016. Tanner and Garrin present for purge and sampling event.
Purge began at 1020. Purged well for a total of 245 minutes.
Purge ended and samples were collected at 1245. Water was clear
Left site at 1431

MW-27 08-24-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-28

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: MW-28_09012016

Date and Time for Purging: 9/1/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-27

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: 75.21

Casing Volume (V) 4" Well: 22.71 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1057	Gal. Purged	44.91
Conductance	4130	pH	6.67
Temp. °C	15.45		
Redox Potential Eh (mV)	466		
Turbidity (NTU)	12.0		

Time	1058	Gal. Purged	45.13
Conductance	4123	pH	6.65
Temp. °C	15.41		
Redox Potential Eh (mV)	473		
Turbidity (NTU)	12.3		

Time	1059	Gal. Purged	45.35
Conductance	4168	pH	6.61
Temp. °C	15.40		
Redox Potential Eh (mV)	471		
Turbidity (NTU)	12.4		

Time	1100	Gal. Purged	45.57
Conductance	4160	pH	6.56
Temp. °C	15.38		
Redox Potential Eh (mV)	480		
Turbidity (NTU)	12.5		

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 = 209.38

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 78.23 Sample Time 1100

See instruction

Comment

Arrived on site at 0726. Tanner and Garrin present for purge and sampling event
Purge began at 0730. Purged well for a total of 210 minutes. Purge ended and
Samples collected at 1100. water was clear
Left site at 1106

MW-28 09-01-2016 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-29

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-29_09012016

Date and Time for Purging: 9/1/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-28

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 127.00

Depth to Water Before Purging: 100.54

Casing Volume (V) 4" Well: 17.27 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1012	Gal. Purged	34.06
Conductance	~~3010~~ 4010	pH	6.91
Temp. °C	18.97		
Redox Potential Eh (mV)	510		
Turbidity (NTU)	15.6		

Time	1013	Gal. Purged	34.28
Conductance	4063	pH	6.85
Temp. °C	18.95		
Redox Potential Eh (mV)	508		
Turbidity (NTU)	15.1		

Time	1014	Gal. Purged	34.50
Conductance	4078	pH	6.80
Temp. °C	18.75		
Redox Potential Eh (mV)	505		
Turbidity (NTU)	15.8		

Time	1015	Gal. Purged	34.72
Conductance	4039	pH	6.78
Temp. °C	18.77		
Redox Potential Eh (mV)	500		
Turbidity (NTU)	15.8		

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 = 159.24

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 102.85 Sample Time 1015

See instruction

Comment

Arrived on site at 0732. Tanner and Garrin present for purge and sampling event. Purge began at 0735. Purged well for a total of 160 minutes. Purge ended and samples collected at 1015. Water was mostly clear
Left site at 1021

MW-29 09-01-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_08182016

Date and Time for Purging: 8/18/2016 8/18/2016 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-14

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.27

Casing Volume (V) 4" Well: 22.67 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1037	Gal. Purged	44.91
Conductance	2150	pH	6.89
Temp. °C	15.20		
Redox Potential Eh (mV)	375		
Turbidity (NTU)	8.0		

Time	1038	Gal. Purged	45.13
Conductance	2142	pH	6.88
Temp. °C	15.10		
Redox Potential Eh (mV)	374		
Turbidity (NTU)	8.0		

Time	1039	Gal. Purged	45.35
Conductance	2142	pH	6.86
Temp. °C	15.09		
Redox Potential Eh (mV)	374		
Turbidity (NTU)	8.0		

Time	1040	Gal. Purged	45.57
Conductance	2140	pH	6.86
Temp. °C	15.11		
Redox Potential Eh (mV)	375		
Turbidity (NTU)	8.1		

Volume of Water Purged 45.57 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 209.02

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 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 77.80 Sample Time 1040

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 210 minutes.
Purge ended and samples collected at 1040. Water was clear
Left site at 1055

MW-30 08-08-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_08162016

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

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: 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: 68.45

Casing Volume (V) 4" Well: 40.19 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1332	Gal. Purged	80.72
Conductance	2474	pH	6.91
Temp. °C	15.71		
Redox Potential Eh (mV)	499		
Turbidity (NTU)	8.9		

Time	1333	Gal. Purged	80.94
Conductance	2498	pH	6.92
Temp. °C	15.70		
Redox Potential Eh (mV)	498		
Turbidity (NTU)	9.5		

Time	1334	Gal. Purged	81.15
Conductance	2470	pH	6.92
Temp. °C	15.48		
Redox Potential Eh (mV)	499		
Turbidity (NTU)	9.6		

Time	1335	Gal. Purged	81.37
Conductance	2467	pH	6.92
Temp. °C	15.49		
Redox Potential Eh (mV)	498		
Turbidity (NTU)	9.7		

Volume of Water Purged 81.37 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 370.43

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 71.82 Sample Time 1335

See instruction

Comment

Arrived on site at 0716. Tanner and Garrin present for purge and sampling event. Purge began at 0720. Purged well for a total of 375 minutes. Purge ended and samples collected at 1335. Water was clear
Left site at 1345

MW-31 08-16-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-32

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-32_08172016

Date and Time for Purging: 8/17/2016 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): 132.50

Depth to Water Before Purging: 77.71

Casing Volume (V) 4" Well: 35.77 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1232	Gal. Purged	70.95
Conductance	3947	pH	6.44
Temp. °C	15.46		
Redox Potential Eh (mV)	501		
Turbidity (NTU)	11.8		

Time	1233	Gal. Purged	71.17
Conductance	3941	pH	6.33
Temp. °C	15.33		
Redox Potential Eh (mV)	493		
Turbidity (NTU)	1[illegible]6	12 6	

Time	1234	Gal. Purged	71.39
Conductance	3921	pH	6.30
Temp. °C	15.27		
Redox Potential Eh (mV)	483		
Turbidity (NTU)	13.0		

Time	1235	Gal. Purged	71.61
Conductance	3920	pH	6.29
Temp. °C	15.16		
Redox Potential Eh (mV)	475		
Turbidity (NTU)	13.0		

Volume of Water Purged 71.61 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 329.74

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

If well evacuated to dryness, number of gallons evacuated 0

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

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

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

Final Depth 83.01 Sample Time 1235

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 ~~9~~ 330 minutes. Purge ended and samples were collected at 1235. Water was mostly clear. Left site at 1244

MW-32 08-17-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter GroundWater 2016

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_08162016

Date and Time for Purging: 8/16/2016 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-11

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.30

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

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 29°

Time	1347	Gal. Purged	18.87
Conductance	~~1884~~ 2671	pH	6.72
Temp. °C	16.50		
Redox Potential Eh (mV)	502		
Turbidity (NTU)	9.7		

Time	1348	Gal. Purged	19.09 19.09
Conductance	2685	pH	6.69
Temp. °C	16.48		
Redox Potential Eh (mV)	505		
Turbidity (NTU)	1.7		9.7

Time	1349	Gal. Purged	19.31
Conductance	2589	pH	6.67
Temp. °C	16.43		
Redox Potential Eh (mV)	507		
Turbidity (NTU)	9.8		

Time	1350	Gal. Purged	19.53
Conductance	2572	pH	6.65
Temp. °C	16.40		
Redox Potential Eh (mV)	508		
Turbidity (NTU)	99		

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 = 73.42

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

If well evacuated to dryness, number of gallons evacuated 0

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

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

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

Final Depth 113.19 Sample Time 1350

See instruction

Comment

Arrived on site at 1215. Tanner and Garrin present for purge and sampling event
Purge began at 1220. Purged well for a total of 90 minutes
Purge ended and samples were collected at 1350. Water was clear.
Left site at 1401

MW-35 08-16-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-36

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-36_08172016

Date and Time for Purging: 8/17/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-32

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 121.60

Depth to Water Before Purging: 110.45

Casing Volume (V) 4" Well: 7.28 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	0817	Gal. Purged	14.53
Conductance	1507	pH	6.75
Temp. °C	15.16		
Redox Potential Eh (mV)	513		
Turbidity (NTU)	8.5		

Time	0818	Gal. Purged	14.75
Conductance	1495	pH	6.75
Temp. °C	15.10		
Redox Potential Eh (mV)	514		
Turbidity (NTU)	8.6		

Time	0819	Gal. Purged	14.97
Conductance	1480	pH	6.73
Temp. °C	15.03		
Redox Potential Eh (mV)	512		
Turbidity (NTU)	8.7		

Time	0820	Gal. Purged	15.19
Conductance	1469	pH	6.75
Temp. °C	15.00		
Redox Potential Eh (mV)	513		
Turbidity (NTU)	8.7		

Volume of Water Purged 15.19 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 67.10

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 112.20 Sample Time 0820

See instruction

Comment

Arrived on site at 0707. Tanner and Garrin present for purge and sampling event.
Purge began at 0710 Purged well for a total of 70 minutes
Purge ended and samples were collected at 0820. water was clear
Left site at 0831

MW-36 08-17-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-37

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: ~~MW-37_09222016~~ MW-37_09212016

Date and Time for Purging: 9/1/2016 and Sampling (if different): ~~9/22/2016~~ 9/21/2016

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-29

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: 106.50

Casing Volume (V) 4" Well: 9.99 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1410	Gal. Purged	5
Conductance	4528	pH	7.27
Temp. °C	15.50		
Redox Potential Eh (mV)	450		
Turbidity (NTU)	17.6		

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

Time	1210	Gal. Purged	0
Conductance	4402	pH	6.30
Temp. °C	15.05		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	1215	Gal. Purged	0
Conductance	4448	pH	6.37
Temp. °C	15.09		
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) 1.40

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 121.35 Sample Time 1210

See instruction

Comment

Arrived on site at 1400. Tanner and Garrin present to Bail MW-37. Bailing began at 1404 Bailed 5 Gallons into a bucket and collected 1 set of parameters. ~~Bat~~ Bailed a total of 14 Gallons. Bailed well dry! Left site at 1426.
Arrived on site at 1205. Tanner and Garrin present to collect Samples. Depth to water was 111.56. Samples bailed at 1210. Left site at 1216

MW-37 09-01-2016 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_08182016

Date and Time for Purging: 8/18/2016 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-14

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.27

Casing Volume (V) 4" Well: 22.67 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

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

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

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

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

Volume of Water Purged 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 = 209.02

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 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 77.80 Sample Time 1040

See instruction

Comment

Duplicate of MW-30

MW-65 08-18-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2016

Location (well name): MW-70

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-70_09012016

Date and Time for Purging: 9/1/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☑ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☑ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-27

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: 75.21

Casing Volume (V) 4" Well: 22.71 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

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

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

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

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

Volume of Water Purged 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 = 209.38

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 78.23 Sample Time 1100

See instruction

Comment

Duplicate of MW-28

MW-70 09-01-2016 Do not touch this cell (SheetName)

Tab C

Field Data Worksheets Accelerated Monitoring

Tab C1

Field Data Worksheets Accelerated Monitoring

July 2016

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

See instruction

Description of Sampling Event: July Ground Water 2016

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_07132016

Date and Time for Purging: 7/13/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☑ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☑ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-30

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 85.86

Casing Volume (V) 4" Well: 28.82 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

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

Time	1057	Gal. Purged	57.93
Conductance	2881	pH	6.79
Temp. °C	15.37		
Redox Potential Eh (mV)	469		
Turbidity (NTU)	10		

Time	1058	Gal. Purged	58.15
Conductance	2882	pH	6.84
Temp. °C	15.37		
Redox Potential Eh (mV)	466		
Turbidity (NTU)	10		

Time	1059	Gal. Purged	58.37
Conductance	2890	pH	6.86
Temp. °C	15.35		
Redox Potential Eh (mV)	463		
Turbidity (NTU)	10		

Time	1100	Gal. Purged	58.59
Conductance	2894	pH	6.92
Temp. °C	15.39		
Redox Potential Eh (mV)	458		
Turbidity (NTU)	11		

Volume of Water Purged 58.59 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 265.65

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 86.09 Sample Time 1100

See instruction

Comment

Arrived on site at 0625. Tanner present for purge and sampling event.
Purge began at 0630. Purged well for a total of 270 minutes. Purge ended and samples collected at 1100. Water was mostly clear
Left site at 1105

MW-11 07-13-2016 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: July Ground Water 2016

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-14_07132016

Date and Time for Purging: 7/13/2016 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-11

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging: 102.94

Casing Volume (V) 4" Well: 16.82 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 26°

Time	1347	Gal. Purged	34.06
Conductance	3869	pH	6.24
Temp. °C	16.10		
Redox Potential Eh (mV)	502		
Turbidity (NTU)	5.0		

Time	1348	Gal. Purged	34.28
Conductance	3817	pH	6.21
Temp. °C	16.05		
Redox Potential Eh (mV)	502		
Turbidity (NTU)	5.0		

Time	1349	Gal. Purged	34.50
Conductance	3875	pH	6.20
Temp. °C	16.00		
Redox Potential Eh (mV)	502		
Turbidity (NTU)	5.1		

Time	1350	Gal. Purged	34.72
Conductance	3859	pH	6.20
Temp. °C	16.01		
Redox Potential Eh (mV)	501		
Turbidity (NTU)	5.1		

Volume of Water Purged 34.72 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 155.03

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 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 103.39 Sample Time 1350

See instruction

Comment

Arrived on site at 1107. Tanner present for purge.
Purge began at 1110. Purged well for a total of 160 minutes
Purge ended at 1350. water was clear
Left site at 1352

MW-14 07-13-2016 Do not touch this cell (SheetName)

ENERGYFUELS

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

See instruction

Description of Sampling Event: July Ground Water 2016

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_07122016

Date and Time for Purging: 7/12/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: N/A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 77.00

Casing Volume (V) 4" Well: 24.81 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1037	Gal. Purged	51.42
Conductance	3144	pH	6.13
Temp. °C	15.23		
Redox Potential Eh (mV)	553		
Turbidity (NTU)	~~42~~. 22	22	

Time	1038	Gal. Purged	51.64
Conductance	3147	pH	6.15
Temp. °C	15.21		
Redox Potential Eh (mV)	551		
Turbidity (NTU)	20		

Time	1039	Gal. Purged	51.86
Conductance	3143	pH	6.21
Temp. °C	15.22		
Redox Potential Eh (mV)	548		
Turbidity (NTU)	21		

Time	1040	Gal. Purged	52.08
Conductance	3142	pH	6.23
Temp. °C	15.25		
Redox Potential Eh (mV)	548		
Turbidity (NTU)	21		

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 = 228.70

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 79.01 Sample Time 1040

See instruction

Comment

Arrived on site at 0634. Tanner present for purge and sampling event. Purge began at 0640. Purged well for a total of 240 minutes. Purge ended and samples collected at 1040. water was a little murky with some tiny bubbles. Left site at 1046

MW-25 07-12-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: July Ground Water 2016

Location (well name): ~~MW-14~~ MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID ~~MW-14~~ MW-26_07142016

Date and Time for Purging 7/14/2016 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Monthly GW

Prev. Well Sampled in Sampling Event MW-14

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 1000 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging 64.93

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

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 26°

Time	1129	Gal. Purged	0
Conductance	3318	pH	6.20
Temp. °C	16.15		
Redox Potential Eh (mV)	505		
Turbidity (NTU)	6.1		

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: 85.99

Sample Time: 1130

See instruction

Comment

Arrived on site at 1125. Samples collected at 1130.
Water was mostly clear. Left site at 1136

Continuous Pumping Well

MW-26 07-14-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: July Groundwater 2016

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_07132016

Date and Time for Purging: 7/13/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-35

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.23

Casing Volume (V) 4" Well: 22.70 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

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

Time	0947	Gal. Purged	44.91
Conductance	2080	pH	6.15
Temp. °C	15.25		
Redox Potential Eh (mV)	538		
Turbidity (NTU)	2.8		

Time	0948	Gal. Purged	45.13
Conductance	2073	pH	6.18
Temp. °C	15.23		
Redox Potential Eh (mV)	532		
Turbidity (NTU)	2.8		

Time	0949	Gal. Purged	45.35
Conductance	2071	pH	6.20
Temp. °C	15.20		
Redox Potential Eh (mV)	530		
Turbidity (NTU)	2.7		

Time	0950	Gal. Purged	45.57
Conductance	2060	pH	6.23
Temp. °C	15.17		
Redox Potential Eh (mV)	528		
Turbidity (NTU)	2.8		

Volume of Water Purged 45.57 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 209.26

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 77.90 Sample Time 0950

See instruction

Comment

Arrived on site at 0615. Tanner present for purge and sampling event.
Purge began at 0620. Purged well for a total of 210 minutes. Samples collected at 0950 Water was clear
Left site at 0958

MW-30 07-13-2016 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: July Ground Water 2016

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_07122016

Date and Time for Purging: 7/12/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-25

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 68.27

Casing Volume (V) 4" Well: 40.30 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1312	Gal. Purged	80.72
Conductance	2344	pH	6.37
Temp. °C	16.08		
Redox Potential Eh (mV)	498		
Turbidity (NTU)	8.9		

Time	1313	Gal. Purged	80.94
Conductance	2311	pH	6.41
Temp. °C	16.05		
Redox Potential Eh (mV)	495		
Turbidity (NTU)	9.0		

Time	1314	Gal. Purged	81.15
Conductance	2352	pH	6.45
Temp. °C	16.03		
Redox Potential Eh (mV)	493		
Turbidity (NTU)	9.1		

Time	1315	Gal. Purged	81.37
Conductance	2334	pH	6.49
Temp. °C	16.00		
Redox Potential Eh (mV)	492		
Turbidity (NTU)	9.1		

Volume of Water Purged 81.37 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 371.51

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	☐	☒		☐	☒
TDS								
Sulfate								
Chloride								

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

Final Depth 71.15 Sample Time 1315

See instruction

Comment

Arrived on site at 0655. Tanner present for purge and sampling event.
Purge began at 0700. Purged well for a total of 375 minutes
Purge ended and samples collected at 1315. Water was mostly clear.
Left site at 1325

MW-31 07-12-2016 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: July Ground Water 2016

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_07122016

Date and Time for Purging: 7/12/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-31

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.17

Casing Volume (V) 4" Well: 8.05 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1217	Gal. Purged	16.70
Conductance	4040	pH	6.24
Temp. °C	15.89		
Redox Potential Eh (mV)	529		
Turbidity (NTU)	5.0		

Time	1218	Gal. Purged	16.92
Conductance	4096	pH	6.26
Temp. °C	15.43		
Redox Potential Eh (mV)	525		
Turbidity (NTU)	5.0		

Time	1219	Gal. Purged	17.14
Conductance	4076	pH	6.27
Temp. °C	15.36		
Redox Potential Eh (mV)	522		
Turbidity (NTU)	5.1		

Time	1220	Gal. Purged	17.36
Conductance	4090	pH	6.28
Temp. °C	15.38		
Redox Potential Eh (mV)	521		
Turbidity (NTU)	5.1		

Volume of Water Purged 17.36 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 74.20

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	☐	☐		☐	☐

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

Final Depth 112.98 Sample Time 1220

See instruction

Comment

Arrived on site at 1056. Tanner present for purge and sampling event.
Purge began at 1100. Purged well for a total of 80 minutes.
Purge ended and samples collected at 1220. Water was mostly clear
Left site at 1228

MW-35 07-12-2016 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: July Ground Water 2016

Location (well name): ~~MW-35~~ MW-65 MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_07122016

Date and Time for Purging: 7/12/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-31

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.17

Casing Volume (V) 4" Well: 8.05 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

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

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

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

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

Volume of Water Purged 17.36 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 74.20

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	☐	☐		☐	☐

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

Final Depth 112.98 Sample Time 1220

See instruction

Comment

Duplicate of MW-35

MW-65 07-12-2016 Do not touch this cell (SheetName)

Tab C2

Field Data Worksheets Accelerated Monitoring

September 2016

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

See instruction

Description of Sampling Event: September Ground Water 2016

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_09142016

Date and Time for Purging: 9/14/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-30

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 85.85

Casing Volume (V) 4" Well: 28.82 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy, Windy

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

Time	1242	Gal. Purged	57.93
Conductance	2910	pH	7.13
Temp. °C	15.70		
Redox Potential Eh (mV)	493		
Turbidity (NTU)	80		

Time	1243	Gal. Purged	58.15
Conductance	2906	pH	7.13
Temp. °C	15.59		
Redox Potential Eh (mV)	491		
Turbidity (NTU)	85		

Time	1244	Gal. Purged	58.37
Conductance	2921	pH	7.13
Temp. °C	15.54		
Redox Potential Eh (mV)	489		
Turbidity (NTU)	8.6		

Time	1245	Gal. Purged	58.59
Conductance	2928	pH	7.13
Temp. °C	15.50		
Redox Potential Eh (mV)	487		
Turbidity (NTU)	8.6		

Volume of Water Purged 58.59 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 265.71

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
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 86.00 Sample Time 1245

See instruction

Comment

Arrived on site at 0810. Tanner and Garrin present for purge and sampling event
Purge began at 0815. Purged well for a total of 270 minutes. Purge ended and
Samples collected at 1245. water was clear
Left site at 1249.

MW-11 09-14-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: September Ground Water 2016

Location (well name): MW-14

Sampler Name and initials: Tanner Hoiliday/TH

Field Sample ID: MW-14_09142016

Date and Time for Purging: 9/14/2016 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-11

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): ~~130.~~ 128.70

Depth to Water Before Purging: 102.80

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

Weather Cond.: Partly Cloudy

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

Time	1437	Gal. Purged	34.06
Conductance	3926	pH	6.50
Temp. °C	15.45		
Redox Potential Eh (mV)	504		
Turbidity (NTU)	8.2		

Time	1438	Gal. Purged	34.28
Conductance	3920	pH	6.48
Temp. °C	15.42		
Redox Potential Eh (mV)	504		
Turbidity (NTU)	8.2		

Time	1439	Gal. Purged	34.50
Conductance	3905	pH	6.45
Temp. °C	15.38		
Redox Potential Eh (mV)	506		
Turbidity (NTU)	8.3		

Time	1440	Gal. Purged	34.72
Conductance	3928	pH	6.43
Temp. °C	15.35		
Redox Potential Eh (mV)	507		
Turbidity (NTU)	8.3		

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

Volume of Water Purged 34.72 gallon(s)

Pumping Rate Calculation

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

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

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs ~~AWAL~~.

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 103.83 Sample Time 1440

See instruction

Comment

Arrived on site at 1155. Tanner and Garrin present for purge.
Purge began at 1200. Purged well for a total of 160 minutes. Purge ended at 1440. Water was clear. Left site at 1442.

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: Sc-Tumber Grind Water 2016

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_09132016

Date and Time for Purging: 9/13/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: ~~Quarterly~~ 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): 115.00

Depth to Water Before Purging: 77.22

Casing Volume (V) 4" Well: 24.67 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1432	Gal. Purged	51.42
Conductance	3.84	pH	6.15
Temp. °C	15.78		
Redox Potential Eh (mV)	537		
Turbidity (NTU)	11.3		

Time	1433	Gal. Purged	51.64
Conductance	3157	pH	6.17
Temp. °C	15.60		
Redox Potential Eh (mV)	534		
Turbidity (NTU)	13		

Time	1434	Gal. Purged	51.86
Conductance	3119	pH	6.19
Temp. °C	15.60		
Redox Potential Eh (mV)	532		
Turbidity (NTU)	14		

Time	1435	Gal. Purged	52.08
Conductance	3147	pH	6.21
Temp. °C	15.54		
Redox Potential Eh (mV)	531		
Turbidity (NTU)	14		

Volume of Water Purged 5208 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 227.37

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs IWAL

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 7911 Sample Time 1435

See instruction

Comment

Arrived on site at 1031. Tainer and Garrin present for purge and sampling event
Purge began at 1035. Purged well for a total of 240 minutes.
Purge ended and samples were collected at 1435. Water was mostly clear
Left site at 1440

MW-25 09-13-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: September Ground Water 2016

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_09152016

Date and Time for Purging: 9/15/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-14

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 64.11

Casing Volume (V) 4" Well: 37.36 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 14°

Time	0814	Gal. Purged	0
Conductance	3410	pH	6.40
Temp. °C	14.94		
Redox Potential Eh (mV)	504		
Turbidity (NTU)	5.7		

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)			

Volume of Water Purged 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 7.1

Time to evacuate two casing volumes (2V)
T = 2V/Q = 10.52

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 89.94 Sample Time 0815

See instruction

Comment

Arrived on site at 0810. Tanner and Garrin present to collect samples.
Samples collected at 0815 Water was clear
Left site at 0820

MW-26 09-15-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: September Ground Water 2016

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_09142016

Date and Time for Purging: 9/14/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Montnly GW

Prev. Well Sampled in Sampling Event: MW-25

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.20

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

Weather Cond.: Partly Cloudy

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

Time	1127	Gal. Purged	44.91
Conductance	2065	pH	6.64
Temp. °C	15.38		
Redox Potential Eh (mV)	519		
Turbidity (NTU)	6.2		

Time	1128	Gal. Purged	45.13
Conductance	2073	pH	6.62
Temp. °C	15.37		
Redox Potential Eh (mV)	519		
Turbidity (NTU)	6.5		

Time	1129	Gal. Purged	45.35
Conductance	2060	pH	6.62
Temp. °C	15.31		
Redox Potential Eh (mV)	519		
Turbidity (NTU)	6.5		

Time	1130	Gal. Purged	45.57
Conductance	2058	pH	6.60
Temp. °C	15.30		
Redox Potential Eh (mV)	518		
Turbidity (NTU)	6.6		

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 = 209.44

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 77.74 Sample Time 1130

See instruction

Comment

Arrived on site at 0756. Tanner and Garrin present for purge and sampling event. Purge began at 0800. Purged well for a total of 210 minutes. Purge ended and samples collected at 1130. Water was clear.
Left site at 1137

MW-30 09-14-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: Sept monr Ground Water 2016

Location (well name): MW-31_09132016 MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_09132016

Date and Time for Purging: 9/13/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: 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: 68.31

Casing Volume (V) 4" Well: 40.28 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1447	Gal. Purged	83.97
Conductance	~~2231~~ 2060	pH	6.25
Temp. °C	22.34		
Redox Potential Eh (mV)	515		
Turbidity (NTU)	8.0		

Time	1448	Gal. Purged	84.19
Conductance	2181	pH	6.30
Temp. °C	19.42		
Redox Potential Eh (mV)	502		
Turbidity (NTU)	8.3		

Time	1449	Gal. Purged	84.41
Conductance	2210	pH	6.33
Temp. °C	18.93		
Redox Potential Eh (mV)	498		
Turbidity (NTU)	8.3		

Time	1450	Gal. Purged	84.63
Conductance	2239	pH	6.35
Temp. °C	18.83		
Redox Potential Eh (mV)	495		
Turbidity (NTU)	8.4		

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 = 371.27

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs ANAL

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

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

Final Depth 71.60 Sample Time 1450

See instruction

Comment

Arrived on site at 0815. Turner and Garrin present for purge and sampling event. Purge began at 0820. Purged well for a total of 390 minutes. Purge ended and samples collected at 1450. Water was clear
Left site at 1458

MW-31 09-13-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: Septemoer Ground Water 2016

Location (well name): MW. 35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_09132016

Date and Time for Purging: 9/13/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-31

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: 112.20

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

Weather Cond.: Sunny

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

Time	0942	Gal. Purged	15.62
Conductance	4097	pH	6.20
Temp. °C	15.27		
Redox Potential Eh (mV)	545		
Turbidity (NTU)	6.0		

Time	0943	Gal. Purged	15.84
Conductance	4123	pH	6.20
Temp. °C	15.08		
Redox Potential Eh (mV)	542		
Turbidity (NTU)	6.1		

Time	0944	Gal. Purged	16.05
Conductance	4118	pH	6.20
Temp. °C	15.06		
Redox Potential Eh (mV)	540		
Turbidity (NTU)	6.2		

Time	0945	Gal. Purged	16.27
Conductance	4126	pH	6.21
Temp. °C	15.04		
Redox Potential Eh (mV)	540		
Turbidity (NTU)	6.2		

Volume of Water Purged 16.27 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 74.02

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 NWAL GEL

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

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

Final Depth 113.22 Sample Time 0945

See instruction

Comment

Arrived on site at 0826. Tanner and Garrin present for purge and sampling event.
Purge began at 0830. Purged well for a total of 75 minutes. Purge ended and
Samples were collected at 0945. Water was clear
Left site at 0952

MW-35 09-13-2016 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: September Ground Water 2016

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_09142016

Date and Time for Purging: 9/14/2016 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-25

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 1000 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.20

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

Weather Cond.: Partly Cloudy

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

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

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

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

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

Volume of Water Purged 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 = 209.44

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs AWAL

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

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

Final Depth 77.74 Sample Time 1130

See instruction

Comment

Duplicate of MW-30

MW-65 09-14-2016 Do not touch this cell (SheetName)

Tab D

Quarterly Depth to Water

NAME: Garrin Palmer, Tanner Holliday

9/29/2016

Time	Well	Depth to Water (ft.)
1221	MW-1	64.37
1400	MW-2	109.80
1253	MW-3	82.85
1253	MW-3A	84.76
1356	MW-5	106.24
1409	MW-11	86.07
1354	MW-12	108.25
1332	MW-14	103.09
1336	MW-15	106.14
1238	MW-17	72.02
1227	MW-18	72.37
1215	MW-19	62.51
711	MW-20	85.40
759	MW-22	66.95
1352	MW-23	114.00
1440	MW-24	112.87
1327	MW-25	77.56
1436	MW-26	67.46
1444	MW-27	54.85
1437	MW-28	75.31
1403	MW-29	100.69
1405	MW-30	75.45
1412	MW-31	68.60
1416	MW-32	77.95
1344	MW-33	DRY
1340	MW-34	107.80
1350	MW-35	112.42
1348	MW-36	110.55
1338	MW-37	110.19

Time	Well	Depth to Water (ft.)
1423	MW-4	81.37
1422	TW4-1	94.10
1422	TW4-2	88.02
1427	TW4-3	57.86
1421	TW4-4	73.10
1430	TW4-5	65.58
1420	TW4-6	73.24
1423	TW4-7	76.46
1425	TW4-8	79.70
1429	TW4-9	63.33
1432	TW4-10	62.97
1433	TW4-11	92.98
1314	TW4-12	46.69
1313	TW4-13	52.95
1309	TW4-14	79.53
1436	TW4-15	67.46
1435	TW4-16	64.30
1416	TW4-17	77.95
1152	TW4-18	66.26
1459	TW4-19	64.01
901	TW4-20	64.10
1455	TW4-21	68.53
1449	TW4-22	84.40
1419	TW4-23	70.30
1448	TW4-24	62.48
1453	TW4-25	65.23
1420	TW4-26	67.56
1300	TW4-27	79.62
1316	TW4-28	40.64
1308	TW4-29	74.46
1303	TW4-30	75.84
1301	TW4-31	79.15
1317	TW4-32	52.15
1258	TW4-33	73.25
1306	TW4-34	72.47
1304	TW4-35	74.30
1311	TW4-36	56.59
902	TW4-37	62.45

Time	Well	Depth to Water (ft.)
1213	PIEZ-1	65.55
1204	PIEZ-2	40.10
1201	PIEZ-3A	50.90
1324	PIEZ-4	60.00
1322	PIEZ-5	59.66
1150	TWN-1	63.14
1446	TWN-2	35.02
1231	TWN-3	40.71
1200	TWN-4	56.15
NA	TWN-5	Abandonned
1218	TWN-6	78.78
1223	TWN-7	85.05
NA	TWN-8	Abandonned
NA	TWN-9	Abandonned
NA	TWN-10	Abandonned
NA	TWN-11	Abandonned
NA	TWN-12	Abandonned
NA	TWN-13	Abandonned
1210	TWN-14	61.17
NA	TWN-15	Abandonned
1208	TWN-16	47.70
NA	TWN-17	Abandonned
1156	TWN-18	60.76
838	TWN-19	53.46

Time	Well	Depth to Water (ft.)
NA	DR-1	Abandonned
NA	DR-2	Abandonned
717	DR-5	83.22
722	DR-6	94.25
1345	DR-7	92.14
731	DR-8	51.25
727	DR-9	86.66
724	DR-10	78.40
1246	DR-11	98.17
1244	DR-12	91.09
1241	DR-13	70.05
741	DR-14	76.43
736	DR-15	92.99
NA	DR-16	Abandonned
745	DR-17	65.02
NA	DR-18	Abandonned
748	DR-19	63.15
803	DR-20	55.80
806	DR-21	100.77
753	DR-22	60.61
809	DR-23	70.24
757	DR-24	44.39
NA	DR-25	Abandonned

Tab E

Laboratory Analytical Reports – Quarterly Sampling

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608512-001
Client Sample ID: MW-01_08242016
Collection Date: 8/24/2016 1240h
Received Date: 8/25/2016 940h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/2/2016 623h	E300.0	10.0	**21.5**	
Sulfate	mg/L		9/2/2016 640h	E300.0	100	**866**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1609477-004
Client Sample ID: MW-03_09222016
Collection Date: 9/22/2016 755h
Received Date: 9/23/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	9/23/2016 1201h	9/26/2016 958h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	9/23/2016 1201h	9/26/2016 1023h	E200.8	0.000500	**0.00101**	
Cadmium	mg/L	9/23/2016 1201h	9/26/2016 958h	E200.8	0.000500	**0.00272**	
Calcium	mg/L	9/23/2016 1201h	9/30/2016 1402h	E200.7	50.0	**456**	
Chromium	mg/L	9/23/2016 1201h	9/26/2016 958h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	9/23/2016 1201h	9/26/2016 958h	E200.8	0.0100	< 0.0100	
Copper	mg/L	9/23/2016 1201h	9/26/2016 958h	E200.8	0.0100	< 0.0100	
Iron	mg/L	9/23/2016 1201h	9/26/2016 1023h	E200.8	0.0300	**0.166**	
Lead	mg/L	9/23/2016 1201h	9/26/2016 1023h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	9/23/2016 1201h	9/30/2016 1402h	E200.7	50.0	**267**	
Manganese	mg/L	9/23/2016 1201h	9/26/2016 1011h	E200.8	0.0100	**4.51**	
Mercury	mg/L	10/3/2016 1545h	10/4/2016 707h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	9/23/2016 1201h	9/26/2016 958h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	9/23/2016 1201h	9/26/2016 958h	E200.8	0.0200	**0.113**	
Potassium	mg/L	9/23/2016 1201h	9/30/2016 1445h	E200.7	2.00	**25.9**	
Selenium	mg/L	9/23/2016 1201h	9/26/2016 958h	E200.8	0.00500	**0.00506**	
Silver	mg/L	9/23/2016 1201h	9/26/2016 958h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	9/23/2016 1201h	9/30/2016 1402h	E200.7	50.0	**785**	
Thallium	mg/L	9/23/2016 1201h	9/26/2016 1023h	E200.8	0.000500	**0.00160**	
Tin	mg/L	9/23/2016 1201h	9/26/2016 958h	E200.8	0.100	< 0.100	
Uranium	mg/L	9/23/2016 1201h	9/26/2016 1033h	E200.8	0.000300	**0.0117**	
Vanadium	mg/L	9/23/2016 1201h	9/30/2016 1453h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	9/23/2016 1201h	9/26/2016 1011h	E200.8	0.0250	**2.07**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1609477-004
Client Sample ID: MW-03_09222016
Collection Date: 9/22/2016 755h
Received Date: 9/23/2016 1030h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	9/26/2016 1520h	9/26/2016 1748h	E350.1	0.0500	**0.314**	
Bicarbonate (as CaCO3)	mg/L		9/26/2016 1000h	SM2320B	1.00	**302**	
Carbonate (as CaCO3)	mg/L		9/26/2016 1000h	SM2320B	1.00	< 1.00	
Chloride	mg/L		9/28/2016 2222h	E300.0	10.0	**63.7**	
Fluoride	mg/L		9/28/2016 2149h	E300.0	0.100	**0.827**	
Ion Balance	%		10/3/2016	Calc.	-100	**6.06**	
Nitrate/Nitrite (as N)	mg/L		9/23/2016 1602h	E353.2	0.100	**0.108**	
Sulfate	mg/L		9/28/2016 2256h	E300.0	1,000	**3,010**	
Total Anions, Measured	meq/L		10/3/2016	Calc.		**70.4**	
Total Cations, Measured	meq/L		10/3/2016	Calc.		**79.5**	
Total Dissolved Solids	mg/L		9/23/2016 1335h	SM2540C	20.0	**5,080**	
Total Dissolved Solids Ratio, Measured/Calculated			10/3/2016	Calc.		**1.06**	
Total Dissolved Solids, Calculated	mg/L		10/3/2016	Calc.		**4,780**	

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

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1609477-004E
Client Sample ID: MW-03_09222016
Collection Date: 9/22/2016 755h
Received Date: 9/23/2016 1030h

Test Code: 8260-W-DEN100

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

Analyzed: 9/23/2016 1337h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloroform	67-66-3	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	**41.3**	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.4	50.00	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.3	50.00	105	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.1	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	50.8	50.00	102	77-129	

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: October 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-03_09222016	Project:	DNMI00100
Sample ID:	406684002	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	22-SEP-16 07:55		
Receive Date:	24-SEP-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.176	0.630	1.00	pCi/L			AXM6	10/13/16	1932	1603862	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"			97.4	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1609477-001
Client Sample ID: MW-03A_09222016
Collection Date: 9/22/2016 730h
Received Date: 9/23/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	9/23/2016 1201h	9/26/2016 937h	E200.8	0.00500	**0.0757**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1609477-001
Client Sample ID: MW-03A_09222016
Collection Date: 9/22/2016 730h
Received Date: 9/23/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Sulfate	mg/L		9/28/2016 1934h	E300.0	1,000	**3,390**	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608512-002
Client Sample ID: MW-05_08192016
Collection Date: 8/19/2016 1045h
Received Date: 8/25/2016 940h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	8/25/2016 1140h	8/26/2016 1112h	E200.8	0.000300	**0.000688**	

American West ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-003
Client Sample ID: MW-11_08162016
Collection Date: 8/16/2016 1200h
Received Date: 8/19/2016 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/22/2016 1101h	8/23/2016 852h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/22/2016 1101h	8/23/2016 1038h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/22/2016 1101h	8/23/2016 852h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	8/22/2016 1101h	8/30/2016 1807h	E200.7	10.0	**70.5**	
Chromium	mg/L	8/22/2016 1101h	8/23/2016 852h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/22/2016 1101h	8/23/2016 852h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/22/2016 1101h	8/23/2016 852h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/22/2016 1101h	8/23/2016 1303h	E200.8	0.0300	**0.0452**	
Lead	mg/L	8/22/2016 1101h	8/23/2016 1038h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/22/2016 1101h	8/30/2016 1807h	E200.7	10.0	**22.2**	
Manganese	mg/L	8/22/2016 1101h	8/23/2016 852h	E200.8	0.0100	**0.158**	
Mercury	mg/L	8/25/2016 1500h	8/26/2016 842h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/22/2016 1101h	8/23/2016 852h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	8/22/2016 1101h	8/23/2016 852h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/22/2016 1101h	8/30/2016 1840h	E200.7	1.00	**7.08**	
Selenium	mg/L	8/22/2016 1101h	8/23/2016 852h	E200.8	0.00500	< 0.00500	
Silver	mg/L	8/22/2016 1101h	8/23/2016 852h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/22/2016 1101h	8/30/2016 1718h	E200.7	50.0	**608**	2
Thallium	mg/L	8/22/2016 1101h	8/23/2016 1038h	E200.8	0.000500	< 0.000500	
Tin	mg/L	8/22/2016 1101h	8/23/2016 852h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/22/2016 1101h	8/23/2016 1119h	E200.8	0.000300	**0.000766**	
Vanadium	mg/L	8/22/2016 1101h	8/30/2016 1840h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/22/2016 1101h	8/23/2016 852h	E200.8	0.0100	< 0.0100	

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-003
Client Sample ID: MW-11_08162016
Collection Date: 8/16/2016 1200h
Received Date: 8/19/2016 1040h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/23/2016 920h	8/23/2016 1623h	E350.1	0.0500	**0.673**	
Bicarbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	**298**	
Carbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/22/2016 1950h	E300.0	10.0	**33.9**	
Fluoride	mg/L		8/22/2016 2222h	E300.0	0.100	**0.467**	
Ion Balance	%		9/1/2016	Calc.	-100	**1.53**	
Nitrate/Nitrite (as N)	mg/L		8/19/2016 2020h	E353.2	0.100	< 0.100	
Sulfate	mg/L		8/22/2016 1536h	E300.0	1,000	**1,160**	
Total Anions, Measured	meq/L		9/1/2016	Calc.		**31.0**	
Total Cations, Measured	meq/L		9/1/2016	Calc.		**32.0**	
Total Dissolved Solids	mg/L		8/22/2016 1111h	SM2540C	20.0	**2,070**	
Total Dissolved Solids Ratio, Measured/Calculated			9/1/2016	Calc.		**0.997**	
Total Dissolved Solids, Calculated	mg/L		9/1/2016	Calc.		**2,080**	

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

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-003E
Client Sample ID: MW-11_08162016
Collection Date: 8/16/2016 1200h
Received Date: 8/19/2016 1040h

Test Code: 8260-W-DEN100

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

Analyzed: 8/20/2016 1244h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	48.9	50.00	97.7	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	46.8	50.00	93.7	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.5	50.00	99.0	80-124	
Surr: Toluene-d8	2037-26-5	48.8	50.00	97.7	77-129	

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 20, 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_08162016	Project:	DNMI00100
Sample ID:	404304002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	16-AUG-16 12:00		
Receive Date:	22-AUG-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.193	0.953	1.00	pCi/L			AXM6	09/19/16	1646	1596160	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			98.2	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608512-003
Client Sample ID: MW-12_08192016
Collection Date: 8/19/2016 1000h
Received Date: 8/25/2016 940h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	8/25/2016 1140h	8/26/2016 1121h	E200.8	0.00500	**0.0277**	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-004
Client Sample ID: MW-14_08172016
Collection Date: 8/17/2016 1525h
Received Date: 8/19/2016 1040h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/22/2016 1101h	8/23/2016 907h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/22/2016 1101h	8/23/2016 1041h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/22/2016 1101h	8/23/2016 907h	E200.8	0.000500	**0.00134**	
Calcium	mg/L	8/22/2016 1101h	8/30/2016 1735h	E200.7	50.0	**510**	
Chromium	mg/L	8/22/2016 1101h	8/23/2016 907h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/22/2016 1101h	8/23/2016 907h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/22/2016 1101h	8/23/2016 907h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/22/2016 1101h	8/23/2016 1306h	E200.8	0.0300	< 0.0300	
Lead	mg/L	8/22/2016 1101h	8/23/2016 1041h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/22/2016 1101h	8/30/2016 1814h	E200.7	10.0	**151**	
Manganese	mg/L	8/22/2016 1101h	8/23/2016 948h	E200.8	0.0100	**2.06**	
Mercury	mg/L	8/25/2016 1500h	8/26/2016 847h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/22/2016 1101h	8/23/2016 907h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	8/22/2016 1101h	8/23/2016 907h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/22/2016 1101h	8/30/2016 1847h	E200.7	1.00	**12.5**	
Selenium	mg/L	8/22/2016 1101h	8/23/2016 907h	E200.8	0.00500	< 0.00500	
Silver	mg/L	8/22/2016 1101h	8/23/2016 907h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/22/2016 1101h	8/30/2016 1735h	E200.7	50.0	**362**	
Thallium	mg/L	8/22/2016 1101h	8/23/2016 1041h	E200.8	0.000500	< 0.000500	
Tin	mg/L	8/22/2016 1101h	8/23/2016 907h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/22/2016 1101h	8/23/2016 1122h	E200.8	0.000300	**0.0577**	
Vanadium	mg/L	8/22/2016 1101h	8/30/2016 1847h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/22/2016 1101h	8/23/2016 907h	E200.8	0.0100	**0.0154**	

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: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-004
Client Sample ID: MW-14_08172016
Collection Date: 8/17/2016 1525h
Received Date: 8/19/2016 1040h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/23/2016 920h	8/23/2016 1626h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	**368**	
Carbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/22/2016 2007h	E300.0	10.0	**20.5**	
Fluoride	mg/L		8/22/2016 2239h	E300.0	0.100	**0.149**	
Ion Balance	%		9/1/2016	Calc.	-100	**-0.514**	
Nitrate/Nitrite (as N)	mg/L		8/19/2016 2021h	E353.2	0.100	< 0.100	
Sulfate	mg/L		8/22/2016 1719h	E300.0	1,000	**2,240**	
Total Anions, Measured	meq/L		9/1/2016	Calc.		**54.5**	
Total Cations, Measured	meq/L		9/1/2016	Calc.		**53.9**	
Total Dissolved Solids	mg/L		8/22/2016 1111h	SM2540C	20.0	**3,410**	
Total Dissolved Solids Ratio, Measured/Calculated			9/1/2016	Calc.		**0.970**	
Total Dissolved Solids, Calculated	mg/L		9/1/2016	Calc.		**3,510**	

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

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-004E
Client Sample ID: MW-14_08172016
Collection Date: 8/17/2016 1525h
Received Date: 8/19/2016 1040h

Test Code: 8260-W-DEN100

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

Analyzed: 8/20/2016 1700h
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	49.9	50.00	99.8	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.2	50.00	94.3	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.9	50.00	99.8	80-124	
Surr: Toluene-d8	2037-26-5	49.5	50.00	99.0	77-129	

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 20, 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_08172016	Project:	DNMI00100
Sample ID:	404304003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	17-AUG-16 15:25		
Receive Date:	22-AUG-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.307	0.976	1.00	pCi/L			AXM6	09/20/16	0714	1596160	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			98.9	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-001
Client Sample ID: MW-15_08182016
Collection Date: 8/18/2016 1030h
Received Date: 8/19/2016 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	8/22/2016 1101h	8/23/2016 849h	E200.8	0.00500	**0.110**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608512-004
Client Sample ID: MW-18_08232016
Collection Date: 8/23/2016 1340h
Received Date: 8/25/2016 940h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Thallium	mg/L	8/25/2016 1140h	8/26/2016 1124h	E200.8	0.000500	**0.00258**	

American West ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608512-004
Client Sample ID: MW-18_08232016
Collection Date: 8/23/2016 1340h
Received Date: 8/25/2016 940h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Sulfate	mg/L		9/2/2016 459h	E300.0	1,000	**1,960**	
Total Dissolved Solids	mg/L		8/25/2016 1250h	SM2540C	20.0	**3,180**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608512-005
Client Sample ID: MW-19_08232016
Collection Date: 8/23/2016 1450h
Received Date: 8/25/2016 940h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Nitrate/Nitrite (as N)	mg/L		8/26/2016 1805h	E353.2	0.100	**2.62**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1609477-002
Client Sample ID: MW-24_09222016
Collection Date: 9/22/2016 830h
Received Date: 9/23/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	9/23/2016 1201h	9/26/2016 940h	E200.8	0.000500	**0.00397**	
Thallium	mg/L	9/23/2016 1201h	9/26/2016 1017h	E200.8	0.000500	**0.00157**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1609477-002
Client Sample ID: MW-24_09222016
Collection Date: 9/22/2016 830h
Received Date: 9/23/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Fluoride	mg/L		9/28/2016 2115h	E300.0	0.100	**0.135**	
Sulfate	mg/L		9/28/2016 2024h	E300.0	1,000	**2,460**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-005
Client Sample ID: MW-25_08172016
Collection Date: 8/17/2016 1245h
Received Date: 8/19/2016 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/22/2016 1101h	8/23/2016 910h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/22/2016 1101h	8/23/2016 1044h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/22/2016 1101h	8/23/2016 910h	E200.8	0.000500	**0.00137**	
Calcium	mg/L	8/22/2016 1101h	9/1/2016 1217h	E200.7	50.0	**342**	
Chromium	mg/L	8/22/2016 1101h	8/23/2016 910h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/22/2016 1101h	8/23/2016 910h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/22/2016 1101h	8/23/2016 910h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/22/2016 1101h	8/23/2016 1310h	E200.8	0.0300	< 0.0300	
Lead	mg/L	8/22/2016 1101h	8/23/2016 1044h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/22/2016 1101h	8/30/2016 1817h	E200.7	10.0	**119**	
Manganese	mg/L	8/22/2016 1101h	8/23/2016 910h	E200.8	0.0100	**1.47**	
Mercury	mg/L	8/25/2016 1500h	8/26/2016 856h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/22/2016 1101h	8/23/2016 910h	E200.8	0.0100	**0.0138**	
Nickel	mg/L	8/22/2016 1101h	8/23/2016 910h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/22/2016 1101h	8/30/2016 1856h	E200.7	1.00	**10.2**	
Selenium	mg/L	8/22/2016 1101h	8/23/2016 910h	E200.8	0.00500	< 0.00500	
Silver	mg/L	8/22/2016 1101h	8/23/2016 910h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/22/2016 1101h	9/1/2016 1217h	E200.7	50.0	**291**	
Thallium	mg/L	8/22/2016 1101h	8/23/2016 1044h	E200.8	0.000500	**0.000839**	
Tin	mg/L	8/22/2016 1101h	8/23/2016 910h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/22/2016 1101h	8/23/2016 1125h	E200.8	0.000300	**0.00633**	
Vanadium	mg/L	8/22/2016 1101h	8/30/2016 1856h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/22/2016 1101h	8/23/2016 910h	E200.8	0.0100	< 0.0100	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-005
Client Sample ID: MW-25_08172016
Collection Date: 8/17/2016 1245h
Received Date: 8/19/2016 1040h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/23/2016 920h	8/23/2016 1628h	E350.1	0.0500	**0.453**	
Bicarbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	**326**	
Carbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/22/2016 2024h	E300.0	10.0	**32.2**	
Fluoride	mg/L		8/22/2016 2256h	E300.0	0.100	**0.315**	
Ion Balance	%		9/1/2016	Calc.	-100	**-2.96**	
Nitrate/Nitrite (as N)	mg/L		8/19/2016 2023h	E353.2	0.100	< 0.100	
Sulfate	mg/L		8/22/2016 1736h	E300.0	1,000	**1,670**	
Total Anions, Measured	meq/L		9/1/2016	Calc.		**42.2**	
Total Cations, Measured	meq/L		9/1/2016	Calc.		**39.7**	
Total Dissolved Solids	mg/L		8/22/2016 1111h	SM2540C	20.0	**2,590**	
Total Dissolved Solids Ratio, Measured/Calculated			9/1/2016	Calc.		**0.975**	
Total Dissolved Solids, Calculated	mg/L		9/1/2016	Calc.		**2,660**	

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

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-005E
Client Sample ID: MW-25_08172016
Collection Date: 8/17/2016 1245h
Received Date: 8/19/2016 1040h

Test Code: 8260-W-DEN100

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

Analyzed: 8/20/2016 1720h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	49.6	50.00	99.2	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	46.6	50.00	93.2	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.1	50.00	98.3	80-124	
Surr: Toluene-d8	2037-26-5	49.6	50.00	99.3	77-129	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 20, 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_08172016	Project:	DNMI00100
Sample ID:	404304004	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	17-AUG-16 12:45		
Receive Date:	22-AUG-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.312	0.959	1.00	pCi/L			AXM6	09/19/16	1650	1596160	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"			86.8	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-006
Client Sample ID: MW-26_08182016
Collection Date: 8/18/2016 930h
Received Date: 8/19/2016 1040h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/22/2016 1101h	8/23/2016 923h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/22/2016 1101h	8/23/2016 1047h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/22/2016 1101h	8/23/2016 923h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	8/22/2016 1101h	8/30/2016 1740h	E200.7	50.0	**474**	
Chromium	mg/L	8/22/2016 1101h	8/23/2016 923h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/22/2016 1101h	8/23/2016 923h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/22/2016 1101h	8/23/2016 923h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/22/2016 1101h	8/23/2016 923h	E200.8	0.100	**0.659**	
Lead	mg/L	8/22/2016 1101h	8/23/2016 1047h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/22/2016 1101h	8/30/2016 1826h	E200.7	10.0	**162**	
Manganese	mg/L	8/22/2016 1101h	8/23/2016 923h	E200.8	0.0100	**0.714**	
Mercury	mg/L	8/25/2016 1500h	8/26/2016 858h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/22/2016 1101h	8/23/2016 923h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	8/22/2016 1101h	8/23/2016 923h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/22/2016 1101h	8/30/2016 1858h	E200.7	1.00	**11.0**	
Selenium	mg/L	8/22/2016 1101h	8/23/2016 923h	E200.8	0.00500	**0.00563**	
Silver	mg/L	8/22/2016 1101h	8/23/2016 923h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/22/2016 1101h	8/30/2016 1740h	E200.7	50.0	**197**	
Thallium	mg/L	8/22/2016 1101h	8/23/2016 1047h	E200.8	0.000500	< 0.000500	
Tin	mg/L	8/22/2016 1101h	8/23/2016 923h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/22/2016 1101h	8/23/2016 1128h	E200.8	0.000300	**0.0342**	
Vanadium	mg/L	8/22/2016 1101h	8/30/2016 1858h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/22/2016 1101h	8/23/2016 923h	E200.8	0.0100	< 0.0100	

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: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-006
Client Sample ID: MW-26_08182016
Collection Date: 8/18/2016 930h
Received Date: 8/19/2016 1040h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/23/2016 920h	8/23/2016 1634h	E350.1	0.0500	**0.106**	
Bicarbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	**329**	
Carbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/22/2016 2041h	E300.0	10.0	**78.6**	
Fluoride	mg/L		8/22/2016 2313h	E300.0	0.100	**0.299**	
Ion Balance	%		9/1/2016	Calc.	-100	**-3.35**	
Nitrate/Nitrite (as N)	mg/L		8/19/2016 2024h	E353.2	0.100	**2.70**	
Sulfate	mg/L		8/22/2016 1753h	E300.0	1,000	**1,930**	
Total Anions, Measured	meq/L		9/1/2016	Calc.		**49.1**	
Total Cations, Measured	meq/L		9/1/2016	Calc.		**45.9**	
Total Dissolved Solids	mg/L		8/22/2016 1111h	SM2540C	20.0	**3,050**	
Total Dissolved Solids Ratio, Measured/Calculated			9/1/2016	Calc.		**0.998**	
Total Dissolved Solids, Calculated	mg/L		9/1/2016	Calc.		**3,060**	

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

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-006E
Client Sample ID: MW-26_08182016
Collection Date: 8/18/2016 930h
Received Date: 8/19/2016 1040h

Test Code: 8260-W-DEN100

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

Analyzed: 8/22/2016 957h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**2,950**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,490	2,500	99.4	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,360	2,500	94.6	80-152	
Surr: Dibromofluoromethane	1868-53-7	2,520	2,500	101	80-124	
Surr: Toluene-d8	2037-26-5	2,470	2,500	98.6	77-129	

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

Analyzed: 8/20/2016 1740h
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	**6.08**	
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	99.0	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.2	50.00	94.5	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.9	50.00	99.7	80-124	
Surr: Toluene-d8	2037-26-5	48.5	50.00	96.9	77-129	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 20, 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_08182016	Project:	DNMI00100
Sample ID:	404304005	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	18-AUG-16 09:30		
Receive Date:	22-AUG-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		1.64	+/-0.392	0.995	1.00	pCi/L			AXM6	09/19/16	1650	1596160	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
.	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			102	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608512-006
Client Sample ID: MW-27_08242016
Collection Date: 8/24/2016 1425h
Received Date: 8/25/2016 940h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/2/2016 550h	E300.0	10.0	**42.3**	
Nitrate/Nitrite (as N)	mg/L		8/26/2016 1809h	E353.2	0.100	**6.46**	
Sulfate	mg/L		9/2/2016 606h	E300.0	100	**383**	
Total Dissolved Solids	mg/L		8/25/2016 1250h	SM2540C	20.0	**960**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 28, 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_08242016	Project:	DNMI00100
Sample ID:	405138001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	24-AUG-16 14:25		
Receive Date:	02-SEP-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.261	0.990	1.00	pCi/L			AXM6	09/19/16	1646	1596160	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

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

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1609036-002
Client Sample ID: MW-28_09012016
Collection Date: 9/1/2016 1100h
Received Date: 9/2/2016 1006h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	9/6/2016 1051h	9/7/2016 1145h	E200.8	0.000500	**0.00514**	
Uranium	mg/L	9/6/2016 1051h	9/7/2016 1222h	E200.8	0.000300	**0.00471**	
Vanadium	mg/L	9/6/2016 1051h	9/7/2016 1145h	E200.8	0.0150	< 0.0150	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1609036-002
Client Sample ID: MW-28_09012016
Collection Date: 9/1/2016 1100h
Received Date: 9/2/2016 1006h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2016 1432h	E300.0	100	**127**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1609036-003
Client Sample ID: MW-29_09012016
Collection Date: 9/1/2016 1015h
Received Date: 9/2/2016 1006h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Sulfate	mg/L		9/12/2016 1308h	E300.0	1,000	**2,750**	
Total Dissolved Solids	mg/L		9/2/2016 1230h	SM2540C	20.0	**4,410**	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-007
Client Sample ID: MW-30_08182016
Collection Date: 8/18/2016 1040h
Received Date: 8/19/2016 1040h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/22/2016 1101h	8/23/2016 926h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/22/2016 1101h	8/23/2016 1050h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/22/2016 1101h	8/23/2016 926h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	8/22/2016 1101h	8/30/2016 1757h	E200.7	50.0	**269**	
Chromium	mg/L	8/22/2016 1101h	8/23/2016 926h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/22/2016 1101h	8/23/2016 926h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/22/2016 1101h	8/23/2016 926h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/22/2016 1101h	8/23/2016 1313h	E200.8	0.0300	< 0.0300	
Lead	mg/L	8/22/2016 1101h	8/23/2016 1050h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/22/2016 1101h	8/30/2016 1828h	E200.7	10.0	**73.6**	
Manganese	mg/L	8/22/2016 1101h	8/23/2016 926h	E200.8	0.0100	**0.0140**	
Mercury	mg/L	8/25/2016 1500h	8/26/2016 900h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/22/2016 1101h	8/23/2016 926h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	8/22/2016 1101h	8/23/2016 926h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/22/2016 1101h	8/30/2016 1900h	E200.7	1.00	**6.52**	
Selenium	mg/L	8/22/2016 1101h	8/23/2016 926h	E200.8	0.00500	**0.0431**	
Silver	mg/L	8/22/2016 1101h	8/23/2016 926h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/22/2016 1101h	8/31/2016 1105h	E200.7	10.0	**110**	
Thallium	mg/L	8/22/2016 1101h	8/23/2016 1050h	E200.8	0.000500	< 0.000500	
Tin	mg/L	8/22/2016 1101h	8/23/2016 926h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/22/2016 1101h	8/23/2016 1131h	E200.8	0.000300	**0.00823**	
Vanadium	mg/L	8/22/2016 1101h	8/30/2016 1900h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/22/2016 1101h	8/23/2016 926h	E200.8	0.0100	< 0.0100	

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: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-007
Client Sample ID: MW-30_08182016
Collection Date: 8/18/2016 1040h
Received Date: 8/19/2016 1040h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/23/2016 920h	8/23/2016 1635h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	**147**	
Carbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/22/2016 1429h	E300.0	100	**150**	
Fluoride	mg/L		8/23/2016 037h	E300.0	0.100	**0.399**	
Ion Balance	%		9/1/2016	Calc.	-100	**0.623**	
Nitrate/Nitrite (as N)	mg/L		8/19/2016 2025h	E353.2	0.100	**18.0**	
Sulfate	mg/L		8/22/2016 1429h	E300.0	100	**800**	
Total Anions, Measured	meq/L		9/1/2016	Calc.		**24.1**	
Total Cations, Measured	meq/L		9/1/2016	Calc.		**24.4**	
Total Dissolved Solids	mg/L		8/22/2016 1111h	SM2540C	20.0	**1,500**	
Total Dissolved Solids Ratio, Measured/Calculated			9/1/2016	Calc.		**0.993**	
Total Dissolved Solids, Calculated	mg/L		9/1/2016	Calc.		**1,520**	

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

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-007E
Client Sample ID: MW-30_08182016
Collection Date: 8/18/2016 1040h
Received Date: 8/19/2016 1040h

Test Code: 8260-W-DEN100

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

Analyzed: 8/22/2016 1056h
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	98.5	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	46.6	50.00	93.3	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.7	50.00	99.4	80-124	
Surr: Toluene-d8	2037-26-5	48.8	50.00	97.6	77-129	

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 20, 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_08182016	Project:	DNMI00100
Sample ID:	404304006	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	18-AUG-16 10:40		
Receive Date:	22-AUG-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.325	0.976	1.00	pCi/L			AXM6	09/19/16	1647	1596160	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"			60.3	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-008
Client Sample ID: MW-31_08162016
Collection Date: 8/16/2016 1335h
Received Date: 8/19/2016 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/22/2016 1101h	8/23/2016 929h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/22/2016 1101h	8/23/2016 1054h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/22/2016 1101h	8/23/2016 929h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	8/22/2016 1101h	8/30/2016 1759h	E200.7	50.0	**246**	
Chromium	mg/L	8/22/2016 1101h	8/23/2016 929h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/22/2016 1101h	8/23/2016 929h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/22/2016 1101h	8/23/2016 929h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/22/2016 1101h	8/23/2016 1316h	E200.8	0.0300	< 0.0300	
Lead	mg/L	8/22/2016 1101h	8/23/2016 1054h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/22/2016 1101h	8/30/2016 1830h	E200.7	10.0	**109**	
Manganese	mg/L	8/22/2016 1101h	8/23/2016 929h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	8/25/2016 1500h	8/26/2016 901h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/22/2016 1101h	8/23/2016 929h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	8/22/2016 1101h	8/23/2016 929h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/22/2016 1101h	8/30/2016 1902h	E200.7	1.00	**6.76**	
Selenium	mg/L	8/22/2016 1101h	8/23/2016 929h	E200.8	0.00500	**0.0854**	
Silver	mg/L	8/22/2016 1101h	8/23/2016 929h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/22/2016 1101h	8/31/2016 1108h	E200.7	10.0	**108**	
Thallium	mg/L	8/22/2016 1101h	8/23/2016 1054h	E200.8	0.000500	< 0.000500	
Tin	mg/L	8/22/2016 1101h	8/23/2016 929h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/22/2016 1101h	8/23/2016 1134h	E200.8	0.000300	**0.00941**	
Vanadium	mg/L	8/22/2016 1101h	8/30/2016 1902h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/22/2016 1101h	8/23/2016 929h	E200.8	0.0100	< 0.0100	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-008
Client Sample ID: MW-31_08162016
Collection Date: 8/16/2016 1335h
Received Date: 8/19/2016 1040h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/23/2016 920h	8/23/2016 1636h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	**156**	
Carbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/22/2016 1519h	E300.0	100	**272**	
Fluoride	mg/L		8/23/2016 054h	E300.0	0.100	**0.770**	
Ion Balance	%		9/1/2016	Calc.	-100	**-1.74**	
Nitrate/Nitrite (as N)	mg/L		8/19/2016 2044h	E353.2	0.200	**19.7**	
Sulfate	mg/L		8/22/2016 1519h	E300.0	100	**766**	
Total Anions, Measured	meq/L		9/1/2016	Calc.		**27.1**	
Total Cations, Measured	meq/L		9/1/2016	Calc.		**26.1**	
Total Dissolved Solids	mg/L		8/22/2016 1111h	SM2540C	20.0	**1,710**	
Total Dissolved Solids Ratio, Measured/Calculated			9/1/2016	Calc.		**1.05**	
Total Dissolved Solids, Calculated	mg/L		9/1/2016	Calc.		**1,620**	

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

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-008E
Client Sample ID: MW-31_08162016
Collection Date: 8/16/2016 1335h
Received Date: 8/19/2016 1040h

Test Code: 8260-W-DEN100

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

Analyzed: 8/20/2016 1820h
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	49.3	50.00	98.6	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	46.9	50.00	93.8	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.4	50.00	98.8	80-124	
Surr: Toluene-d8	2037-26-5	49.4	50.00	98.8	77-129	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 20, 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_08162016	Project:	DNMI00100
Sample ID:	404304007	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	16-AUG-16 13:35		
Receive Date:	22-AUG-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.298	0.966	1.00	pCi/L			AXM6	09/19/16	1647	1596160	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"			91.9	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-002
Client Sample ID: MW-32_08172016
Collection Date: 8/17/2016 1235h
Received Date: 8/19/2016 1040h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		8/22/2016 1934h	E300.0	10.0	**38.3**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 20, 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_08172016	Project:	DNMI00100
Sample ID:	404304001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	17-AUG-16 12:35		
Receive Date:	22-AUG-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		2.56	+/-0.449	0.981	1.00	pCi/L			AXM6	09/19/16	1646	1596160	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			102	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-009
Client Sample ID: MW-35_08162016
Collection Date: 8/16/2016 1350h
Received Date: 8/19/2016 1040h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/22/2016 1101h	8/23/2016 932h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/22/2016 1101h	8/23/2016 1057h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/22/2016 1101h	8/23/2016 932h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	8/22/2016 1101h	8/30/2016 1801h	E200.7	50.0	**521**	
Chromium	mg/L	8/22/2016 1101h	8/23/2016 932h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/22/2016 1101h	8/23/2016 932h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/22/2016 1101h	8/23/2016 932h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/22/2016 1101h	8/23/2016 1319h	E200.8	0.0300	**0.0941**	
Lead	mg/L	8/22/2016 1101h	8/23/2016 1057h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/22/2016 1101h	8/30/2016 1833h	E200.7	10.0	**160**	
Manganese	mg/L	8/22/2016 1101h	8/23/2016 932h	E200.8	0.0100	**0.204**	
Mercury	mg/L	8/25/2016 1500h	8/26/2016 903h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/22/2016 1101h	8/23/2016 932h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	8/22/2016 1101h	8/23/2016 932h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/22/2016 1101h	8/30/2016 1905h	E200.7	1.00	**12.4**	
Selenium	mg/L	8/22/2016 1101h	8/23/2016 932h	E200.8	0.00500	**0.0168**	
Silver	mg/L	8/22/2016 1101h	8/23/2016 932h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/22/2016 1101h	8/30/2016 1801h	E200.7	50.0	**411**	
Thallium	mg/L	8/22/2016 1101h	8/23/2016 1057h	E200.8	0.000500	< 0.000500	
Tin	mg/L	8/22/2016 1101h	8/23/2016 932h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/22/2016 1101h	8/23/2016 1137h	E200.8	0.000300	**0.0222**	
Vanadium	mg/L	8/22/2016 1101h	8/30/2016 1905h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/22/2016 1101h	8/23/2016 932h	E200.8	0.0100	< 0.0100	

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: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-009
Client Sample ID: MW-35_08162016
Collection Date: 8/16/2016 1350h
Received Date: 8/19/2016 1040h

American West ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/23/2016 920h	8/23/2016 1637h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	**328**	
Carbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/22/2016 2058h	E300.0	10.0	**70.1**	
Fluoride	mg/L		8/22/2016 2330h	E300.0	0.100	**0.315**	
Ion Balance	%		9/1/2016	Calc.	-100	**-1.36**	
Nitrate/Nitrite (as N)	mg/L		8/19/2016 2035h	E353.2	0.100	< 0.100	
Sulfate	mg/L		8/22/2016 1809h	E300.0	1,000	**2,420**	
Total Anions, Measured	meq/L		9/1/2016	Calc.		**58.9**	
Total Cations, Measured	meq/L		9/1/2016	Calc.		**57.3**	
Total Dissolved Solids	mg/L		8/22/2016 1111h	SM2540C	20.0	**3,680**	
Total Dissolved Solids Ratio, Measured/Calculated			9/1/2016	Calc.		**0.970**	
Total Dissolved Solids, Calculated	mg/L		9/1/2016	Calc.		**3,790**	

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

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-009E
Client Sample ID: MW-35_08162016
Collection Date: 8/16/2016 1350h
Received Date: 8/19/2016 1040h

Test Code: 8260-W-DEN100

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

Analyzed: 8/20/2016 1839h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.5	50.00	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.6	50.00	95.2	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.2	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	50.0	50.00	99.9	77-129	

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 20, 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_08162016	Project:	DNMI00100
Sample ID:	404304008	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	16-AUG-16 13:50		
Receive Date:	22-AUG-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		2.56	+/-0.443	0.954	1.00	pCi/L			AXM6	09/19/16	1650	1596160	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"			99.6	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-010
Client Sample ID: MW-36_08172016
Collection Date: 8/17/2016 820h
Received Date: 8/19/2016 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/22/2016 1101h	8/23/2016 935h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/22/2016 1101h	8/23/2016 1100h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/22/2016 1101h	8/23/2016 935h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	8/22/2016 1101h	8/30/2016 1803h	E200.7	50.0	**434**	
Chromium	mg/L	8/22/2016 1101h	8/23/2016 935h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/22/2016 1101h	8/23/2016 935h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/22/2016 1101h	8/23/2016 935h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/22/2016 1101h	8/23/2016 1322h	E200.8	0.0300	< 0.0300	
Lead	mg/L	8/22/2016 1101h	8/23/2016 1100h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/22/2016 1101h	8/30/2016 1835h	E200.7	10.0	**162**	
Manganese	mg/L	8/22/2016 1101h	8/23/2016 935h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	8/25/2016 1500h	8/26/2016 905h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/22/2016 1101h	8/23/2016 935h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	8/22/2016 1101h	8/23/2016 935h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/22/2016 1101h	8/30/2016 1907h	E200.7	1.00	**10.6**	
Selenium	mg/L	8/22/2016 1101h	8/23/2016 935h	E200.8	0.00500	**0.245**	
Silver	mg/L	8/22/2016 1101h	8/23/2016 935h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/22/2016 1101h	8/30/2016 1803h	E200.7	50.0	**736**	
Thallium	mg/L	8/22/2016 1101h	8/23/2016 1100h	E200.8	0.000500	**0.000660**	
Tin	mg/L	8/22/2016 1101h	8/23/2016 935h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/22/2016 1101h	8/23/2016 1140h	E200.8	0.000300	**0.0228**	
Vanadium	mg/L	8/22/2016 1101h	8/30/2016 1907h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/22/2016 1101h	8/23/2016 935h	E200.8	0.0100	< 0.0100	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-010
Client Sample ID: MW-36_08172016
Collection Date: 8/17/2016 820h
Received Date: 8/19/2016 1040h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/23/2016 920h	8/23/2016 1638h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	**274**	
Carbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/22/2016 2115h	E300.0	10.0	**61.9**	
Fluoride	mg/L		8/22/2016 2346h	E300.0	0.100	**0.318**	
Ion Balance	%		9/1/2016	Calc.	-100	**-0.158**	
Nitrate/Nitrite (as N)	mg/L		8/19/2016 2036h	E353.2	0.100	**0.219**	
Sulfate	mg/L		8/22/2016 1826h	E300.0	1,000	**2,890**	
Total Anions, Measured	meq/L		9/1/2016	Calc.		**67.5**	
Total Cations, Measured	meq/L		9/1/2016	Calc.		**67.3**	
Total Dissolved Solids	mg/L		8/22/2016 1111h	SM2540C	20.0	**4,150**	
Total Dissolved Solids Ratio, Measured/Calculated			9/1/2016	Calc.		**0.930**	
Total Dissolved Solids, Calculated	mg/L		9/1/2016	Calc.		**4,460**	

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

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-010E
Client Sample ID: MW-36_08172016
Collection Date: 8/17/2016 820h
Received Date: 8/19/2016 1040h

Test Code: 8260-W-DEN100

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

Analyzed: 8/20/2016 1859h
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	49.3	50.00	98.5	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	46.4	50.00	92.8	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.4	50.00	98.8	80-124	
Surr: Toluene-d8	2037-26-5	48.6	50.00	97.3	77-129	

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 20, 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_08172016	Project:	DNMI00100
Sample ID:	404304009	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	17-AUG-16 08:20		
Receive Date:	22-AUG-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		1.16	+/-0.354	0.953	1.00	pCi/L			AXM6	09/19/16	1647	1596160	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"			97.4	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1609477-003
Client Sample ID: MW-37_09212016
Collection Date: 9/21/2016 1210h
Received Date: 9/23/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	9/23/2016 1201h	9/26/2016 943h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	9/23/2016 1201h	9/26/2016 1020h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	9/23/2016 1201h	9/26/2016 943h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	9/23/2016 1201h	9/30/2016 1344h	E200.7	50.0	**467**	2
Chromium	mg/L	9/23/2016 1201h	9/26/2016 943h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	9/23/2016 1201h	9/26/2016 943h	E200.8	0.0100	< 0.0100	
Copper	mg/L	9/23/2016 1201h	9/26/2016 943h	E200.8	0.0100	< 0.0100	
Iron	mg/L	9/23/2016 1201h	9/26/2016 1020h	E200.8	0.0300	< 0.0300	
Lead	mg/L	9/23/2016 1201h	9/26/2016 1020h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	9/23/2016 1201h	9/30/2016 1344h	E200.7	50.0	**135**	2
Manganese	mg/L	9/23/2016 1201h	9/26/2016 943h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	10/3/2016 1545h	10/4/2016 702h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	9/23/2016 1201h	9/26/2016 943h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	9/23/2016 1201h	9/26/2016 943h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	9/23/2016 1201h	9/30/2016 1438h	E200.7	2.00	**16.1**	
Selenium	mg/L	9/23/2016 1201h	9/26/2016 943h	E200.8	0.00500	**0.00573**	
Silver	mg/L	9/23/2016 1201h	9/26/2016 943h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	9/23/2016 1201h	9/30/2016 1344h	E200.7	50.0	**527**	2
Thallium	mg/L	9/23/2016 1201h	9/26/2016 1020h	E200.8	0.000500	**0.000835**	
Tin	mg/L	9/23/2016 1201h	9/26/2016 943h	E200.8	0.100	< 0.100	
Uranium	mg/L	9/23/2016 1201h	9/26/2016 1029h	E200.8	0.000300	**0.0132**	
Vanadium	mg/L	9/23/2016 1201h	9/30/2016 1447h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	9/23/2016 1201h	9/26/2016 943h	E200.8	0.0100	**0.0310**	

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

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1609477-003
Client Sample ID: MW-37_09212016
Collection Date: 9/21/2016 1210h
Received Date: 9/23/2016 1030h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	9/26/2016 1520h	9/26/2016 1745h	E350.1	0.0500	< 0.0500	[1]
Bicarbonate (as CaCO3)	mg/L		9/26/2016 1000h	SM2320B	1.00	**186**	
Carbonate (as CaCO3)	mg/L		9/26/2016 1000h	SM2320B	1.00	< 1.00	
Chloride	mg/L		9/28/2016 2205h	E300.0	10.0	**46.4**	
Fluoride	mg/L		9/28/2016 2132h	E300.0	0.100	**0.318**	
Ion Balance	%		10/3/2016	Calc.	-100	**4.29**	
Nitrate/Nitrite (as N)	mg/L		9/23/2016 1601h	E353.2	0.100	**0.298**	
Sulfate	mg/L		9/28/2016 2239h	E300.0	1,000	**2,300**	
Total Anions, Measured	meq/L		10/3/2016	Calc.		**53.0**	
Total Cations, Measured	meq/L		10/3/2016	Calc.		**57.7**	
Total Dissolved Solids	mg/L		9/23/2016 1335h	SM2540C	20.0	**4,000**	@
Total Dissolved Solids Ratio, Measured/Calculated			10/3/2016	Calc.		**1.11**	
Total Dissolved Solids, Calculated	mg/L		10/3/2016	Calc.		**3,610**	

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

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

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1609477-003E
Client Sample ID: MW-37_09212016
Collection Date: 9/21/2016 1210h
Received Date: 9/23/2016 1030h

Test Code: 8260-W-DEN100

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

Analyzed: 9/23/2016 1317h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.8	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.9	50.00	106	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.1	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	51.2	50.00	102	77-129	

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: October 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-37_09212016	Project:	DNMI00100
Sample ID:	406684001	Client ID:	DNMI001
Matrix:	Water		
Collect Date:	21-SEP-16 12:10		
Receive Date:	24-SEP-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.159	0.552	1.00	pCi/L			AXM6	10/13/16	1932	1603862	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"			97.4	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-011
Client Sample ID: MW-65_08182016
Collection Date: 8/18/2016 1040h
Received Date: 8/19/2016 1040h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	8/22/2016 1101h	8/23/2016 938h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	8/22/2016 1101h	8/23/2016 1103h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	8/22/2016 1101h	8/23/2016 938h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	8/22/2016 1101h	8/30/2016 1805h	E200.7	50.0	**266**	
Chromium	mg/L	8/22/2016 1101h	8/23/2016 938h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	8/22/2016 1101h	8/23/2016 938h	E200.8	0.0100	< 0.0100	
Copper	mg/L	8/22/2016 1101h	8/23/2016 938h	E200.8	0.0100	< 0.0100	
Iron	mg/L	8/22/2016 1101h	8/23/2016 1325h	E200.8	0.0300	< 0.0300	
Lead	mg/L	8/22/2016 1101h	8/23/2016 1103h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	8/22/2016 1101h	8/30/2016 1837h	E200.7	10.0	**74.9**	
Manganese	mg/L	8/22/2016 1101h	8/23/2016 938h	E200.8	0.0100	**0.0145**	
Mercury	mg/L	8/25/2016 1500h	8/26/2016 907h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	8/22/2016 1101h	8/23/2016 938h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	8/22/2016 1101h	8/23/2016 938h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	8/22/2016 1101h	8/30/2016 1909h	E200.7	1.00	**6.61**	
Selenium	mg/L	8/22/2016 1101h	8/23/2016 938h	E200.8	0.00500	**0.0438**	
Silver	mg/L	8/22/2016 1101h	8/23/2016 938h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	8/22/2016 1101h	8/31/2016 1110h	E200.7	10.0	**105**	
Thallium	mg/L	8/22/2016 1101h	8/23/2016 1103h	E200.8	0.000500	< 0.000500	
Tin	mg/L	8/22/2016 1101h	8/23/2016 938h	E200.8	0.100	< 0.100	
Uranium	mg/L	8/22/2016 1101h	8/23/2016 1144h	E200.8	0.000300	**0.00824**	
Vanadium	mg/L	8/22/2016 1101h	8/30/2016 1909h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	8/22/2016 1101h	8/23/2016 938h	E200.8	0.0100	< 0.0100	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-011
Client Sample ID: MW-65_08182016
Collection Date: 8/18/2016 1040h
Received Date: 8/19/2016 1040h

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	8/23/2016 920h	8/23/2016 1638h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	**146**	
Carbonate (as CaCO3)	mg/L		8/22/2016 905h	SM2320B	1.00	< 1.00	
Chloride	mg/L		8/24/2016 1109h	E300.0	100	**147**	
Fluoride	mg/L		8/23/2016 003h	E300.0	0.100	**0.399**	
Ion Balance	%		9/1/2016	Calc.	-100	**1.06**	
Nitrate/Nitrite (as N)	mg/L		8/19/2016 2037h	E353.2	0.100	**17.0**	
Sulfate	mg/L		8/24/2016 1109h	E300.0	100	**784**	
Total Anions, Measured	meq/L		9/1/2016	Calc.		**23.7**	
Total Cations, Measured	meq/L		9/1/2016	Calc.		**24.2**	
Total Dissolved Solids	mg/L		8/22/2016 1111h	SM2540C	20.0	**1,510**	
Total Dissolved Solids Ratio, Measured/Calculated			9/1/2016	Calc.		**1.01**	
Total Dissolved Solids, Calculated	mg/L		9/1/2016	Calc.		**1,490**	

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

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-011E
Client Sample ID: MW-65_08182016
Collection Date: 8/18/2016 1040h
Received Date: 8/19/2016 1040h

Test Code: 8260-W-DEN100

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

Analyzed: 8/22/2016 810h
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	49.4	50.00	98.8	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.6	50.00	95.2	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.7	50.00	99.4	80-124	
Surr: Toluene-d8	2037-26-5	49.5	50.00	99.1	77-129	

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 20, 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_08182016	Project:	DNMI00100
Sample ID:	404304010	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	18-AUG-16 10:40		
Receive Date:	22-AUG-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha	U	1.00	+/-0.271	0.991	1.00	pCi/L			AXM6	09/19/16	1647	1596160	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			96	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1609036-001
Client Sample ID: MW-70_09012016
Collection Date: 9/1/2016 1100h
Received Date: 9/2/2016 1006h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	9/6/2016 1051h	9/7/2016 1135h	E200.8	0.000500	**0.00503**	
Uranium	mg/L	9/6/2016 1051h	9/7/2016 1219h	E200.8	0.000300	**0.00481**	
Vanadium	mg/L	9/6/2016 1051h	9/7/2016 1135h	E200.8	0.0150	< 0.0150	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1609036-001
Client Sample ID: MW-70_09012016
Collection Date: 9/1/2016 1100h
Received Date: 9/2/2016 1006h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/12/2016 1234h	E300.0	10.0	**137**	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1609477-005A
Client Sample ID: Trip Blank
Collection Date: 9/21/2016
Received Date: 9/23/2016 1030h

Test Code: 8260-W-DEN100

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

Analyzed: 9/23/2016 1257h
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	53.1	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.2	50.00	104	80-152	
Surr: Dibromofluoromethane	1868-53-7	51.2	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	50.7	50.00	101	77-129	

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

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Sample ID: 1608400-012A
Client Sample ID: Trip Blank
Collection Date: 8/16/2016
Received Date: 8/19/2016 1040h

Test Code: 8260-W-DEN100

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

Analyzed: 8/22/2016 830h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	50.4	50.00	101	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.2	50.00	94.3	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.3	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	48.8	50.00	97.7	77-129	

American West ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

RE: 3rd Quarter Ground Water 2016

Dear Garrin Palmer: Lab Set ID: 1608400

American West Analytical Laboratories received sample(s) on 8/19/2016 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Kyle F. Gross — Digitally signed by Kyle F. Gross Date: 2016.09.02 10:52:08 -06'00'

Laboratory Director or designee

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

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Set ID: 1608400
Date Received: 8/19/2016 1040h

American West ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1608400-001E	MW-15_08182016	8/18/2016 1030h	Aqueous	ICPMS Metals, Dissolved
1608400-002A	MW-32_08172016	8/17/2016 1235h	Aqueous	Anions, E300.0
1608400-003A	MW-11_08162016	8/16/2016 1200h	Aqueous	Anions, E300.0
1608400-003A	MW-11_08162016	8/16/2016 1200h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1608400-003B	MW-11_08162016	8/16/2016 1200h	Aqueous	Ammonia, Aqueous
1608400-003B	MW-11_08162016	8/16/2016 1200h	Aqueous	Nitrite/Nitrate (as N), E353.2
1608400-003C	MW-11_08162016	8/16/2016 1200h	Aqueous	Total Dissolved Solids, A2540C
1608400-003D	MW-11_08162016	8/16/2016 1200h	Aqueous	Ion Balance
1608400-003D	MW-11_08162016	8/16/2016 1200h	Aqueous	ICPMS Metals, Dissolved
1608400-003D	MW-11_08162016	8/16/2016 1200h	Aqueous	Mercury, Drinking Water Dissolved
1608400-003D	MW-11_08162016	8/16/2016 1200h	Aqueous	ICP Metals, Dissolved
1608400-003E	MW-11_08162016	8/16/2016 1200h	Aqueous	VOA by GC/MS Method 8260C/5030C
1608400-004A	MW-14_08172016	8/17/2016 1525h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1608400-004A	MW-14_08172016	8/17/2016 1525h	Aqueous	Anions, E300.0
1608400-004B	MW-14_08172016	8/17/2016 1525h	Aqueous	Ammonia, Aqueous
1608400-004B	MW-14_08172016	8/17/2016 1525h	Aqueous	Nitrite/Nitrate (as N), E353.2
1608400-004C	MW-14_08172016	8/17/2016 1525h	Aqueous	Total Dissolved Solids, A2540C
1608400-004D	MW-14_08172016	8/17/2016 1525h	Aqueous	ICPMS Metals, Dissolved
1608400-004D	MW-14_08172016	8/17/2016 1525h	Aqueous	Mercury, Drinking Water Dissolved
1608400-004D	MW-14_08172016	8/17/2016 1525h	Aqueous	ICP Metals, Dissolved
1608400-004D	MW-14_08172016	8/17/2016 1525h	Aqueous	Ion Balance
1608400-004E	MW-14_08172016	8/17/2016 1525h	Aqueous	VOA by GC/MS Method 8260C/5030C
1608400-005A	MW-25_08172016	8/17/2016 1245h	Aqueous	Anions, E300.0
1608400-005A	MW-25_08172016	8/17/2016 1245h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1608400-005B	MW-25_08172016	8/17/2016 1245h	Aqueous	Ammonia, Aqueous
1608400-005B	MW-25_08172016	8/17/2016 1245h	Aqueous	Nitrite/Nitrate (as N), E353.2
1608400-005C	MW-25_08172016	8/17/2016 1245h	Aqueous	Total Dissolved Solids, A2540C
1608400-005D	MW-25_08172016	8/17/2016 1245h	Aqueous	ICPMS Metals, Dissolved
1608400-005D	MW-25_08172016	8/17/2016 1245h	Aqueous	Mercury, Drinking Water Dissolved
1608400-005D	MW-25_08172016	8/17/2016 1245h	Aqueous	ICP Metals, Dissolved

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

American West
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2016
Lab Set ID: 1608400
Date Received: 8/19/2016 1040h

Contact: Garrin Palmer

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1608400-005D	MW-25_08172016	8/17/2016	1245h	Aqueous	Ion Balance
1608400-005E	MW-25_08172016	8/17/2016	1245h	Aqueous	VOA by GC/MS Method 8260C/5030C
1608400-006A	MW-26_08182016	8/18/2016	930h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1608400-006A	MW-26_08182016	8/18/2016	930h	Aqueous	Anions, E300.0
1608400-006B	MW-26_08182016	8/18/2016	930h	Aqueous	Ammonia, Aqueous
1608400-006B	MW-26_08182016	8/18/2016	930h	Aqueous	Nitrite/Nitrate (as N), E353.2
1608400-006C	MW-26_08182016	8/18/2016	930h	Aqueous	Total Dissolved Solids, A2540C
1608400-006D	MW-26_08182016	8/18/2016	930h	Aqueous	ICPMS Metals, Dissolved
1608400-006D	MW-26_08182016	8/18/2016	930h	Aqueous	Mercury, Drinking Water Dissolved
1608400-006D	MW-26_08182016	8/18/2016	930h	Aqueous	ICP Metals, Dissolved
1608400-006D	MW-26_08182016	8/18/2016	930h	Aqueous	Ion Balance
1608400-006E	MW-26_08182016	8/18/2016	930h	Aqueous	VOA by GC/MS Method 8260C/5030C
1608400-007A	MW-30_08182016	8/18/2016	1040h	Aqueous	Anions, E300.0
1608400-007A	MW-30_08182016	8/18/2016	1040h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1608400-007B	MW-30_08182016	8/18/2016	1040h	Aqueous	Nitrite/Nitrate (as N), E353.2
1608400-007B	MW-30_08182016	8/18/2016	1040h	Aqueous	Ammonia, Aqueous
1608400-007C	MW-30_08182016	8/18/2016	1040h	Aqueous	Total Dissolved Solids, A2540C
1608400-007D	MW-30_08182016	8/18/2016	1040h	Aqueous	ICPMS Metals, Dissolved
1608400-007D	MW-30_08182016	8/18/2016	1040h	Aqueous	Mercury, Drinking Water Dissolved
1608400-007D	MW-30_08182016	8/18/2016	1040h	Aqueous	ICP Metals, Dissolved
1608400-007D	MW-30_08182016	8/18/2016	1040h	Aqueous	Ion Balance
1608400-007E	MW-30_08182016	8/18/2016	1040h	Aqueous	VOA by GC/MS Method 8260C/5030C
1608400-008A	MW-31_08162016	8/16/2016	1335h	Aqueous	Anions, E300.0
1608400-008A	MW-31_08162016	8/16/2016	1335h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1608400-008B	MW-31_08162016	8/16/2016	1335h	Aqueous	Ammonia, Aqueous
1608400-008B	MW-31_08162016	8/16/2016	1335h	Aqueous	Nitrite/Nitrate (as N), E353.2
1608400-008C	MW-31_08162016	8/16/2016	1335h	Aqueous	Total Dissolved Solids, A2540C
1608400-008D	MW-31_08162016	8/16/2016	1335h	Aqueous	Ion Balance
1608400-008D	MW-31_08162016	8/16/2016	1335h	Aqueous	ICP Metals, Dissolved
1608400-008D	MW-31_08162016	8/16/2016	1335h	Aqueous	ICPMS Metals, Dissolved
1608400-008D	MW-31_08162016	8/16/2016	1335h	Aqueous	Mercury, Drinking Water Dissolved

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2016
Lab Set ID: 1608400
Date Received: 8/19/2016 1040h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1608400-008E	MW-31_08162016	8/16/2016	1335h	Aqueous	VOA by GC/MS Method 8260C/5030C
1608400-009A	MW-35_08162016	8/16/2016	1350h	Aqueous	Anions, E300.0
1608400-009A	MW-35_08162016	8/16/2016	1350h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1608400-009B	MW-35_08162016	8/16/2016	1350h	Aqueous	Ammonia, Aqueous
1608400-009B	MW-35_08162016	8/16/2016	1350h	Aqueous	Nitrite/Nitrate (as N), E353.2
1608400-009C	MW-35_08162016	8/16/2016	1350h	Aqueous	Total Dissolved Solids, A2540C
1608400-009D	MW-35_08162016	8/16/2016	1350h	Aqueous	Mercury, Drinking Water Dissolved
1608400-009D	MW-35_08162016	8/16/2016	1350h	Aqueous	ICP Metals, Dissolved
1608400-009D	MW-35_08162016	8/16/2016	1350h	Aqueous	Ion Balance
1608400-009D	MW-35_08162016	8/16/2016	1350h	Aqueous	ICPMS Metals, Dissolved
1608400-009E	MW-35_08162016	8/16/2016	1350h	Aqueous	VOA by GC/MS Method 8260C/5030C
1608400-010A	MW-36_08172016	8/17/2016	820h	Aqueous	Anions, E300.0
1608400-010A	MW-36_08172016	8/17/2016	820h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1608400-010B	MW-36_08172016	8/17/2016	820h	Aqueous	Ammonia, Aqueous
1608400-010B	MW-36_08172016	8/17/2016	820h	Aqueous	Nitrite/Nitrate (as N), E353.2
1608400-010C	MW-36_08172016	8/17/2016	820h	Aqueous	Total Dissolved Solids, A2540C
1608400-010D	MW-36_08172016	8/17/2016	820h	Aqueous	Ion Balance
1608400-010D	MW-36_08172016	8/17/2016	820h	Aqueous	ICPMS Metals, Dissolved
1608400-010D	MW-36_08172016	8/17/2016	820h	Aqueous	Mercury, Drinking Water Dissolved
1608400-010D	MW-36_08172016	8/17/2016	820h	Aqueous	ICP Metals, Dissolved
1608400-010E	MW-36_08172016	8/17/2016	820h	Aqueous	VOA by GC/MS Method 8260C/5030C
1608400-011A	MW-65_08182016	8/18/2016	1040h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1608400-011A	MW-65_08182016	8/18/2016	1040h	Aqueous	Anions, E300.0
1608400-011B	MW-65_08182016	8/18/2016	1040h	Aqueous	Ammonia, Aqueous
1608400-011B	MW-65_08182016	8/18/2016	1040h	Aqueous	Nitrite/Nitrate (as N), E353.2
1608400-011C	MW-65_08182016	8/18/2016	1040h	Aqueous	Total Dissolved Solids, A2540C
1608400-011D	MW-65_08182016	8/18/2016	1040h	Aqueous	ICPMS Metals, Dissolved
1608400-011D	MW-65_08182016	8/18/2016	1040h	Aqueous	Mercury, Drinking Water Dissolved
1608400-011D	MW-65_08182016	8/18/2016	1040h	Aqueous	ICP Metals, Dissolved
1608400-011D	MW-65_08182016	8/18/2016	1040h	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
ANALYTICAL LABORATORIES

Client: Energy Fuels Resources, Inc.
Project: 3rd Quarter Ground Water 2016
Lab Set ID: 1608400
Date Received: 8/19/2016 1040h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1608400-011E	MW-65_08182016	8/18/2016 1040h	Aqueous	VOA by GC/MS Method 8260C/5030C
1608400-012A	Trip Blank	8/16/2016	Aqueous	VOA by GC/MS Method 8260C/5030C

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

Inorganic Case Narrative

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	3rd Quarter Ground Water 2016
Lab Set ID:	1608400

Sample Receipt Information:

Date of Receipt:	8/19/2016
Dates of Collection:	8/16-8/18/2016
Sample Condition:	Intact
C-O-C Discrepancies:	See Chain-of-Custody

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exception: the MSD percent recovery for Sodium on sample 1608400-003D was outside of the control limits due to high analyte concentration.

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

Corrective Action: None required.

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

Volatile Case Narrative

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	3rd Quarter Ground Water 2016
Lab Set ID:	1608400

Sample Receipt Information:

Date of Receipt:	8/19/2016
Dates of Collection:	8/16-8/18/2016
Sample Condition:	Intact
C-O-C Discrepancies:	See Chain-of-Custody
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Multiple target analytes 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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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-44596**	Date Analyzed:	08/30/2016 1716h											
Test Code:	200.7-DIS	Date Prepared:	08/22/2016 1101h											
Calcium		9.99	mg/L	E200.7	0.0579	1.00	10.00	0	99.9	85 - 115				
Magnesium		9.58	mg/L	E200.7	0.0495	1.00	10.00	0	95.8	85 - 115				
Potassium		10.1	mg/L	E200.7	0.121	1.00	10.00	0	101	85 - 115				
Sodium		10.3	mg/L	E200.7	0.0125	1.00	10.00	0	103	85 - 115				
Vanadium		0.201	mg/L	E200.7	0.000750	0.00500	0.2000	0	100	85 - 115				
Lab Sample ID:	**LCS-44597**	Date Analyzed:	08/23/2016 846h											
Test Code:	200.8-DIS	Date Prepared:	08/22/2016 1101h											
Arsenic		0.203	mg/L	E200.8	0.000540	0.00200	0.2000	0	101	85 - 115				
Beryllium		0.197	mg/L	E200.8	0.000177	0.00200	0.2000	0	98.6	85 - 115				
Cadmium		0.196	mg/L	E200.8	0.0000666	0.000500	0.2000	0	98.1	85 - 115				
Chromium		0.204	mg/L	E200.8	0.000998	0.00200	0.2000	0	102	85 - 115				
Cobalt		0.198	mg/L	E200.8	0.0000990	0.00400	0.2000	0	99.2	85 - 115				
Copper		0.199	mg/L	E200.8	0.000862	0.00200	0.2000	0	99.5	85 - 115				
Iron		1.01	mg/L	E200.8	0.0274	0.100	1.000	0	101	85 - 115				
Lead		0.196	mg/L	E200.8	0.000125	0.00200	0.2000	0	97.9	85 - 115				
Manganese		0.202	mg/L	E200.8	0.000560	0.00200	0.2000	0	101	85 - 115				
Molybdenum		0.199	mg/L	E200.8	0.000202	0.00200	0.2000	0	99.6	85 - 115				
Nickel		0.201	mg/L	E200.8	0.000522	0.00200	0.2000	0	101	85 - 115				
Selenium		0.202	mg/L	E200.8	0.000310	0.00200	0.2000	0	101	85 - 115				
Silver		0.193	mg/L	E200.8	0.000132	0.00200	0.2000	0	96.7	85 - 115				
Thallium		0.197	mg/L	E200.8	0.0000500	0.00200	0.2000	0	98.6	85 - 115				
Tin		1.00	mg/L	E200.8	0.000372	0.00200	1.000	0	100	85 - 115				
Uranium		0.205	mg/L	E200.8	0.0000710	0.00200	0.2000	0	103	85 - 115				
Zinc		0.998	mg/L	E200.8	0.00452	0.00500	1.000	0	99.8	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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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-44677**	Date Analyzed:	08/26/2016 825h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	08/25/2016 1500h											
Mercury		0.00364	mg/L	E245.1	0.00000559	0.000150	0.003330	0	109	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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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-44596**	Date Analyzed:	08/30/2016 1714h											
Test Code:	200.7-DIS	Date Prepared:	08/22/2016 1101h											
Calcium		< 1.00	mg/L	E200.7	0.0579	1.00								
Magnesium		< 1.00	mg/L	E200.7	0.0495	1.00								
Potassium		< 1.00	mg/L	E200.7	0.121	1.00								
Sodium		< 1.00	mg/L	E200.7	0.0125	1.00								
Vanadium		< 0.00500	mg/L	E200.7	0.000750	0.00500								
Lab Sample ID:	**MB-44597**	Date Analyzed:	08/23/2016 842h											
Test Code:	200.8-DIS	Date Prepared:	08/22/2016 1101h											
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-44597**	Date Analyzed:	08/23/2016 942h											
Test Code:	200.8-DIS	Date Prepared:	08/22/2016 1101h											
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								

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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-44597**	Date Analyzed:	08/23/2016 945h											
Test Code:	200.8-DIS	Date Prepared:	08/22/2016 1101h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								
Lab Sample ID:	**MB-44677**	Date Analyzed:	08/26/2016 824h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	08/25/2016 1500h											
Mercury		< 0.000150	mg/L	E245.1	0.00000559	0.000150								

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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:	**1608400-003DMS**	Date Analyzed:	08/30/2016 1731h											
Test Code:	200.7-DIS	Date Prepared:	08/22/2016 1101h											
Sodium		620	mg/L	E200.7	0.625	50.0	10.00	608	115	70 - 130				
Lab Sample ID:	**1608400-003DMS**	Date Analyzed:	08/30/2016 1810h											
Test Code:	200.7-DIS	Date Prepared:	08/22/2016 1101h											
Calcium		79.6	mg/L	E200.7	0.579	10.0	10.00	70.5	91.1	70 - 130				
Magnesium		31.7	mg/L	E200.7	0.495	10.0	10.00	22.2	95.0	70 - 130				
Lab Sample ID:	**1608400-003DMS**	Date Analyzed:	08/30/2016 1842h											
Test Code:	200.7-DIS	Date Prepared:	08/22/2016 1101h											
Potassium		17.2	mg/L	E200.7	0.121	1.00	10.00	7.08	101	70 - 130				
Vanadium		0.203	mg/L	E200.7	0.000750	0.00500	0.2000	0	102	70 - 130				
Lab Sample ID:	**1608400-003DMS**	Date Analyzed:	08/23/2016 901h											
Test Code:	200.8-DIS	Date Prepared:	08/22/2016 1101h											
Arsenic		0.212	mg/L	E200.8	0.000540	0.00200	0.2000	0	106	75 - 125				
Beryllium		0.195	mg/L	E200.8	0.000177	0.00200	0.2000	0	97.6	75 - 125				
Cadmium		0.199	mg/L	E200.8	0.0000666	0.000500	0.2000	0	99.4	75 - 125				
Chromium		0.203	mg/L	E200.8	0.000998	0.00200	0.2000	0	101	75 - 125				
Cobalt		0.197	mg/L	E200.8	0.0000990	0.00400	0.2000	0.000405	98.4	75 - 125				
Copper		0.196	mg/L	E200.8	0.000862	0.00200	0.2000	0	97.8	75 - 125				
Iron		1.05	mg/L	E200.8	0.0274	0.100	1.000	0.0452	100	75 - 125				
Lead		0.192	mg/L	E200.8	0.000125	0.00200	0.2000	0	96.0	75 - 125				
Manganese		0.360	mg/L	E200.8	0.000560	0.00200	0.2000	0.158	101	75 - 125				
Molybdenum		0.212	mg/L	E200.8	0.000202	0.00200	0.2000	0.0022	105	75 - 125				
Nickel		0.200	mg/L	E200.8	0.000522	0.00200	0.2000	0.000846	99.4	75 - 125				
Selenium		0.203	mg/L	E200.8	0.000310	0.00200	0.2000	0	102	75 - 125				
Silver		0.192	mg/L	E200.8	0.000132	0.00200	0.2000	0	95.9	75 - 125				
Thallium		0.193	mg/L	E200.8	0.0000500	0.00200	0.2000	0	96.6	75 - 125				

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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:	**1608400-003DMS**	Date Analyzed:	08/23/2016 901h											
Test Code:	200.8-DIS	Date Prepared:	08/22/2016 1101h											
Tin		1.05	mg/L	E200.8	0.000372	0.00200	1.000	0.000918	105	75 - 125				
Uranium		0.208	mg/L	E200.8	0.0000710	0.00200	0.2000	0.000766	104	75 - 125				
Zinc		1.04	mg/L	E200.8	0.00452	0.00500	1.000	0.00547	103	75 - 125				
Lab Sample ID:	**1608400-003DMS**	Date Analyzed:	08/26/2016 843h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	08/25/2016 1500h											
Mercury		0.00352	mg/L	E245.1	0.00000559	0.000150	0.003330	0	106	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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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:	**1608400-003DMSD**	Date Analyzed:	08/30/2016 1733h											
Test Code:	200.7-DIS	Date Prepared:	08/22/2016 1101h											
Sodium		624	mg/L	E200.7	0.625	50.0	10.00	608	152	70 - 130	620	0.594	20	*
Lab Sample ID:	**1608400-003DMSD**	Date Analyzed:	08/30/2016 1812h											
Test Code:	200.7-DIS	Date Prepared:	08/22/2016 1101h											
Calcium		77.9	mg/L	E200.7	0.579	10.0	10.00	70.5	73.7	70 - 130	79.6	2.22	20	
Magnesium		31.3	mg/L	E200.7	0.495	10.0	10.00	22.2	90.9	70 - 130	31.7	1.28	20	
Lab Sample ID:	**1608400-003DMSD**	Date Analyzed:	08/30/2016 1844h											
Test Code:	200.7-DIS	Date Prepared:	08/22/2016 1101h											
Potassium		17.1	mg/L	E200.7	0.121	1.00	10.00	7.08	100	70 - 130	17.2	0.594	20	
Vanadium		0.203	mg/L	E200.7	0.000750	0.00500	0.2000	0	101	70 - 130	0.203	0.209	20	
Lab Sample ID:	**1608400-003DMSD**	Date Analyzed:	08/23/2016 904h											
Test Code:	200.8-DIS	Date Prepared:	08/22/2016 1101h											
Arsenic		0.209	mg/L	E200.8	0.000540	0.00200	0.2000	0	104	75 - 125	0.212	1.74	20	
Beryllium		0.193	mg/L	E200.8	0.000177	0.00200	0.2000	0	96.5	75 - 125	0.195	1.16	20	
Cadmium		0.196	mg/L	E200.8	0.0000666	0.000500	0.2000	0	98.2	75 - 125	0.199	1.26	20	
Chromium		0.199	mg/L	E200.8	0.000998	0.00200	0.2000	0	99.7	75 - 125	0.203	1.66	20	
Cobalt		0.195	mg/L	E200.8	0.0000990	0.00400	0.2000	0.000405	97.1	75 - 125	0.197	1.30	20	
Copper		0.193	mg/L	E200.8	0.000862	0.00200	0.2000	0	96.6	75 - 125	0.196	1.27	20	
Iron		1.03	mg/L	E200.8	0.0274	0.100	1.000	0.0452	98.5	75 - 125	1.05	1.71	20	
Lead		0.189	mg/L	E200.8	0.000125	0.00200	0.2000	0	94.7	75 - 125	0.192	1.36	20	
Manganese		0.351	mg/L	E200.8	0.000560	0.00200	0.2000	0.158	96.5	75 - 125	0.36	2.58	20	
Molybdenum		0.210	mg/L	E200.8	0.000202	0.00200	0.2000	0.0022	104	75 - 125	0.212	1.03	20	
Nickel		0.197	mg/L	E200.8	0.000522	0.00200	0.2000	0.000846	97.9	75 - 125	0.2	1.53	20	
Selenium		0.201	mg/L	E200.8	0.000310	0.00200	0.2000	0	100	75 - 125	0.203	1.40	20	
Silver		0.188	mg/L	E200.8	0.000132	0.00200	0.2000	0	93.9	75 - 125	0.192	2.09	20	
Thallium		0.191	mg/L	E200.8	0.0000500	0.00200	0.2000	0	95.6	75 - 125	0.193	1.10	20	

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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:	**1608400-003DMSD**	Date Analyzed:	08/23/2016 904h											
Test Code:	200.8-DIS	Date Prepared:	08/22/2016 1101h											
Tin		1.04	mg/L	E200.8	0.000372	0.00200	1.000	0.000918	104	75 - 125	1.05	0.860	20	
Uranium		0.204	mg/L	E200.8	0.0000710	0.00200	0.2000	0.000766	102	75 - 125	0.208	1.99	20	
Zinc		1.03	mg/L	E200.8	0.00452	0.00500	1.000	0.00547	102	75 - 125	1.04	0.821	20	
Lab Sample ID:	**1608400-003DMSD**	Date Analyzed:	08/26/2016 845h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	08/25/2016 1500h											
Mercury		0.00350	mg/L	E245.1	0.00000559	0.000150	0.003330	0	105	85 - 115	0.00352	0.570	20	

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

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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: 1608400-003CDUP Date Analyzed: 08/22/2016 1111h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	2,080	mg/L	SM2540C	17.5	20.0					2070	0.385	5	

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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-R93109 Date Analyzed: 08/22/2016 1321h													
Test Code: 300.0-W													
Chloride	5.33	mg/L	E300.0	0.00516	0.100	5.000	0	107	90 - 110				
Fluoride	5.37	mg/L	E300.0	0.0139	0.100	5.000	0	107	90 - 110				
Sulfate	4.94	mg/L	E300.0	0.0201	0.750	5.000	0	98.9	90 - 110				
Lab Sample ID: LCS-R93177 Date Analyzed: 08/24/2016 1017h													
Test Code: 300.0-W													
Chloride	5.30	mg/L	E300.0	0.00516	0.100	5.000	0	106	90 - 110				
Sulfate	5.34	mg/L	E300.0	0.0201	0.750	5.000	0	107	90 - 110				
Lab Sample ID: LCS-R93064 Date Analyzed: 08/22/2016 905h													
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-44608 Date Analyzed: 08/23/2016 1613h													
Test Code: NH3-W-350.1 Date Prepared: 08/23/2016 920h													
Ammonia (as N)	10.8	mg/L	E350.1	0.0185	0.0500	10.00	0	108	90 - 110				
Lab Sample ID: LCS-R93046 Date Analyzed: 08/19/2016 1940h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.970	mg/L	E353.2	0.00833	0.0100	1.000	0	97.0	90 - 110				
Lab Sample ID: LCS-R93126 Date Analyzed: 08/22/2016 1111h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	200	mg/L	SM2540C	8.77	10.0	205.0	0	97.6	80 - 120				

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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-R93109	Date Analyzed:	08/22/2016 1304h											
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-R93177	Date Analyzed:	08/24/2016 941h											
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-R93064	Date Analyzed:	08/22/2016 905h											
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-44608	Date Analyzed:	08/23/2016 1612h											
Test Code: NH3-W-350.1	Date Prepared:	08/23/2016 920h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-R93046	Date Analyzed:	08/19/2016 1937h											
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-R93126	Date Analyzed:	08/22/2016 1111h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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: 1608399-001AMS Date Analyzed: 08/22/2016 1355h													
Test Code: 300.0-W													
Chloride	145	mg/L	E300.0	0.103	2.00	100.0	37.5	108	90 - 110				
Lab Sample ID: 1608400-007AMS Date Analyzed: 08/22/2016 1445h													
Test Code: 300.0-W													
Chloride	1,230	mg/L	E300.0	1.03	20.0	1,000	150	108	90 - 110				
Fluoride	1,090	mg/L	E300.0	2.78	20.0	1,000	0	109	90 - 110				
Sulfate	1,810	mg/L	E300.0	4.02	150	1,000	800	101	90 - 110				
Lab Sample ID: 1608400-011AMS Date Analyzed: 08/24/2016 1126h													
Test Code: 300.0-W													
Chloride	1,220	mg/L	E300.0	1.03	20.0	1,000	147	107	90 - 110				
Sulfate	1,820	mg/L	E300.0	4.02	150	1,000	784	103	90 - 110				
Lab Sample ID: 1608400-003AMS Date Analyzed: 08/22/2016 905h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	348	mg/L	SM2320B	0.504	1.00	50.00	298	102	80 - 120				
Lab Sample ID: 1608400-003BMS Date Analyzed: 08/23/2016 1624h													
Test Code: NH3-W-350.1 Date Prepared: 08/23/2016 920h													
Ammonia (as N)	12.7	mg/L	E350.1	0.0206	0.0556	11.11	0.673	108	90 - 110				
Lab Sample ID: 1608400-004BMS Date Analyzed: 08/23/2016 1626h													
Test Code: NH3-W-350.1 Date Prepared: 08/23/2016 920h													
Ammonia (as N)	12.0	mg/L	E350.1	0.0206	0.0556	11.11	0.0303	107	90 - 110				
Lab Sample ID: 1608399-001BMS Date Analyzed: 08/19/2016 2018h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	10.2	mg/L	E353.2	0.0833	0.100	10.00	0	102	90 - 110				

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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: 1608399-001AMSD	Date Analyzed:	08/22/2016 1412h											
Test Code: 300.0-W													
Chloride	144	mg/L	E300.0	0.103	2.00	100.0	37.5	107	90 - 110	145	0.634	20	
Lab Sample ID: 1608400-007AMSD	Date Analyzed:	08/22/2016 1502h											
Test Code: 300.0-W													
Chloride	1,220	mg/L	E300.0	1.03	20.0	1,000	150	107	90 - 110	1230	0.606	20	
Fluoride	1,080	mg/L	E300.0	2.78	20.0	1,000	0	108	90 - 110	1090	1.31	20	
Sulfate	1,800	mg/L	E300.0	4.02	150	1,000	800	99.6	90 - 110	1810	0.634	20	
Lab Sample ID: 1608400-011AMSD	Date Analyzed:	08/24/2016 1143h											
Test Code: 300.0-W													
Chloride	1,220	mg/L	E300.0	1.03	20.0	1,000	147	107	90 - 110	1220	0.229	20	
Sulfate	1,840	mg/L	E300.0	4.02	150	1,000	784	105	90 - 110	1820	1.12	20	
Lab Sample ID: 1608400-003AMSD	Date Analyzed:	08/22/2016 905h											
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	348	mg/L	SM2320B	0.504	1.00	50.00	298	100	80 - 120	349	0.259	10	
Lab Sample ID: 1608400-003BMSD	Date Analyzed:	08/23/2016 1625h											
Test Code: NH3-W-350.1	Date Prepared:	08/23/2016 920h											
Ammonia (as N)	12.6	mg/L	E350.1	0.0206	0.0556	11.11	0.673	108	90 - 110	12.7	0.176	10	
Lab Sample ID: 1608400-004BMSD	Date Analyzed:	08/23/2016 1627h											
Test Code: NH3-W-350.1	Date Prepared:	08/23/2016 920h											
Ammonia (as N)	11.9	mg/L	E350.1	0.0206	0.0556	11.11	0.0303	107	90 - 110	12	0.0930	10	
Lab Sample ID: 1608399-001BMSD	Date Analyzed:	08/19/2016 2019h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	10.3	mg/L	E353.2	0.0833	0.100	10.00	0	103	90 - 110	10.2	0.682	10	

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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 082016A Date Analyzed: 08/20/2016 1026h													
Test Code: 8260-W-DEN100													
Benzene	20.2	µg/L	SW8260C	0.270	1.00	20.00	0	101	82 - 132				
Chloroform	18.9	µg/L	SW8260C	0.153	1.00	20.00	0	94.6	85 - 124				
Methylene chloride	20.8	µg/L	SW8260C	0.172	1.00	20.00	0	104	71 - 135				
Naphthalene	17.6	µg/L	SW8260C	0.587	1.00	20.00	0	87.8	63 - 129				
Tetrahydrofuran	15.3	µg/L	SW8260C	0.516	1.00	20.00	0	76.4	59 - 120				
Toluene	19.0	µg/L	SW8260C	0.183	1.00	20.00	0	95.2	78 - 130				
Xylenes, Total	57.5	µg/L	SW8260C	0.857	1.00	60.00	0	95.9	70 - 138				
Surr: 1,2-Dichloroethane-d4	49.4	µg/L	SW8260C			50.00		98.8	80 - 122				
Surr: 4-Bromofluorobenzene	46.7	µg/L	SW8260C			50.00		93.3	85 - 121				
Surr: Dibromofluoromethane	50.8	µg/L	SW8260C			50.00		102	80 - 116				
Surr: Toluene-d8	48.3	µg/L	SW8260C			50.00		96.6	81 - 123				
Lab Sample ID: LCS VOC-1 082216A Date Analyzed: 08/22/2016 711h													
Test Code: 8260-W-DEN100													
Benzene	20.7	µg/L	SW8260C	0.270	1.00	20.00	0	104	82 - 132				
Chloroform	19.2	µg/L	SW8260C	0.153	1.00	20.00	0	95.8	85 - 124				
Methylene chloride	21.7	µg/L	SW8260C	0.172	1.00	20.00	0	109	71 - 135				
Naphthalene	17.2	µg/L	SW8260C	0.587	1.00	20.00	0	86.1	63 - 129				
Tetrahydrofuran	15.5	µg/L	SW8260C	0.516	1.00	20.00	0	77.5	59 - 120				
Toluene	19.8	µg/L	SW8260C	0.183	1.00	20.00	0	99.2	78 - 130				
Xylenes, Total	58.7	µg/L	SW8260C	0.857	1.00	60.00	0	97.8	70 - 138				
Surr: 1,2-Dichloroethane-d4	49.7	µg/L	SW8260C			50.00		99.4	80 - 122				
Surr: 4-Bromofluorobenzene	46.1	µg/L	SW8260C			50.00		92.2	85 - 121				
Surr: Dibromofluoromethane	51.0	µg/L	SW8260C			50.00		102	80 - 116				
Surr: Toluene-d8	48.2	µg/L	SW8260C			50.00		96.4	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 ne of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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 082016A	Date Analyzed:	08/20/2016 1105h											
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	49.8	µg/L	SW8260C			50.00		99.7	80 - 122				
Surr: 4-Bromofluorobenzene	47.4	µg/L	SW8260C			50.00		94.8	85 - 121				
Surr: Dibromofluoromethane	50.2	µg/L	SW8260C			50.00		101	80 - 116				
Surr: Toluene-d8	49.4	µg/L	SW8260C			50.00		98.7	81 - 123				
Lab Sample ID: MB VOC-1 082216A	Date Analyzed:	08/22/2016 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								

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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 082216A	Date Analyzed:	08/22/2016 751h											
Test Code: 8260-W-DEN100													
Xylenes, Total	< 1.00	µg/L	SW8260C	0.857	1.00								
Surr: 1,2-Dichloroethane-d4	49.8	µg/L	SW8260C			50.00		99.6	80 - 122				
Surr: 4-Bromofluorobenzene	47.8	µg/L	SW8260C			50.00		95.6	85 - 121				
Surr: Dibromofluoromethane	49.7	µg/L	SW8260C			50.00		99.5	80 - 116				
Surr: Toluene-d8	49.5	µg/L	SW8260C			50.00		98.9	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 ne of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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: 1608400-003EMS Date Analyzed: 08/20/2016 1303h													
Test Code: 8260-W-DEN100													
Benzene	18.8	µg/L	SW8260C	0.270	1.00	20.00	0	94.2	66 - 145				
Chloroform	17.6	µg/L	SW8260C	0.153	1.00	20.00	0	88.0	50 - 146				
Methylene chloride	19.6	µg/L	SW8260C	0.172	1.00	20.00	0	97.9	30 - 192				
Naphthalene	15.7	µg/L	SW8260C	0.587	1.00	20.00	0	78.4	41 - 131				
Tetrahydrofuran	18.5	µg/L	SW8260C	0.516	1.00	20.00	0	92.6	43 - 146				
Toluene	18.0	µg/L	SW8260C	0.183	1.00	20.00	0	90.0	18 - 192				
Xylenes, Total	53.2	µg/L	SW8260C	0.857	1.00	60.00	0	88.7	42 - 167				
Surr: 1,2-Dichloroethane-d4	49.6	µg/L	SW8260C			50.00		99.1	72 - 151				
Surr: 4-Bromofluorobenzene	46.4	µg/L	SW8260C			50.00		92.8	80 - 152				
Surr: Dibromofluoromethane	50.4	µg/L	SW8260C			50.00		101	80 - 124				
Surr: Toluene-d8	48.7	µg/L	SW8260C			50.00		97.4	77 - 129				
Lab Sample ID: 1608399-001CMS Date Analyzed: 08/22/2016 1219h													
Test Code: 8260-W-DEN100													
Benzene	20.3	µg/L	SW8260C	0.270	1.00	20.00	0	102	66 - 145				
Chloroform	18.9	µg/L	SW8260C	0.153	1.00	20.00	0	94.4	50 - 146				
Methylene chloride	21.4	µg/L	SW8260C	0.172	1.00	20.00	0	107	30 - 192				
Naphthalene	16.9	µg/L	SW8260C	0.587	1.00	20.00	0	84.4	41 - 131				
Tetrahydrofuran	18.4	µg/L	SW8260C	0.516	1.00	20.00	0	92.0	43 - 146				
Toluene	19.1	µg/L	SW8260C	0.183	1.00	20.00	0	95.7	18 - 192				
Xylenes, Total	55.9	µg/L	SW8260C	0.857	1.00	60.00	0	93.2	42 - 167				
Surr: 1,2-Dichloroethane-d4	50.1	µg/L	SW8260C			50.00		100	72 - 151				
Surr: 4-Bromofluorobenzene	46.4	µg/L	SW8260C			50.00		92.8	80 - 152				
Surr: Dibromofluoromethane	50.5	µg/L	SW8260C			50.00		101	80 - 124				
Surr: Toluene-d8	47.9	µg/L	SW8260C			50.00		95.9	77 - 129				

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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: 1608400-006EMS	Date Analyzed:	08/22/2016 1017h											
Test Code: 8260-W-DEN100													
Benzene	1,090	µg/L	SW8260C	13.5	50.0	1,000	0	109	66 - 145				
Chloroform	3,790	µg/L	SW8260C	7.65	50.0	1,000	2950	84.0	50 - 146				
Methylene chloride	1,110	µg/L	SW8260C	8.60	50.0	1,000	0	111	30 - 192				
Naphthalene	897	µg/L	SW8260C	29.4	50.0	1,000	0	89.7	41 - 131				
Tetrahydrofuran	849	µg/L	SW8260C	25.8	50.0	1,000	0	84.9	43 - 146				
Toluene	1,020	µg/L	SW8260C	9.15	50.0	1,000	0	102	18 - 192				
Xylenes, Total	2,960	µg/L	SW8260C	42.8	50.0	3,000	0	98.6	42 - 167				
Surr: 1,2-Dichloroethane-d4	2,540	µg/L	SW8260C			2,500		102	72 - 151				
Surr: 4-Bromofluorobenzene	2,240	µg/L	SW8260C			2,500		89.6	80 - 152				
Surr: Dibromofluoromethane	2,560	µg/L	SW8260C			2,500		103	80 - 124				
Surr: Toluene-d8	2,410	µg/L	SW8260C			2,500		96.5	77 - 129				

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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: 1608400-003EMSD Date Analyzed: 08/20/2016 1323h													
Test Code: 8260-W-DEN100													
Benzene	22.0	µg/L	SW8260C	0.270	1.00	20.00	0	110	66 - 145	18.8	15.6	25	
Chloroform	20.2	µg/L	SW8260C	0.153	1.00	20.00	0	101	50 - 146	17.6	13.7	25	
Methylene chloride	21.4	µg/L	SW8260C	0.172	1.00	20.00	0	107	30 - 192	19.6	9.07	25	
Naphthalene	18.4	µg/L	SW8260C	0.587	1.00	20.00	0	92.0	41 - 131	15.7	16.1	25	
Tetrahydrofuran	18.8	µg/L	SW8260C	0.516	1.00	20.00	0	94.3	43 - 146	18.5	1.71	25	
Toluene	20.5	µg/L	SW8260C	0.183	1.00	20.00	0	102	18 - 192	18	13.0	25	
Xylenes, Total	60.5	µg/L	SW8260C	0.857	1.00	60.00	0	101	42 - 167	53.2	12.7	25	
Surr: 1,2-Dichloroethane-d4	50.0	µg/L	SW8260C			50.00		100	72 - 151				
Surr: 4-Bromofluorobenzene	46.3	µg/L	SW8260C			50.00		92.6	80 - 152				
Surr: Dibromofluoromethane	51.2	µg/L	SW8260C			50.00		102	80 - 124				
Surr: Toluene-d8	48.9	µg/L	SW8260C			50.00		97.8	77 - 129				
Lab Sample ID: 1608399-001CMSD Date Analyzed: 08/22/2016 1239h													
Test Code: 8260-W-DEN100													
Benzene	21.2	µg/L	SW8260C	0.270	1.00	20.00	0	106	66 - 145	20.3	4.19	25	
Chloroform	19.8	µg/L	SW8260C	0.153	1.00	20.00	0	99.0	50 - 146	18.9	4.71	25	
Methylene chloride	19.6	µg/L	SW8260C	0.172	1.00	20.00	0	98.2	30 - 192	21.4	8.29	25	
Naphthalene	17.3	µg/L	SW8260C	0.587	1.00	20.00	0	86.5	41 - 131	16.9	2.40	25	
Tetrahydrofuran	18.0	µg/L	SW8260C	0.516	1.00	20.00	0	89.9	43 - 146	18.4	2.31	25	
Toluene	19.6	µg/L	SW8260C	0.183	1.00	20.00	0	98.2	18 - 192	19.1	2.58	25	
Xylenes, Total	57.4	µg/L	SW8260C	0.857	1.00	60.00	0	95.7	42 - 167	55.9	2.72	25	
Surr: 1,2-Dichloroethane-d4	51.2	µg/L	SW8260C			50.00		102	72 - 151				
Surr: 4-Bromofluorobenzene	45.6	µg/L	SW8260C			50.00		91.2	80 - 152				
Surr: Dibromofluoromethane	51.7	µg/L	SW8260C			50.00		103	80 - 124				
Surr: Toluene-d8	47.7	µg/L	SW8260C			50.00		95.5	77 - 129				

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608400
Project: 3rd Quarter 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: 1608400-006EMSD	Date Analyzed:	08/22/2016 1037h											
Test Code: 8260-W-DEN100													
Benzene	1,030	µg/L	SW8260C	13.5	50.0	1,000	0	103	66 - 145	1090	5.20	25	
Chloroform	3,650	µg/L	SW8260C	7.65	50.0	1,000	2950	69.8	50 - 146	3790	3.82	25	
Methylene chloride	1,080	µg/L	SW8260C	8.60	50.0	1,000	0	108	30 - 192	1110	2.74	25	
Naphthalene	908	µg/L	SW8260C	29.4	50.0	1,000	0	90.8	41 - 131	897	1.22	25	
Tetrahydrofuran	823	µg/L	SW8260C	25.8	50.0	1,000	0	82.3	43 - 146	849	3.11	25	
Toluene	966	µg/L	SW8260C	9.15	50.0	1,000	0	96.6	18 - 192	1020	5.09	25	
Xylenes, Total	2,840	µg/L	SW8260C	42.8	50.0	3,000	0	94.7	42 - 167	2960	4.02	25	
Surr: 1,2-Dichloroethane-d4	2,560	µg/L	SW8260C			2,500		102	72 - 151				
Surr: 4-Bromofluorobenzene	2,290	µg/L	SW8260C			2,500		91.4	80 - 152				
Surr: Dibromofluoromethane	2,580	µg/L	SW8260C			2,500		103	80 - 124				
Surr: Toluene-d8	2,440	µg/L	SW8260C			2,500		97.5	77 - 129				

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

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1608400**

Client: Energy Fuels Resources, Inc.

Due Date: 9/2/2016

Client ID: DEN100

Contact: Garrin Palmer

Project: **3rd Quarter Ground Water 2016**

QC Level: III

WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Alkalinity must be run at full volume, use ALK-W-2320B-LL test code. Groundwater project specific DL's: Run NO2/NO3 as a 10X. Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1608400-001E	**MW-15_08182016**	8/18/2016 1030h	8/19/2016 1040h	**200.8-DIS** *1 SEL Analytes: SE*	Aqueous		df-met	1
				200.8-DIS-PR			df-met	
1608400-002A	**MW-32_08172016**	8/17/2016 1235h	8/19/2016 1040h	**300.0-W** *1 SEL Analytes: CL*	Aqueous		df-cl	1
1608400-003A	**MW-11_08162016**	8/16/2016 1200h	8/19/2016 1040h	**300.0-W** *3 SEL Analytes: CL F SO4*	Aqueous		df-cl	1
				ALK-W-2320B-LL *2 SEL Analytes: ALKB ALKC*			df-cl	
1608400-003B				**NH3-W-350.1** *1 SEL Analytes: NH3N*			DF-NH3	
				NH3-W-PR			DF-NH3	
				NO2/NO3-W-353.2 *1 SEL Analytes: NO3NO2N*			DF-NH3	
1608400-003C				**TDS-W-2540C** *1 SEL Analytes: TDS*			DF-tds	
1608400-003D				**200.7-DIS** *5 SEL Analytes: CA MG K NA V*			DF-Dis Metals	
				200.7-DIS-PR			DF-Dis Metals	
				200.8-DIS *17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN*			DF-Dis Metals	
				200.8-DIS-PR			DF-Dis Metals	
				HG-DW-DIS-245.1 *1 SEL Analytes: HG*			DF-Dis Metals	
				HG-DW-DIS-PR			DF-Dis Metals	
				IONBALANCE *5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc*			DF-Dis Metals	
1608400-003E				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4*			VOCFridge	3

Printed: 8/19/2016 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed 8/19/16

WORK ORDER Summary

Work Order: **1608400**

Client: Energy Fuels Resources, Inc.

Due Date: 9/2/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1608400-004A	**MW-14_08172016**	8/17/2016 1525h	8/19/2016 1040h	**300.0-W** *3 SEL Analytes: CL F SO4*	Aqueous		df-cl	1
				ALK-W-2320B-LL *2 SEL Analytes: ALKB ALKC*			df-cl	
1608400-004B				**NH3-W-350.1** *1 SEL Analytes: NH3N*			DF-NH3	
				NH3-W-PR			DF-NH3	
				NO2/NO3-W-353.2 *1 SEL Analytes: NO3NO2N*			DF-NH3	
1608400-004C				**TDS-W-2540C** *1 SEL Analytes: TDS*			DF-tds	
1608400-004D				**200.7-DIS** *5 SEL Analytes: CA MG K NA V*			DF-Dis Metals	
				200.7-DIS-PR			DF-Dis Metals	
				200.8-DIS *17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN*			DF-Dis Metals	
				200.8-DIS-PR			DF-Dis Metals	
				HG-DW-DIS-245.1 *1 SEL Analytes: HG*			DF-Dis Metals	
				HG-DW-DIS-PR			DF-Dis Metals	
				IONBALANCE *5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc*			DF-Dis Metals	
1608400-004E				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4*			VOCFridge	3
1608400-005A	**MW-25_08172016**	8/17/2016 1245h	8/19/2016 1040h	**300.0-W** *3 SEL Analytes: CL F SO4*	Aqueous		df-cl	1
				ALK-W-2320B-LL *2 SEL Analytes: ALKB ALKC*			df-cl	
1608400-005B				**NH3-W-350.1** *1 SEL Analytes: NH3N*			DF-NH3	
				NH3-W-PR			DF-NH3	
				NO2/NO3-W-353.2 *1 SEL Analytes: NO3NO2N*			DF-NH3	
1608400-005C				**TDS-W-2540C** *1 SEL Analytes: TDS*			DF-tds	
1608400-005D				**200.7-DIS** *5 SEL Analytes: CA MG K NA V*			DF-Dis Metals	
				200.7-DIS-PR			DF-Dis Metals	

Printed: 8/19/2016 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1608400**

Client: Energy Fuels Resources, Inc.

Due Date: 9/2/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1608400-005D	**MW-25_08172016**	8/17/2016 1245h	8/19/2016 1040h	**200.8-DIS** *17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN*	Aqueous		DF-Dis Metals 1
				200.8-DIS-PR			DF-Dis Metals
				HG-DW-DIS-245.1 *1 SEL Analytes: HG*			DF-Dis Metals
				HG-DW-DIS-PR			DF-Dis Metals
				IONBALANCE *5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc*			DF-Dis Metals
1608400-005E				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4*			VOCFridge 3
1608400-006A	**MW-26_08182016**	8/18/2016 0930h	8/19/2016 1040h	**300.0-W** *3 SEL Analytes: CL F SO4*	Aqueous		df-cl 1
				ALK-W-2320B-LL *2 SEL Analytes: ALKB ALKC*			df-cl
1608400-006B				**NH3-W-350.1** *1 SEL Analytes: NH3N*			DF-NH3
				NH3-W-PR			DF-NH3
				NO2/NO3-W-353.2 *1 SEL Analytes: NO3NO2N*			DF-NH3
1608400-006C				**TDS-W-2540C** *1 SEL Analytes: TDS*			DF-tds
1608400-006D				**200.7-DIS** *5 SEL Analytes: CA MG K NA V*			DF-Dis Metals
				200.7-DIS-PR			DF-Dis Metals
				200.8-DIS *17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN*			DF-Dis Metals
				200.8-DIS-PR			DF-Dis Metals
				HG-DW-DIS-245.1 *1 SEL Analytes: HG*			DF-Dis Metals
				HG-DW-DIS-PR			DF-Dis Metals
				IONBALANCE *5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc*			DF-Dis Metals
1608400-006E				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4*			VOCFridge 3
1608400-007A	**MW-30_08182016**	8/18/2016 1040h	8/19/2016 1040h	**300.0-W** *3 SEL Analytes: CL F SO4*	Aqueous		df-cl 1

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1608400**

Client: Energy Fuels Resources, Inc.

Due Date: 9/2/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1608400-007A	**MW-30_08182016**	8/18/2016 1040h	8/19/2016 1040h	**ALK-W-2320B-LL**	Aqueous		df-cl	1
				2 SEL Analytes: ALKB ALKC				
1608400-007B				**NH3-W-350.1**			DF-NH3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			DF-NH3	
				NO2/NO3-W-353.2			DF-NH3	
				1 SEL Analytes: NO3NO2N				
1608400-007C				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1608400-007D				**200.7-DIS**			DF-Dis Metals	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			DF-Dis Metals	
				200.8-DIS			DF-Dis Metals	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR			DF-Dis Metals	
				HG-DW-DIS-245.1			DF-Dis Metals	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR			DF-Dis Metals	
				IONBALANCE			DF-Dis Metals	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1608400-007E				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4				
1608400-008A	**MW-31_08162016**	8/16/2016 1335h	8/19/2016 1040h	**300.0-W**	Aqueous		df-cl	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B-LL			df-cl	
				2 SEL Analytes: ALKB ALKC				
1608400-008B				**NH3-W-350.1**			DF-NH3	
				1 SEL Analytes: NH3N				
				NH3-W-PR			DF-NH3	
				NO2/NO3-W-353.2			DF-NH3	
				1 SEL Analytes: NO3NO2N				
1608400-008C				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1608400-008D				**200.7-DIS**			DF-Dis Metals	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR			DF-Dis Metals	

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1608400**

Client: Energy Fuels Resources, Inc.

Due Date: 9/2/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1608400-008D	**MW-31_08162016**	8/16/2016 1335h	8/19/2016 1040h	**200.8-DIS** *17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN*	Aqueous		DF-Dis Metals 1
				200.8-DIS-PR			DF-Dis Metals
				HG-DW-DIS-245.1 *1 SEL Analytes: HG*			DF-Dis Metals
				HG-DW-DIS-PR			DF-Dis Metals
				IONBALANCE *5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc*			DF-Dis Metals
1608400-008E				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4*			VOCFridge 3
1608400-009A	**MW-35_08162016**	8/16/2016 1350h	8/19/2016 1040h	**300.0-W** *3 SEL Analytes: CL F SO4*	Aqueous		df-cl 1
				ALK-W-2320B-LL *2 SEL Analytes: ALKB ALKC*			df-cl
1608400-009B				**NH3-W-350.1** *1 SEL Analytes: NH3N*			DF-NH3
				NH3-W-PR			DF-NH3
				NO2/NO3-W-353.2 *1 SEL Analytes: NO3NO2N*			DF-NH3
1608400-009C				**TDS-W-2540C** *1 SEL Analytes: TDS*			DF-tds
1608400-009D				**200.7-DIS** *5 SEL Analytes: CA MG K NA V*			DF-Dis Metals
				200.7-DIS-PR			DF-Dis Metals
				200.8-DIS *17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN*			DF-Dis Metals
				200.8-DIS-PR			DF-Dis Metals
				HG-DW-DIS-245.1 *1 SEL Analytes: HG*			DF-Dis Metals
				HG-DW-DIS-PR			DF-Dis Metals
				IONBALANCE *5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc*			DF-Dis Metals
1608400-009E				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4*			VOCFridge 3
1608400-010A	**MW-36_08172016**	8/17/2016 0820h	8/19/2016 1040h	**300.0-W** *3 SEL Analytes: CL F SO4*	Aqueous		df-cl 1

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1608400**

Client: Energy Fuels Resources, Inc.

Due Date: 9/2/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1608400-010A	**MW-36_08172016**	8/17/2016 0820h	8/19/2016 1040h	**ALK-W-2320B-LL** *2 SEL Analytes: ALKB ALKC*	Aqueous		df-cl	1
1608400-010B				**NH3-W-350.1** *1 SEL Analytes: NH3N*			DF-NH3	
				NH3-W-PR			DF-NH3	
				NO2/NO3-W-353.2 *1 SEL Analytes: NO3NO2N*			DF-NH3	
1608400-010C				**TDS-W-2540C** *1 SEL Analytes: TDS*			DF-tds	
1608400-010D				**200.7-DIS** *5 SEL Analytes: CA MG K NA V*			DF-Dis Metals	
				200.7-DIS-PR			DF-Dis Metals	
				200.8-DIS *17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN*			DF-Dis Metals	
				200.8-DIS-PR			DF-Dis Metals	
				HG-DW-DIS-245.1 *1 SEL Analytes: HG*			DF-Dis Metals	
				HG-DW-DIS-PR			DF-Dis Metals	
				IONBALANCE *5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc*			DF-Dis Metals	
1608400-010E				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4*			VOCFridge	3
1608400-011A	**MW-65_08182016**	8/18/2016 1040h	8/19/2016 1040h	**300.0-W** *3 SEL Analytes: CL F SO4*	Aqueous		df-cl	1
				ALK-W-2320B-LL *2 SEL Analytes: ALKB ALKC*			df-cl	
1608400-011B				**NH3-W-350.1** *1 SEL Analytes: NH3N*			DF-NH3	
				NH3-W-PR			DF-NH3	
				NO2/NO3-W-353.2 *1 SEL Analytes: NO3NO2N*			DF-NH3	
1608400-011C				**TDS-W-2540C** *1 SEL Analytes: TDS*			DF-tds	
1608400-011D				**200.7-DIS** *5 SEL Analytes: CA MG K NA V*			DF-Dis Metals	
				200.7-DIS-PR			DF-Dis Metals	

WORK ORDER Summary

Work Order: **1608400**

Client: Energy Fuels Resources, Inc.

Due Date: 9/2/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage
1608400-011D	**MW-65_08182016**	8/18/2016 1040h	8/19/2016 1040h	**200.8-DIS**	Aqueous		DF-Dis 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-Dis Metals
				HG-DW-DIS-245.1			DF-Dis Metals
				1 SEL Analytes: HG			
				HG-DW-DIS-PR			DF-Dis Metals
				IONBALANCE			DF-Dis Metals
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc			
1608400-011E				**8260-W-DEN100**			VOCFridge 3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4			
1608400-012A	**Trip Blank**	8/16/2016	8/19/2016 1040h	**8260-W-DEN100**	Aqueous		VOCFridge 3
				Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4			

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1608400
AWAL Lab Sample Set #
Page 1 of 2

QC Level: 3

Turn Around Time: Standard

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Due Date:

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Garrin Palmer
Phone #: (435) 678-2221 Cell #:
Email: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name: 3rd Quarter Ground Water 2016
Project #:
PO #:
Sampler Name: Tanner Holliday

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Dissolved Manganese (200.7/200.8)	Cl (4500 or 300.0)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Dissolved Thallium (200.7/200.8)	SO_4 (4500 or 300.0)	Fl (4500 or 300.0)	Dissolved Iron (200.7/200.8)	Dissolved Vanadium (200.7/200.8)	Dissolved Zinc (200.7/200.8)	Dissolved Beryllium (200.7/200.8)	Known Hazards & Sample Comments
1																				
2																				
3																				
4																				
5	MW-15_08182016	8/18/2016	1030	1	W							X								
6																				
7																				
8																				
9																				
10																				
11																				
12	MW-32_08172016	8/17/2016	1235	1	W			X												

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 1.5 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by:	Date:	Received by:	Date:
Signature: Tanner Holliday	8/18/2016	Signature	
Print Name: Tanner Holliday	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Elan Hayward	Date: 8-19-16
Print Name:	Time:	Print Name: Elan Hayward	Time: 1041
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1608446
AWAL Lab Sample Set #
Page 2 of 2

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Garrin Palmer
Phone #: (435) 678-2221 Cell #:
Email: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name: 3rd 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:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	Known Hazards & Sample Comments
1	MW-11_08162016	8/16/2016	1200	7	W	x	x	x	x	x	x	x	x	x	x	
4	MW-14_08172016	8/17/2016	1525	7	W	x	x	x	x	x	x	x	x	x	x	
5	MW-25_08172016	8/17/2016	1245	7	W	x	x	x	x	x	x	x	x	x	x	
6	MW-26_08182016	8/18/2016	930	7	W	x	x	x	x	x	x	x	x	x	x	
7	MW-30_08182016	8/18/2016	1040	7	W	x	x	x	x	x	x	x	x	x	x	
8	MW-31_08162016	8/16/2016	1335	7	W	x	x	x	x	x	x	x	x	x	x	
9	MW-35_08162016	8/16/2016	1350	7	W	x	x	x	x	x	x	x	x	x	x	
3	MW-36_08172016	8/17/2016	820	7	W	x	x	x	x	x	x	x	x	x	x	
1	MW-65_08182016	8/18/2016	1040	7	W	x	x	x	x	x	x	x	x	x	x	
2	TRIP BLANK	8/16/2016		3	W										x	
1	TEMP BLANK	8/18/2016		1	W											
2																

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 1.5 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by:	Date:	Received by:	Date:
Signature: Tanner Holliday	8/18/2016	Signature	
Print Name: TANNER HOLLIDAY	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Elmer Hayes	Date: 8/19/16
Print Name:	Time:	Print Name: Elmer Hayes	Time: 1540
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: 16084400
pH Lot 5003

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	3	4	5	6	7	8	9	10	11								
Ammonia	pH <2 H_2SO_4		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes								
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes								
NO_2 & NO_3	pH <2 H_2SO_4		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes								
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

RE: 3rd Quarter Ground Water 2016

Dear Garrin Palmer: Lab Set ID: 1608512

American West Analytical Laboratories received sample(s) on 8/25/2016 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: 2016.09.07 10:42:45 -06'00'

Laboratory Director or designee

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

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Set ID: 1608512
Date Received: 8/25/2016 940h

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

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1608512-001A	MW-01_08242016	8/24/2016	1240h	Aqueous	Anions, E300.0
1608512-002A	MW-05_08192016	8/19/2016	1045h	Aqueous	ICPMS Metals, Dissolved
1608512-003A	MW-12_08192016	8/19/2016	1000h	Aqueous	ICPMS Metals, Dissolved
1608512-004A	MW-18_08232016	8/23/2016	1340h	Aqueous	Anions, E300.0
1608512-004B	MW-18_08232016	8/23/2016	1340h	Aqueous	ICPMS Metals, Dissolved
1608512-004C	MW-18_08232016	8/23/2016	1340h	Aqueous	Total Dissolved Solids, A2540C
1608512-005A	MW-19_08232016	8/23/2016	1450h	Aqueous	Nitrite/Nitrate (as N), E353.2
1608512-006A	MW-27_08242016	8/24/2016	1425h	Aqueous	Nitrite/Nitrate (as N), E353.2
1608512-006B	MW-27_08242016	8/24/2016	1425h	Aqueous	Anions, E300.0
1608512-006C	MW-27_08242016	8/24/2016	1425h	Aqueous	Total Dissolved Solids, A2540C

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	3rd Quarter Ground Water 2016
Lab Set ID:	1608512

Sample Receipt Information:

Date of Receipt:	8/25/2016
Date(s) of Collection:	8/19, 8/23, & 8/24/2016
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

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

Corrective Action: None required.

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608512
Project: 3rd Quarter 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-44664**	Date Analyzed:	08/26/2016 957h											
Test Code:	200.8-DIS	Date Prepared:	08/25/2016 1112h											
Selenium		0.200	mg/L	E200.8	0.000310	0.00200	0.2000	0	99.9	85 - 115				
Thallium		0.190	mg/L	E200.8	0.0000500	0.00200	0.2000	0	95.0	85 - 115				
Uranium		0.194	mg/L	E200.8	0.0000710	0.00200	0.2000	0	96.8	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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608512
Project: 3rd Quarter 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-44664**	Date Analyzed:	08/26/2016 954h											
Test Code:	200.8-DIS	Date Prepared:	08/25/2016 1112h											
Selenium		< 0.00200	mg/L	E200.8	0.000310	0.00200								
Lab Sample ID:	**MB-44664**	Date Analyzed:	08/26/2016 1106h											
Test Code:	200.8-DIS	Date Prepared:	08/25/2016 1112h											
Thallium		< 0.000500	mg/L	E200.8	0.0000125	0.000500								
Lab Sample ID:	**MB-44664**	Date Analyzed:	08/26/2016 1109h											
Test Code:	200.8-DIS	Date Prepared:	08/25/2016 1112h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608512
Project: 3rd Quarter 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:	**1608512-002AMS**	Date Analyzed:	08/26/2016 1115h											
Test Code:	200.8-DIS	Date Prepared:	08/25/2016 1140h											
Selenium		0.212	mg/L	E200.8	0.000310	0.00200	0.2000	0	106	75 - 125				
Thallium		0.187	mg/L	E200.8	0.0000500	0.00200	0.2000	0	93.4	75 - 125				
Uranium		0.196	mg/L	E200.8	0.0000710	0.00200	0.2000	0.000688	97.7	75 - 125				

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608512
Project: 3rd Quarter 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:	**1608512-002AMSD**	Date Analyzed:	08/26/2016 1118h											
Test Code:	200.8-DIS	Date Prepared:	08/25/2016 1140h											
Selenium		0.210	mg/L	E200.8	0.000310	0.00200	0.2000	0	105	75 - 125	0.212	1.05	20	
Thallium		0.186	mg/L	E200.8	0.0000500	0.00200	0.2000	0	93.2	75 - 125	0.187	0.165	20	
Uranium		0.196	mg/L	E200.8	0.0000710	0.00200	0.2000	0.000688	97.6	75 - 125	0.196	0.106	20	

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608512
Project: 3rd Quarter 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: 1608512-004CDUP Date Analyzed: 08/25/2016 1250h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	3,280	mg/L	SM2540C	17.5	20.0					3180	3.10	5	

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608512
Project: 3rd Quarter 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-R93576 Date Analyzed: 09/01/2016 1943h													
Test Code: 300.0-W													
Chloride	5.37	mg/L	E300.0	0.00516	0.100	5.000	0	107	90 - 110				
Sulfate	4.97	mg/L	E300.0	0.0201	0.750	5.000	0	99.5	90 - 110				
Lab Sample ID: LCS-R93315 Date Analyzed: 08/26/2016 1804h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.999	mg/L	E353.2	0.00833	0.0100	1.000	0	99.9	90 - 110				
Lab Sample ID: LCS-R93300 Date Analyzed: 08/25/2016 1250h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	214	mg/L	SM2540C	8.77	10.0	205.0	0	104	80 - 120				

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608512
Project: 3rd Quarter 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-R93576 Date Analyzed: 09/01/2016 1926h													
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-R93315 Date Analyzed: 08/26/2016 1802h													
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-R93300 Date Analyzed: 08/25/2016 1250h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608512
Project: 3rd Quarter 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: 1608512-004AMS Date Analyzed: 09/02/2016 516h													
Test Code: 300.0-W													
Chloride	10,800	mg/L	E300.0	10.3	200	10,000	46.5	107	90 - 110				
Sulfate	12,800	mg/L	E300.0	40.2	1,500	10,000	1960	108	90 - 110				
Lab Sample ID: 1608512-005AMS Date Analyzed: 08/26/2016 1807h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	12.6	mg/L	E353.2	0.0833	0.100	10.00	2.62	100	90 - 110				

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1608512
Project: 3rd Quarter 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: 1608512-004AMSD Date Analyzed: 09/02/2016 533h													
Test Code: 300.0-W													
Chloride	10,700	mg/L	E300.0	10.3	200	10,000	46.5	107	90 - 110	10800	0.229	20	
Sulfate	12,800	mg/L	E300.0	40.2	1,500	10,000	1960	108	90 - 110	12800	0.0348	20	
Lab Sample ID: 1608512-005AMSD Date Analyzed: 08/26/2016 1808h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	12.3	mg/L	E353.2	0.0833	0.100	10.00	2.62	97.0	90 - 110	12.6	2.48	10	

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

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1608512**

Client: Energy Fuels Resources, Inc.

Due Date: 9/9/2016

Client ID: DEN100

Contact: Garrin Palmer

Project: **3rd Quarter Ground Water 2016**

QC Level: III

WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Alkalinity must be run at full volume, use ALK-W-2320B-LL test code. Groundwater project specific DL's: Run NO2/NO3 as a 10X. Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1608512-001A	**MW-01_08242016**	8/24/2016 1240h	8/25/2016 0940h	**300.0-W** *2 SEL Analytes: CL SO4*	Aqueous		DF-WC	1
1608512-002A	**MW-05_08192016**	8/19/2016 1045h	8/25/2016 0940h	**200.8-DIS** *1 SEL Analytes: U*	Aqueous		DF-Dis Metals	1
				200.8-DIS-PR			DF-Dis Metals	
1608512-003A	**MW-12_08192016**	8/19/2016 1000h	8/25/2016 0940h	**200.8-DIS** *1 SEL Analytes: SE*	Aqueous		DF-Dis Metals	1
				200.8-DIS-PR			DF-Dis Metals	
1608512-004A	**MW-18_08232016**	8/23/2016 1340h	8/25/2016 0940h	**300.0-W** *1 SEL Analytes: SO4*	Aqueous		DF-WC	1
1608512-004B				**200.8-DIS** *1 SEL Analytes: TL*			DF-Dis Metals	
				200.8-DIS-PR			DF-Dis Metals	
1608512-004C				**TDS-W-2540C** *1 SEL Analytes: TDS*			DF-tds	
1608512-005A	**MW-19_08232016**	8/23/2016 1450h	8/25/2016 0940h	**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*	Aqueous		DF-NO2/NO3	1
1608512-006A	**MW-27_08242016**	8/24/2016 1425h	8/25/2016 0940h	**NO2/NO3-W-353.2** *1 SEL Analytes: NO3NO2N*	Aqueous		DF-NO2/NO3	1
1608512-006B				**300.0-W** *2 SEL Analytes: CL SO4*			DF-WC	
1608512-006C				**TDS-W-2540C** *1 SEL Analytes: TDS*			DF-tds	

Printed: 8/26/2016 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1608512
AWAL Lab Sample Set #
Page 1 of 1

QC Level: 3

Turn Around Time: Standard

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Due Date:

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Garrin Palmer
Phone #: (435) 678-2221 Cell #:
Email: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name: 3rd Quarter Ground Water 2016
Project #:
PO #:
Sampler Name: Tanner Holliday

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Dissolved Manganese (200.7/200.8)	Cl (4500 or 300.0)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Dissolved Thallium (200.7/200.8)	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_08242016	8/24/2016	1240	1	W			X						X						
2																				
3	MW-05_08192016	8/19/2016	1045	1	W					X										
4	MW-12_08192016	8/19/2016	1000	1	W							X								
5																				
6	MW-18_08232016	8/23/2016	1340	3	W				X				X	X						
7	MW-19_08232016	8/23/2016	1450	1	W	X														
8																				
9	MW-27_08242016	8/24/2016	1425	3	W	X		X	X					X						
10																				
11																				
12																				

Laboratory Use Only

Samples Were:
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 2.3 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by:	Date:	Received by:	Date:
Signature: Garrin Palmer	8/25/2016	Signature: Elma Hayes	8/25/16
Print Name: Garrin Palmer	Time: 0940	Print Name: Elma Hayes	Time: 9:40
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: 1608512
pH Lot # 5003

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	2	3	4	5	6													
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	yes	yes	yes															
NO_2 & NO_3	pH <2 H_2SO_4				yes	yes													
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

CST Trust Company
320 Bay Street, 3rd Floor
Toronto, ON M5H 4A6
Tel: 416.682.3800
Fax: 1.877.715.0494

www.canstockta.com

Global Resources • Local Service • Customized Solutions

VIA EMAIL

August 2, 2016

Attention: Dan Zang
Vice President and Controller
Energy Fuels Inc.
2 Toronto Street, Suite 500
Toronto, ON M5C 2B6

Dear Dan:

RE: ENERGY FUELS INC.

We confirm the following information as of July 31, 2016.

Issued and Outstanding as at June 30, 2016:	57,674,792
Issuance from Treasury	Nil
Stock Option Plan	Nil
Exercise of Warrants	Nil
Compensation Warrants	Nil
Adjustment due to Fractions	Nil
Uranerz Arrangement	Nil
Exercise of Uranerz Stock Option Plan	Nil
Issued and Outstanding as at July 31, 2016:	57,674,792

Warrants Expiring – June 22, 2017 (CUSIP 292671138)	355,005
Canadian Warrants Expiring –June 15, 2017 (CUSIP 292671146)	311,218
US Warrants Expiring – June 15, 2017 (CUSIP 292671153)	153,340
Warrants Expiring – March 14, 2019 (CUSIP 292671161)	2,515,625

If you have any questions, please contact the undersigned.

Yours truly,
CST Trust Company

"Signed"

Carol Pineda
Associate Relationship Manager
Direct Dial: 416.682-3851

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

RE: 3rd Quarter Ground Water 2016

Dear Garrin Palmer: Lab Set ID: 1609036

American West Analytical Laboratories received sample(s) on 9/2/2016 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: 2016.09.19 12:16:00 -06'00'

Laboratory Director or designee

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

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Set ID: 1609036
Date Received: 9/2/2016 1006h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1609036-001A	MW-70_09012016	9/1/2016	1100h	Aqueous	Anions, E300.0
1609036-001B	MW-70_09012016	9/1/2016	1100h	Aqueous	ICPMS Metals, Dissolved
1609036-002A	MW-28_09012016	9/1/2016	1100h	Aqueous	Anions, E300.0
1609036-002B	MW-28_09012016	9/1/2016	1100h	Aqueous	ICPMS Metals, Dissolved
1609036-003A	MW-29_09012016	9/1/2016	1015h	Aqueous	Anions, E300.0
1609036-003B	MW-29_09012016	9/1/2016	1015h	Aqueous	Total Dissolved Solids, A2540C

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Set ID: 1609036

Sample Receipt Information:

Date of Receipt: 9/2/2016
Date of Collection: 9/1/2016
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
1609037-005E	Cadmium	MS	High analyte concentration
1609037-005E	Uranium	MS/MSD	High analyte concentration

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

Corrective Action: None required.

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609036
Project: 3rd Quarter 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-44836**	Date Analyzed:	09/07/2016 1104h											
Test Code:	200.8-DIS	Date Prepared:	09/06/2016 1051h											
Cadmium		0.203	mg/L	E200.8	0.0000666	0.000500	0.2000	0	102	85 - 115				
Uranium		0.201	mg/L	E200.8	0.0000710	0.00200	0.2000	0	100	85 - 115				
Vanadium		0.195	mg/L	E200.8	0.000248	0.00440	0.2000	0	97.6	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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609036
Project: 3rd Quarter 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-44836**	Date Analyzed:	09/07/2016 1101h											
Test Code:	200.8-DIS	Date Prepared:	09/06/2016 1051h											
Cadmium		< 0.000500	mg/L	E200.8	0.0000666	0.000500								
Vanadium		< 0.00440	mg/L	E200.8	0.000248	0.00440								
Lab Sample ID:	**MB-FILTER-44808**	Date Analyzed:	09/07/2016 1157h											
Test Code:	200.8-DIS	Date Prepared:	09/06/2016 1051h											
Cadmium		< 0.000500	mg/L	E200.8	0.0000666	0.000500								
Uranium		< 0.00200	mg/L	E200.8	0.0000710	0.00200								
Vanadium		< 0.00440	mg/L	E200.8	0.000248	0.00440								
Lab Sample ID:	**MB-FILTER-44822**	Date Analyzed:	09/07/2016 1200h											
Test Code:	200.8-DIS	Date Prepared:	09/06/2016 1051h											
Cadmium		< 0.000500	mg/L	E200.8	0.0000666	0.000500								
Uranium		< 0.00200	mg/L	E200.8	0.0000710	0.00200								
Vanadium		< 0.00440	mg/L	E200.8	0.000248	0.00440								
Lab Sample ID:	**MB-44836**	Date Analyzed:	09/07/2016 1216h											
Test Code:	200.8-DIS	Date Prepared:	09/06/2016 1051h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609036
Project: 3rd Quarter 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:	**1609036-001BMS**	Date Analyzed:	09/07/2016 1139h											
Test Code:	200.8-DIS	Date Prepared:	09/06/2016 1051h											
Cadmium		0.210	mg/L	E200.8	0.0000666	0.000500	0.2000	0.00503	103	75 - 125				
Uranium		0.205	mg/L	E200.8	0.0000710	0.00200	0.2000	0.00481	100	75 - 125				
Vanadium		0.206	mg/L	E200.8	0.000248	0.00440	0.2000	0.00303	101	75 - 125				
Lab Sample ID:	**1609037-005EMS**	Date Analyzed:	09/13/2016 856h											
Test Code:	200.8-DIS	Date Prepared:	09/06/2016 1051h											
Uranium		132	mg/L	E200.8	0.0355	1.00	0.2000	116	7,570	75 - 125				2
Lab Sample ID:	**1609037-005EMS**	Date Analyzed:	09/13/2016 1124h											
Test Code:	200.8-DIS	Date Prepared:	09/06/2016 1051h											
Cadmium		4.61	mg/L	E200.8	0.00333	0.0250	0.2000	4.5	54.8	75 - 125				2

[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 ne of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609036
Project: 3rd Quarter 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:	**1609036-001BMSD**	Date Analyzed:	09/07/2016 1142h											
Test Code:	200.8-DIS	Date Prepared:	09/06/2016 1051h											
Cadmium		0.208	mg/L	E200.8	0.0000666	0.000500	0.2000	0.00503	102	75 - 125	0.21	0.915	20	
Uranium		0.204	mg/L	E200.8	0.0000710	0.00200	0.2000	0.00481	99.8	75 - 125	0.205	0.538	20	
Vanadium		0.206	mg/L	E200.8	0.000248	0.00440	0.2000	0.00303	102	75 - 125	0.206	0.232	20	
Lab Sample ID:	**1609037-005EMSD**	Date Analyzed:	09/13/2016 859h											
Test Code:	200.8-DIS	Date Prepared:	09/06/2016 1051h											
Uranium		119	mg/L	E200.8	0.0355	1.00	0.2000	116	1,040	75 - 125	132	10.4	20	[2]
Lab Sample ID:	**1609037-005EMSD**	Date Analyzed:	09/13/2016 1128h											
Test Code:	200.8-DIS	Date Prepared:	09/06/2016 1051h											
Cadmium		4.67	mg/L	E200.8	0.00333	0.0250	0.2000	4.5	88.4	75 - 125	4.61	1.45	20	

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

analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of th
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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609036
Project: 3rd Quarter 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: 1609036-003BDUP Date Analyzed: 09/02/2016 1230h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	4,390	mg/L	SM2540C	17.5	20.0					4410	0.455	5	
Lab Sample ID: 1609037-005CDUP Date Analyzed: 09/02/2016 1230h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	93,100	mg/L	SM2540C	438	500					95400	2.44	5	

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609036
Project: 3rd Quarter 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-R93892 Date Analyzed: 09/12/2016 1217h													
Test Code: 300.0-W													
Chloride	5.34	mg/L	E300.0	0.00516	0.100	5.000	0	107	90 - 110				
Sulfate	5.46	mg/L	E300.0	0.0201	0.750	5.000	0	109	90 - 110				
Lab Sample ID: LCS-R93649 Date Analyzed: 09/02/2016 1230h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	220	mg/L	SM2540C	8.77	10.0	205.0	0	107	80 - 120				

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609036
Project: 3rd Quarter 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-R93892 Date Analyzed: 09/12/2016 1200h													
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-R93649 Date Analyzed: 09/02/2016 1230h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609036
Project: 3rd Quarter 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: 1609036-003AMS Date Analyzed: 09/12/2016 1325h													
Test Code: 300.0-W													
Chloride	10,700	mg/L	E300.0	10.3	200	10,000	41.1	107	90 - 110				
Sulfate	13,000	mg/L	E300.0	40.2	1,500	10,000	2750	103	90 - 110				

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609036
Project: 3rd Quarter 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: 1609036-003AMSD Date Analyzed: 09/12/2016 1341h													
Test Code: 300.0-W													
Chloride	10,700	mg/L	E300.0	10.3	200	10,000	41.1	107	90 - 110	10700	0.246	20	
Sulfate	13,000	mg/L	E300.0	40.2	1,500	10,000	2750	102	90 - 110	13000	0.0462	20	

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

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1609036**

Client: Energy Fuels Resources, Inc.

Due Date: 9/19/2016

Client ID: DEN100

Contact: Garrin Palmer

Project: **3rd Quarter Ground Water 2016**

QC Level: III

WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms) Groundwater project specific DL's: Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1609036-001A	**MW-70_09012016**	9/1/2016 1100h	9/2/2016 1006h	**300.0-W**	Aqueous		DF-WC	1
				1 SEL Analytes: CL				
1609036-001B				**200.8-DIS**			DF-Dis Metals	
				3 SEL Analytes: CD U V				
				200.8-DIS-PR			DF-Dis Metals	
1609036-002A	**MW-28_09012016**	9/1/2016 1100h	9/2/2016 1006h	**300.0-W**	Aqueous		DF-WC	1
				1 SEL Analytes: CL				
1609036-002B				**200.8-DIS**			DF-Dis Metals	
				3 SEL Analytes: CD U V				
				200.8-DIS-PR			DF-Dis Metals	
1609036-003A	**MW-29_09012016**	9/1/2016 1015h	9/2/2016 1006h	**300.0-W**	Aqueous		DF-WC	1
				1 SEL Analytes: SO4				
1609036-003B				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				

AWAL Use Only. Close Hold Times

Test Code	# Samps	Min. days left
TDS-W-2540C	1	1.96

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK NL HOK DB HOK____ COC Emailed 9/2/16

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1608036
AWAL Lab Sample Set #
Page 1 of 1

QC Level: 3

Turn Around Time: Standard

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Due Date:

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Garrin Palmer
Phone #: (435) 678-2221 Cell #:
Email: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name: 3RD QUARTER GROUND WATER 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)	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-70_09012016	9/1/2016	1100	2	W			X		X	X						X			
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10	MW-28_09012016	9/1/2016	1100	2	W			X		X	X						X			
11	MW-29_09012016	9/1/2016	1015	2	W				X					X						
12																				

Laboratory Use Only

Samples Were:
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:	Date:	Received by:	Date:
Signature GARRIN PALMER	9/2/2016	Signature	9/2/16
Print Name: GARRIN PALMER	Time: 1005	Print Name: Elena Hayward	Time: 1006
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: 16G 903 G

pH Lot 5003

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2																
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	yes	yes																
NO_2 & NO_3	pH <2 H_2SO_4																		
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

RE: 3rd Quarter Ground Water 2016

Dear Garrin Palmer: Lab Set ID: 1609477

American West Analytical Laboratories received sample(s) on 9/23/2016 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: 2016.10.11 15:11:57 -06'00'

Laboratory Director or designee

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

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Set ID: 1609477
Date Received: 9/23/2016 1030h

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1609477-001A	MW-03A_09222016	9/22/2016	730h	Aqueous	ICPMS Metals, Dissolved
1609477-001B	MW-03A_09222016	9/22/2016	730h	Aqueous	Anions, E300.0
1609477-002A	MW-24_09222016	9/22/2016	830h	Aqueous	ICPMS Metals, Dissolved
1609477-002B	MW-24_09222016	9/22/2016	830h	Aqueous	Anions, E300.0
1609477-003A	MW-37_09212016	9/21/2016	1210h	Aqueous	ICPMS Metals, Dissolved
1609477-003A	MW-37_09212016	9/21/2016	1210h	Aqueous	Mercury, Drinking Water Dissolved
1609477-003A	MW-37_09212016	9/21/2016	1210h	Aqueous	ICP Metals, Dissolved
1609477-003A	MW-37_09212016	9/21/2016	1210h	Aqueous	Ion Balance
1609477-003B	MW-37_09212016	9/21/2016	1210h	Aqueous	Anions, E300.0
1609477-003B	MW-37_09212016	9/21/2016	1210h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1609477-003C	MW-37_09212016	9/21/2016	1210h	Aqueous	Ammonia, Aqueous
1609477-003C	MW-37_09212016	9/21/2016	1210h	Aqueous	Nitrite/Nitrate (as N), E353.2
1609477-003D	MW-37_09212016	9/21/2016	1210h	Aqueous	Total Dissolved Solids, A2540C
1609477-003E	MW-37_09212016	9/21/2016	1210h	Aqueous	VOA by GC/MS Method 8260C/5030C
1609477-004A	MW-03_09222016	9/22/2016	755h	Aqueous	ICPMS Metals, Dissolved
1609477-004A	MW-03_09222016	9/22/2016	755h	Aqueous	Mercury, Drinking Water Dissolved
1609477-004A	MW-03_09222016	9/22/2016	755h	Aqueous	ICP Metals, Dissolved
1609477-004A	MW-03_09222016	9/22/2016	755h	Aqueous	Ion Balance
1609477-004B	MW-03_09222016	9/22/2016	755h	Aqueous	Anions, E300.0
1609477-004B	MW-03_09222016	9/22/2016	755h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, Low Level
1609477-004C	MW-03_09222016	9/22/2016	755h	Aqueous	Nitrite/Nitrate (as N), E353.2
1609477-004C	MW-03_09222016	9/22/2016	755h	Aqueous	Ammonia, Aqueous
1609477-004D	MW-03_09222016	9/22/2016	755h	Aqueous	Total Dissolved Solids, A2540C
1609477-004E	MW-03_09222016	9/22/2016	755h	Aqueous	VOA by GC/MS Method 8260C/5030C
1609477-005A	Trip Blank	9/21/2016		Aqueous	VOA by GC/MS Method 8260C/5030C

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 3rd Quarter Ground Water 2016
Lab Set ID: 160947

Sample Receipt Information:

Date of Receipt: 9/23/2016
Date(s) of Collection: 9/21 & 9/22/2016
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
1609477-003A	Calcium	MS/MSD	High analyte concentration
1609477-003A	Magnesium	MS/MSD	High analyte concentration
1609477-003A	Sodium	MS/MSD	High analyte concentration
1609477-003C	Ammonia	MS/MSD	Sample matrix interference

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits, with the following exception: The TDS for sample 1609477-003D was outside of control limits due to suspected sample non-homogeneity or matrix interference.

Corrective Action: None required.

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

Volatile Case Narrative

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	3rd Quarter Ground Water 2016
Lab Set ID:	160947

Sample Receipt Information:

Date of Receipt:	9/23/2016
Date(s) of Collection:	9/21 & 9/22/2016
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: One target analyte was observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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-45147	Date Analyzed:	09/30/2016 1342h											
Test Code: 200.7-DIS	Date Prepared:	09/23/2016 1201h											
Calcium	9.84	mg/L	E200.7	0.0579	1.00	10.00	0	98.4	85 - 115				
Magnesium	10.6	mg/L	E200.7	0.0495	1.00	10.00	0	106	85 - 115				
Potassium	10.4	mg/L	E200.7	0.121	1.00	10.00	0	104	85 - 115				
Sodium	10.5	mg/L	E200.7	0.0125	1.00	10.00	0	105	85 - 115				
Vanadium	0.194	mg/L	E200.7	0.000750	0.00500	0.2000	0	97.1	85 - 115				
Lab Sample ID: LCS-45148	Date Analyzed:	09/26/2016 933h											
Test Code: 200.8-DIS	Date Prepared:	09/23/2016 1201h											
Arsenic	0.207	mg/L	E200.8	0.000540	0.00200	0.2000	0	103	85 - 115				
Beryllium	0.208	mg/L	E200.8	0.000177	0.00200	0.2000	0	104	85 - 115				
Cadmium	0.205	mg/L	E200.8	0.0000666	0.000500	0.2000	0	102	85 - 115				
Chromium	0.208	mg/L	E200.8	0.000998	0.00200	0.2000	0	104	85 - 115				
Cobalt	0.206	mg/L	E200.8	0.0000990	0.00400	0.2000	0	103	85 - 115				
Copper	0.204	mg/L	E200.8	0.000862	0.00200	0.2000	0	102	85 - 115				
Iron	1.04	mg/L	E200.8	0.0274	0.100	1.000	0	104	85 - 115				
Lead	0.206	mg/L	E200.8	0.000125	0.00200	0.2000	0	103	85 - 115				
Manganese	0.209	mg/L	E200.8	0.000560	0.00200	0.2000	0	105	85 - 115				
Molybdenum	0.211	mg/L	E200.8	0.000202	0.00200	0.2000	0	106	85 - 115				
Nickel	0.209	mg/L	E200.8	0.000522	0.00200	0.2000	0	104	85 - 115				
Selenium	0.211	mg/L	E200.8	0.000310	0.00200	0.2000	0	105	85 - 115				
Silver	0.203	mg/L	E200.8	0.000132	0.00200	0.2000	0	101	85 - 115				
Thallium	0.204	mg/L	E200.8	0.0000500	0.00200	0.2000	0	102	85 - 115				
Tin	1.05	mg/L	E200.8	0.000372	0.00200	1.000	0	105	85 - 115				
Uranium	0.210	mg/L	E200.8	0.0000710	0.00200	0.2000	0	105	85 - 115				
Zinc	1.03	mg/L	E200.8	0.00452	0.00500	1.000	0	103	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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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-45304**	Date Analyzed:	10/04/2016 656h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	10/03/2016 1545h											
Mercury		0.00339	mg/L	E245.1	0.00000559	0.000150	0.003330	0	102	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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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-45147**	Date Analyzed:	09/30/2016 1340h											
Test Code:	200.7-DIS	Date Prepared:	09/23/2016 1201h											
Calcium		< 1.00	mg/L	E200.7	0.0579	1.00								
Magnesium		< 1.00	mg/L	E200.7	0.0495	1.00								
Potassium		< 1.00	mg/L	E200.7	0.121	1.00								
Sodium		< 1.00	mg/L	E200.7	0.0125	1.00								
Vanadium		< 0.00500	mg/L	E200.7	0.000750	0.00500								
Lab Sample ID:	**MB-45148**	Date Analyzed:	09/26/2016 1014h											
Test Code:	200.8-DIS	Date Prepared:	09/23/2016 1201h											
Beryllium		< 0.000500	mg/L	E200.8	0.0000443	0.000500								
Iron		< 0.0250	mg/L	E200.8	0.00685	0.0250								
Lead		< 0.000500	mg/L	E200.8	0.0000312	0.000500								
Thallium		< 0.000500	mg/L	E200.8	0.0000125	0.000500								
Lab Sample ID:	**MB-45148**	Date Analyzed:	09/26/2016 1026h											
Test Code:	200.8-DIS	Date Prepared:	09/23/2016 1201h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								
Lab Sample ID:	**MB-45148**	Date Analyzed:	09/26/2016 930h											
Test Code:	200.8-DIS	Date Prepared:	09/23/2016 1201h											
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								

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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-45148**	Date Analyzed:	09/26/2016 930h											
Test Code:	200.8-DIS	Date Prepared:	09/23/2016 1201h											
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-45304**	Date Analyzed:	10/04/2016 654h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	10/03/2016 1545h											
Mercury		< 0.000150	mg/L	E245.1	0.00000559	0.000150								

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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:	**1609477-003AMS**	Date Analyzed:	09/30/2016 1358h											
Test Code:	200.7-DIS	Date Prepared:	09/23/2016 1201h											
Calcium		454	mg/L	E200.7	2.90	50.0	10.00	467	-130	70 - 130				2
Magnesium		137	mg/L	E200.7	2.48	50.0	10.00	135	25.9	70 - 130				2
Sodium		509	mg/L	E200.7	0.625	50.0	10.00	527	-182	70 - 130				2
Lab Sample ID:	**1609477-003AMS**	Date Analyzed:	09/30/2016 1440h											
Test Code:	200.7-DIS	Date Prepared:	09/23/2016 1201h											
Potassium		27.0	mg/L	E200.7	0.242	2.00	10.00	16.1	109	70 - 130				
Lab Sample ID:	**1609477-003AMS**	Date Analyzed:	09/30/2016 1449h											
Test Code:	200.7-DIS	Date Prepared:	09/23/2016 1201h											
Vanadium		0.194	mg/L	E200.7	0.000750	0.00500	0.2000	0	97.1	70 - 130				
Lab Sample ID:	**1609477-003AMS**	Date Analyzed:	09/26/2016 952h											
Test Code:	200.8-DIS	Date Prepared:	09/23/2016 1201h											
Arsenic		0.216	mg/L	E200.8	0.000540	0.00200	0.2000	0	108	75 - 125				
Beryllium		0.197	mg/L	E200.8	0.000177	0.00200	0.2000	0	98.3	75 - 125				
Cadmium		0.207	mg/L	E200.8	0.0000666	0.000500	0.2000	0.000449	103	75 - 125				
Chromium		0.207	mg/L	E200.8	0.000998	0.00200	0.2000	0	104	75 - 125				
Cobalt		0.202	mg/L	E200.8	0.0000990	0.00400	0.2000	0	101	75 - 125				
Copper		0.200	mg/L	E200.8	0.000862	0.00200	0.2000	0	100	75 - 125				
Iron		1.03	mg/L	E200.8	0.0274	0.100	1.000	0	103	75 - 125				
Lead		0.205	mg/L	E200.8	0.000125	0.00200	0.2000	0	102	75 - 125				
Manganese		0.211	mg/L	E200.8	0.000560	0.00200	0.2000	0.00808	102	75 - 125				
Molybdenum		0.223	mg/L	E200.8	0.000202	0.00200	0.2000	0.000537	111	75 - 125				
Nickel		0.211	mg/L	E200.8	0.000522	0.00200	0.2000	0.00795	101	75 - 125				
Selenium		0.221	mg/L	E200.8	0.000310	0.00200	0.2000	0.00573	108	75 - 125				
Silver		0.197	mg/L	E200.8	0.000132	0.00200	0.2000	0	98.3	75 - 125				
Thallium		0.203	mg/L	E200.8	0.0000500	0.00200	0.2000	0.000835	101	75 - 125				

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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:	**1609477-003AMS**	Date Analyzed:	09/26/2016 952h											
Test Code:	200.8-DIS	Date Prepared:	09/23/2016 1201h											
Tin		1.10	mg/L	E200.8	0.000372	0.00200	1.000	0	110	75 - 125				
Uranium		0.230	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0132	109	75 - 125				
Zinc		1.10	mg/L	E200.8	0.00452	0.00500	1.000	0.031	106	75 - 125				
Lab Sample ID:	**1609477-003AMS**	Date Analyzed:	10/04/2016 703h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	10/03/2016 1545h											
Mercury		0.00326	mg/L	E245.1	0.00000559	0.000150	0.003330	0	97.9	85 - 115				

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

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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:	**1609477-003AMSD**	Date Analyzed:	09/30/2016 1400h											
Test Code:	200.7-DIS	Date Prepared:	09/23/2016 1201h											
Calcium		463	mg/L	E200.7	2.90	50.0	10.00	467	-39.9	70 - 130	454	1.97	20	2
Magnesium		141	mg/L	E200.7	2.48	50.0	10.00	135	66.1	70 - 130	137	2.90	20	2
Sodium		518	mg/L	E200.7	0.625	50.0	10.00	527	-89.2	70 - 130	509	1.81	20	2
Lab Sample ID:	**1609477-003AMSD**	Date Analyzed:	09/30/2016 1443h											
Test Code:	200.7-DIS	Date Prepared:	09/23/2016 1201h											
Potassium		27.6	mg/L	E200.7	0.242	2.00	10.00	16.1	115	70 - 130	27	2.17	20	
Lab Sample ID:	**1609477-003AMSD**	Date Analyzed:	09/30/2016 1451h											
Test Code:	200.7-DIS	Date Prepared:	09/23/2016 1201h											
Vanadium		0.195	mg/L	E200.7	0.000750	0.00500	0.2000	0	97.4	70 - 130	0.194	0.270	20	
Lab Sample ID:	**1609477-003AMSD**	Date Analyzed:	09/26/2016 955h											
Test Code:	200.8-DIS	Date Prepared:	09/23/2016 1201h											
Arsenic		0.213	mg/L	E200.8	0.000540	0.00200	0.2000	0	106	75 - 125	0.216	1.67	20	
Beryllium		0.195	mg/L	E200.8	0.000177	0.00200	0.2000	0	97.3	75 - 125	0.197	0.984	20	
Cadmium		0.205	mg/L	E200.8	0.0000666	0.000500	0.2000	0.000449	102	75 - 125	0.207	0.795	20	
Chromium		0.207	mg/L	E200.8	0.000998	0.00200	0.2000	0	103	75 - 125	0.207	0.170	20	
Cobalt		0.204	mg/L	E200.8	0.0000990	0.00400	0.2000	0	102	75 - 125	0.202	0.921	20	
Copper		0.202	mg/L	E200.8	0.000862	0.00200	0.2000	0	101	75 - 125	0.2	0.908	20	
Iron		1.04	mg/L	E200.8	0.0274	0.100	1.000	0	104	75 - 125	1.03	1.16	20	
Lead		0.202	mg/L	E200.8	0.000125	0.00200	0.2000	0	101	75 - 125	0.205	1.28	20	
Manganese		0.213	mg/L	E200.8	0.000560	0.00200	0.2000	0.00808	102	75 - 125	0.211	0.626	20	
Molybdenum		0.222	mg/L	E200.8	0.000202	0.00200	0.2000	0.000537	111	75 - 125	0.223	0.393	20	
Nickel		0.214	mg/L	E200.8	0.000522	0.00200	0.2000	0.00795	103	75 - 125	0.211	1.46	20	
Selenium		0.217	mg/L	E200.8	0.000310	0.00200	0.2000	0.00573	105	75 - 125	0.221	2.11	20	
Silver		0.195	mg/L	E200.8	0.000132	0.00200	0.2000	0	97.4	75 - 125	0.197	1.02	20	
Thallium		0.200	mg/L	E200.8	0.0000500	0.00200	0.2000	0.000835	99.8	75 - 125	0.203	1.41	20	

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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:	**1609477-003AMSD**	Date Analyzed:	09/26/2016 955h											
Test Code:	200.8-DIS	Date Prepared:	09/23/2016 1201h											
Tin		1.10	mg/L	E200.8	0.000372	0.00200	1.000	0	110	75 - 125	1.1	0.163	20	
Uranium		0.228	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0132	107	75 - 125	0.23	1.25	20	
Zinc		1.10	mg/L	E200.8	0.00452	0.00500	1.000	0.031	107	75 - 125	1.1	0.524	20	
Lab Sample ID:	**1609477-003AMSD**	Date Analyzed:	10/04/2016 705h											
Test Code:	HG-DW-DIS-245.1	Date Prepared:	10/03/2016 1545h											
Mercury		0.00344	mg/L	E245.1	0.00000559	0.000150	0.003330	0	103	85 - 115	0.00326	5.37	20	

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

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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: 1609477-003DDUP Date Analyzed: 09/23/2016 1335h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	3,780	mg/L	SM2540C	17.5	20.0					4000	5.55	5	@

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

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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-R94383 Date Analyzed: 09/28/2016 1414h													
Test Code: 300.0-W													
Chloride	5.15	mg/L	E300.0	0.00516	0.100	5.000	0	103	90 - 110				
Fluoride	5.05	mg/L	E300.0	0.0139	0.100	5.000	0	101	90 - 110				
Sulfate	4.75	mg/L	E300.0	0.0201	0.750	5.000	0	94.9	90 - 110				
Lab Sample ID: LCS-R94232 Date Analyzed: 09/26/2016 1000h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	50,000	mg/L	SM2320B	0.504	1.00	50,000	0	100	90 - 110				
Lab Sample ID: LCS-45179 Date Analyzed: 09/26/2016 1759h													
Test Code: NH3-W-350.1 Date Prepared: 09/26/2016 1520h													
Ammonia (as N)	10.9	mg/L	E350.1	0.0185	0.0500	10.00	0	109	90 - 110				
Lab Sample ID: LCS-R94204 Date Analyzed: 09/23/2016 1600h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.960	mg/L	E353.2	0.00833	0.0100	1.000	0	96.0	90 - 110				
Lab Sample ID: LCS-R94223 Date Analyzed: 09/23/2016 1335h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	210	mg/L	SM2540C	8.77	10.0	205.0	0	102	80 - 120				

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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-R94383 Date Analyzed: 09/28/2016 1357h													
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-R94232 Date Analyzed: 09/26/2016 1000h													
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-45179 Date Analyzed: 09/26/2016 1711h													
Test Code: NH3-W-350.1 Date Prepared: 09/26/2016 1520h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0185	0.0500								
Lab Sample ID: MB-R94204 Date Analyzed: 09/23/2016 1557h													
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-R94223 Date Analyzed: 09/23/2016 1335h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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: 1609325-004BMS Date Analyzed: 09/28/2016 1447h													
Test Code: 300.0-W													
Fluoride	26.1	mg/L	E300.0	0.0695	0.500	25.00	0.368	103	90 - 110				
Lab Sample ID: 1609477-002BMS Date Analyzed: 09/28/2016 2041h													
Test Code: 300.0-W													
Fluoride	10,300	mg/L	E300.0	27.8	200	10,000	0	103	90 - 110				
Sulfate	12,300	mg/L	E300.0	40.2	1,500	10,000	2460	97.9	90 - 110				
Lab Sample ID: 1609477-003BMS Date Analyzed: 09/26/2016 1000h													
Test Code: ALK-W-2320B-LL													
Alkalinity (as CaCO3)	237	mg/L	SM2320B	0.504	1.00	50.00	186	102	80 - 120				
Lab Sample ID: 1609477-003CMS Date Analyzed: 09/26/2016 1746h													
Test Code: NH3-W-350.1 Date Prepared: 09/26/2016 1520h													
Ammonia (as N)	15.0	mg/L	E350.1	0.0206	0.0556	11.11	0	135	90 - 110				1
Lab Sample ID: 1609477-004CMS Date Analyzed: 09/23/2016 1603h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	9.60	mg/L	E353.2	0.0833	0.100	10.00	0.108	94.9	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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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:	**1609325-004BMSD**	Date Analyzed:	09/28/2016 1504h											
Test Code:	300.0-W													
Fluoride		26.1	mg/L	E300.0	0.0695	0.500	25.00	0.368	103	90 - 110	26.1	0.191	20	
Lab Sample ID:	**1609477-002BMSD**	Date Analyzed:	09/28/2016 2058h											
Test Code:	300.0-W													
Fluoride		10,300	mg/L	E300.0	27.8	200	10,000	0	103	90 - 110	10300	0.0386	20	
Sulfate		12,700	mg/L	E300.0	40.2	1,500	10,000	2460	102	90 - 110	12300	3.57	20	
Lab Sample ID:	**1609477-003BMSD**	Date Analyzed:	09/26/2016 1000h											
Test Code:	ALK-W-2320B-LL													
Alkalinity (as CaCO3)		238	mg/L	SM2320B	0.504	1.00	50.00	186	104	80 - 120	237	0.380	10	
Lab Sample ID:	**1609477-003CMSD**	Date Analyzed:	09/26/2016 1747h											
Test Code:	NH3-W-350.1	Date Prepared:	09/26/2016 1520h											
Ammonia (as N)		14.2	mg/L	E350.1	0.0206	0.0556	11.11	0	128	90 - 110	15	5.22	10	'
Lab Sample ID:	**1609477-004CMSD**	Date Analyzed:	09/23/2016 1604h											
Test Code:	NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)		9.57	mg/L	E353.2	0.0833	0.100	10.00	0.108	94.6	90 - 110	9.6	0.344	10	

' - 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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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 092316A Date Analyzed: 09/23/2016 1059h													
Test Code: 8260-W-DEN100													
Benzene	19.6	µg/L	SW8260C	0.270	1.00	20.00	0	97.9	82 - 132				
Chloroform	19.4	µg/L	SW8260C	0.153	1.00	20.00	0	97.2	85 - 124				
Methylene chloride	21.0	µg/L	SW8260C	0.172	1.00	20.00	0	105	71 - 135				
Naphthalene	17.8	µg/L	SW8260C	0.587	1.00	20.00	0	89.0	63 - 129				
Tetrahydrofuran	16.8	µg/L	SW8260C	0.516	1.00	20.00	0	83.8	59 - 120				
Toluene	19.2	µg/L	SW8260C	0.183	1.00	20.00	0	95.9	78 - 130				
Xylenes, Total	57.0	µg/L	SW8260C	0.857	1.00	60.00	0	95.1	70 - 138				
Surr: 1,2-Dichloroethane-d4	53.2	µg/L	SW8260C			50.00		106	80 - 122				
Surr: 4-Bromofluorobenzene	50.5	µg/L	SW8260C			50.00		101	85 - 121				
Surr: Dibromofluoromethane	51.8	µg/L	SW8260C			50.00		104	80 - 116				
Surr: Toluene-d8	51.0	µg/L	SW8260C			50.00		102	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
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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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 092316A	Date Analyzed:	09/23/2016 1138h											
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	54.4	µg/L	SW8260C			50.00		109	80 - 122				
Surr: 4-Bromofluorobenzene	52.3	µg/L	SW8260C			50.00		105	85 - 121				
Surr: Dibromofluoromethane	52.1	µg/L	SW8260C			50.00		104	80 - 116				
Surr: Toluene-d8	52.0	µg/L	SW8260C			50.00		104	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 ne of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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: 1609477-003EMS	Date Analyzed:	09/23/2016 1356h											
Test Code: 8260-W-DEN100													
Benzene	20.6	µg/L	SW8260C	0.270	1.00	20.00	0	103	66 - 145				
Chloroform	19.8	µg/L	SW8260C	0.153	1.00	20.00	0	99.1	50 - 146				
Methylene chloride	16.8	µg/L	SW8260C	0.172	1.00	20.00	0	84.2	30 - 192				
Naphthalene	17.8	µg/L	SW8260C	0.587	1.00	20.00	0	88.8	41 - 131				
Tetrahydrofuran	18.8	µg/L	SW8260C	0.516	1.00	20.00	0	93.8	43 - 146				
Toluene	20.8	µg/L	SW8260C	0.183	1.00	20.00	0	104	18 - 192				
Xylenes, Total	57.9	µg/L	SW8260C	0.857	1.00	60.00	0	96.6	42 - 167				
Surr: 1,2-Dichloroethane-d4	54.6	µg/L	SW8260C			50.00		109	72 - 151				
Surr: 4-Bromofluorobenzene	50.1	µg/L	SW8260C			50.00		100	80 - 152				
Surr: Dibromofluoromethane	52.0	µg/L	SW8260C			50.00		104	80 - 124				
Surr: Toluene-d8	50.6	µg/L	SW8260C			50.00		101	77 - 129				

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609477
Project: 3rd Quarter 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: 1609477-003EMSD	Date Analyzed:	09/23/2016 1416h											
Test Code: 8260-W-DEN100													
Benzene	20.1	µg/L	SW8260C	0.270	1.00	20.00	0	101	66 - 145	20.7	2.50	25	
Chloroform	19.5	µg/L	SW8260C	0.153	1.00	20.00	0	97.7	50 - 146	19.8	1.42	25	
Methylene chloride	16.6	µg/L	SW8260C	0.172	1.00	20.00	0	83.0	30 - 192	16.8	1.32	25	
Naphthalene	17.5	µg/L	SW8260C	0.587	1.00	20.00	0	87.7	41 - 131	17.8	1.30	25	
Tetrahydrofuran	16.4	µg/L	SW8260C	0.516	1.00	20.00	0	82.1	43 - 146	18.8	13.3	25	
Toluene	19.4	µg/L	SW8260C	0.183	1.00	20.00	0	97.3	18 - 192	20.8	6.76	25	
Xylenes, Total	56.4	µg/L	SW8260C	0.857	1.00	60.00	0	93.9	42 - 167	57.9	2.77	25	
Surr: 1,2-Dichloroethane-d4	53.2	µg/L	SW8260C			50.00		106	72 - 151				
Surr: 4-Bromofluorobenzene	50.4	µg/L	SW8260C			50.00		101	80 - 152				
Surr: Dibromofluoromethane	51.0	µg/L	SW8260C			50.00		102	80 - 124				
Surr: Toluene-d8	49.8	µg/L	SW8260C			50.00		99.6	77 - 129				

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

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1609477**

Client: Energy Fuels Resources, Inc.

Due Date: 10/7/2016

Client ID: DEN100

Contact: Garrin Palmer

Project: **3rd Quarter Ground Water 2016**

QC Level: III

WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Alkalinity must be run at full volume, use ALK-W-2320B-LL test code. Groundwater project specific DL's: Run NO2/NO3 as a 10X. Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1609477-001A	**MW-03A_09222016**	9/22/2016 0730h	9/23/2016 1030h	**200.8-DIS** *1 SEL Analytes: SE*	Aqueous		df-dis-metals	1
				200.8-DIS-PR			df-dis-metals	
1609477-001B				**300.0-W** *1 SEL Analytes: SO4*			DF-WC	
1609477-002A	**MW-24_09222016**	9/22/2016 0830h	9/23/2016 1030h	**200.8-DIS** *2 SEL Analytes: CD TL*	Aqueous		df-dis-metals	1
				200.8-DIS-PR			df-dis-metals	
1609477-002B				**300.0-W** *2 SEL Analytes: F SO4*			DF-WC	
1609477-003A	**MW-37_09212016**	9/21/2016 1210h	9/23/2016 1030h	**200.7-DIS** *5 SEL Analytes: CA MG K NA V*	Aqueous		df-dis-metals	1
				200.7-DIS-PR			df-dis-metals	
				200.8-DIS *17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN*			df-dis-metals	
				200.8-DIS-PR			df-dis-metals	
				HG-DW-DIS-245.1 *1 SEL Analytes: HG*			df-dis-metals	
				HG-DW-DIS-PR			df-dis-metals	
				IONBALANCE *5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc*			df-dis-metals	
1609477-003B				**300.0-W** *3 SEL Analytes: CL F SO4*			DF-WC	
				ALK-W-2320B-LL *2 SEL Analytes: ALKB ALKC*			DF-WC	
1609477-003C				**NH3-W-350.1** *1 SEL Analytes: NH3N*			DF-NH3	
				NH3-W-PR			DF-NH3	
				NO2/NO3-W-353.2 *1 SEL Analytes: NO3NO2N*			DF-NH3	

Printed: 9/23/2016

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1609477**

Client: Energy Fuels Resources, Inc.

Due Date: 10/7/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1609477-003D	**MW-37_09212016**	9/21/2016 1210h	9/23/2016 1030h	**TDS-W-2540C** *1 SEL Analytes: TDS*	Aqueous		DF-tds	1
1609477-003E				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4*			VOCFridge	3
1609477-004A	**MW-03_09222016**	9/22/2016 0755h	9/23/2016 1030h	**200.7-DIS** *5 SEL Analytes: CA MG K NA V*	Aqueous		df-dis-metals	1
				200.7-DIS-PR			df-dis-metals	
				200.8-DIS *17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN*			df-dis-metals	
				200.8-DIS-PR			df-dis-metals	
				HG-DW-DIS-245.1 *1 SEL Analytes: HG*			df-dis-metals	
				HG-DW-DIS-PR			df-dis-metals	
				IONBALANCE *5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc*			df-dis-metals	
1609477-004B				**300.0-W** *3 SEL Analytes: CL F SO4*			DF-WC	
				ALK-W-2320B-LL *2 SEL Analytes: ALKB ALKC*			DF-WC	
1609477-004C				**NH3-W-350.1** *1 SEL Analytes: NH3N*			DF-NH3	
				NH3-W-PR			DF-NH3	
				NO2/NO3-W-353.2 *1 SEL Analytes: NO3NO2N*			DF-NH3	
1609477-004D				**TDS-W-2540C** *1 SEL Analytes: TDS*			DF-tds	
1609477-004E				**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4*			VOCFridge	3
1609477-005A	**Trip Blank**	9/21/2016	9/23/2016 1030h	**8260-W-DEN100** *Test Group: 8260-W-DEN100; # of Analytes: 11 / # of Surr: 4*	Aqueous		VOCFridge	3

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1609477
AWAL Lab Sample Set #
Page 1 of 2

QC Level: 3

Turn Around Time: Standard

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Due Date:

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Garrin Palmer
Phone #: (435) 678-2221 Cell #:
Email: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name: 3RD QUARTER GROUND WATER 2016
Project #:
PO #:
Sampler Name: TANNER HOLLIDAY

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Dissolved Manganese (200.7/200.8)	Cl (4500 or 300.0)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Dissolved Thallium (200.7/200.8)	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_09222016	9/22/2016	730	2	W							X		X						
3																				
4																				
5																				
6																				
7																				
8	MW-24_09222016	9/22/2016	830	2	W						X		X	X	X					
9																				
10																				
11																				
12																				

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 1.9 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by:	Date:	Received by:	Date:
Signature: Tanner Holliday	9/22/2016	Signature:	
Print Name: TANNER HOLLIDAY	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Elaine Hayward	Date: 9/23/16
Print Name:	Time:	Print Name: Elaine Hayward	Time: 1030
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1609477
AWAL Lab Sample Set #
Page 2 of 2

QC Level: 3

Turn Around Time: Standard

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Due Date:

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Garrin Palmer
Phone #: (435) 678-2221 Cell #:
Email: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name: 2nd Quarter Groundwater 2013
Project #: 3RD QUARTER GROUND WATER 2016
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-37_09212016	9/21/2016	1210	7	W	x	x	x	x	x	x	x	x	x	x	
2	MW-03_09222016	9/22/2016	755	7	W	x	x	x	x	x	x	x	x	x	x	
3	TRIP BLANK	9/21/2016		3	W										x	
4	TEMP BLANK	9/22/2016		1	W											
5																
6																
7																
8																
9																
10																
11																
12																

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered (Y)
2 Ambient or Chilled (Y)
3 Temperature 1.9 °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:	Date:	Received by:	Date:
Signature: Tanner Holliday	9/22/2016	Signature:	
Print Name: Tanner Holliday	Time: 1230	Print Name:	Time:
Relinquished by: Signature:	Date:	Received by: Signature: Elmer Hayes	Date: 9-23-16
Print Name:	Time:	Print Name: Elmer Hayes	Time: 1025
Relinquished by: Signature:	Date:	Received by: Signature:	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature:	Date:	Received by: Signature:	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 1609477
pH Lot 5003

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4														
Ammonia	pH <2 H_2SO_4			yes	yes														
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	yes	yes	yes	yes														
NO_2 & NO_3	pH <2 H_2SO_4			yes	yes														
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

September 20, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 404304

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 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,

Linda Pullano for
Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 404304

September 20, 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 August 22, 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
404304001	MW-32_08172016
404304002	MW-11_08162016
404304003	MW-14_08172016
404304004	MW-25_08172016
404304005	MW-26_08182016
404304006	MW-30_08182016
404304007	MW-31_08162016
404304008	MW-35_08162016
404304009	MW-36_08172016
404304010	MW-65_08182016

Case Narrative:

Sample analyses were conducted using methodology as outlined in GEL's Standard Operating Procedures. Any technical or administrative problems during analysis, data review, and reduction are contained in the analytical case narratives in the enclosed data package.

The enclosed data package contains the following sections: Case Narrative, Chain of Custody, Cooler Receipt Checklist, Data Package Qualifier Definitions and data from the following fractions: Radiochemistry.

Linda Pullano for
Julie Robinson
Project Manager

404304

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
3rd Quarter GW 2016	Tanner Holliday	

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-32_08172016	8/17/2016	1235	Gross Alpha
MW-11_08162016	8/16/2016	1200	Gross Alpha
MW-14_08172016	8/17/2016	1525	Gross Alpha
MW-25_08172016	8/17/2016	1245	Gross Alpha
MW-26_08182016	8/18/2016	930	Gross Alpha
MW-30_08182016	8/18/2016	1040	Gross Alpha
MW-31_08162016	8/16/2016	1335	Gross Alpha
MW-35_08162016	8/16/2016	1350	Gross Alpha
MW-36_08172016	8/17/2016	820	Gross Alpha
MW-65_08182016	8/18/2016	1040	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	8/18/2016 1230		8/22/16 9:15
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	SDG/AR/COC/Work Order: 404304
Received By: Zxw	Date Received: 8/22/16

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 23°c
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): E5032015830
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 9256 2890

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JR Date 8-22-16 Page 1 of 1

GL-CHL-SR-001 Rev 3

GEL Laboratories LLC - Login Review Report

GEL Work Order/SDG: 404304 3rd Quarter GW 2016
Client SDG: 404304
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-SEP-16
Package Due Date: 18-SEP-16
EDD Due Date: 20-SEP-16
Due Date: 20-SEP-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
404304001	MW-32_08172016		17-AUG-16 12:35	22-AUG-16 09:15	-2	1	GROUND WATER		20		1		
404304002	MW-11_08162016		16-AUG-16 12:00	22-AUG-16 09:15	-2	1	GROUND WATER		20		1		
404304003	MW-14_08172016		17-AUG-16 15:25	22-AUG-16 09:15	-2	1	GROUND WATER		20		1		
404304004	MW-25_08172016		17-AUG-16 12:45	22-AUG-16 09:15	-2	1	GROUND WATER		20		1		
404304005	MW-26_08182016		18-AUG-16 09:30	22-AUG-16 09:15	-2	1	GROUND WATER		20		1		
404304006	MW-30_08182016		18-AUG-16 10:40	22-AUG-16 09:15	-2	1	GROUND WATER		20		1		
404304007	MW-31_08162016		16-AUG-16 13:35	22-AUG-16 09:15	-2	1	GROUND WATER		20		1		
404304008	MW-35_08162016		16-AUG-16 13:50	22-AUG-16 09:15	-2	1	GROUND WATER		20		1		
404304009	MW-36_08172016		17-AUG-16 08:20	22-AUG-16 09:15	-2	1	GROUND WATER		20		1		
404304010	MW-65_08182016		18-AUG-16 10:40	22-AUG-16 09:15	-2	1	GROUND WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001 MW-32_08172016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	23	
-002 MW-11_08162016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	23	
-003 MW-14_08172016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	23	
-004 MW-25_08172016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	23	
-005 MW-26_08182016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	23	
-006 MW-30_08182016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	23	
-007 MW-31_08162016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	23	
-008 MW-35_08162016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	23	

GEL Laboratories LLC - Login Review Report

-009 MW-36_08172016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha	Cooler Seal Undisturbed	Y
				Temperature (C)	23
-010 MW-65_08182016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha	Cooler Seal Undisturbed	Y
				Temperature (C)	23

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010
Parmname Check: All parmnames scheduled properly

Path: Standard
Product Reference: Gross Alpha
Moisture Correction: "As Received"

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

Contingent Tests

Action	Product Name	Description	Samples

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 404304

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1596160

Sample ID	Client ID
404304001	MW-32_08172016
404304002	MW-11_08162016
404304003	MW-14_08172016
404304004	MW-25_08172016
404304005	MW-26_08182016
404304006	MW-30_08182016
404304007	MW-31_08162016
404304008	MW-35_08162016
404304009	MW-36_08172016
404304010	MW-65_08182016
1203621108	Method Blank (MB)
1203621112	Laboratory Control Sample (LCS)
1203621109	404304008(MW-35_08162016) Sample Duplicate (DUP)
1203621110	404304008(MW-35_08162016) Matrix Spike (MS)
1203621111	404304008(MW-35_08162016) 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 Miscellaneous Information section. The matrix spike and matrix spike duplicate, 1203621110 (MW-35_08162016MS) and 1203621111 (MW-35_08162016MSD) , did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with a value of 1.9526.

Designated QC
The following sample was used for QC: 404304008 (MW-35_08162016).

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Recounts
Sample 404304003 (MW-14_08172016) was recounted due to high MDC. The recount is reported.

Miscellaneous Information:

Data Exception (DER) Documentation
Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. The following DER was generated for this SDG: DER 1559561 was generated due to Failed Recovery for MS/MSD and or PS/PSD. 1. The matrix spike and the matrix spike duplicate, 1203621110 and 1203621111, do not meet the Radium 226 recovery requirement due to the matrix of the sample. 1. Reporting results

Sample-Specific MDA/MDC
The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments
The matrix spike and matrix spike duplicate, 1203621110 (MW-35_08162016MS) and 1203621111 (MW-35_08162016MSD), 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: 404304 GEL Work Order: 404304

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Heather M. McCarty **Name: Heather McCarty**

Date: 20 SEP 2016 **Title: Analyst II**

DATA EXCEPTION REPORT

Mo.Day Yr.	Division:	Quality Criteria:	Type:
20-SEP-16	Radiochemistry	Specifications	Process
Instrument Type:	**Test / Method:**	**Matrix Type:**	**Client Code:**
GFPC	EPA 900.1 Modified	Liquid	DNMI
Batch ID:	**Sample Numbers:**		
1596160	See Below		

Potentially affected work order(s)(SDG): 404304,405138

Application Issues:

Failed Recovery for MS/MSD, or PS/PSD

Specification and Requirements Exception Description:	DER Disposition:
1. The matrix spike and the matrix spike duplicate, 1203621110 and 1203621111, do not meet the Radium 226 recovery requirement due to the matrix of the sample.	1. Reporting results

Originator's Name:

Nat Long 20-SEP-16

Data Validator/Group Leader:

Amanda Fehr 20-SEP-16

GEL LABORATORIES LLC

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

QC Summary

Report Date: September 20, 2016

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

Contact: **Ms. Kathy Weinel**

Workorder: **404304**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1596160										
QC1203621109 404304008 DUP										
Gross Radium Alpha		2.56		2.39	pCi/L	6.94		(0% - 100%)	AXM6	09/19/16 16:4
	Uncertainty	+/-0.443		+/-0.445						
QC1203621112 LCS										
Gross Radium Alpha	412			320	pCi/L		77.5	(75%-125%)		09/19/16 16:4
	Uncertainty			+/-6.41						
QC1203621108 MB										
Gross Radium Alpha			U	-0.0209	pCi/L					09/19/16 16:4
	Uncertainty			+/-0.230						
QC1203621110 404304008 MS										
Gross Radium Alpha	1680	2.56		1060	pCi/L		63 *	(75%-125%)		09/19/16 16:4
	Uncertainty	+/-0.443		+/-21.2						
QC1203621111 404304008 MSD										
Gross Radium Alpha	1680	2.56		826	pCi/L	24.8*	49.1 *	(0%-20%)		09/19/16 16:4
	Uncertainty	+/-0.443		+/-19.1						

Notes:

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

The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

QC Summary

Workorder: **404304**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171
F 843.766.1178

gel.com

September 30, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 405138

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on September 02, 2016. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Julie Robinson

Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 405138

September 30, 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 September 02, 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
405138001	MW-27_08242016

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

405138

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
3rd Quarter GW 2016	Garrin Palmer	Garrin Palmer

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-27_08242016	8/24/2016	1425	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer Garrin Palmer	9/1/16 1230	Zac [illegible]	9.2.16 0935
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMT	SDG/AR/COC/Work Order: 405138
Received By: ZKW	Date Received: 9/2/16

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 21 C
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): ES03201583C
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	Do Low Level Perchlorate samples have headspace as required?		✓		Sample ID's and containers affected:
7	VOA vials contain acid preservation?		✓		(If unknown, select No)
8	VOA vials free of headspace (defined as < 6mm bubble)?		✓		Sample ID's and containers affected:
9	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
10	Samples received within holding time?	✓			ID's and tests affected:
11	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
12	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
13	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
14	Are sample containers identifiable as GEL provided?	✓			
15	COC form is properly signed in relinquished/received sections?	✓			
16	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground (UPS) Field Services Courier Other 1Z 187 Y4Y 01 9631 7156

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JR Date 9/2/16 Page 1 of 1

GL-CHL-SR-001 Rev 3

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 405138 3rd Quarter GW 2016
Client SDG: 405138
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: 03-OCT-16
Package Due Date: 01-OCT-16
EDD Due Date: 03-OCT-16
Due Date: 03-OCT-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
405138001	MW-27_08242016		24-AUG-16 14:25	02-SEP-16 09:35	-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_08242016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001
Parmname Check: All parmnames scheduled properly

Path: Standard
Product Reference: Gross Alpha
Moisture Correction: "As Received"

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

Contingent Tests

Action	Product Name	Description	Samples

Login Requirements:

Requirement	Include?	Comments

GEL Laboratories LLC - Login Review Report

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry
Technical Case Narrative
Energy Fuels Resources (DNMI)
SDG #: 405138

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1596160

Sample ID	Client ID
405138001	MW-27_08242016
1203621108	Method Blank (MB)
1203621112	Laboratory Control Sample (LCS)
1203621109	404304008(MW-35_08162016) Sample Duplicate (DUP)
1203621110	404304008(MW-35_08162016) Matrix Spike (MS)
1203621111	404304008(MW-35_08162016) 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 Miscellaneous Information section. The matrix spike and matrix spike duplicate, 1203621110 (MW-35_08162016MS) and 1203621111 (MW-35_08162016MSD) , did not meet the relative percent difference requirement; however, they

do meet the relative error ratio requirement with a value of 1.95.

Designated QC
The following sample was used for QC: 404304008 (MW-35_08162016).

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Recounts
None of the samples in this sample set were recounted.

Miscellaneous Information:

Data Exception (DER) Documentation
Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. The following DER was generated for this SDG: DER 1559561 was generated due to Failed Recovery for MS/MSD and or PS/PSD. 1. The matrix spike and the matrix spike duplicate, 1203621110 and 1203621111, do not meet the Radium 226 recovery requirement due to the matrix of the sample. 1. Reporting results

Sample-Specific MDA/MDC
The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments
The matrix spike and matrix spike duplicate, 1203621110 (MW-35_08162016MS) and 1203621111 (MW-35_08162016MSD), 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: 405138 GEL Work Order: 405138

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: 28 SEP 2016 **Title: Group Leader**

DATA EXCEPTION REPORT

Mo.Day Yr.	Division:	Quality Criteria:	Type:
20-SEP-16	Radiochemistry	Specifications	Process
Instrument Type:	**Test / Method:**	**Matrix Type:**	**Client Code:**
GFPC	EPA 900.1 Modified	Liquid	DNMI
Batch ID:	**Sample Numbers:**		
1596160	See Below		

Potentially affected work order(s)(SDG): 404304,405138

Application Issues:

Failed Recovery for MS/MSD, or PS/PSD

Specification and Requirements Exception Description:	DER Disposition:
1. The matrix spike and the matrix spike duplicate, 1203621110 and 1203621111, do not meet the Radium 226 recovery requirement due to the matrix of the sample.	1. Reporting results

Originator's Name:

Nat Long 20-SEP-16

Data Validator/Group Leader:

Amanda Fehr 20-SEP-16

GEL LABORATORIES LLC

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

QC Summary

Report Date: September 28, 2016

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

Contact: **Ms. Kathy Weinel**

Workorder: **405138**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1596160										
QC1203621109 404304008 DUP										
Gross Radium Alpha		2.56		2.39	pCi/L	6.94		(0% - 100%)	AXM6	09/19/16 16:4
	Uncertainty	+/-0.443		+/-0.445						
QC1203621112 LCS										
Gross Radium Alpha	412			320	pCi/L		77.5	(75%-125%)		09/19/16 16:4
	Uncertainty			+/-6.41						
QC1203621108 MB										
Gross Radium Alpha			U	-0.0209	pCi/L					09/19/16 16:4
	Uncertainty			+/-0.230						
QC1203621110 404304008 MS										
Gross Radium Alpha	1680	2.56		1060	pCi/L		63*	(75%-125%)		09/19/16 16:4
	Uncertainty	+/-0.443		+/-21.2						
QC1203621111 404304008 MSD										
Gross Radium Alpha	1680	2.56		826	pCi/L	24.8*	49.1*	(0%-20%)		09/19/16 16:4
	Uncertainty	+/-0.443		+/-19.1						

Notes:

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

The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

QC Summary

Workorder: **405138**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171
F 843.766.1178

gel.com

October 20, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 406684

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on September 24, 2016. This original data report has been prepared and reviewed in accordance with GEL's standard operating procedures.

Our policy is to provide high quality, personalized analytical services to enable you to meet your analytical needs on time every time. We trust that you will find everything in order and to your satisfaction. If you have any questions, please do not hesitate to call me at (843) 556-8171, ext. 4289.

Sincerely,

Julie Robinson

Julie Robinson
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 406684

October 20, 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 September 24, 2016 for analysis. The samples were delivered with proper chain of custody documentation and signatures. All sample containers arrived without any visible signs of tampering or breakage. There are no additional comments concerning sample receipt.

Sample Identification: The laboratory received the following samples:

Laboratory ID	Client ID
406684001	MW-37_09212016
406684002	MW-03_09222016

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

4066684

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
3rd Quarter Ground Water 2016	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-37_09212016	9/21/2016	1210	Gross Alpha
MW-03_09222016	9/22/2016	755	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
TANNER HOLLIDAY Tanner Holliday	9/22/2016 1230	[illegible]	9-24-16 1000
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMT	SDG/AR/COC/Work Order: 406684
Received By: MK	Date Received: 9-24-16

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): cpm 0
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 2d C
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: 130462962 Secondary Temperature Device Serial # (If Applicable):
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	Do Low Level Perchlorate samples have headspace as required?		✓		Sample ID's and containers affected:
7	VOA vials contain acid preservation?		✓		(If unknown, select No)
8	VOA vials free of headspace (defined as < 6mm bubble)?		✓		Sample ID's and containers affected:
9	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
10	Samples received within holding time?	✓			ID's and tests affected:
11	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
12	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
13	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
14	Are sample containers identifiable as GEL provided?	✓			
15	COC form is properly signed in relinquished/received sections?	✓			
16	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground (UPS) Field Services Courier Other 1Z 187 Y4Y 9815 3039

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials CS Date 9/23/16 Page 1 of 1

GL-CHL-SR-001 Rev 3

GEL Laboratories LLC - Login Review Report

GEL Work Order/SDG: 406684 3rd Quarter GW 2016
Client SDG: 406684
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: 21-OCT-16
Package Due Date: 19-OCT-16
EDD Due Date: 21-OCT-16
Due Date: 21-OCT-16
HXS1

Collector: C
Prelogin #: 20160949414
Project Workdef ID: 1294356
SDG Status: Closed
Logged by:

GEL ID	Client Sample ID	Client Sample Desc.	Collect Date & Time	Receive Date & Time	Time Zone	# of Cont.	Lab Matrix	Fax Due Date	Days to Process	CofC #	Prelog Group	Lab QC	Field QC
406684001	MW-37_09212016		21-SEP-16 12:10	24-SEP-16 10:00	-2	1	WATER		20		1		
406684002	MW-03_09222016		22-SEP-16 07:55	24-SEP-16 10:00	-2	1	WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001 MW-37_09212016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	22	
-002 MW-03_09222016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	22	

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

Contingent Tests

Action	Product Name	Description	Samples

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 #: 406684

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1603862

Sample ID	Client ID
406684001	MW-37_09212016
406684002	MW-03_09222016
1203639990	Method Blank (MB)
1203639994	Laboratory Control Sample (LCS)
1203639991	406063001(MW-35_09132016) Sample Duplicate (DUP)
1203639992	406063001(MW-35_09132016) Matrix Spike (MS)
1203639993	406063001(MW-35_09132016) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-010 REV# 15.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

QC Information
All of the QC samples meet the required acceptance limits with the following exceptions: The sample and the duplicate, 1203639991 (MW-35_09132016DUP) , did not meet the relative percent difference requirement;

however, they do meet the relative error ratio requirement with a value of 2.08.

Designated QC
The following sample was used for QC: 406063001 (MW-35_09132016).

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Recounts
Sample 1203639992 (MW-35_09132016MS) was recounted due to low recovery. The recount is reported.

Miscellaneous Information:

Data Exception (DER) Documentation
Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Sample-Specific MDA/MDC
The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments
The matrix spike and matrix spike duplicate, 1203639992 (MW-35_09132016MS) and 1203639993 (MW-35_09132016MSD), 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: 406684 GEL Work Order: 406684

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: 17 OCT 2016 **Title: Analyst I**

GEL LABORATORIES LLC

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

QC Summary

Report Date: October 17, 2016

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

Contact: **Ms. Kathy Weinel**

Workorder: **406684**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1603862										
QC1203639991 406063001 DUP										
Gross Radium Alpha		3.68		2.55	pCi/L	36.2*		(0%-20%)	AXM6	10/13/16 19:3
	Uncertainty	+/-0.277		+/-0.255						
QC1203639994 LCS										
Gross Radium Alpha	412			372	pCi/L		90.1	(75%-125%)		10/13/16 19:3
	Uncertainty			+/-6.44						
QC1203639990 MB										
Gross Radium Alpha			U	0.0443	pCi/L					10/13/16 19:3
	Uncertainty			+/-0.157						
QC1203639992 406063001 MS										
Gross Radium Alpha	1670	3.68		1280	pCi/L		76.4	(75%-125%)		10/14/16 07:2
	Uncertainty	+/-0.277		+/-21.8						
QC1203639993 406063001 MSD										
Gross Radium Alpha	1670	3.68		1420	pCi/L	9.96	84.4	(0%-20%)		10/13/16 19:3
	Uncertainty	+/-0.277		+/-25.2						

Notes:

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

The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

GEL LABORATORIES LLC

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

QC Summary

Workorder: **406684**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab F

Laboratory Analytical Reports – Accelerated Monitoring

Tab F1

Laboratory Analytical Reports – Accelerated Monitoring

July 2016

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Ground Water 2016
Lab Sample ID: 1607239-001
Client Sample ID: MW-11_07132016
Collection Date: 7/13/2016 1100h
Received Date: 7/15/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	7/15/2016 1301h	7/27/2016 1234h	E200.8	0.0100	**0.140**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Ground Water 2016
Lab Sample ID: 1607239-002
Client Sample ID: MW-25_07122016
Collection Date: 7/12/2016 1040h
Received Date: 7/15/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	7/15/2016 1301h	7/27/2016 1237h	E200.8	0.000500	**0.00144**	
Uranium	mg/L	7/15/2016 1301h	7/27/2016 1357h	E200.8	0.000300	**0.00664**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Ground Water 2016
Lab Sample ID: 1607239-002
Client Sample ID: MW-25_07122016
Collection Date: 7/12/2016 1040h
Received Date: 7/15/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		7/18/2016 1317h	E300.0	10.0	**29.6**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Ground Water 2016
Lab Sample ID: 1607239-003
Client Sample ID: MW-26_07142016
Collection Date: 7/14/2016 1130h
Received Date: 7/15/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	7/15/2016 1301h	7/27/2016 1400h	E200.8	0.000300	**0.0454**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Ground Water 2016
Lab Sample ID: 1607239-003
Client Sample ID: MW-26_07142016
Collection Date: 7/14/2016 1130h
Received Date: 7/15/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		7/18/2016 1300h	E300.0	10.0	**68.3**	
Nitrate/Nitrite (as N)	mg/L		7/19/2016 1740h	E353.2	0.100	**1.63**	

American West ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Ground Water 2016
Lab Sample ID: 1607239-003D
Client Sample ID: MW-26_07142016
Collection Date: 7/14/2016 1130h
Received Date: 7/15/2016 1030h

Test Code: 8260-W-DEN100

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

Analyzed: 7/15/2016 1426h
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	**3,300**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	4,830	5,000	96.6	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	5,310	5,000	106	80-152	
Surr: Dibromofluoromethane	1868-53-7	5,000	5,000	100	80-124	
Surr: Toluene-d8	2037-26-5	5,110	5,000	102	77-129	

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

Analyzed: 7/15/2016 1335h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Methylene chloride	75-09-2	1.00	**8.99**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	46.9	50.00	93.9	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.1	50.00	106	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.9	50.00	99.8	80-124	
Surr: Toluene-d8	2037-26-5	50.3	50.00	101	77-129	

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: July Monthly Ground Water 2016
Lab Sample ID: 1607239-004
Client Sample ID: MW-30_07132016
Collection Date: 7/13/2016 950h
Received Date: 7/15/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	7/15/2016 1301h	7/27/2016 1240h	E200.8	0.00500	**0.0427**	
Uranium	mg/L	7/15/2016 1301h	7/27/2016 1403h	E200.8	0.000300	**0.00810**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Ground Water 2016
Lab Sample ID: 1607239-004
Client Sample ID: MW-30_07132016
Collection Date: 7/13/2016 950h
Received Date: 7/15/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		7/18/2016 1351h	E300.0	100	**137**	
Fluoride	mg/L		7/18/2016 1334h	E300.0	0.100	**0.360**	
Nitrate/Nitrite (as N)	mg/L		7/19/2016 1902h	E353.2	0.100	**16.1**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Ground Water 2016
Lab Sample ID: 1607239-005
Client Sample ID: MW-31_07122016
Collection Date: 7/12/2016 1315h
Received Date: 7/15/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	7/15/2016 1301h	7/27/2016 1243h	E200.8	0.00500	**0.0856**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Ground Water 2016
Lab Sample ID: 1607239-005
Client Sample ID: MW-31_07122016
Collection Date: 7/12/2016 1315h
Received Date: 7/15/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		7/18/2016 1150h	E300.0	100	**241**	
Nitrate/Nitrite (as N)	mg/L		7/19/2016 1903h	E353.2	0.100	**17.4**	
Sulfate	mg/L		7/18/2016 1150h	E300.0	100	**712**	
Total Dissolved Solids	mg/L		7/15/2016 1149h	SM2540C	20.0	**1,610**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Ground Water 2016
Lab Sample ID: 1607239-006
Client Sample ID: MW-35_07122016
Collection Date: 7/12/2016 1220h
Received Date: 7/15/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	7/15/2016 1301h	7/27/2016 1246h	E200.8	0.0100	**0.210**	
Selenium	mg/L	7/15/2016 1301h	7/27/2016 1246h	E200.8	0.00500	**0.00860**	
Thallium	mg/L	7/15/2016 1301h	7/27/2016 1330h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	7/15/2016 1301h	7/27/2016 1406h	E200.8	0.000300	**0.0215**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: August 11, 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_07122016	Project:	DNMI00100
Sample ID:	401655001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	12-JUL-16 12:20		
Receive Date:	15-JUL-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		3.64	+/-0.585	0.922	1.00	pCi/L			AXM6	08/11/16	1223	1584521	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			100	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor
DL: Detection Limit
MDA: Minimum Detectable Activity
MDC: Minimum Detectable Concentration
Lc/LC: Critical Level
PF: Prep Factor
RL: Reporting Limit
SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Ground Water 2016
Lab Sample ID: 1607239-007
Client Sample ID: MW-65_07122016
Collection Date: 7/12/2016 1220h
Received Date: 7/15/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	7/15/2016 1301h	7/27/2016 1259h	E200.8	0.0100	**0.219**	
Selenium	mg/L	7/15/2016 1301h	7/27/2016 1259h	E200.8	0.00500	**0.00870**	
Thallium	mg/L	7/15/2016 1301h	7/27/2016 1333h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	7/15/2016 1301h	7/27/2016 1409h	E200.8	0.000300	**0.0215**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: August 11, 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_07122016	Project:	DNMI00100
Sample ID:	401655002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	12-JUL-16 12:20		
Receive Date:	15-JUL-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		2.89	+/-0.537	0.987	1.00	pCi/L			AXM6	08/11/16	1223	1584521	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			100	(25%-125%)

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: July Monthly Ground Water 2016
Lab Sample ID: 1607239-008A
Client Sample ID: Trip Blank
Collection Date: 7/14/2016
Received Date: 7/15/2016 1030h Test Code: 8260-W-DEN100

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

Analyzed: 7/15/2016 1315h
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	45.9	50.00	91.9	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	54.5	50.00	109	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.4	50.00	98.9	80-124	
Surr: Toluene-d8	2037-26-5	51.6	50.00	103	77-129	

American West
ANALYTICAL LABORATORIES
3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

RE: July Monthly Ground Water 2016

Dear Garrin Palmer: Lab Set ID: 1607239

American West Analytical Laboratories received sample(s) on 7/15/2016 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Kyle F. Gross — Digitally signed by Kyle F. Gross Date: 2016.08.04 06:32:07 -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: July Monthly Ground Water 2016
Lab Set ID: 1607239
Date Received: 7/15/2016 1030h

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1607239-001A	MW-11_07132016	7/13/2016	1100h	Aqueous	ICPMS Metals, Dissolved
1607239-002A	MW-25_07122016	7/12/2016	1040h	Aqueous	ICPMS Metals, Dissolved
1607239-002B	MW-25_07122016	7/12/2016	1040h	Aqueous	Anions, E300.0
1607239-003A	MW-26_07142016	7/14/2016	1130h	Aqueous	ICPMS Metals, Dissolved
1607239-003B	MW-26_07142016	7/14/2016	1130h	Aqueous	Anions, E300.0
1607239-003C	MW-26_07142016	7/14/2016	1130h	Aqueous	Nitrite/Nitrate (as N), E353.2
1607239-003D	MW-26_07142016	7/14/2016	1130h	Aqueous	VOA by GC/MS Method 8260C/5030C
1607239-004A	MW-30_07132016	7/13/2016	950h	Aqueous	ICPMS Metals, Dissolved
1607239-004B	MW-30_07132016	7/13/2016	950h	Aqueous	Anions, E300.0
1607239-004C	MW-30_07132016	7/13/2016	950h	Aqueous	Nitrite/Nitrate (as N), E353.2
1607239-005A	MW-31_07122016	7/12/2016	1315h	Aqueous	ICPMS Metals, Dissolved
1607239-005B	MW-31_07122016	7/12/2016	1315h	Aqueous	Anions, E300.0
1607239-005C	MW-31_07122016	7/12/2016	1315h	Aqueous	Nitrite/Nitrate (as N), E353.2
1607239-005D	MW-31_07122016	7/12/2016	1315h	Aqueous	Total Dissolved Solids, A2540C
1607239-006A	MW-35_07122016	7/12/2016	1220h	Aqueous	ICPMS Metals, Dissolved
1607239-007A	MW-65_07122016	7/12/2016	1220h	Aqueous	ICPMS Metals, Dissolved
1607239-008A	Trip Blank	7/14/2016		Aqueous	VOA by GC/MS Method 8260C/5030C

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

Inorganic Case Narrative

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	July Monthly Ground Water 2016
Lab Set ID:	1607239

Sample Receipt Information:

Date of Receipt:	7/15/2016
Dates of Collection:	7/12– 7/14/2016
Sample Condition:	Intact
C-O-C Discrepancies:	See Chain-of-Custody

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits.

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

Corrective Action: None required.

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

Volatile Case Narrative

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	July Monthly Ground Water 2016
Lab Set ID:	1607239

Sample Receipt Information:

Date of Receipt:	7/15/2016
Dates of Collection:	7/12– 7/14/2016
Sample Condition:	Intact
C-O-C Discrepancies:	See Chain-of-Custody
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Multiple target analytes 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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1607239
Project: July 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-43992**	Date Analyzed:	07/27/2016 1221h											
Test Code:	200.8-DIS	Date Prepared:	07/15/2016 1301h											
Cadmium		0.203	mg/L	E200.8	0.0000666	0.000500	0.2000	0	101	85 - 115				
Manganese		0.203	mg/L	E200.8	0.000560	0.00200	0.2000	0	102	85 - 115				
Selenium		0.218	mg/L	E200.8	0.000310	0.00200	0.2000	0	109	85 - 115				
Thallium		0.197	mg/L	E200.8	0.0000500	0.00200	0.2000	0	98.5	85 - 115				
Uranium		0.205	mg/L	E200.8	0.0000710	0.00200	0.2000	0	103	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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1607239
Project: July 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-43992**	Date Analyzed:	07/27/2016 1218h											
Test Code:	200.8-DIS	Date Prepared:	07/15/2016 1301h											
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-43992**	Date Analyzed:	07/27/2016 1327h											
Test Code:	200.8-DIS	Date Prepared:	07/15/2016 1301h											
Thallium		< 0.000500	mg/L	E200.8	0.0000125	0.000500								
Lab Sample ID:	**MB-43992**	Date Analyzed:	07/27/2016 1353h											
Test Code:	200.8-DIS	Date Prepared:	07/15/2016 1301h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1607239
Project: July 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:	**1607239-007AMS**	Date Analyzed:	07/27/2016 1308h											
Test Code:	200.8-DIS	Date Prepared:	07/15/2016 1301h											
Manganese		0.411	mg/L	E200.8	0.000560	0.00200	0.2000	0.219	96.1	75 - 125				
Selenium		0.215	mg/L	E200.8	0.000310	0.00200	0.2000	0.0087	103	75 - 125				
Lab Sample ID:	**1607239-007AMS**	Date Analyzed:	07/28/2016 1527h											
Test Code:	200.8-DIS	Date Prepared:	07/15/2016 1301h											
Cadmium		0.191	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000619	95.7	75 - 125				
Thallium		0.184	mg/L	E200.8	0.0000500	0.00200	0.2000	0	92.0	75 - 125				
Lab Sample ID:	**1607239-007AMS**	Date Analyzed:	08/02/2016 1052h											
Test Code:	200.8-DIS	Date Prepared:	07/15/2016 1301h											
Uranium		0.222	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0215	100	75 - 125				

analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of 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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1607239
Project: July 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:	**1607239-007AMSD**	Date Analyzed:	07/27/2016 1311h											
Test Code:	200.8-DIS	Date Prepared:	07/15/2016 1301h											
Manganese		0.410	mg/L	E200.8	0.000560	0.00200	0.2000	0.219	95.7	75 - 125	0.411	0.175	20	
Selenium		0.212	mg/L	E200.8	0.000310	0.00200	0.2000	0.0087	102	75 - 125	0.215	1.35	20	
Lab Sample ID:	**1607239-007AMSD**	Date Analyzed:	07/28/2016 1530h											
Test Code:	200.8-DIS	Date Prepared:	07/15/2016 1301h											
Cadmium		0.190	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000619	95.1	75 - 125	0.191	0.605	20	
Thallium		0.183	mg/L	E200.8	0.0000500	0.00200	0.2000	0	91.7	75 - 125	0.184	0.338	20	
Lab Sample ID:	**1607239-007AMSD**	Date Analyzed:	08/02/2016 1056h											
Test Code:	200.8-DIS	Date Prepared:	07/15/2016 1301h											
Uranium		0.223	mg/L	E200.8	0.0000710	0.00200	0.2000	0.0215	101	75 - 125	0.222	0.598	20	

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1607239
Project: July 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: 1607239-005DDUP Date Analyzed: 07/15/2016 1149h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	1,620	mg/L	SM2540C	17.5	20.0					1610	0.743	5	

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1607239
Project: July 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-R92037 Date Analyzed: 07/18/2016 1113h													
Test Code: 300.0-W													
Chloride	4.98	mg/L	E300.0	0.00516	0.100	5.000	0	99.6	90 - 110				
Fluoride	5.13	mg/L	E300.0	0.0139	0.100	5.000	0	103	90 - 110				
Sulfate	5.08	mg/L	E300.0	0.0201	0.750	5.000	0	102	90 - 110				
Lab Sample ID: LCS NO3-R92052 Date Analyzed: 07/19/2016 1714h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.989	mg/L	E353.2	0.00833	0.0100	1.000	0	98.9	90 - 110				
Lab Sample ID: LCS NO3-R92055 Date Analyzed: 07/19/2016 1901h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.932	mg/L	E353.2	0.00833	0.0100	1.000	0	93.2	90 - 110				
Lab Sample ID: LCS-R92014 Date Analyzed: 07/15/2016 1149h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	208	mg/L	SM2540C	8.77	10.0	205.0	0	101	80 - 120				

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1607239
Project: July 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-R92037 Date Analyzed: 07/18/2016 1056h													
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-R92052 Date Analyzed: 07/19/2016 1712h													
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-R92055 Date Analyzed: 07/19/2016 1859h													
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-R92014 Date Analyzed: 07/15/2016 1149h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1607239
Project: July 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: 1607239-005BMS	Date Analyzed:	07/18/2016 1207h											
Test Code: 300.0-W													
Chloride	1,280	mg/L	E300.0	1.03	20.0	1,000	241	104	90 - 110				
Fluoride	1,050	mg/L	E300.0	2.78	20.0	1,000	0	105	90 - 110				
Sulfate	1,750	mg/L	E300.0	4.02	150	1,000	712	104	90 - 110				
Lab Sample ID: 1607239-003CMS NO3	Date Analyzed:	07/19/2016 1741h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.3	mg/L	E353.2	0.0833	0.100	10.00	1.63	97.0	90 - 110				

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1607239
Project: July 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: 1607239-005BMSD Date Analyzed: 07/18/2016 1224h													
Test Code: 300.0-W													
Chloride	1,270	mg/L	E300.0	1.03	20.0	1,000	241	103	90 - 110	1280	0.651	20	
Fluoride	1,050	mg/L	E300.0	2.78	20.0	1,000	0	105	90 - 110	1050	0.446	20	
Sulfate	1,710	mg/L	E300.0	4.02	150	1,000	712	99.6	90 - 110	1750	2.41	20	
Lab Sample ID: 1607239-003CMSD NO3 Date Analyzed: 07/19/2016 1742h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.3	mg/L	E353.2	0.0833	0.100	10.00	1.63	96.3	90 - 110	11.3	0.620	10	

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1607239
Project: July 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 071516A	Date Analyzed:	07/15/2016 1133h											
Test Code: 8260-W-DEN100													
Chloroform	19.3	µg/L	SW8260C	0.153	1.00	20.00	0	96.6	85 - 124				
Methylene chloride	14.6	µg/L	SW8260C	0.172	1.00	20.00	0	72.8	71 - 135				
Surr: 1,2-Dichloroethane-d4	45.0	µg/L	SW8260C			50.00		89.9	80 - 122				
Surr: 4-Bromofluorobenzene	53.2	µg/L	SW8260C			50.00		106	85 - 121				
Surr: Dibromofluoromethane	50.0	µg/L	SW8260C			50.00		100	80 - 116				
Surr: Toluene-d8	51.4	µg/L	SW8260C			50.00		103	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
me 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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1607239
Project: July 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 071516A	Date Analyzed:	07/15/2016 1212h											
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	46.0	µg/L	SW8260C			50.00		91.9	80 - 122				
Surr: 4-Bromofluorobenzene	53.4	µg/L	SW8260C			50.00		107	85 - 121				
Surr: Dibromofluoromethane	49.3	µg/L	SW8260C			50.00		98.7	80 - 116				
Surr: Toluene-d8	51.6	µg/L	SW8260C			50.00		103	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
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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1607239
Project: July 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: 1607239-003DMS	Date Analyzed:	07/15/2016 1446h											
Test Code: 8260-W-DEN100													
Chloroform	5,140	µg/L	SW8260C	15.3	100	2,000	3300	92.2	50 - 146				
Methylene chloride	1,570	µg/L	SW8260C	17.2	100	2,000	0	78.5	30 - 192				
Surr: 1,2-Dichloroethane-d4	4,930	µg/L	SW8260C			5,000		98.5	72 - 151				
Surr: 4-Bromofluorobenzene	4,930	µg/L	SW8260C			5,000		98.6	80 - 152				
Surr: Dibromofluoromethane	5,120	µg/L	SW8260C			5,000		102	80 - 124				
Surr: Toluene-d8	5,070	µg/L	SW8260C			5,000		101	77 - 129				

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1607239
Project: July 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: 1607239-003DMSD	Date Analyzed:	07/15/2016 1506h											
Test Code: 8260-W-DEN100													
Chloroform	5,330	µg/L	SW8260C	15.3	100	2,000	3300	102	50 - 146	5140	3.57	25	
Methylene chloride	1,610	µg/L	SW8260C	17.2	100	2,000	0	80.7	30 - 192	1570	2.76	25	
Surr: 1,2-Dichloroethane-d4	4,880	µg/L	SW8260C			5,000		97.6	72 - 151				
Surr: 4-Bromofluorobenzene	4,980	µg/L	SW8260C			5,000		99.6	80 - 152				
Surr: Dibromofluoromethane	4,990	µg/L	SW8260C			5,000		99.7	80 - 124				
Surr: Toluene-d8	5,020	µg/L	SW8260C			5,000		100	77 - 129				

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

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1607239**

Client: Energy Fuels Resources, Inc.

Due Date: 8/1/2016

Client ID: DEN100

Contact: Garrin Palmer

Project: **July Monthly Ground Water 2016**

QC Level: III

WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Alkalinity must be run at full volume, use ALK-W-2320B-LL test code. Groundwater project specific DL's: Run NO2/NO3 as a 10X. Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1607239-001A	**MW-11_07132016**	7/13/2016 1100h	7/15/2016 1030h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: MN				
				200.8-DIS-PR			DF-Dis Metals	
1607239-002A	**MW-25_07122016**	7/12/2016 1040h	7/15/2016 1030h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				2 SEL Analytes: CD U				
				200.8-DIS-PR			DF-Dis Metals	
1607239-002B				**300.0-W**			DF-cl	
				1 SEL Analytes: CL				
1607239-003A	**MW-26_07142016**	7/14/2016 1130h	7/15/2016 1030h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: U				
				200.8-DIS-PR			DF-Dis Metals	
1607239-003B				**300.0-W**			DF-cl	
				1 SEL Analytes: CL				
1607239-003C				**NO2/NO3-W-353.2**			DF-no2/no3	
				1 SEL Analytes: NO3NO2N				
1607239-003D				**8260-W-DEN100**			vOC	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				
1607239-004A	**MW-30_07132016**	7/13/2016 0950h	7/15/2016 1030h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR			DF-Dis Metals	
1607239-004B				**300.0-W**			DF-cl	
				2 SEL Analytes: CL F				
1607239-004C				**NO2/NO3-W-353.2**			DF-no2/no3	
				1 SEL Analytes: NO3NO2N				
1607239-005A	**MW-31_07122016**	7/12/2016 1315h	7/15/2016 1030h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: SE				
				200.8-DIS-PR			DF-Dis Metals	
1607239-005B				**300.0-W**			DF-cl	
				2 SEL Analytes: CL SO4				

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed 6/15/16

WORK ORDER Summary

Work Order: **1607239**

Client: Energy Fuels Resources, Inc.

Due Date: 8/1/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1607239-005C	**MW-31_07122016**	7/12/2016 1315h	7/15/2016 1030h	**NO2/NO3-W-353.2**	Aqueous		DF-no2/no3	1
				1 SEL Analytes: NO3NO2N				
1607239-005D				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1607239-006A	**MW-35_07122016**	7/12/2016 1220h	7/15/2016 1030h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				4 SEL Analytes: MN SE TL U				
				200.8-DIS-PR			DF-Dis Metals	
1607239-007A	**MW-65_07122016**	7/12/2016 1220h	7/15/2016 1030h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				4 SEL Analytes: MN SE TL U				
				200.8-DIS-PR			DF-Dis Metals	
1607239-008A	**Trip Blank**	7/14/2016	7/15/2016 1030h	**8260-W-DEN100**	Aqueous		vOC	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				

AWAL Use Only. Close Hold Times

Test Code	# Samps	Min. days left
TDS-W-2540C	1	1.07

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1607239
AWAL Lab Sample Set #
Page 1 of 1

QC Level: 3

Turn Around Time: Standard

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Due Date:

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Garrin Palmer
Phone #: (435) 678-2221 Cell #:
Email: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name: July 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)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Dissolved Thallium (200.7/200.8)	Fluoride (A4500-F C or 300.0)	SO_4 (4500 or 300.0)	VOCs Chloroform, Dichloromethane, (8260C)	Known Hazards & Sample Comments
1	MW-11_07132016	7/13/2016	1100	1	w		X										
3	MW-25_07122016	7/12/2016	1040	2	w			X		X	X						
4	MW-26_07142016	7/14/2016	1130	6	w	X		X		X						X	
5	MW-30_07132016	7/13/2016	950	3	w	X		X		X		X		X			
6	MW-31_07122016	7/12/2016	1315	4	w	X		X	X			X			X		
7	MW-35_07122016	7/12/2016	1220	1	w		X			X		X	X				
8	MW-65_07122016	7/12/2016	1220	1	w		X			X		X	X				
9	TRIP BLANK	7/14/2016		3	W											X	
10	TEMP BLANK	7/14/2016		1	W												
11																	
12																	

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 1.4 °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:	Date:	Received by:	Date:
Signature: Tanner Holliday	7/14/2016	Signature:	
Print Name: TANNER HOLLIDAY	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Elma Hayes	Date: 7-15-16
Print Name:	Time:	Print Name: Elma Hayes	Time: 1030
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Lab Set ID: 1607239
pH Lot 5004

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7											
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	yes	yes	yes	yes	yes	yes	yes											
NO_2 & NO_3	pH <2 H_2SO_4			yes	yes	yes													
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171
F 843.766.1178

gel.com

August 11, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 401655

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on July 15, 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: 401655

August 11, 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 July 15, 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
401655001	MW-35_07122016
401655002	MW-65_07122016

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

401655

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
July Monthly GW 2016	TANNERHOLLIDAY	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-35_07122016	7/12/2016	1220	Gross Alpha
MW-65_07122016	7/12/2016	1220	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
TANNER HOLLIDAY Tanner Holliday	7/14/2016 1230	[illegible]	7/15/16 0940
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	SDG/AR/COC/Work Order: 401655
Received By: Sara Grimball	Date Received: 7/15/16

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) 25°C *all temperatures are recorded in Celsius
2a	Daily check performed and passed on IR temperature gun?	/			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): E5102009184
3	Chain of custody documents included with shipment?	/			
4	Sample containers intact and sealed?	/			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	/			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	Do Low Level Perchlorate samples have headspace as required?		/		Sample ID's and containers affected:
7	VOA vials contain acid preservation?		/		(If unknown, select No)
8	VOA vials free of headspace (defined as < 6mm bubble)?		/		Sample ID's and containers affected:
9	Are Encore containers present?			/	(If yes, immediately deliver to Volatiles laboratory)
10	Samples received within holding time?	/			ID's and tests affected:
11	Sample ID's on COC match ID's on bottles?	/			Sample ID's and containers affected:
12	Date & time on COC match date & time on bottles?	/			Sample ID's affected:
13	Number of containers received match number indicated on COC?	/			Sample ID's affected:
14	Are sample containers identifiable as GEL provided?			/	
15	COC form is properly signed in relinquished/received sections?	/			
16	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground (UPS) Field Services Courier Other 1Z 187 Y4Y 01 9661 8072

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JR Date 7/15/16 Page 1 of 1

GL-CHL-SR-001 Rev 3

GEL Laboratories LLC - Login Review Report

GEL Work Order/SDG: 401655 July Monthly GW 2016
Client SDG: 401655
Project Manager: Julie Robinson
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 12-AUG-16
Package Due Date: 10-AUG-16
EDD Due Date: 12-AUG-16
Due Date: 12-AUG-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
401655001	MW-35_07122016		12-JUL-16 12:20	15-JUL-16 09:40	-2	1	GROUND WATER		20		1		
401655002	MW-65_07122016		12-JUL-16 12:20	15-JUL-16 09:40	-2	1	GROUND WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001 MW-35_07122016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	25	
-002 MW-65_07122016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	Y	
						Temperature (C)	25	

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

Contingent Tests

Action	Product Name	Description	Samples

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 #: 401655

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1584521

Sample ID	Client ID
401655001	MW-35_07122016
401655002	MW-65_07122016
1203591783	Method Blank (MB)
1203591787	Laboratory Control Sample (LCS)
1203591784	401655002(MW-65_07122016) Sample Duplicate (DUP)
1203591785	401655002(MW-65_07122016) Matrix Spike (MS)
1203591786	401655002(MW-65_07122016) 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: 401655002 (MW-65_07122016).

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, 1203591785 (MW-65_07122016MS) and 1203591786 (MW-65_07122016MSD), 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: 401655 GEL Work Order: 401655

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: 11 AUG 2016 **Title: Group Leader**

GEL LABORATORIES LLC

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

QC Summary

Report Date: August 11, 2016

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

Contact: **Ms. Kathy Weinel**

Workorder: **401655**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1584521										
QC1203591784 401655002 DUP										
Gross Radium Alpha		2.89		3.79	pCi/L	27.1		(0% - 100%)	AXM6	08/11/16 12:2
	Uncertainty	+/-0.537		+/-0.559						
QC1203591787 LCS										
Gross Radium Alpha	412			396	pCi/L		96.1	(75%-125%)		08/11/16 12:4
	Uncertainty			+/-5.61						
QC1203591783 MB										
Gross Radium Alpha			U	0.124	pCi/L					08/11/16 12:2
	Uncertainty			+/-0.204						
QC1203591785 401655002 MS										
Gross Radium Alpha	1670	2.89		1590	pCi/L		94.8	(75%-125%)		08/11/16 12:4
	Uncertainty	+/-0.537		+/-22.3						
QC1203591786 401655002 MSD										
Gross Radium Alpha	1670	2.89		1640	pCi/L	2.94	97.6	(0%-20%)		08/11/16 12:4
	Uncertainty	+/-0.537		+/-22.2						

Notes:

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

The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

GEL LABORATORIES LLC

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

QC Summary

Workorder: **401655**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab F2

Laboratory Analytical Reports – Accelerated Monitoring

September 2016

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Ground Water 2016
Lab Sample ID: 1609325-001
Client Sample ID: MW-11_09142016
Collection Date: 9/14/2016 1245h
Received Date: 9/16/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	9/19/2016 1106h	9/20/2016 1234h	E200.8	0.0100	**0.169**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Ground Water 2016
Lab Sample ID: 1609325-002
Client Sample ID: MW-25_09132016
Collection Date: 9/13/2016 1435h
Received Date: 9/16/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	9/19/2016 1106h	9/20/2016 1243h	E200.8	0.000500	**0.00141**	
Uranium	mg/L	9/19/2016 1106h	9/20/2016 1324h	E200.8	0.000300	**0.00648**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Ground Water 2016
Lab Sample ID: 1609325-002
Client Sample ID: MW-25_09132016
Collection Date: 9/13/2016 1435h
Received Date: 9/16/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/26/2016 2146h	E300.0	10.0	**32.0**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Ground Water 2016
Lab Sample ID: 1609325-003
Client Sample ID: MW-26_09152016
Collection Date: 9/15/2016 815h
Received Date: 9/16/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	9/19/2016 1106h	9/20/2016 1327h	E200.8	0.000300	**0.0317**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Ground Water 2016
Lab Sample ID: 1609325-003
Client Sample ID: MW-26_09152016
Collection Date: 9/15/2016 815h
Received Date: 9/16/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/26/2016 2203h	E300.0	10.0	**75.6**	
Nitrate/Nitrite (as N)	mg/L		9/16/2016 1802h	E353.2	0.100	**1.67**	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

ORGANIC ANALYTICAL REPORT

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Ground Water 2016
Lab Sample ID: 1609325-003D
Client Sample ID: MW-26_09152016
Collection Date: 9/15/2016 815h
Received Date: 9/16/2016 1030h

Test Code: 8260-W-DEN100

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

Analyzed: 9/16/2016 1502h
Units: µg/L **Dilution Factor:** 100 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	100	**3,950**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	5,230	5,000	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	4,990	5,000	99.8	80-152	
Surr: Dibromofluoromethane	1868-53-7	5,030	5,000	101	80-124	
Surr: Toluene-d8	2037-26-5	4,950	5,000	98.9	77-129	

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

Analyzed: 9/16/2016 1413h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Methylene chloride	75-09-2	1.00	**11.9**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.0	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.1	50.00	100	80-152	
Surr: Dibromofluoromethane	1868-53-7	50.4	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	49.5	50.00	99.0	77-129	

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: September Ground Water 2016
Lab Sample ID: 1609325-004
Client Sample ID: MW-30_09142016
Collection Date: 9/14/2016 1130h
Received Date: 9/16/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	9/19/2016 1106h	9/20/2016 1247h	E200.8	0.00500	**0.0430**	
Uranium	mg/L	9/19/2016 1106h	9/20/2016 1330h	E200.8	0.000300	**0.00822**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Ground Water 2016
Lab Sample ID: 1609325-004
Client Sample ID: MW-30_09142016
Collection Date: 9/14/2016 1130h
Received Date: 9/16/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/26/2016 2219h	E300.0	100	**146**	
Fluoride	mg/L		9/28/2016 1431h	E300.0	0.100	**0.368**	
Nitrate/Nitrite (as N)	mg/L		9/16/2016 1806h	E353.2	0.100	**17.0**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Ground Water 2016
Lab Sample ID: 1609325-005
Client Sample ID: MW-31_09132016
Collection Date: 9/13/2016 1450h
Received Date: 9/16/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	9/19/2016 1106h	9/20/2016 1250h	E200.8	0.00500	**0.0855**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Ground Water 2016
Lab Sample ID: 1609325-005
Client Sample ID: MW-31_09132016
Collection Date: 9/13/2016 1450h
Received Date: 9/16/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/26/2016 2005h	E300.0	100	**254**	
Nitrate/Nitrite (as N)	mg/L		9/16/2016 1814h	E353.2	0.100	**18.6**	
Sulfate	mg/L		9/26/2016 2005h	E300.0	100	**703**	
Total Dissolved Solids	mg/L		9/16/2016 1146h	SM2540C	20.0	**1,570**	@

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Ground Water 2016
Lab Sample ID: 1609325-006
Client Sample ID: MW-35_09132016
Collection Date: 9/13/2016 945h
Received Date: 9/16/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	9/19/2016 1106h	9/20/2016 1253h	E200.8	0.0100	**0.198**	
Selenium	mg/L	9/19/2016 1106h	9/20/2016 1253h	E200.8	0.00500	**0.0185**	
Thallium	mg/L	9/19/2016 1106h	9/20/2016 1318h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	9/19/2016 1106h	9/20/2016 1333h	E200.8	0.000300	**0.0220**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: October 14, 2016

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

Client Sample ID:	MW-35_09132016	Project:	DNMI00100
Sample ID:	406063001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	13-SEP-16 09:45		
Receive Date:	16-SEP-16		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	PF	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting													
GFPC, Total Alpha Radium, Liquid "As Received"													
Gross Radium Alpha		3.68	+/-0.277	0.600	1.00	pCi/L			AXM6	10/13/16	1932	1603862	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

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

Notes:

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

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

Column headers are defined as follows:

DF: Dilution Factor	Lc/LC: Critical Level
DL: Detection Limit	PF: Prep Factor
MDA: Minimum Detectable Activity	RL: Reporting Limit
MDC: Minimum Detectable Concentration	SQL: Sample Quantitation Limit

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Ground Water 2016
Lab Sample ID: 1609325-007
Client Sample ID: MW-65_09142016
Collection Date: 9/14/2016 1130h
Received Date: 9/16/2016 1030h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	9/19/2016 1106h	9/20/2016 1256h	E200.8	0.00500	**0.0426**	
Uranium	mg/L	9/19/2016 1106h	9/20/2016 1337h	E200.8	0.000300	**0.00802**	

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Ground Water 2016
Lab Sample ID: 1609325-007
Client Sample ID: MW-65_09142016
Collection Date: 9/14/2016 1130h
Received Date: 9/16/2016 1030h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		9/26/2016 2112h	E300.0	100	**144**	
Fluoride	mg/L		9/26/2016 2055h	E300.0	0.100	**0.340**	
Nitrate/Nitrite (as N)	mg/L		9/16/2016 1815h	E353.2	0.100	**16.9**	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Ground Water 2016
Lab Sample ID: 1609325-008A
Client Sample ID: Trip Blank
Collection Date: 9/15/2016
Received Date: 9/16/2016 1030h

Test Code: 8260-W-DEN100

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

Analyzed: 9/16/2016 1353h
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	52.5	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.5	50.00	103	80-152	
Surr: Dibromofluoromethane	1868-53-7	49.6	50.00	99.2	80-124	
Surr: Toluene-d8	2037-26-5	49.8	50.00	99.6	77-129	

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

RE: September Ground Water 2016

Dear Garrin Palmer: Lab Set ID: 1609325

American West Analytical Laboratories received sample(s) on 9/16/2016 for the analyses presented in the following report.

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Accreditation Program (NELAP) in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, Wyoming, and Missouri.

All analyses were performed in accordance to the NELAP protocols unless noted otherwise. Accreditation scope documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Kyle F. Gross — Digitally signed by Kyle F. Gross Date: 2016.10.03 14:02:07 -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

Inorganic Case Narrative

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	September Ground Water 2016
Lab Set ID:	1609325

Sample Receipt Information:

Date of Receipt:	9/16/2016
Date of Collection:	9/13-9/15/2016
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation for the samples were performed within the method holding times. The samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, DUP:

Method Blanks (MB): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Samples (LCS): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicates (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Duplicate (DUP): The parameters that required a duplicate analysis had RPDs within the control limits, with the following exception: the RPD for Total Dissolved Solids on sample 1609325-005D was outside of the control limits due to suspected sample non-homogeneity or matrix interference.

Corrective Action: None required.

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

Volatile Case Narrative

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	September Ground Water 2016
Lab Set ID:	1609325

Sample Receipt Information:

Date of Receipt:	9/16/2016
Date of Collection:	9/13-9/15/2016
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Two target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: September Ground Water 2016
Lab Set ID: 1609325
Date Received: 9/16/2016 1030h

3440 South 700 West
Salt Lake City, UT 84119

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1609325-001A	MW-11_09142016	9/14/2016	1245h	Aqueous	ICPMS Metals, Dissolved
1609325-002A	MW-25_09132016	9/13/2016	1435h	Aqueous	ICPMS Metals, Dissolved
1609325-002B	MW-25_09132016	9/13/2016	1435h	Aqueous	Anions, E300.0
1609325-003A	MW-26_09152016	9/15/2016	815h	Aqueous	ICPMS Metals, Dissolved
1609325-003B	MW-26_09152016	9/15/2016	815h	Aqueous	Anions, E300.0
1609325-003C	MW-26_09152016	9/15/2016	815h	Aqueous	Nitrite/Nitrate (as N), E353.2
1609325-003D	MW-26_09152016	9/15/2016	815h	Aqueous	VOA by GC/MS Method 8260C/5030C
1609325-004A	MW-30_09142016	9/14/2016	1130h	Aqueous	ICPMS Metals, Dissolved
1609325-004B	MW-30_09142016	9/14/2016	1130h	Aqueous	Anions, E300.0
1609325-004C	MW-30_09142016	9/14/2016	1130h	Aqueous	Nitrite/Nitrate (as N), E353.2
1609325-005A	MW-31_09132016	9/13/2016	1450h	Aqueous	ICPMS Metals, Dissolved
1609325-005B	MW-31_09132016	9/13/2016	1450h	Aqueous	Anions, E300.0
1609325-005C	MW-31_09132016	9/13/2016	1450h	Aqueous	Nitrite/Nitrate (as N), E353.2
1609325-005D	MW-31_09132016	9/13/2016	1450h	Aqueous	Total Dissolved Solids, A2540C
1609325-006A	MW-35_09132016	9/13/2016	945h	Aqueous	ICPMS Metals, Dissolved
1609325-007A	MW-65_09142016	9/14/2016	1130h	Aqueous	ICPMS Metals, Dissolved
1609325-007B	MW-65_09142016	9/14/2016	1130h	Aqueous	Anions, E300.0
1609325-007C	MW-65_09142016	9/14/2016	1130h	Aqueous	Nitrite/Nitrate (as N), E353.2
1609325-008A	Trip Blank	9/15/2016		Aqueous	VOA by GC/MS Method 8260C/5030C

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609325
Project: September 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-45065**	Date Analyzed:	09/20/2016 1231h											
Test Code:	200.8-DIS	Date Prepared:	09/19/2016 1106h											
Cadmium		0.204	mg/L	E200.8	0.0000666	0.000500	0.2000	0	102	85 - 115				
Manganese		0.202	mg/L	E200.8	0.000560	0.00200	0.2000	0	101	85 - 115				
Selenium		0.207	mg/L	E200.8	0.000310	0.00200	0.2000	0	104	85 - 115				
Thallium		0.206	mg/L	E200.8	0.0000500	0.00200	0.2000	0	103	85 - 115				
Uranium		0.209	mg/L	E200.8	0.0000710	0.00200	0.2000	0	105	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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609325
Project: September 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-45065**	Date Analyzed:	09/20/2016 1228h											
Test Code:	200.8-DIS	Date Prepared:	09/19/2016 1106h											
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-45065**	Date Analyzed:	09/20/2016 1315h											
Test Code:	200.8-DIS	Date Prepared:	09/19/2016 1106h											
Thallium		< 0.000500	mg/L	E200.8	0.0000125	0.000500								
Lab Sample ID:	**MB-45065**	Date Analyzed:	09/20/2016 1321h											
Test Code:	200.8-DIS	Date Prepared:	09/19/2016 1106h											
Uranium		< 0.000200	mg/L	E200.8	0.00000710	0.000200								

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609325
Project: September 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: 1609325-001AMS	Date Analyzed:	09/20/2016 1237h											
Test Code: 200.8-DIS	Date Prepared:	09/19/2016 1106h											
Cadmium	0.204	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000513	102	75 - 125				
Manganese	0.368	mg/L	E200.8	0.000560	0.00200	0.2000	0.169	99.7	75 - 125				
Selenium	0.204	mg/L	E200.8	0.000310	0.00200	0.2000	0	102	75 - 125				
Thallium	0.197	mg/L	E200.8	0.0000500	0.00200	0.2000	0	98.6	75 - 125				
Uranium	0.206	mg/L	E200.8	0.0000710	0.00200	0.2000	0.000862	103	75 - 125				

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609325
Project: September 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: 1609325-001AMSD	Date Analyzed:	09/20/2016 1240h											
Test Code: 200.8-DIS	Date Prepared:	09/19/2016 1106h											
Cadmium	0.202	mg/L	E200.8	0.0000666	0.000500	0.2000	0.0000513	101	75 - 125	0.204	0.608	20	
Manganese	0.370	mg/L	E200.8	0.000560	0.00200	0.2000	0.169	101	75 - 125	0.368	0.539	20	
Selenium	0.200	mg/L	E200.8	0.000310	0.00200	0.2000	0	99.9	75 - 125	0.204	2.15	20	
Thallium	0.196	mg/L	E200.8	0.0000500	0.00200	0.2000	0	97.9	75 - 125	0.197	0.736	20	
Uranium	0.203	mg/L	E200.8	0.0000710	0.00200	0.2000	0.000862	101	75 - 125	0.206	1.41	20	

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609325
Project: September 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: 1609325-005DDUP Date Analyzed: 09/16/2016 1146h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	1,660	mg/L	SM2540C	17.5	20.0					1570	5.69	5	@

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

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609325
Project: September 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-R94275 Date Analyzed: 09/26/2016 1552h													
Test Code: 300.0-W													
Chloride	5.04	mg/L	E300.0	0.00516	0.100	5.000	0	101	90 - 110				
Fluoride	4.99	mg/L	E300.0	0.0139	0.100	5.000	0	99.8	90 - 110				
Sulfate	4.90	mg/L	E300.0	0.0201	0.750	5.000	0	97.9	90 - 110				
Lab Sample ID: LCS-R94383 Date Analyzed: 09/28/2016 1414h													
Test Code: 300.0-W													
Fluoride	5.05	mg/L	E300.0	0.0139	0.100	5.000	0	101	90 - 110				
Lab Sample ID: LCS-R94011 Date Analyzed: 09/16/2016 1757h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.01	mg/L	E353.2	0.00833	0.0100	1.000	0	101	90 - 110				
Lab Sample ID: LCS-R94029 Date Analyzed: 09/16/2016 1146h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	188	mg/L	SM2540C	8.77	10.0	205.0	0	91.7	80 - 120				

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609325
Project: September 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-R94275	Date Analyzed:	09/26/2016 1535h											
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-R94383	Date Analyzed:	09/28/2016 1357h											
Test Code: 300.0-W													
Fluoride	< 0.100	mg/L	E300.0	0.0139	0.100								
Lab Sample ID: MB-R94011	Date Analyzed:	09/16/2016 1755h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00833	0.0100								
Lab Sample ID: MB-R94029	Date Analyzed:	09/16/2016 1146h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	8.77	10.0								

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

American West
ANALYTICAL LABORATORIES

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609325
Project: September 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: 1609325-005BMS	Date Analyzed:	09/26/2016 2021h											
Test Code: 300.0-W													
Chloride	1,310	mg/L	E300.0	1.03	20.0	1,000	254	106	90 - 110				
Fluoride	1,030	mg/L	E300.0	2.78	20.0	1,000	6.9	103	90 - 110				
Sulfate	1,700	mg/L	E300.0	4.02	150	1,000	703	99.6	90 - 110				
Lab Sample ID: 1609325-004BMS	Date Analyzed:	09/28/2016 1447h											
Test Code: 300.0-W													
Fluoride	26.1	mg/L	E300.0	0.0695	0.500	25.00	0.368	103	90 - 110				
Lab Sample ID: 1609477-002BMS	Date Analyzed:	09/28/2016 2041h											
Test Code: 300.0-W													
Fluoride	10,300	mg/L	E300.0	27.8	200	10,000	0	103	90 - 110				
Lab Sample ID: 1609325-003CMS	Date Analyzed:	09/16/2016 1803h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.3	mg/L	E353.2	0.0833	0.100	10.00	1.67	96.7	90 - 110				

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609325
Project: September 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: 1609325-005BMSD	Date Analyzed:	09/26/2016 2038h											
Test Code: 300.0-W													
Chloride	1,280	mg/L	E300.0	1.03	20.0	1,000	254	103	90 - 110	1310	2.29	20	
Fluoride	1,030	mg/L	E300.0	2.78	20.0	1,000	6.9	102	90 - 110	1030	0.540	20	
Sulfate	1,690	mg/L	E300.0	4.02	150	1,000	703	98.4	90 - 110	1700	0.705	20	
Lab Sample ID: 1609325-004BMSD	Date Analyzed:	09/28/2016 1504h											
Test Code: 300.0-W													
Fluoride	26.1	mg/L	E300.0	0.0695	0.500	25.00	0.368	103	90 - 110	26.1	0.191	20	
Lab Sample ID: 1609477-002BMSD	Date Analyzed:	09/28/2016 2058h											
Test Code: 300.0-W													
Fluoride	10,300	mg/L	E300.0	27.8	200	10,000	0	103	90 - 110	10300	0.0386	20	
Lab Sample ID: 1609325-003CMSD	Date Analyzed:	09/16/2016 1804h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	11.4	mg/L	E353.2	0.0833	0.100	10.00	1.67	97.1	90 - 110	11.3	0.352	10	

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609325
Project: September 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 091616A	Date Analyzed:	09/16/2016 1056h											
Test Code: 8260-W-DEN100													
Chloroform	21.2	µg/L	SW8260C	0.153	1.00	20.00	0	106	85 - 124				
Methylene chloride	20.0	µg/L	SW8260C	0.172	1.00	20.00	0	99.8	71 - 135				
Surr: 1,2-Dichloroethane-d4	52.8	µg/L	SW8260C			50.00		106	80 - 122				
Surr: 4-Bromofluorobenzene	51.0	µg/L	SW8260C			50.00		102	85 - 121				
Surr: Dibromofluoromethane	51.8	µg/L	SW8260C			50.00		104	80 - 116				
Surr: Toluene-d8	51.2	µg/L	SW8260C			50.00		102	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 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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609325
Project: September 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 091616A	Date Analyzed:	09/16/2016 1136h											
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	51.9	µg/L	SW8260C			50.00		104	80 - 122				
Surr: 4-Bromofluorobenzene	52.3	µg/L	SW8260C			50.00		105	85 - 121				
Surr: Dibromofluoromethane	49.9	µg/L	SW8260C			50.00		99.8	80 - 116				
Surr: Toluene-d8	51.0	µg/L	SW8260C			50.00		102	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 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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609325
Project: September 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: 1609325-003DMS	Date Analyzed:	09/16/2016 1522h											
Test Code: 8260-W-DEN100													
Chloroform	5,880	µg/L	SW8260C	15.3	100	2,000	3950	96.4	50 - 146				
Methylene chloride	2,110	µg/L	SW8260C	17.2	100	2,000	0	105	30 - 192				
Surr: 1,2-Dichloroethane-d4	5,270	µg/L	SW8260C			5,000		105	72 - 151				
Surr: 4-Bromofluorobenzene	4,830	µg/L	SW8260C			5,000		96.5	80 - 152				
Surr: Dibromofluoromethane	4,960	µg/L	SW8260C			5,000		99.3	80 - 124				
Surr: Toluene-d8	4,760	µg/L	SW8260C			5,000		95.1	77 - 129				

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

3440 South 700 West
Salt Lake City, UT 84119
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1609325
Project: September 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: 1609325-003DMSD	Date Analyzed:	09/16/2016 1542h											
Test Code: 8260-W-DEN100													
Chloroform	5,960	µg/L	SW8260C	15.3	100	2,000	3950	101	50 - 146	5880	1.44	25	
Methylene chloride	1,670	µg/L	SW8260C	17.2	100	2,000	0	83.4	30 - 192	2110	23.4	25	
Surr: 1,2-Dichloroethane-d4	5,280	µg/L	SW8260C			5,000		106	72 - 151				
Surr: 4-Bromofluorobenzene	4,930	µg/L	SW8260C			5,000		98.7	80 - 152				
Surr: Dibromofluoromethane	4,940	µg/L	SW8260C			5,000		98.7	80 - 124				
Surr: Toluene-d8	4,750	µg/L	SW8260C			5,000		95.0	77 - 129				

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

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1609325**

Client: Energy Fuels Resources, Inc.

Due Date: 9/30/2016

Client ID: DEN100

Contact: Garrin Palmer

Project: **September Ground Water 2016**

QC Level: III

WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Alkalinity must be run at full volume, use ALK-W-2320B-LL test code. Groundwater project specific DL's: Run NO2/NO3 as a 10X. Assumes dilution of 2 for U, 5 for Be, Fe, Pb, and Tl, and 20X for others for required 200.8 PQLs. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1609325-001A	**MW-11_09142016**	9/14/2016 1245h	9/16/2016 1030h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: MN				
				200.8-DIS-PR			DF-Dis Metals	
1609325-002A	**MW-25_09132016**	9/13/2016 1435h	9/16/2016 1030h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				2 SEL Analytes: CD U				
				200.8-DIS-PR			DF-Dis Metals	
1609325-002B				**300.0-W**			DF-WC	
				1 SEL Analytes: CL				
1609325-003A	**MW-26_09152016**	9/15/2016 0815h	9/16/2016 1030h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: U				
				200.8-DIS-PR			DF-Dis Metals	
1609325-003B				**300.0-W**			DF-WC	
				1 SEL Analytes: CL				
1609325-003C				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1609325-003D				**8260-W-DEN100**			VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				
1609325-004A	**MW-30_09142016**	9/14/2016 1130h	9/16/2016 1030h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR			DF-Dis Metals	
1609325-004B				**300.0-W**			DF-WC	
				2 SEL Analytes: CL F				
1609325-004C				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1609325-005A	**MW-31_09132016**	9/13/2016 1450h	9/16/2016 1030h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				1 SEL Analytes: SE				
				200.8-DIS-PR			DF-Dis Metals	
1609325-005B				**300.0-W**			DF-WC	
				2 SEL Analytes: CL SO4				

Printed: 9/16/2016 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1609325**

Client: Energy Fuels Resources, Inc.

Due Date: 9/30/2016

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1609325-005C	**MW-31_09132016**	9/13/2016 1450h	9/16/2016 1030h	**NO2/NO3-W-353.2**	Aqueous		DF-NO2/NO3	1
				1 SEL Analytes: NO3NO2N				
1609325-005D				**TDS-W-2540C**			DF-tds	
				1 SEL Analytes: TDS				
1609325-006A	**MW-35_09132016**	9/13/2016 0945h	9/16/2016 1030h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				4 SEL Analytes: MN SE TL U				
				200.8-DIS-PR			DF-Dis Metals	
1609325-007A	**MW-65_09142016**	9/14/2016 1130h	9/16/2016 1030h	**200.8-DIS**	Aqueous		DF-Dis Metals	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR			DF-Dis Metals	
1609325-007B				**300.0-W**			DF-WC	
				2 SEL Analytes: CL F				
1609325-007C				**NO2/NO3-W-353.2**			DF-NO2/NO3	
				1 SEL Analytes: NO3NO2N				
1609325-008A	**Trip Blank**	9/15/2016	9/16/2016 1030h	**8260-W-DEN100**	Aqueous		VOCFridge	3
				Test Group: 8260-W-DEN100; # of Analytes: 2 / # of Surr: 4				

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_____ HOK_____ HOK_____ COC Emailed_____

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

1609325
AWAL Lab Sample Set #
Page 1 of 1

QC Level:	Turn Around Time:	Due Date:
3	Standard	

Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Garrin Palmer
Phone #: (435) 678-2221 Cell #:
Email: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name: September Ground Water 2016
Project #:
PO #:
Sampler Name: Tanner Holliday

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Dissolved Manganese (200.7/200.8)	Cl (4500 or 300.0)	TDS (2540C)	Dissolved Uranium (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Dissolved Selenium (200.7/200.8)	Dissolved Thallium (200.7/200.8)	Fluoride (A4500-F C or 300.0)	SO_4 (4500 or 300.0)	VOCs Chloroform, Dichloromethane, (8260C)	Known Hazards & Sample Comments
1	MW-11_09142016	9/14/2016	1245	1	W		X										
2	MW-25_09132016	9/13/2016	1435	2	W			X		X	X						
3	MW-26_09152016	9/15/2016	815	6	W	X		X		X						X	
4	MW-30_09142016	9/14/2016	1130	3	W	X		X		X		X		X			
5	MW-31_09132016	9/13/2016	1450	4	W	X		X	X			X			X		
6	MW-35_09132016	9/13/2016	945	1	W		X			X		X	X				
7	MW-65_09142016	9/14/2016	1130	3	W	X		X		X		X		X			
8	TRIP BLANK	9/15/2016		3	W											X	
10	TEMP BLANK	9/15/2016		1	W												
11																	
12																	

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered el 9-16-6
2 Ambient or Chilled
3 Temperature 2.6 °C
4 Received Broken/Leaking (Improperly Sealed) Y (N)
5 Properly Preserved (Y) N
Checked at bench Y N
6 Received Within Holding Times (Y) N

1 Present on Outer Package (Y) N NA
2 Unbroken on Outer Package (Y) N NA
3 Present on Sample Y N (NA)
4 Unbroken on Sample Y N (NA)

Discrepancies Between Sample Labels and COC Record? Y (N)

Relinquished by:	Date:	Received by:	Date:
Signature: Tanner Holliday	9/15/2016	Signature:	
Print Name: TANNER HOLLIDAY	Time: 1230	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Elena Hay	Date: 9-16-16
Print Name:	Time:	Print Name: Elena Hay	Time: 1430
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: 1609325

pH Lot 5603

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7											
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes	Yes	Yes	Yes	Yes	Yes											
NO_2 & NO_3	pH <2 H_2SO_4			Yes	Yes	Yes		Yes											
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:

1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved.

▲ The sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix.

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference.

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171
F 843.766.1178

gel.com

October 14, 2016

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 406063

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on September 16, 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: 406063

October 14, 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 September 16, 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
406063001	MW-35_09132016

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

406063

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
September Monthly GW 2016	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-35_09132016	9/13/2016	945	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday Tanner Holliday	9/15/2016 1230	Zac	9.16.16 0850
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	SDG/AR/COC/Work Order: 406063
Received By: Zkw	Date Received: 9/16/16

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 21c
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): ES032015830
3	Chain of custody documents included with shipment?	✓			
4	Sample containers intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	✓			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	Do Low Level Perchlorate samples have headspace as required?		✓		Sample ID's and containers affected:
7	VOA vials contain acid preservation?		✓		(If unknown, select No)
8	VOA vials free of headspace (defined as < 6mm bubble)?		✓		Sample ID's and containers affected:
9	Are Encore containers present?			✓	(If yes, Immediately deliver to Volatiles laboratory)
10	Samples received within holding time?	✓			ID's and tests affected:
11	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
12	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
13	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
14	Are sample containers identifiable as GEL provided?	✓			
15	COC form is properly signed in relinquished/received sections?	✓			
16	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground (UPS) Field Services Courier Other 1Z 187 Y4Y 01 9853 1812

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials JR Date 9-16-16 Page 1 of 1

GL-CHL-SR-001 Rev 3

GEL Laboratories LLC - Login Review Report

GEL Work Order/SDG: 406063 September Monthly GW 2016
Client SDG: 406063
Project Manager: Julie Robinson
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 14-OCT-16
Package Due Date: 12-OCT-16
EDD Due Date: 14-OCT-16
Due Date: 14-OCT-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
406063001	MW-35_09132016		13-SEP-16 09:45	16-SEP-16 08:50	-2	1	GROUND WATER		20		1		

	Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001	MW-35_09132016	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	y	
							Temperature (C)	21	

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 #: 406063

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1603862

Sample ID	Client ID
406063001	MW-35_09132016
1203639990	Method Blank (MB)
1203639994	Laboratory Control Sample (LCS)
1203639991	406063001(MW-35_09132016) Sample Duplicate (DUP)
1203639992	406063001(MW-35_09132016) Matrix Spike (MS)
1203639993	406063001(MW-35_09132016) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-010 REV# 15.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

QC Information
All of the QC samples meet the required acceptance limits with the following exceptions: The sample and the duplicate, 1203639991 (MW-35_09132016DUP) and 406063001 (MW-35_09132016) , did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with a value of 2.08.

Designated QC
The following sample was used for QC: 406063001 (MW-35_09132016).

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Sample Re-prep/Re-analysis
None of the samples in this sample set required reprep or reanalysis.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Recounts
Sample 1203639992 (MW-35_09132016MS) was recounted due to low recovery. The recount is reported.

Miscellaneous Information:

Data Exception (DER) Documentation
Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Sample-Specific MDA/MDC
The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments
The matrix spike and matrix spike duplicate, 1203639992 (MW-35_09132016MS) and 1203639993 (MW-35_09132016MSD), 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: 406063 GEL Work Order: 406063

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria
** Analyte is a surrogate compound
U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Theresa L Austin **Name: Theresa Austin**

Date: 14 OCT 2016 **Title: Group Leader**

GEL LABORATORIES LLC

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

QC Summary

Report Date: October 14, 2016

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

Contact: **Ms. Kathy Weinel**

Workorder: **406063**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1603862										
QC1203639991 406063001 DUP										
Gross Radium Alpha		3.68		2.55	pCi/L	36.2*		(0%-20%)	AXM6	10/13/16 19:3
	Uncertainty	+/-0.277		+/-0.255						
QC1203639994 LCS										
Gross Radium Alpha	412			372	pCi/L		90.1	(75%-125%)		10/13/16 19:3
	Uncertainty			+/-6.44						
QC1203639990 MB										
Gross Radium Alpha			U	0.0443	pCi/L					10/13/16 19:3
	Uncertainty			+/-0.157						
QC1203639992 406063001 MS										
Gross Radium Alpha	1670	3.68		1280	pCi/L		76.4	(75%-125%)		10/14/16 07:2
	Uncertainty	+/-0.277		+/-21.8						
QC1203639993 406063001 MSD										
Gross Radium Alpha	1670	3.68		1420	pCi/L	9.96	84.4	(0%-20%)		10/13/16 19:3
	Uncertainty	+/-0.277		+/-25.2						

Notes:

Counting Uncertainty is calculated at the 68% confidence level (1-sigma).
The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

QC Summary

Workorder: **406063**

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	8/24/2016	181.63	185	Y	1961	1967	0.31	7.25	7.21	0.55	15.84	15.78	0.38	487	485	0.41	9.7	9.7	Y	0.00
MW-03	9/22/2016	19.12	60	Pumped dry	5700	5701	0.02	6.42	6.40	0.31	17.03	16.89	0.83	NM		NC	NM		N	NC
MW-03A	9/22/2016	66.17	80	Pumped dry	5884	5811	1.25	6.76	6.79	0.44	16.73	16.59	0.84	NM		NC	NM		N	NC
MW-05	8/19/2016	195.29	200	Y	2965	2941	0.81	7.30	7.29	0.14	15.31	15.28	0.20	456	456	0.00	8.1	8.2	Y	1.23
MW-11	8/16/2016	265.35	270	Y	2960	2957	0.10	7.12	7.17	0.70	15.53	15.48	0.32	500	498	0.40	6.1	6.2	Y	1.63
MW-12	8/19/2016	134.45	140	Y	4339	4343	0.09	6.87	6.84	0.44	16.09	16.03	0.37	484	485	0.21	7.7	7.8	Y	1.29
MW-14	8/17/2016	154.97	155	Y	4071	4063	0.20	6.73	6.71	0.30	15.59	15.63	0.26	458	459	0.22	7.1	7.2	Y	1.40
MW-15	8/18/2016	186.99	190	Y	4433	4430	0.07	6.73	6.71	0.30	15.51	15.47	0.26	398	399	0.25	0.0	0.0	N	0.00
MW-18	8/23/2016	371.93	375	Y	3208	3215	0.22	6.68	6.64	0.60	19.80	19.83	0.15	520	520	0.00	7.1	7.2	Y	1.40
MW-19	8/23/2016	522.09	530	Y	1426	1431	0.35	7.10	7.07	0.42	15.44	15.39	0.32	490	491	0.20	33.0	32.0	Y	3.08
MW-24	9/22/2016	49.31	60	Pumped dry	4445	4450	0.11	6.03	6.00	0.50	15.61	15.70	0.57	NM		NC	NM		N	NC
MW-25	8/17/2016	226.89	240	Y	3289	3260	0.89	6.58	6.57	0.15	15.41	15.37	0.26	420	420	0.00	9.7	9.8	Y	1.03
MW-26	8/18/2016	NA			3592		NC	6.65		NC	15.81		NC	494		NC	8.0		N	NC
MW-27	8/24/2016	243.20	245	Y	1470	1458	0.82	7.39	7.36	0.41	15.70	15.69	0.06	453	456	0.66	10.9	10.9	Y	0.00
MW-28	9/1/2016	209.38	210	Y	4168	4160	0.19	6.61	6.56	0.76	15.40	15.38	0.13	471	480	1.89	12.4	12.5	Y	0.80
MW-29	9/1/2016	159.24	160	Y	4078	4039	0.96	6.80	6.78	0.29	18.75	18.77	0.11	505	500	1.00	15.8	15.8	Y	0.00
MW-30	8/18/2016	209.02	210	Y	2142	2140	0.09	6.86	6.86	0.00	15.09	15.11	0.13	374	375	0.27	8.0	8.1	Y	1.24
MW-31	8/16/2016	370.43	375	Y	2470	2467	0.12	6.92	6.92	0.00	15.48	15.49	0.06	499	498	0.20	9.6	9.7	Y	1.04
MW-32	8/17/2016	329.74	330	Y	3921	3920	0.03	6.30	6.29	0.16	15.27	15.16	0.72	483	475	1.67	13.0	13.0	Y	0.00
MW-35	8/16/2016	73.42	90	Y	2589	2572	0.66	6.67	6.65	0.30	16.43	16.40	0.18	507	508	0.20	9.8	9.9	Y	1.02
MW-36	8/17/2016	67.10	70	Y	1480	1469	0.75	6.73	6.75	0.30	15.03	15.00	0.20	512	513	0.20	8.7	8.7	Y	0.00
MW-37	9/1/2016	NA	NA	Bailed dry	4402	4448	1.04	6.30	6.37	1.10	15.05	15.09	0.27	NM		NC	NM		N	NC

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements less than 5 NTU are included for information purposes only.

MW-26 is a continuously pumped well.

Well was purged dry.

N/A = The amount of water in the well was insufficient to purge. The pump was not able to operate due to the minimal amount of water. The well was purged and sampled with a bailer.

NM = Not Measured. The QAP does not require the measurement of redox potential or turbidity in wells that were purged to dryness.

NC = Not calculated.

Well was purged dry after 2 casing volumes were removed.

G-1B: Acelerated Field Data QA/QC Evaluation

Well	Sample Date	Time Req'd for 2 Casings	Time Pumped (min)	Amount Sufficient?	Specific Conductance		RPD(%)	pH		RPD(%)	Temp (°C)		RPD(%)	Redox Potential (Eh)		RPD(%)	Turbidity (NTU)		<5 (NTU)	RPD(%)
Accelerated July Monthly																				
MW-11	7/13/2016	265.65	270	Y	2890	2894	0.14	6.86	6.92	0.87	15.35	15.39	0.26	463	453	2.18	10	11	N	9.52
MW-14	7/13/2016	155.03	160	Y	3875	3859	0.41	6.20	6.20	0.00	16.00	16.01	0.06	502	501	0.20	5.1	5.1	N	0.00
MW-25	7/12/2016	228.70	240	Y	3143	3142	0.03	6.21	6.23	0.32	15.22	15.25	0.20	548	548	0.00	21	21	N	0.00
MW-26	7/14/2016	NA			3318		NC	6.20		NC	16.15		NC	505		NC	6.1		N	NC
MW-30	7/13/2016	209.26	210	Y	2071	2060	0.53	6.20	6.23	0.48	15.20	15.17	0.20	530	528	0.38	2.7	2.8	Y	3.64
MW-31	7/12/2016	371.51	375	Y	2352	2334	0.77	6.45	6.49	0.62	16.03	16.00	0.19	493	492	0.20	9.1	9.1	N	0.00
MW-35	7/12/2016	74.20	80	Y	4076	4090	0.34	6.27	6.28	0.16	15.36	15.38	0.13	522	521	0.19	5.1	5.1	N	0.00
Accelerated September Monthly																				
MW-11	9/14/2016	265.71	270	Y	2921	2928	0.24	7.13	7.13	0.00	15.54	15.50	0.26	489	487	0.41	8.6	8.6	N	0.00
MW-14	9/14/2016	155.87	160	Y	3905	3928	0.59	6.45	6.43	0.31	15.38	15.35	0.20	506	507	0.20	8.3	8.3	N	0.00
MW-25	9/13/2016	227.37	240	Y	3119	3147	0.89	6.19	6.21	0.32	15.60	15.54	0.39	532	531	0.19	14	14	N	0.00
MW-26	9/15/2016	NA			3410		NC	6.40			14.94			504			5.7		N	NC
MW-30	9/14/2016	209.44	210	Y	2060	2058	0.10	6.62	6.60	0.30	15.31	15.3	0.07	519	518	0.19	6.5	6.6	N	0.00
MW-31	9/13/2016	371.27	390	Y	2210	2239	1.30	6.33	6.35	0.32	18.93	18.83	0.53	498	495	0.60	8.3	8.4	N	0.00
MW-35	9/13/2016	74.02	75	Y	4118	4126	0.19	6.20	6.21	0.16	15.06	15.04	0.13	540	540	0.00	6.2	6	N	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	8/16/2016	8/22/2016	6	14	OK
Trip Blank	Acetone	8/16/2016	8/22/2016	6	14	OK
Trip Blank	Benzene	8/16/2016	8/22/2016	6	14	OK
Trip Blank	Carbon tetrachloride	8/16/2016	8/22/2016	6	14	OK
Trip Blank	Chloroform	8/16/2016	8/22/2016	6	14	OK
Trip Blank	Chloromethane	8/16/2016	8/22/2016	6	14	OK
Trip Blank	Methylene chloride	8/16/2016	8/22/2016	6	14	OK
Trip Blank	Naphthalene	8/16/2016	8/22/2016	6	14	OK
Trip Blank	Tetrahydrofuran	8/16/2016	8/22/2016	6	14	OK
Trip Blank	Toluene	8/16/2016	8/22/2016	6	14	OK
Trip Blank	Xylenes, Total	8/16/2016	8/22/2016	6	14	OK
Trip Blank	2-Butanone	9/21/2016	9/23/2016	2	14	OK
Trip Blank	Acetone	9/21/2016	9/23/2016	2	14	OK
Trip Blank	Benzene	9/21/2016	9/23/2016	2	14	OK
Trip Blank	Carbon tetrachloride	9/21/2016	9/23/2016	2	14	OK
Trip Blank	Chloroform	9/21/2016	9/23/2016	2	14	OK
Trip Blank	Chloromethane	9/21/2016	9/23/2016	2	14	OK
Trip Blank	Methylene chloride	9/21/2016	9/23/2016	2	14	OK
Trip Blank	Naphthalene	9/21/2016	9/23/2016	2	14	OK
Trip Blank	Tetrahydrofuran	9/21/2016	9/23/2016	2	14	OK
Trip Blank	Toluene	9/21/2016	9/23/2016	2	14	OK
Trip Blank	Xylenes, Total	9/21/2016	9/23/2016	2	14	OK
MW-01	Chloride	8/24/2016	9/2/2016	9	28	OK
MW-01	Sulfate	8/24/2016	9/2/2016	9	28	OK
MW-03	2-Butanone	9/22/2016	9/23/2016	1	14	OK
MW-03	Acetone	9/22/2016	9/23/2016	1	14	OK
MW-03	Ammonia (as N)	9/22/2016	9/26/2016	4	28	OK
MW-03	Arsenic	9/22/2016	9/26/2016	4	180	OK
MW-03	Benzene	9/22/2016	9/23/2016	1	14	OK
MW-03	Beryllium	9/22/2016	9/26/2016	4	180	OK
MW-03	Bicarbonate (as CaCO3)	9/22/2016	9/26/2016	4	14	OK
MW-03	Cadmium	9/22/2016	9/26/2016	4	180	OK
MW-03	Calcium	9/22/2016	9/30/2016	8	180	OK
MW-03	Carbon tetrachloride	9/22/2016	9/23/2016	1	14	OK
MW-03	Carbonate (as CaCO3)	9/22/2016	9/26/2016	4	14	OK
MW-03	Chloride	9/22/2016	9/28/2016	6	28	OK
MW-03	Chloroform	9/22/2016	9/23/2016	1	14	OK
MW-03	Chloromethane	9/22/2016	9/23/2016	1	14	OK
MW-03	Chromium	9/22/2016	9/26/2016	4	180	OK
MW-03	Cobalt	9/22/2016	9/26/2016	4	180	OK
MW-03	Copper	9/22/2016	9/26/2016	4	180	OK
MW-03	Fluoride	9/22/2016	9/28/2016	6	28	OK
MW-03	Gross Radium Alpha	9/22/2016	10/13/2016	21	180	OK
MW-03	Iron	9/22/2016	9/26/2016	4	180	OK
MW-03	Lead	9/22/2016	9/26/2016	4	180	OK
MW-03	Magnesium	9/22/2016	9/30/2016	8	180	OK
MW-03	Manganese	9/22/2016	9/26/2016	4	180	OK
MW-03	Mercury	9/22/2016	10/4/2016	12	180	OK
MW-03	Methylene chloride	9/22/2016	9/23/2016	1	14	OK
MW-03	Molybdenum	9/22/2016	9/26/2016	4	180	OK
MW-03	Naphthalene	9/22/2016	9/23/2016	1	14	OK
MW-03	Nickel	9/22/2016	9/26/2016	4	180	OK
MW-03	Nitrate/Nitrite (as N)	9/22/2016	9/23/2016	1	28	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-03	Potassium	9/22/2016	9/30/2016	8	180	OK
MW-03	Selenium	9/22/2016	9/26/2016	4	180	OK
MW-03	Silver	9/22/2016	9/26/2016	4	180	OK
MW-03	Sodium	9/22/2016	9/30/2016	8	180	OK
MW-03	Sulfate	9/22/2016	9/28/2016	6	28	OK
MW-03	Tetrahydrofuran	9/22/2016	9/23/2016	1	14	OK
MW-03	Thallium	9/22/2016	9/26/2016	4	180	OK
MW-03	Tin	9/22/2016	9/26/2016	4	180	OK
MW-03	Toluene	9/22/2016	9/23/2016	1	14	OK
MW-03	Total Dissolved Solids	9/22/2016	9/23/2016	1	7	OK
MW-03	Uranium	9/22/2016	9/26/2016	4	180	OK
MW-03	Vanadium	9/22/2016	9/30/2016	8	180	OK
MW-03	Xylenes, Total	9/22/2016	9/23/2016	1	14	OK
MW-03	Zinc	9/22/2016	9/26/2016	4	180	OK
MW-03a	Selenium	9/22/2016	9/26/2016	4	180	OK
MW-03a	Sulfate	9/22/2016	9/28/2016	6	28	OK
MW-05	Uranium	8/19/2016	8/26/2016	7	180	OK
MW-11	2-Butanone	8/16/2016	8/20/2016	4	14	OK
MW-11	Acetone	8/16/2016	8/20/2016	4	14	OK
MW-11	Ammonia (as N)	8/16/2016	8/23/2016	7	28	OK
MW-11	Arsenic	8/16/2016	8/23/2016	7	180	OK
MW-11	Benzene	8/16/2016	8/20/2016	4	14	OK
MW-11	Beryllium	8/16/2016	8/23/2016	7	180	OK
MW-11	Bicarbonate (as CaCO3)	8/16/2016	8/22/2016	6	14	OK
MW-11	Cadmium	8/16/2016	8/23/2016	7	180	OK
MW-11	Calcium	8/16/2016	8/30/2016	14	180	OK
MW-11	Carbon tetrachloride	8/16/2016	8/20/2016	4	14	OK
MW-11	Carbonate (as CaCO3)	8/16/2016	8/22/2016	6	14	OK
MW-11	Chloride	8/16/2016	8/22/2016	6	28	OK
MW-11	Chloroform	8/16/2016	8/20/2016	4	14	OK
MW-11	Chloromethane	8/16/2016	8/20/2016	4	14	OK
MW-11	Chromium	8/16/2016	8/23/2016	7	180	OK
MW-11	Cobalt	8/16/2016	8/23/2016	7	180	OK
MW-11	Copper	8/16/2016	8/23/2016	7	180	OK
MW-11	Fluoride	8/16/2016	8/22/2016	6	28	OK
MW-11	Gross Radium Alpha	8/16/2016	9/19/2016	34	180	OK
MW-11	Iron	8/16/2016	8/23/2016	7	180	OK
MW-11	Lead	8/16/2016	8/23/2016	7	180	OK
MW-11	Magnesium	8/16/2016	8/30/2016	14	180	OK
MW-11	Manganese	8/16/2016	8/23/2016	7	180	OK
MW-11	Mercury	8/16/2016	8/26/2016	10	180	OK
MW-11	Methylene chloride	8/16/2016	8/20/2016	4	14	OK
MW-11	Molybdenum	8/16/2016	8/23/2016	7	180	OK
MW-11	Naphthalene	8/16/2016	8/20/2016	4	14	OK
MW-11	Nickel	8/16/2016	8/23/2016	7	180	OK
MW-11	Nitrate/Nitrite (as N)	8/16/2016	8/19/2016	3	28	OK
MW-11	Potassium	8/16/2016	8/30/2016	14	180	OK
MW-11	Selenium	8/16/2016	8/23/2016	7	180	OK
MW-11	Silver	8/16/2016	8/23/2016	7	180	OK
MW-11	Sodium	8/16/2016	8/30/2016	14	180	OK
MW-11	Sulfate	8/16/2016	8/22/2016	6	28	OK
MW-11	Tetrahydrofuran	8/16/2016	8/20/2016	4	14	OK
MW-11	Thallium	8/16/2016	8/23/2016	7	180	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-11	Tin	8/16/2016	8/23/2016	7	180	OK
MW-11	Toluene	8/16/2016	8/20/2016	4	14	OK
MW-11	Total Dissolved Solids	8/16/2016	8/22/2016	6	7	OK
MW-11	Uranium	8/16/2016	8/23/2016	7	180	OK
MW-11	Vanadium	8/16/2016	8/30/2016	14	180	OK
MW-11	Xylenes, Total	8/16/2016	8/20/2016	4	14	OK
MW-11	Zinc	8/16/2016	8/23/2016	7	180	OK
MW-12	Selenium	8/19/2016	8/26/2016	7	180	OK
MW-14	2-Butanone	8/17/2016	8/20/2016	3	14	OK
MW-14	Acetone	8/17/2016	8/20/2016	3	14	OK
MW-14	Ammonia (as N)	8/17/2016	8/23/2016	6	28	OK
MW-14	Arsenic	8/17/2016	8/23/2016	6	180	OK
MW-14	Benzene	8/17/2016	8/20/2016	3	14	OK
MW-14	Beryllium	8/17/2016	8/23/2016	6	180	OK
MW-14	Bicarbonate (as CaCO3)	8/17/2016	8/22/2016	5	14	OK
MW-14	Cadmium	8/17/2016	8/23/2016	6	180	OK
MW-14	Calcium	8/17/2016	8/30/2016	13	180	OK
MW-14	Carbon tetrachloride	8/17/2016	8/20/2016	3	14	OK
MW-14	Carbonate (as CaCO3)	8/17/2016	8/22/2016	5	14	OK
MW-14	Chloride	8/17/2016	8/22/2016	5	28	OK
MW-14	Chloroform	8/17/2016	8/20/2016	3	14	OK
MW-14	Chloromethane	8/17/2016	8/20/2016	3	14	OK
MW-14	Chromium	8/17/2016	8/23/2016	6	180	OK
MW-14	Cobalt	8/17/2016	8/23/2016	6	180	OK
MW-14	Copper	8/17/2016	8/23/2016	6	180	OK
MW-14	Fluoride	8/17/2016	8/22/2016	5	28	OK
MW-14	Gross Radium Alpha	8/17/2016	9/20/2016	34	180	OK
MW-14	Iron	8/17/2016	8/23/2016	6	180	OK
MW-14	Lead	8/17/2016	8/23/2016	6	180	OK
MW-14	Magnesium	8/17/2016	8/30/2016	13	180	OK
MW-14	Manganese	8/17/2016	8/23/2016	6	180	OK
MW-14	Mercury	8/17/2016	8/26/2016	9	180	OK
MW-14	Methylene chloride	8/17/2016	8/20/2016	3	14	OK
MW-14	Molybdenum	8/17/2016	8/23/2016	6	180	OK
MW-14	Naphthalene	8/17/2016	8/20/2016	3	14	OK
MW-14	Nickel	8/17/2016	8/23/2016	6	180	OK
MW-14	Nitrate/Nitrite (as N)	8/17/2016	8/19/2016	2	28	OK
MW-14	Potassium	8/17/2016	8/30/2016	13	180	OK
MW-14	Selenium	8/17/2016	8/23/2016	6	180	OK
MW-14	Silver	8/17/2016	8/23/2016	6	180	OK
MW-14	Sodium	8/17/2016	8/30/2016	13	180	OK
MW-14	Sulfate	8/17/2016	8/22/2016	5	28	OK
MW-14	Tetrahydrofuran	8/17/2016	8/20/2016	3	14	OK
MW-14	Thallium	8/17/2016	8/23/2016	6	180	OK
MW-14	Tin	8/17/2016	8/23/2016	6	180	OK
MW-14	Toluene	8/17/2016	8/20/2016	3	14	OK
MW-14	Total Dissolved Solids	8/17/2016	8/22/2016	5	7	OK
MW-14	Uranium	8/17/2016	8/23/2016	6	180	OK
MW-14	Vanadium	8/17/2016	8/30/2016	13	180	OK
MW-14	Xylenes, Total	8/17/2016	8/20/2016	3	14	OK
MW-14	Zinc	8/17/2016	8/23/2016	6	180	OK
MW-15	Selenium	8/18/2016	8/23/2016	5	180	OK
MW-18	Sulfate	8/23/2016	9/2/2016	10	28	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-18	Thallium	8/23/2016	8/26/2016	3	180	OK
MW-18	Total Dissolved Solids	8/23/2016	8/25/2016	2	7	OK
MW-19	Nitrate/Nitrite (as N)	8/23/2016	8/26/2016	3	28	OK
MW-24	Cadmium	9/22/2016	9/26/2016	4	180	OK
MW-24	Fluoride	9/22/2016	9/28/2016	6	28	OK
MW-24	Sulfate	9/22/2016	9/28/2016	6	28	OK
MW-24	Thallium	9/22/2016	9/26/2016	4	180	OK
MW-25	2-Butanone	8/17/2016	8/20/2016	3	14	OK
MW-25	Acetone	8/17/2016	8/20/2016	3	14	OK
MW-25	Ammonia (as N)	8/17/2016	8/23/2016	6	28	OK
MW-25	Arsenic	8/17/2016	8/23/2016	6	180	OK
MW-25	Benzene	8/17/2016	8/20/2016	3	14	OK
MW-25	Beryllium	8/17/2016	8/23/2016	6	180	OK
MW-25	Bicarbonate (as CaCO3)	8/17/2016	8/22/2016	5	14	OK
MW-25	Cadmium	8/17/2016	8/23/2016	6	180	OK
MW-25	Calcium	8/17/2016	9/1/2016	15	180	OK
MW-25	Carbon tetrachloride	8/17/2016	8/20/2016	3	14	OK
MW-25	Carbonate (as CaCO3)	8/17/2016	8/22/2016	5	14	OK
MW-25	Chloride	8/17/2016	8/22/2016	5	28	OK
MW-25	Chloroform	8/17/2016	8/20/2016	3	14	OK
MW-25	Chloromethane	8/17/2016	8/20/2016	3	14	OK
MW-25	Chromium	8/17/2016	8/23/2016	6	180	OK
MW-25	Cobalt	8/17/2016	8/23/2016	6	180	OK
MW-25	Copper	8/17/2016	8/23/2016	6	180	OK
MW-25	Fluoride	8/17/2016	8/22/2016	5	28	OK
MW-25	Gross Radium Alpha	8/17/2016	9/19/2016	33	180	OK
MW-25	Iron	8/17/2016	8/23/2016	6	180	OK
MW-25	Lead	8/17/2016	8/23/2016	6	180	OK
MW-25	Magnesium	8/17/2016	8/30/2016	13	180	OK
MW-25	Manganese	8/17/2016	8/23/2016	6	180	OK
MW-25	Mercury	8/17/2016	8/26/2016	9	180	OK
MW-25	Methylene chloride	8/17/2016	8/20/2016	3	14	OK
MW-25	Molybdenum	8/17/2016	8/23/2016	6	180	OK
MW-25	Naphthalene	8/17/2016	8/20/2016	3	14	OK
MW-25	Nickel	8/17/2016	8/23/2016	6	180	OK
MW-25	Nitrate/Nitrite (as N)	8/17/2016	8/19/2016	2	28	OK
MW-25	Potassium	8/17/2016	8/30/2016	13	180	OK
MW-25	Selenium	8/17/2016	8/23/2016	6	180	OK
MW-25	Silver	8/17/2016	8/23/2016	6	180	OK
MW-25	Sodium	8/17/2016	9/1/2016	15	180	OK
MW-25	Sulfate	8/17/2016	8/22/2016	5	28	OK
MW-25	Tetrahydrofuran	8/17/2016	8/20/2016	3	14	OK
MW-25	Thallium	8/17/2016	8/23/2016	6	180	OK
MW-25	Tin	8/17/2016	8/23/2016	6	180	OK
MW-25	Toluene	8/17/2016	8/20/2016	3	14	OK
MW-25	Total Dissolved Solids	8/17/2016	8/22/2016	5	7	OK
MW-25	Uranium	8/17/2016	8/23/2016	6	180	OK
MW-25	Vanadium	8/17/2016	8/30/2016	13	180	OK
MW-25	Xylenes, Total	8/17/2016	8/20/2016	3	14	OK
MW-25	Zinc	8/17/2016	8/23/2016	6	180	OK
MW-26	2-Butanone	8/18/2016	8/20/2016	2	14	OK
MW-26	Acetone	8/18/2016	8/20/2016	2	14	OK
MW-26	Ammonia (as N)	8/18/2016	8/23/2016	5	28	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-26	Arsenic	8/18/2016	8/23/2016	5	180	OK
MW-26	Benzene	8/18/2016	8/20/2016	2	14	OK
MW-26	Beryllium	8/18/2016	8/23/2016	5	180	OK
MW-26	Bicarbonate (as CaCO3)	8/18/2016	8/22/2016	4	14	OK
MW-26	Cadmium	8/18/2016	8/23/2016	5	180	OK
MW-26	Calcium	8/18/2016	8/30/2016	12	180	OK
MW-26	Carbon tetrachloride	8/18/2016	8/20/2016	2	14	OK
MW-26	Carbonate (as CaCO3)	8/18/2016	8/22/2016	4	14	OK
MW-26	Chloride	8/18/2016	8/22/2016	4	28	OK
MW-26	Chloroform	8/18/2016	8/22/2016	4	14	OK
MW-26	Chloromethane	8/18/2016	8/20/2016	2	14	OK
MW-26	Chromium	8/18/2016	8/23/2016	5	180	OK
MW-26	Cobalt	8/18/2016	8/23/2016	5	180	OK
MW-26	Copper	8/18/2016	8/23/2016	5	180	OK
MW-26	Fluoride	8/18/2016	8/22/2016	4	28	OK
MW-26	Gross Radium Alpha	8/18/2016	9/19/2016	32	180	OK
MW-26	Iron	8/18/2016	8/23/2016	5	180	OK
MW-26	Lead	8/18/2016	8/23/2016	5	180	OK
MW-26	Magnesium	8/18/2016	8/30/2016	12	180	OK
MW-26	Manganese	8/18/2016	8/23/2016	5	180	OK
MW-26	Mercury	8/18/2016	8/26/2016	8	180	OK
MW-26	Methylene chloride	8/18/2016	8/20/2016	2	14	OK
MW-26	Molybdenum	8/18/2016	8/23/2016	5	180	OK
MW-26	Naphthalene	8/18/2016	8/20/2016	2	14	OK
MW-26	Nickel	8/18/2016	8/23/2016	5	180	OK
MW-26	Nitrate/Nitrite (as N)	8/18/2016	8/19/2016	1	28	OK
MW-26	Potassium	8/18/2016	8/30/2016	12	180	OK
MW-26	Selenium	8/18/2016	8/23/2016	5	180	OK
MW-26	Silver	8/18/2016	8/23/2016	5	180	OK
MW-26	Sodium	8/18/2016	8/30/2016	12	180	OK
MW-26	Sulfate	8/18/2016	8/22/2016	4	28	OK
MW-26	Tetrahydrofuran	8/18/2016	8/20/2016	2	14	OK
MW-26	Thallium	8/18/2016	8/23/2016	5	180	OK
MW-26	Tin	8/18/2016	8/23/2016	5	180	OK
MW-26	Toluene	8/18/2016	8/20/2016	2	14	OK
MW-26	Total Dissolved Solids	8/18/2016	8/22/2016	4	7	OK
MW-26	Uranium	8/18/2016	8/23/2016	5	180	OK
MW-26	Vanadium	8/18/2016	8/30/2016	12	180	OK
MW-26	Xylenes, Total	8/18/2016	8/20/2016	2	14	OK
MW-26	Zinc	8/18/2016	8/23/2016	5	180	OK
MW-27	Chloride	8/24/2016	9/2/2016	9	28	OK
MW-27	Gross Radium Alpha	8/24/2016	9/19/2016	26	180	OK
MW-27	Nitrate/Nitrite (as N)	8/24/2016	8/26/2016	2	28	OK
MW-27	Sulfate	8/24/2016	9/2/2016	9	28	OK
MW-27	Total Dissolved Solids	8/24/2016	8/25/2016	1	7	OK
MW-28	Cadmium	9/1/2016	9/7/2016	6	180	OK
MW-28	Chloride	9/1/2016	9/12/2016	11	28	OK
MW-28	Uranium	9/1/2016	9/7/2016	6	180	OK
MW-28	Vanadium	9/1/2016	9/7/2016	6	180	OK
MW-29	Sulfate	9/1/2016	9/12/2016	11	28	OK
MW-29	Total Dissolved Solids	9/1/2016	9/2/2016	1	7	OK
MW-30	2-Butanone	8/18/2016	8/22/2016	4	14	OK
MW-30	Acetone	8/18/2016	8/22/2016	4	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-30	Ammonia (as N)	8/18/2016	8/23/2016	5	28	OK
MW-30	Arsenic	8/18/2016	8/23/2016	5	180	OK
MW-30	Benzene	8/18/2016	8/22/2016	4	14	OK
MW-30	Beryllium	8/18/2016	8/23/2016	5	180	OK
MW-30	Bicarbonate (as CaCO3)	8/18/2016	8/22/2016	4	14	OK
MW-30	Cadmium	8/18/2016	8/23/2016	5	180	OK
MW-30	Calcium	8/18/2016	8/30/2016	12	180	OK
MW-30	Carbon tetrachloride	8/18/2016	8/22/2016	4	14	OK
MW-30	Carbonate (as CaCO3)	8/18/2016	8/22/2016	4	14	OK
MW-30	Chloride	8/18/2016	8/22/2016	4	28	OK
MW-30	Chloroform	8/18/2016	8/22/2016	4	14	OK
MW-30	Chloromethane	8/18/2016	8/22/2016	4	14	OK
MW-30	Chromium	8/18/2016	8/23/2016	5	180	OK
MW-30	Cobalt	8/18/2016	8/23/2016	5	180	OK
MW-30	Copper	8/18/2016	8/23/2016	5	180	OK
MW-30	Fluoride	8/18/2016	8/23/2016	5	28	OK
MW-30	Gross Radium Alpha	8/18/2016	9/19/2016	32	180	OK
MW-30	Iron	8/18/2016	8/23/2016	5	180	OK
MW-30	Lead	8/18/2016	8/23/2016	5	180	OK
MW-30	Magnesium	8/18/2016	8/30/2016	12	180	OK
MW-30	Manganese	8/18/2016	8/23/2016	5	180	OK
MW-30	Mercury	8/18/2016	8/26/2016	8	180	OK
MW-30	Methylene chloride	8/18/2016	8/22/2016	4	14	OK
MW-30	Molybdenum	8/18/2016	8/23/2016	5	180	OK
MW-30	Naphthalene	8/18/2016	8/22/2016	4	14	OK
MW-30	Nickel	8/18/2016	8/23/2016	5	180	OK
MW-30	Nitrate/Nitrite (as N)	8/18/2016	8/19/2016	1	28	OK
MW-30	Potassium	8/18/2016	8/30/2016	12	180	OK
MW-30	Selenium	8/18/2016	8/23/2016	5	180	OK
MW-30	Silver	8/18/2016	8/23/2016	5	180	OK
MW-30	Sodium	8/18/2016	8/31/2016	13	180	OK
MW-30	Sulfate	8/18/2016	8/22/2016	4	28	OK
MW-30	Tetrahydrofuran	8/18/2016	8/22/2016	4	14	OK
MW-30	Thallium	8/18/2016	8/23/2016	5	180	OK
MW-30	Tin	8/18/2016	8/23/2016	5	180	OK
MW-30	Toluene	8/18/2016	8/22/2016	4	14	OK
MW-30	Total Dissolved Solids	8/18/2016	8/22/2016	4	7	OK
MW-30	Uranium	8/18/2016	8/23/2016	5	180	OK
MW-30	Vanadium	8/18/2016	8/30/2016	12	180	OK
MW-30	Xylenes, Total	8/18/2016	8/22/2016	4	14	OK
MW-30	Zinc	8/18/2016	8/23/2016	5	180	OK
MW-31	2-Butanone	8/16/2016	8/20/2016	4	14	OK
MW-31	Acetone	8/16/2016	8/20/2016	4	14	OK
MW-31	Ammonia (as N)	8/16/2016	8/23/2016	7	28	OK
MW-31	Arsenic	8/16/2016	8/23/2016	7	180	OK
MW-31	Benzene	8/16/2016	8/20/2016	4	14	OK
MW-31	Beryllium	8/16/2016	8/23/2016	7	180	OK
MW-31	Bicarbonate (as CaCO3)	8/16/2016	8/22/2016	6	14	OK
MW-31	Cadmium	8/16/2016	8/23/2016	7	180	OK
MW-31	Calcium	8/16/2016	8/30/2016	14	180	OK
MW-31	Carbon tetrachloride	8/16/2016	8/20/2016	4	14	OK
MW-31	Carbonate (as CaCO3)	8/16/2016	8/22/2016	6	14	OK
MW-31	Chloride	8/16/2016	8/22/2016	6	28	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-31	Chloroform	8/16/2016	8/20/2016	4	14	OK
MW-31	Chloromethane	8/16/2016	8/20/2016	4	14	OK
MW-31	Chromium	8/16/2016	8/23/2016	7	180	OK
MW-31	Cobalt	8/16/2016	8/23/2016	7	180	OK
MW-31	Copper	8/16/2016	8/23/2016	7	180	OK
MW-31	Fluoride	8/16/2016	8/23/2016	7	28	OK
MW-31	Gross Radium Alpha	8/16/2016	9/19/2016	34	180	OK
MW-31	Iron	8/16/2016	8/23/2016	7	180	OK
MW-31	Lead	8/16/2016	8/23/2016	7	180	OK
MW-31	Magnesium	8/16/2016	8/30/2016	14	180	OK
MW-31	Manganese	8/16/2016	8/23/2016	7	180	OK
MW-31	Mercury	8/16/2016	8/26/2016	10	180	OK
MW-31	Methylene chloride	8/16/2016	8/20/2016	4	14	OK
MW-31	Molybdenum	8/16/2016	8/23/2016	7	180	OK
MW-31	Naphthalene	8/16/2016	8/20/2016	4	14	OK
MW-31	Nickel	8/16/2016	8/23/2016	7	180	OK
MW-31	Nitrate/Nitrite (as N)	8/16/2016	8/19/2016	3	28	OK
MW-31	Potassium	8/16/2016	8/30/2016	14	180	OK
MW-31	Selenium	8/16/2016	8/23/2016	7	180	OK
MW-31	Silver	8/16/2016	8/23/2016	7	180	OK
MW-31	Sodium	8/16/2016	8/31/2016	15	180	OK
MW-31	Sulfate	8/16/2016	8/22/2016	6	28	OK
MW-31	Tetrahydrofuran	8/16/2016	8/20/2016	4	14	OK
MW-31	Thallium	8/16/2016	8/23/2016	7	180	OK
MW-31	Tin	8/16/2016	8/23/2016	7	180	OK
MW-31	Toluene	8/16/2016	8/20/2016	4	14	OK
MW-31	Total Dissolved Solids	8/16/2016	8/22/2016	6	7	OK
MW-31	Uranium	8/16/2016	8/23/2016	7	180	OK
MW-31	Vanadium	8/16/2016	8/30/2016	14	180	OK
MW-31	Xylenes, Total	8/16/2016	8/20/2016	4	14	OK
MW-31	Zinc	8/16/2016	8/23/2016	7	180	OK
MW-32	Chloride	8/17/2016	8/22/2016	5	28	OK
MW-32	Gross Radium Alpha	8/17/2016	9/19/2016	33	180	OK
MW-35	2-Butanone	8/16/2016	8/20/2016	4	14	OK
MW-35	Acetone	8/16/2016	8/20/2016	4	14	OK
MW-35	Ammonia (as N)	8/16/2016	8/23/2016	7	28	OK
MW-35	Arsenic	8/16/2016	8/23/2016	7	180	OK
MW-35	Benzene	8/16/2016	8/20/2016	4	14	OK
MW-35	Beryllium	8/16/2016	8/23/2016	7	180	OK
MW-35	Bicarbonate (as CaCO3)	8/16/2016	8/22/2016	6	14	OK
MW-35	Cadmium	8/16/2016	8/23/2016	7	180	OK
MW-35	Calcium	8/16/2016	8/30/2016	14	180	OK
MW-35	Carbon tetrachloride	8/16/2016	8/20/2016	4	14	OK
MW-35	Carbonate (as CaCO3)	8/16/2016	8/22/2016	6	14	OK
MW-35	Chloride	8/16/2016	8/22/2016	6	28	OK
MW-35	Chloroform	8/16/2016	8/20/2016	4	14	OK
MW-35	Chloromethane	8/16/2016	8/20/2016	4	14	OK
MW-35	Chromium	8/16/2016	8/23/2016	7	180	OK
MW-35	Cobalt	8/16/2016	8/23/2016	7	180	OK
MW-35	Copper	8/16/2016	8/23/2016	7	180	OK
MW-35	Fluoride	8/16/2016	8/22/2016	6	28	OK
MW-35	Gross Radium Alpha	8/16/2016	9/19/2016	34	180	OK
MW-35	Iron	8/16/2016	8/23/2016	7	180	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-35	Lead	8/16/2016	8/23/2016	7	180	OK
MW-35	Magnesium	8/16/2016	8/30/2016	14	180	OK
MW-35	Manganese	8/16/2016	8/23/2016	7	180	OK
MW-35	Mercury	8/16/2016	8/26/2016	10	180	OK
MW-35	Methylene chloride	8/16/2016	8/20/2016	4	14	OK
MW-35	Molybdenum	8/16/2016	8/23/2016	7	180	OK
MW-35	Naphthalene	8/16/2016	8/20/2016	4	14	OK
MW-35	Nickel	8/16/2016	8/23/2016	7	180	OK
MW-35	Nitrate/Nitrite (as N)	8/16/2016	8/19/2016	3	28	OK
MW-35	Potassium	8/16/2016	8/30/2016	14	180	OK
MW-35	Selenium	8/16/2016	8/23/2016	7	180	OK
MW-35	Silver	8/16/2016	8/23/2016	7	180	OK
MW-35	Sodium	8/16/2016	8/30/2016	14	180	OK
MW-35	Sulfate	8/16/2016	8/22/2016	6	28	OK
MW-35	Tetrahydrofuran	8/16/2016	8/20/2016	4	14	OK
MW-35	Thallium	8/16/2016	8/23/2016	7	180	OK
MW-35	Tin	8/16/2016	8/23/2016	7	180	OK
MW-35	Toluene	8/16/2016	8/20/2016	4	14	OK
MW-35	Total Dissolved Solids	8/16/2016	8/22/2016	6	7	OK
MW-35	Uranium	8/16/2016	8/23/2016	7	180	OK
MW-35	Vanadium	8/16/2016	8/30/2016	14	180	OK
MW-35	Xylenes, Total	8/16/2016	8/20/2016	4	14	OK
MW-35	Zinc	8/16/2016	8/23/2016	7	180	OK
MW-36	2-Butanone	8/17/2016	8/20/2016	3	14	OK
MW-36	Acetone	8/17/2016	8/20/2016	3	14	OK
MW-36	Ammonia (as N)	8/17/2016	8/23/2016	6	28	OK
MW-36	Arsenic	8/17/2016	8/23/2016	6	180	OK
MW-36	Benzene	8/17/2016	8/20/2016	3	14	OK
MW-36	Beryllium	8/17/2016	8/23/2016	6	180	OK
MW-36	Bicarbonate (as CaCO3)	8/17/2016	8/22/2016	5	14	OK
MW-36	Cadmium	8/17/2016	8/23/2016	6	180	OK
MW-36	Calcium	8/17/2016	8/30/2016	13	180	OK
MW-36	Carbon tetrachloride	8/17/2016	8/20/2016	3	14	OK
MW-36	Carbonate (as CaCO3)	8/17/2016	8/22/2016	5	14	OK
MW-36	Chloride	8/17/2016	8/22/2016	5	28	OK
MW-36	Chloroform	8/17/2016	8/20/2016	3	14	OK
MW-36	Chloromethane	8/17/2016	8/20/2016	3	14	OK
MW-36	Chromium	8/17/2016	8/23/2016	6	180	OK
MW-36	Cobalt	8/17/2016	8/23/2016	6	180	OK
MW-36	Copper	8/17/2016	8/23/2016	6	180	OK
MW-36	Fluoride	8/17/2016	8/22/2016	5	28	OK
MW-36	Gross Radium Alpha	8/17/2016	9/19/2016	33	180	OK
MW-36	Iron	8/17/2016	8/23/2016	6	180	OK
MW-36	Lead	8/17/2016	8/23/2016	6	180	OK
MW-36	Magnesium	8/17/2016	8/30/2016	13	180	OK
MW-36	Manganese	8/17/2016	8/23/2016	6	180	OK
MW-36	Mercury	8/17/2016	8/26/2016	9	180	OK
MW-36	Methylene chloride	8/17/2016	8/20/2016	3	14	OK
MW-36	Molybdenum	8/17/2016	8/23/2016	6	180	OK
MW-36	Naphthalene	8/17/2016	8/20/2016	3	14	OK
MW-36	Nickel	8/17/2016	8/23/2016	6	180	OK
MW-36	Nitrate/Nitrite (as N)	8/17/2016	8/19/2016	2	28	OK
MW-36	Potassium	8/17/2016	8/30/2016	13	180	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-36	Selenium	8/17/2016	8/23/2016	6	180	OK
MW-36	Silver	8/17/2016	8/23/2016	6	180	OK
MW-36	Sodium	8/17/2016	8/30/2016	13	180	OK
MW-36	Sulfate	8/17/2016	8/22/2016	5	28	OK
MW-36	Tetrahydrofuran	8/17/2016	8/20/2016	3	14	OK
MW-36	Thallium	8/17/2016	8/23/2016	6	180	OK
MW-36	Tin	8/17/2016	8/23/2016	6	180	OK
MW-36	Toluene	8/17/2016	8/20/2016	3	14	OK
MW-36	Total Dissolved Solids	8/17/2016	8/22/2016	5	7	OK
MW-36	Uranium	8/17/2016	8/23/2016	6	180	OK
MW-36	Vanadium	8/17/2016	8/30/2016	13	180	OK
MW-36	Xylenes, Total	8/17/2016	8/20/2016	3	14	OK
MW-36	Zinc	8/17/2016	8/23/2016	6	180	OK
MW-37	2-Butanone	9/21/2016	9/23/2016	2	14	OK
MW-37	Acetone	9/21/2016	9/23/2016	2	14	OK
MW-37	Ammonia (as N)	9/21/2016	9/26/2016	5	28	OK
MW-37	Arsenic	9/21/2016	9/26/2016	5	180	OK
MW-37	Benzene	9/21/2016	9/23/2016	2	14	OK
MW-37	Beryllium	9/21/2016	9/26/2016	5	180	OK
MW-37	Bicarbonate (as CaCO3)	9/21/2016	9/26/2016	5	14	OK
MW-37	Cadmium	9/21/2016	9/26/2016	5	180	OK
MW-37	Calcium	9/21/2016	9/30/2016	9	180	OK
MW-37	Carbon tetrachloride	9/21/2016	9/23/2016	2	14	OK
MW-37	Carbonate (as CaCO3)	9/21/2016	9/26/2016	5	14	OK
MW-37	Chloride	9/21/2016	9/28/2016	7	28	OK
MW-37	Chloroform	9/21/2016	9/23/2016	2	14	OK
MW-37	Chloromethane	9/21/2016	9/23/2016	2	14	OK
MW-37	Chromium	9/21/2016	9/26/2016	5	180	OK
MW-37	Cobalt	9/21/2016	9/26/2016	5	180	OK
MW-37	Copper	9/21/2016	9/26/2016	5	180	OK
MW-37	Fluoride	9/21/2016	9/28/2016	7	28	OK
MW-37	Gross Radium Alpha	9/21/2016	10/13/2016	22	180	OK
MW-37	Iron	9/21/2016	9/26/2016	5	180	OK
MW-37	Lead	9/21/2016	9/26/2016	5	180	OK
MW-37	Magnesium	9/21/2016	9/30/2016	9	180	OK
MW-37	Manganese	9/21/2016	9/26/2016	5	180	OK
MW-37	Mercury	9/21/2016	10/4/2016	13	180	OK
MW-37	Methylene chloride	9/21/2016	9/23/2016	2	14	OK
MW-37	Molybdenum	9/21/2016	9/26/2016	5	180	OK
MW-37	Naphthalene	9/21/2016	9/23/2016	2	14	OK
MW-37	Nickel	9/21/2016	9/26/2016	5	180	OK
MW-37	Nitrate/Nitrite (as N)	9/21/2016	9/23/2016	2	28	OK
MW-37	Potassium	9/21/2016	9/30/2016	9	180	OK
MW-37	Selenium	9/21/2016	9/26/2016	5	180	OK
MW-37	Silver	9/21/2016	9/26/2016	5	180	OK
MW-37	Sodium	9/21/2016	9/30/2016	9	180	OK
MW-37	Sulfate	9/21/2016	9/28/2016	7	28	OK
MW-37	Tetrahydrofuran	9/21/2016	9/23/2016	2	14	OK
MW-37	Thallium	9/21/2016	9/26/2016	5	180	OK
MW-37	Tin	9/21/2016	9/26/2016	5	180	OK
MW-37	Toluene	9/21/2016	9/23/2016	2	14	OK
MW-37	Total Dissolved Solids	9/21/2016	9/23/2016	2	7	OK
MW-37	Uranium	9/21/2016	9/26/2016	5	180	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-37	Vanadium	9/21/2016	9/30/2016	9	180	OK
MW-37	Xylenes, Total	9/21/2016	9/23/2016	2	14	OK
MW-37	Zinc	9/21/2016	9/26/2016	5	180	OK
MW-65	2-Butanone	8/18/2016	8/22/2016	4	14	OK
MW-65	Acetone	8/18/2016	8/22/2016	4	14	OK
MW-65	Ammonia (as N)	8/18/2016	8/23/2016	5	28	OK
MW-65	Arsenic	8/18/2016	8/23/2016	5	180	OK
MW-65	Benzene	8/18/2016	8/22/2016	4	14	OK
MW-65	Beryllium	8/18/2016	8/23/2016	5	180	OK
MW-65	Bicarbonate (as CaCO3)	8/18/2016	8/22/2016	4	14	OK
MW-65	Cadmium	8/18/2016	8/23/2016	5	180	OK
MW-65	Calcium	8/18/2016	8/30/2016	12	180	OK
MW-65	Carbon tetrachloride	8/18/2016	8/22/2016	4	14	OK
MW-65	Carbonate (as CaCO3)	8/18/2016	8/22/2016	4	14	OK
MW-65	Chloride	8/18/2016	8/24/2016	6	28	OK
MW-65	Chloroform	8/18/2016	8/22/2016	4	14	OK
MW-65	Chloromethane	8/18/2016	8/22/2016	4	14	OK
MW-65	Chromium	8/18/2016	8/23/2016	5	180	OK
MW-65	Cobalt	8/18/2016	8/23/2016	5	180	OK
MW-65	Copper	8/18/2016	8/23/2016	5	180	OK
MW-65	Fluoride	8/18/2016	8/23/2016	5	28	OK
MW-65	Gross Radium Alpha	8/18/2016	9/19/2016	32	180	OK
MW-65	Iron	8/18/2016	8/23/2016	5	180	OK
MW-65	Lead	8/18/2016	8/23/2016	5	180	OK
MW-65	Magnesium	8/18/2016	8/30/2016	12	180	OK
MW-65	Manganese	8/18/2016	8/23/2016	5	180	OK
MW-65	Mercury	8/18/2016	8/26/2016	8	180	OK
MW-65	Methylene chloride	8/18/2016	8/22/2016	4	14	OK
MW-65	Molybdenum	8/18/2016	8/23/2016	5	180	OK
MW-65	Naphthalene	8/18/2016	8/22/2016	4	14	OK
MW-65	Nickel	8/18/2016	8/23/2016	5	180	OK
MW-65	Nitrate/Nitrite (as N)	8/18/2016	8/19/2016	1	28	OK
MW-65	Potassium	8/18/2016	8/30/2016	12	180	OK
MW-65	Selenium	8/18/2016	8/23/2016	5	180	OK
MW-65	Silver	8/18/2016	8/23/2016	5	180	OK
MW-65	Sodium	8/18/2016	8/31/2016	13	180	OK
MW-65	Sulfate	8/18/2016	8/24/2016	6	28	OK
MW-65	Tetrahydrofuran	8/18/2016	8/22/2016	4	14	OK
MW-65	Thallium	8/18/2016	8/23/2016	5	180	OK
MW-65	Tin	8/18/2016	8/23/2016	5	180	OK
MW-65	Toluene	8/18/2016	8/22/2016	4	14	OK
MW-65	Total Dissolved Solids	8/18/2016	8/22/2016	4	7	OK
MW-65	Uranium	8/18/2016	8/23/2016	5	180	OK
MW-65	Vanadium	8/18/2016	8/30/2016	12	180	OK
MW-65	Xylenes, Total	8/18/2016	8/22/2016	4	14	OK
MW-65	Zinc	8/18/2016	8/23/2016	5	180	OK
MW-70	Cadmium	9/1/2016	9/7/2016	6	180	OK
MW-70	Chloride	9/1/2016	9/12/2016	11	28	OK
MW-70	Uranium	9/1/2016	9/7/2016	6	180	OK
MW-70	Vanadium	9/1/2016	9/7/2016	6	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	7/14/2016	7/15/2016	1	14	OK
Trip Blank	Methylene chloride	7/14/2016	7/15/2016	1	14	OK
Trip Blank	Chloroform	9/15/2016	9/16/2016	1	14	OK
Trip Blank	Methylene chloride	9/15/2016	9/16/2016	1	14	OK
MW-11	Manganese	7/13/2016	7/27/2016	14	180	OK
MW-11	Manganese	9/14/2016	9/20/2016	6	180	OK
MW-25	Chloride	7/12/2016	7/18/2016	6	28	OK
MW-25	Cadmium	7/12/2016	7/27/2016	15	180	OK
MW-25	Uranium	7/12/2016	7/27/2016	15	180	OK
MW-25	Chloride	9/13/2016	9/26/2016	13	28	OK
MW-25	Cadmium	9/13/2016	9/20/2016	7	180	OK
MW-25	Uranium	9/13/2016	9/20/2016	7	180	OK
MW-26	Chloride	7/14/2016	7/18/2016	4	28	OK
MW-26	Chloroform	7/14/2016	7/15/2016	1	14	OK
MW-26	Uranium	7/14/2016	7/27/2016	13	180	OK
MW-26	Methylene chloride	7/14/2016	7/15/2016	1	14	OK
MW-26	Nitrate/Nitrite (as N)	7/14/2016	7/19/2016	5	28	OK
MW-26	Chloride	9/15/2016	9/26/2016	11	28	OK
MW-26	Chloroform	9/15/2016	9/16/2016	1	14	OK
MW-26	Uranium	9/15/2016	9/20/2016	5	180	OK
MW-26	Methylene chloride	9/15/2016	9/16/2016	1	14	OK
MW-26	Nitrate/Nitrite (as N)	9/15/2016	9/16/2016	1	28	OK
MW-30	Chloride	7/13/2016	7/18/2016	5	28	OK
MW-30	Fluoride	7/13/2016	7/18/2016	5	27	OK
MW-30	Uranium	7/13/2016	7/27/2016	14	180	OK
MW-30	Selenium	7/13/2016	7/27/2016	14	180	OK
MW-30	Nitrate/Nitrite (as N)	7/13/2016	7/19/2016	6	28	OK
MW-30	Chloride	9/14/2016	9/26/2016	12	28	OK
MW-30	Fluoride	9/14/2016	9/28/2016	14	27	OK
MW-30	Uranium	9/14/2016	9/20/2016	6	180	OK
MW-30	Selenium	9/14/2016	9/20/2016	6	180	OK
MW-30	Nitrate/Nitrite (as N)	9/14/2016	9/16/2016	2	28	OK
MW-31	Sulfate	7/12/2016	7/18/2016	6	28	OK
MW-31	Chloride	7/12/2016	7/18/2016	6	28	OK
MW-31	Selenium	7/12/2016	7/27/2016	15	180	OK
MW-31	Nitrate/Nitrite (as N)	7/12/2016	7/19/2016	7	28	OK
MW-31	Total Dissolved Solids	7/12/2016	7/15/2016	3	7	OK
MW-31	Sulfate	9/13/2016	9/26/2016	13	28	OK
MW-31	Chloride	9/13/2016	9/26/2016	13	28	OK
MW-31	Selenium	9/13/2016	9/20/2016	7	180	OK
MW-31	Nitrate/Nitrite (as N)	9/13/2016	9/16/2016	3	28	OK
MW-31	Total Dissolved Solids	9/13/2016	9/16/2016	3	7	OK
MW-35	Manganese	7/12/2016	7/27/2016	15	180	OK
MW-35	Thallium	7/12/2016	7/27/2016	15	180	OK
MW-35	Uranium	7/12/2016	7/27/2016	15	180	OK
MW-35	Selenium	7/12/2016	7/27/2016	15	180	OK
MW-35	Gross Radium Alpha	7/12/2016	8/11/2016	30	180	OK
MW-35	Gross Radium Alpha	9/13/2016	10/13/2016	30	180	OK
MW-35	Manganese	9/13/2016	9/20/2016	7	180	OK
MW-35	Thallium	9/13/2016	9/20/2016	7	180	OK
MW-35	Uranium	9/13/2016	9/20/2016	7	180	OK
MW-35	Selenium	9/13/2016	9/20/2016	7	180	OK
MW-65	Manganese	7/12/2016	7/27/2016	15	180	OK

G-2B: Accelerated Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-65	Thallium	7/12/2016	7/27/2016	15	180	OK
MW-65	Uranium	7/12/2016	7/27/2016	15	180	OK
MW-65	Selenium	7/12/2016	7/27/2016	15	180	OK
MW-65	Gross Radium Alpha	7/12/2016	8/11/2016	30	180	OK
MW-65	Chloride	9/14/2016	9/26/2016	12	28	OK
MW-65	Fluoride	9/14/2016	9/26/2016	12	27	OK
MW-65	Uranium	9/14/2016	9/20/2016	6	180	OK
MW-65	Selenium	9/14/2016	9/20/2016	6	180	OK
MW-65	Nitrate/Nitrite (as N)	9/14/2016	9/16/2016	2	28	OK

G-3A: Quarterly Sample Laboratory Receipt Temperature Check

Sample Batch	Wells in Batch	Temperature
GEL 404304	MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, MW-32, MW-35, MW-65	NA
GEL 405138	MW-27	NA
GEL 406684	MW-03, MW-37	NA
AWAL 1608400	MW-11, MW-14, MW-15, MW-25, MW-26, MW-30, MW-31, MW-32, MW-35, MW-36, MW-65, Trip Blank	1.5 °C
AWAL 1608512	MW-01, MW-05, MW-12, MW-18, MW-19, MW-27	2.3 °C
AWAL 1609036	MW-28, MW-29, MW-70	1.3 °C
AWAL 1609477	MW-03, MW-03A, MW-24, MW-37, Trip Blank	1.9 °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 401655	MW-35, MW-65	NA
AWAL 1607239	MW-11, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65, Trip Blank	1.4 °C
GEL 406063	MW-35	NA
AWAL 1609325	MW-11, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65, Trip Blank	2.6 °C

N/A = These shipments contained samples for the analysis of gross alpha only. Per Table 1 in the approved QAP,samples submitted for gross alpha analyses do not have a sample temperature requirement.

G-4A: Quarterly Sample Analytical Method Check

Parameter	QAP Method	Method Used by Lab
Ammonia (as N)	A4500-NH3 G or E350.1	E350.1
Nitrate + Nitrite (as N)	E353.1 or E353.2	E353.2
Metals	E200.7 or E200.8	E200.7 and E200.8
Gross Alpha	E900.0 or E900.1	E900.1
VOCs	SW8260B or SW8260C	SW8260C
Chloride	A4500-Cl B or A4500-Cl E or E300.0	E300.0
Fluoride	A4500-F C or E300.0	E300.0
Sulfate	A4500-SO4 E or E300.0	E300.0
TDS	A2540 C	A2540 C
Carbonate as CO3, Bicarbonate as HCO3	A2320 B	A2320 B
Mercury	E245.1 or E200.7 or E200.8	E245.1
Calcium, Magnesium, Potassium, Sodium	E200.7	E200.7

G-4B: Accelerated Sample Analytical Method Check

Parameter	QAP Method	Method Used by Lab
Nitrate + Nitrite (as N)	E353.1 or E353.2	E353.2
Metals	E200.7 or E200.8	E200.7 or E200.8
Gross Alpha	E900.0 or E900.1	E900.1
VOCs	SW8260B or SW8260C	SW8260C
Chloride	A4500-Cl B or A4500-Cl E or E300.0	E300.0
Sulfate	A4500-SO4 E or E300.0	E300.0
TDS	A2540 C	A2540 C

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
Trip Blank	Toluene	1	ug/L	U	1	1	OK
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	1	OK
Trip Blank	Xylenes, Total	1	ug/L	U	1	1	OK
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Acetone	20	ug/L	U	1	20	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Benzene	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	2-Butanone	20	ug/L	U	1	20	OK
Trip Blank	Naphthalene	1	ug/L	U	1	1	OK
Trip Blank	Toluene	1	ug/L	U	1	1	OK
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	1	OK
Trip Blank	Xylenes, Total	1	ug/L	U	1	1	OK
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Acetone	20	ug/L	U	1	20	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Benzene	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene chloride	1	ug/L	U	1	1	OK
Trip Blank	2-Butanone	20	ug/L	U	1	20	OK
Trip Blank	Naphthalene	1	ug/L	U	1	1	OK
MW-01	Sulfate	100	mg/L		100	1	OK
MW-01	Chloride	10	mg/L		10	1	OK
MW-03	Gross Radium Alpha	0.63	pCi/L	U	1	1	OK
MW-03	Toluene	1	ug/L	U	1	1	OK
MW-03	Tetrahydrofuran	1	ug/L		1	1	OK
MW-03	Xylenes, Total	1	ug/L	U	1	1	OK
MW-03	Sulfate	1000	mg/L		1000	1	OK
MW-03	Chloride	10	mg/L		10	1	OK
MW-03	Fluoride	0.1	mg/L		1	0.1	OK
MW-03	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-03	Acetone	20	ug/L	U	1	20	OK
MW-03	Chloroform	1	ug/L	U	1	1	OK
MW-03	Benzene	1	ug/L	U	1	1	OK
MW-03	Chloromethane	1	ug/L	U	1	1	OK
MW-03	Iron	30	ug/L		5	30	OK
MW-03	Lead	1	ug/L	U	5	1	OK
MW-03	Magnesium	50	mg/L		50	0.5	OK
MW-03	Manganese	10	ug/L		100	10	OK
MW-03	Mercury	0.5	ug/L	U	1	0.5	OK
MW-03	Molybdenum	10	ug/L	U	20	10	OK
MW-03	Nickel	20	ug/L		20	20	OK
MW-03	Potassium	2	mg/L		2	0.5	OK
MW-03	Silver	10	ug/L	U	20	10	OK
MW-03	Sodium	50	mg/L		50	0.5	OK
MW-03	Thallium	0.5	ug/L		5	0.5	OK
MW-03	Tin	100	ug/L	U	20	100	OK
MW-03	Arsenic	5	ug/L	U	20	5	OK
MW-03	Beryllium	0.5	ug/L		5	0.5	OK
MW-03	Cadmium	0.5	ug/L		20	0.5	OK
MW-03	Chromium	25	ug/L	U	20	25	OK
MW-03	Cobalt	10	ug/L	U	20	10	OK
MW-03	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-03	Uranium	0.3	ug/L		2	0.3	OK
MW-03	Vanadium	15	ug/L	U	1	15	OK
MW-03	Zinc	25	ug/L		100	10	OK
MW-03	Calcium	50	mg/L		50	0.5	OK
MW-03	Methylene chloride	1	ug/L	U	1	1	OK
MW-03	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-03	Selenium	5	ug/L		20	5	OK
MW-03	2-Butanone	20	ug/L	U	1	20	OK
MW-03	Naphthalene	1	ug/L	U	1	1	OK
MW-03	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-03	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-03	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-03	Total Dissolved Solids	20	MG/L		2	10	OK
MW-03a	Sulfate	1000	mg/L		1000	1	OK
MW-03a	Selenium	5	ug/L		20	5	OK
MW-05	Uranium	0.3	ug/L		2	0.3	OK
MW-11	Gross Radium Alpha	0.953	pCi/L	U	1	1	OK
MW-11	Toluene	1	ug/L	U	1	1	OK
MW-11	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-11	Xylenes, Total	1	ug/L	U	1	1	OK
MW-11	Sulfate	1000	mg/L		1000	1	OK
MW-11	Chloride	10	mg/L		10	1	OK
MW-11	Fluoride	0.1	mg/L		1	0.1	OK
MW-11	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-11	Acetone	20	ug/L	U	1	20	OK
MW-11	Chloroform	1	ug/L	U	1	1	OK
MW-11	Benzene	1	ug/L	U	1	1	OK
MW-11	Chloromethane	1	ug/L	U	1	1	OK
MW-11	Iron	30	ug/L		5	30	OK
MW-11	Lead	1	ug/L	U	5	1	OK
MW-11	Magnesium	10	mg/L		10	0.5	OK
MW-11	Manganese	10	ug/L		20	10	OK
MW-11	Mercury	0.5	ug/L	U	1	0.5	OK
MW-11	Molybdenum	10	ug/L	U	20	10	OK
MW-11	Nickel	20	ug/L	U	20	20	OK
MW-11	Potassium	1	mg/L		1	0.5	OK
MW-11	Silver	10	ug/L	U	20	10	OK
MW-11	Sodium	50	mg/L		50	0.5	OK
MW-11	Thallium	0.5	ug/L	U	5	0.5	OK
MW-11	Tin	100	ug/L	U	20	100	OK
MW-11	Arsenic	5	ug/L	U	20	5	OK
MW-11	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-11	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-11	Chromium	25	ug/L	U	20	25	OK
MW-11	Cobalt	10	ug/L	U	20	10	OK
MW-11	Copper	10	ug/L	U	20	10	OK
MW-11	Uranium	0.3	ug/L		2	0.3	OK
MW-11	Vanadium	15	ug/L	U	1	15	OK
MW-11	Zinc	10	ug/L	U	20	10	OK
MW-11	Calcium	10	mg/L		10	0.5	OK
MW-11	Methylene chloride	1	ug/L	U	1	1	OK
MW-11	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-11	Selenium	5	ug/L	U	20	5	OK
MW-11	2-Butanone	20	ug/L	U	1	20	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-11	Naphthalene	1	ug/L	U	1	1	OK
MW-11	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-11	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-11	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-11	Total Dissolved Solids	20	MG/L		2	10	OK
MW-12	Selenium	5	ug/L		20	5	OK
MW-14	Gross Radium Alpha	0.976	pCi/L	U	1	1	OK
MW-14	Toluene	1	ug/L	U	1	1	OK
MW-14	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-14	Xylenes, Total	1	ug/L	U	1	1	OK
MW-14	Sulfate	1000	mg/L		1000	1	OK
MW-14	Chloride	10	mg/L		10	1	OK
MW-14	Fluoride	0.1	mg/L		1	0.1	OK
MW-14	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-14	Acetone	20	ug/L	U	1	20	OK
MW-14	Chloroform	1	ug/L	U	1	1	OK
MW-14	Benzene	1	ug/L	U	1	1	OK
MW-14	Chloromethane	1	ug/L	U	1	1	OK
MW-14	Iron	30	ug/L	U	5	30	OK
MW-14	Lead	1	ug/L	U	5	1	OK
MW-14	Magnesium	10	mg/L		10	0.5	OK
MW-14	Manganese	10	ug/L		100	10	OK
MW-14	Mercury	0.5	ug/L	U	1	0.5	OK
MW-14	Molybdenum	10	ug/L	U	20	10	OK
MW-14	Nickel	20	ug/L	U	20	20	OK
MW-14	Potassium	1	mg/L		1	0.5	OK
MW-14	Silver	10	ug/L	U	20	10	OK
MW-14	Sodium	50	mg/L		50	0.5	OK
MW-14	Thallium	0.5	ug/L	U	5	0.5	OK
MW-14	Tin	100	ug/L	U	20	100	OK
MW-14	Arsenic	5	ug/L	U	20	5	OK
MW-14	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-14	Cadmium	0.5	ug/L		20	0.5	OK
MW-14	Chromium	25	ug/L	U	20	25	OK
MW-14	Cobalt	10	ug/L	U	20	10	OK
MW-14	Copper	10	ug/L	U	20	10	OK
MW-14	Uranium	0.3	ug/L		2	0.3	OK
MW-14	Vanadium	15	ug/L	U	1	15	OK
MW-14	Zinc	10	ug/L		20	10	OK
MW-14	Calcium	50	mg/L		50	0.5	OK
MW-14	Methylene chloride	1	ug/L	U	1	1	OK
MW-14	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-14	Selenium	5	ug/L	U	20	5	OK
MW-14	2-Butanone	20	ug/L	U	1	20	OK
MW-14	Naphthalene	1	ug/L	U	1	1	OK
MW-14	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-14	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-14	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-14	Total Dissolved Solids	20	MG/L		2	10	OK
MW-15	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

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-24	Sulfate	1000	mg/L		1000	1	OK
MW-24	Fluoride	0.1	mg/L		1	0.1	OK
MW-24	Thallium	0.5	ug/L		5	0.5	OK
MW-24	Cadmium	0.5	ug/L		20	0.5	OK
MW-25	Gross Radium Alpha	0.959	pCi/L	U	1	1	OK
MW-25	Toluene	1	ug/L	U	1	1	OK
MW-25	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-25	Xylenes, Total	1	ug/L	U	1	1	OK
MW-25	Sulfate	1000	mg/L		1000	1	OK
MW-25	Chloride	10	mg/L		10	1	OK
MW-25	Fluoride	0.1	mg/L		1	0.1	OK
MW-25	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-25	Acetone	20	ug/L	U	1	20	OK
MW-25	Chloroform	1	ug/L	U	1	1	OK
MW-25	Benzene	1	ug/L	U	1	1	OK
MW-25	Chloromethane	1	ug/L	U	1	1	OK
MW-25	Iron	30	ug/L	U	5	30	OK
MW-25	Lead	1	ug/L	U	5	1	OK
MW-25	Magnesium	10	mg/L		10	0.5	OK
MW-25	Manganese	10	ug/L		20	10	OK
MW-25	Mercury	0.5	ug/L	U	1	0.5	OK
MW-25	Molybdenum	10	ug/L		20	10	OK
MW-25	Nickel	20	ug/L	U	20	20	OK
MW-25	Potassium	1	mg/L		1	0.5	OK
MW-25	Silver	10	ug/L	U	20	10	OK
MW-25	Sodium	50	mg/L		50	0.5	OK
MW-25	Thallium	0.5	ug/L		5	0.5	OK
MW-25	Tin	100	ug/L	U	20	100	OK
MW-25	Arsenic	5	ug/L	U	20	5	OK
MW-25	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-25	Cadmium	0.5	ug/L		20	0.5	OK
MW-25	Chromium	25	ug/L	U	20	25	OK
MW-25	Cobalt	10	ug/L	U	20	10	OK
MW-25	Copper	10	ug/L	U	20	10	OK
MW-25	Uranium	0.3	ug/L		2	0.3	OK
MW-25	Vanadium	15	ug/L	U	1	15	OK
MW-25	Zinc	10	ug/L	U	20	10	OK
MW-25	Calcium	50	mg/L		50	0.5	OK
MW-25	Methylene chloride	1	ug/L	U	1	1	OK
MW-25	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-25	Selenium	5	ug/L	U	20	5	OK
MW-25	2-Butanone	20	ug/L	U	1	20	OK
MW-25	Naphthalene	1	ug/L	U	1	1	OK
MW-25	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-25	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-25	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-25	Total Dissolved Solids	20	MG/L		2	10	OK
MW-26	Toluene	1	ug/L	U	1	1	OK
MW-26	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-26	Xylenes, Total	1	ug/L	U	1	1	OK
MW-26	Sulfate	1000	mg/L		1000	1	OK
MW-26	Chloride	10	mg/L		10	1	OK
MW-26	Fluoride	0.1	mg/L		1	0.1	OK
MW-26	Carbon tetrachloride	1	ug/L	U	1	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-26	Acetone	20	ug/L	U	1	20	OK
MW-26	Chloroform	50	ug/L		50	1	OK
MW-26	Benzene	1	ug/L	U	1	1	OK
MW-26	Chloromethane	1	ug/L	U	1	1	OK
MW-26	Iron	100	ug/L		20	30	OK
MW-26	Lead	1	ug/L	U	5	1	OK
MW-26	Magnesium	10	mg/L		10	0.5	OK
MW-26	Manganese	10	ug/L		20	10	OK
MW-26	Mercury	0.5	ug/L	U	1	0.5	OK
MW-26	Molybdenum	10	ug/L	U	20	10	OK
MW-26	Nickel	20	ug/L	U	20	20	OK
MW-26	Potassium	1	mg/L		1	0.5	OK
MW-26	Silver	10	ug/L	U	20	10	OK
MW-26	Sodium	50	mg/L		50	0.5	OK
MW-26	Thallium	0.5	ug/L	U	5	0.5	OK
MW-26	Tin	100	ug/L	U	20	100	OK
MW-26	Arsenic	5	ug/L	U	20	5	OK
MW-26	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-26	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-26	Chromium	25	ug/L	U	20	25	OK
MW-26	Cobalt	10	ug/L	U	20	10	OK
MW-26	Copper	10	ug/L	U	20	10	OK
MW-26	Uranium	0.3	ug/L		2	0.3	OK
MW-26	Vanadium	15	ug/L	U	1	15	OK
MW-26	Zinc	10	ug/L	U	20	10	OK
MW-26	Calcium	50	mg/L		50	0.5	OK
MW-26	Methylene chloride	1	ug/L		1	1	OK
MW-26	Ammonia (as N)	0.05	mg/L		1	0.05	OK
MW-26	Selenium	5	ug/L		20	5	OK
MW-26	2-Butanone	20	ug/L	U	1	20	OK
MW-26	Naphthalene	1	ug/L	U	1	1	OK
MW-26	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-26	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-26	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-26	Total Dissolved Solids	20	MG/L		2	10	OK
MW-26	Gross Radium Alpha	0.995	pCi/L		1	1	OK
MW-27	Gross Radium Alpha	0.99	pCi/L	U	1	1	OK
MW-27	Sulfate	100	mg/L		100	1	OK
MW-27	Chloride	10	mg/L		10	1	OK
MW-27	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-27	Total Dissolved Solids	20	MG/L		2	10	OK
MW-28	Chloride	100	mg/L		100	1	OK
MW-28	Cadmium	0.5	ug/L		20	0.5	OK
MW-28	Uranium	0.3	ug/L		2	0.3	OK
MW-28	Vanadium	15	ug/L	U	20	15	OK
MW-29	Sulfate	1000	mg/L		1000	1	OK
MW-29	Total Dissolved Solids	20	MG/L		2	10	OK
MW-30	Gross Radium Alpha	0.976	pCi/L	U	1	1	OK
MW-30	Toluene	1	ug/L	U	1	1	OK
MW-30	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-30	Xylenes, Total	1	ug/L	U	1	1	OK
MW-30	Sulfate	100	mg/L		100	1	OK
MW-30	Chloride	100	mg/L		100	1	OK
MW-30	Fluoride	0.1	mg/L		1	0.1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-30	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-30	Acetone	20	ug/L	U	1	20	OK
MW-30	Chloroform	1	ug/L	U	1	1	OK
MW-30	Benzene	1	ug/L	U	1	1	OK
MW-30	Chloromethane	1	ug/L	U	1	1	OK
MW-30	Iron	30	ug/L	U	5	30	OK
MW-30	Lead	1	ug/L	U	5	1	OK
MW-30	Magnesium	10	mg/L		10	0.5	OK
MW-30	Manganese	10	ug/L		20	10	OK
MW-30	Mercury	0.5	ug/L	U	1	0.5	OK
MW-30	Molybdenum	10	ug/L	U	20	10	OK
MW-30	Nickel	20	ug/L	U	20	20	OK
MW-30	Potassium	1	mg/L		1	0.5	OK
MW-30	Silver	10	ug/L	U	20	10	OK
MW-30	Sodium	10	mg/L		10	0.5	OK
MW-30	Thallium	0.5	ug/L	U	5	0.5	OK
MW-30	Tin	100	ug/L	U	20	100	OK
MW-30	Arsenic	5	ug/L	U	20	5	OK
MW-30	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-30	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-30	Chromium	25	ug/L	U	20	25	OK
MW-30	Cobalt	10	ug/L	U	20	10	OK
MW-30	Copper	10	ug/L	U	20	10	OK
MW-30	Uranium	0.3	ug/L		2	0.3	OK
MW-30	Vanadium	15	ug/L	U	1	15	OK
MW-30	Zinc	10	ug/L	U	20	10	OK
MW-30	Calcium	50	mg/L		50	0.5	OK
MW-30	Methylene chloride	1	ug/L	U	1	1	OK
MW-30	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-30	Selenium	5	ug/L		20	5	OK
MW-30	2-Butanone	20	ug/L	U	1	20	OK
MW-30	Naphthalene	1	ug/L	U	1	1	OK
MW-30	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-30	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-30	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-30	Total Dissolved Solids	20	MG/L		2	10	OK
MW-31	Toluene	1	ug/L	U	1	1	OK
MW-31	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-31	Xylenes, Total	1	ug/L	U	1	1	OK
MW-31	Sulfate	100	mg/L		100	1	OK
MW-31	Chloride	100	mg/L		100	1	OK
MW-31	Fluoride	0.1	mg/L		1	0.1	OK
MW-31	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-31	Acetone	20	ug/L	U	1	20	OK
MW-31	Chloroform	1	ug/L	U	1	1	OK
MW-31	Benzene	1	ug/L	U	1	1	OK
MW-31	Chloromethane	1	ug/L	U	1	1	OK
MW-31	Iron	30	ug/L	U	5	30	OK
MW-31	Lead	1	ug/L	U	5	1	OK
MW-31	Magnesium	10	mg/L		10	0.5	OK
MW-31	Manganese	10	ug/L	U	20	10	OK
MW-31	Mercury	0.5	ug/L	U	1	0.5	OK
MW-31	Molybdenum	10	ug/L	U	20	10	OK
MW-31	Nickel	20	ug/L	U	20	20	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-31	Potassium	1	mg/L		1	0.5	OK
MW-31	Silver	10	ug/L	U	20	10	OK
MW-31	Sodium	10	mg/L		10	0.5	OK
MW-31	Thallium	0.5	ug/L	U	5	0.5	OK
MW-31	Tin	100	ug/L	U	20	100	OK
MW-31	Arsenic	5	ug/L	U	20	5	OK
MW-31	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-31	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-31	Chromium	25	ug/L	U	20	25	OK
MW-31	Cobalt	10	ug/L	U	20	10	OK
MW-31	Copper	10	ug/L	U	20	10	OK
MW-31	Uranium	0.3	ug/L		2	0.3	OK
MW-31	Vanadium	15	ug/L	U	1	15	OK
MW-31	Zinc	10	ug/L	U	20	10	OK
MW-31	Calcium	50	mg/L		50	0.5	OK
MW-31	Methylene chloride	1	ug/L	U	1	1	OK
MW-31	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-31	Selenium	5	ug/L		20	5	OK
MW-31	2-Butanone	20	ug/L	U	1	20	OK
MW-31	Naphthalene	1	ug/L	U	1	1	OK
MW-31	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-31	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-31	Nitrate/Nitrite (as N)	0.2	mg/L		20	0.1	OK
MW-31	Total Dissolved Solids	20	MG/L		2	10	OK
MW-31	Gross Radium Alpha	0.966	pCi/L	U	1	1	OK
MW-32	Gross Radium Alpha	0.981	pCi/L		1	1	OK
MW-32	Chloride	10	mg/L		10	1	OK
MW-35	Toluene	1	ug/L	U	1	1	OK
MW-35	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-35	Xylenes, Total	1	ug/L	U	1	1	OK
MW-35	Sulfate	1000	mg/L		1000	1	OK
MW-35	Chloride	10	mg/L		10	1	OK
MW-35	Fluoride	0.1	mg/L		1	0.1	OK
MW-35	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-35	Acetone	20	ug/L	U	1	20	OK
MW-35	Chloroform	1	ug/L	U	1	1	OK
MW-35	Benzene	1	ug/L	U	1	1	OK
MW-35	Chloromethane	1	ug/L	U	1	1	OK
MW-35	Iron	30	ug/L		5	30	OK
MW-35	Lead	1	ug/L	U	5	1	OK
MW-35	Magnesium	10	mg/L		10	0.5	OK
MW-35	Manganese	10	ug/L		20	10	OK
MW-35	Mercury	0.5	ug/L	U	1	0.5	OK
MW-35	Molybdenum	10	ug/L	U	20	10	OK
MW-35	Nickel	20	ug/L	U	20	20	OK
MW-35	Potassium	1	mg/L		1	0.5	OK
MW-35	Silver	10	ug/L	U	20	10	OK
MW-35	Sodium	50	mg/L		50	0.5	OK
MW-35	Thallium	0.5	ug/L	U	5	0.5	OK
MW-35	Tin	100	ug/L	U	20	100	OK
MW-35	Arsenic	5	ug/L	U	20	5	OK
MW-35	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-35	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-35	Chromium	25	ug/L	U	20	25	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-35	Cobalt	10	ug/L	U	20	10	OK
MW-35	Copper	10	ug/L	U	20	10	OK
MW-35	Uranium	0.3	ug/L		2	0.3	OK
MW-35	Vanadium	15	ug/L	U	1	15	OK
MW-35	Zinc	10	ug/L	U	20	10	OK
MW-35	Calcium	50	mg/L		50	0.5	OK
MW-35	Methylene chloride	1	ug/L	U	1	1	OK
MW-35	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-35	Selenium	5	ug/L		20	5	OK
MW-35	2-Butanone	20	ug/L	U	1	20	OK
MW-35	Naphthalene	1	ug/L	U	1	1	OK
MW-35	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-35	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-35	Nitrate/Nitrite (as N)	0.1	mg/L	U	10	0.1	OK
MW-35	Total Dissolved Solids	20	MG/L		2	10	OK
MW-35	Gross Radium Alpha	0.954	pCi/L		1	1	OK
MW-36	Gross Radium Alpha	0.953	pCi/L		1	1	OK
MW-36	Toluene	1	ug/L	U	1	1	OK
MW-36	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-36	Xylenes, Total	1	ug/L	U	1	1	OK
MW-36	Sulfate	1000	mg/L		1000	1	OK
MW-36	Chloride	10	mg/L		10	1	OK
MW-36	Fluoride	0.1	mg/L		1	0.1	OK
MW-36	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-36	Acetone	20	ug/L	U	1	20	OK
MW-36	Chloroform	1	ug/L	U	1	1	OK
MW-36	Benzene	1	ug/L	U	1	1	OK
MW-36	Chloromethane	1	ug/L	U	1	1	OK
MW-36	Iron	30	ug/L	U	5	30	OK
MW-36	Lead	1	ug/L	U	5	1	OK
MW-36	Magnesium	10	mg/L		10	0.5	OK
MW-36	Manganese	10	ug/L	U	20	10	OK
MW-36	Mercury	0.5	ug/L	U	1	0.5	OK
MW-36	Molybdenum	10	ug/L	U	20	10	OK
MW-36	Nickel	20	ug/L	U	20	20	OK
MW-36	Potassium	1	mg/L		1	0.5	OK
MW-36	Silver	10	ug/L	U	20	10	OK
MW-36	Sodium	50	mg/L		50	0.5	OK
MW-36	Thallium	0.5	ug/L		5	0.5	OK
MW-36	Tin	100	ug/L	U	20	100	OK
MW-36	Arsenic	5	ug/L	U	20	5	OK
MW-36	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-36	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-36	Chromium	25	ug/L	U	20	25	OK
MW-36	Cobalt	10	ug/L	U	20	10	OK
MW-36	Copper	10	ug/L	U	20	10	OK
MW-36	Uranium	0.3	ug/L		2	0.3	OK
MW-36	Vanadium	15	ug/L	U	1	15	OK
MW-36	Zinc	10	ug/L	U	20	10	OK
MW-36	Calcium	50	mg/L		50	0.5	OK
MW-36	Methylene chloride	1	ug/L	U	1	1	OK
MW-36	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-36	Selenium	5	ug/L		20	5	OK
MW-36	2-Butanone	20	ug/L	U	1	20	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-36	Naphthalene	1	ug/L	U	1	1	OK
MW-36	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-36	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-36	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-36	Total Dissolved Solids	20	MG/L		2	10	OK
MW-37	Gross Radium Alpha	0.552	pCi/L	U	1	1	OK
MW-37	Toluene	1	ug/L	U	1	1	OK
MW-37	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-37	Xylenes, Total	1	ug/L	U	1	1	OK
MW-37	Sulfate	1000	mg/L		1000	1	OK
MW-37	Chloride	10	mg/L		10	1	OK
MW-37	Fluoride	0.1	mg/L		1	0.1	OK
MW-37	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-37	Acetone	20	ug/L	U	1	20	OK
MW-37	Chloroform	1	ug/L	U	1	1	OK
MW-37	Benzene	1	ug/L	U	1	1	OK
MW-37	Chloromethane	1	ug/L	U	1	1	OK
MW-37	Iron	30	ug/L	U	5	30	OK
MW-37	Lead	1	ug/L	U	5	1	OK
MW-37	Magnesium	50	mg/L		50	0.5	OK
MW-37	Manganese	10	ug/L	U	20	10	OK
MW-37	Mercury	0.5	ug/L	U	1	0.5	OK
MW-37	Molybdenum	10	ug/L	U	20	10	OK
MW-37	Nickel	20	ug/L	U	20	20	OK
MW-37	Potassium	2	mg/L		2	0.5	OK
MW-37	Silver	10	ug/L	U	20	10	OK
MW-37	Sodium	50	mg/L		50	0.5	OK
MW-37	Thallium	0.5	ug/L		5	0.5	OK
MW-37	Tin	100	ug/L	U	20	100	OK
MW-37	Arsenic	5	ug/L	U	20	5	OK
MW-37	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-37	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-37	Chromium	25	ug/L	U	20	25	OK
MW-37	Cobalt	10	ug/L	U	20	10	OK
MW-37	Copper	10	ug/L	U	20	10	OK
MW-37	Uranium	0.3	ug/L		2	0.3	OK
MW-37	Vanadium	15	ug/L	U	1	15	OK
MW-37	Zinc	10	ug/L		20	10	OK
MW-37	Calcium	50	mg/L		50	0.5	OK
MW-37	Methylene chloride	1	ug/L	U	1	1	OK
MW-37	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-37	Selenium	5	ug/L		20	5	OK
MW-37	2-Butanone	20	ug/L	U	1	20	OK
MW-37	Naphthalene	1	ug/L	U	1	1	OK
MW-37	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-37	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-37	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-37	Total Dissolved Solids	20	MG/L		2	10	OK
MW-65	Gross Radium Alpha	0.991	pCi/L	U	1	1	OK
MW-65	Toluene	1	ug/L	U	1	1	OK
MW-65	Tetrahydrofuran	1	ug/L	U	1	1	OK
MW-65	Xylenes, Total	1	ug/L	U	1	1	OK
MW-65	Sulfate	100	mg/L		100	1	OK
MW-65	Chloride	100	mg/L		100	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-65	Fluoride	0.1	mg/L		1	0.1	OK
MW-65	Carbon tetrachloride	1	ug/L	U	1	1	OK
MW-65	Acetone	20	ug/L	U	1	20	OK
MW-65	Chloroform	1	ug/L	U	1	1	OK
MW-65	Benzene	1	ug/L	U	1	1	OK
MW-65	Chloromethane	1	ug/L	U	1	1	OK
MW-65	Iron	30	ug/L	U	5	30	OK
MW-65	Lead	1	ug/L	U	5	1	OK
MW-65	Magnesium	10	mg/L		10	0.5	OK
MW-65	Manganese	10	ug/L		20	10	OK
MW-65	Mercury	0.5	ug/L	U	1	0.5	OK
MW-65	Molybdenum	10	ug/L	U	20	10	OK
MW-65	Nickel	20	ug/L	U	20	20	OK
MW-65	Potassium	1	mg/L		1	0.5	OK
MW-65	Silver	10	ug/L	U	20	10	OK
MW-65	Sodium	10	mg/L		10	0.5	OK
MW-65	Thallium	0.5	ug/L	U	5	0.5	OK
MW-65	Tin	100	ug/L	U	20	100	OK
MW-65	Arsenic	5	ug/L	U	20	5	OK
MW-65	Beryllium	0.5	ug/L	U	5	0.5	OK
MW-65	Cadmium	0.5	ug/L	U	20	0.5	OK
MW-65	Chromium	25	ug/L	U	20	25	OK
MW-65	Cobalt	10	ug/L	U	20	10	OK
MW-65	Copper	10	ug/L	U	20	10	OK
MW-65	Uranium	0.3	ug/L		2	0.3	OK
MW-65	Vanadium	15	ug/L	U	1	15	OK
MW-65	Zinc	10	ug/L	U	20	10	OK
MW-65	Calcium	50	mg/L		50	0.5	OK
MW-65	Methylene chloride	1	ug/L	U	1	1	OK
MW-65	Ammonia (as N)	0.05	mg/L	U	1	0.05	OK
MW-65	Selenium	5	ug/L		20	5	OK
MW-65	2-Butanone	20	ug/L	U	1	20	OK
MW-65	Naphthalene	1	ug/L	U	1	1	OK
MW-65	Bicarbonate (as CaCO3)	1	mg/L		1	1	OK
MW-65	Carbonate (as CaCO3)	1	mg/L	U	1	1	OK
MW-65	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-65	Total Dissolved Solids	20	MG/L		2	10	OK
MW-70	Chloride	10	mg/L		10	1	OK
MW-70	Cadmium	0.5	ug/L		20	0.5	OK
MW-70	Uranium	0.3	ug/L		2	0.3	OK
MW-70	Vanadium	15	ug/L	U	20	15	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		10	0.1	OK
MW-26	Chloride	10	mg/L		10	1	OK
MW-26	Chloroform	100	ug/L		100	1	OK
MW-26	Uranium	0.3	ug/L		2	0.3	OK
MW-26	Methylene chloride	1	ug/L		1	1	OK
MW-26	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-30	Chloride	100	mg/L		100	1	OK
MW-30	Fluoride	0.1	mg/L		1	0.1	OK
MW-30	Uranium	0.3	ug/L		2	0.3	OK
MW-30	Selenium	5	ug/L		20	5	OK
MW-30	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-30	Chloride	100	mg/L		100	1	OK
MW-30	Fluoride	0.1	mg/L		1	0.1	OK
MW-30	Uranium	0.3	ug/L		2	0.3	OK
MW-30	Selenium	5	ug/L		20	5	OK
MW-30	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK
MW-31	Sulfate	100	mg/L		100	1	OK
MW-31	Chloride	100	mg/L		100	1	OK
MW-31	Selenium	5	ug/L		20	5	OK
MW-31	Nitrate/Nitrite (as N)	0.1	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)	0.1	mg/L		10	0.1	OK
MW-31	Total Dissolved Solids	20	mg/L		2	10	OK
MW-35	Manganese	10	ug/L		20	10	OK
MW-35	Thallium	0.5	ug/L	U	5	0.5	OK
MW-35	Uranium	0.3	ug/L		2	0.3	OK
MW-35	Selenium	5	ug/L		20	5	OK
MW-35	Gross Radium Alpha	1	pCi/L		1	1	OK
MW-35	Manganese	10	ug/L		20	10	OK
MW-35	Thallium	0.5	ug/L	U	5	0.5	OK
MW-35	Uranium	0.3	ug/L		2	0.3	OK
MW-35	Selenium	5	ug/L		20	5	OK
MW-35	Gross Radium Alpha	1	pCi/L		1	1	OK
MW-65	Manganese	10	ug/L		20	10	OK
MW-65	Thallium	0.5	ug/L	U	5	0.5	OK

G-5B Accelerated Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-65	Uranium	0.3	ug/L		2	0.3	OK
MW-65	Selenium	5	ug/L		20	5	OK
MW-65	Gross Radium Alpha	1	pCi/L		1	1	OK
MW-65	Chloride	100	mg/L		100	1	OK
MW-65	Fluoride	0.1	mg/L		1	0.1	OK
MW-65	Uranium	0.3	ug/L		2	0.3	OK
MW-65	Selenium	5	ug/L		20	5	OK
MW-65	Nitrate/Nitrite (as N)	0.1	mg/L		10	0.1	OK

G-6A: Quarterly Sample Trip Blank Evaluation

All trip blanks for the Quarter were non detect.

Blank	Sample Date	Laboratory
AWAL 1608400	8/16/2016	AWAL
AWAL 1609477	9/21/2016	AWAL

G-6B: Accelerated Sample Trip Blank Evaluation

All trip blanks for the Accelerated samples were non detect.

Blank	Sample Date	Laboratory
AWAL 1607239	7/14/2016	AWAL
AWAL 1609325	9/15/2016	AWAL

G-7A: QA/QC Evaluation for Quarterly Sample Duplicates

Constituent	MW-30 8/18/16	MW-65 8/18/16	%RPD
Calcium (mg/L)	269	266	1.12
Magnesium (mg/L)	73.6	75	1.75
Manganese (mg/L)	0.014	0.0145	3.51
Potassium (mg/L)	6.52	6.61	1.37
Selenium (mg/L)	0.0431	0.0438	1.61
Sodium (mg/L)	110	105	4.65
Uranium (mg/L)	0.00823	0.0082	0.12
Constituent	**MW-28 9/1/16**	**MW-70 9/1/16**	**%RPD**
Cadmium (mg/L)	0.00514	0.00503	2.16
Chloride (mg/L)	127	137	7.58
Uranium (mg/L)	0.00471	0.00481	2.10

Per the approved QAP, an RPD greater than 20% is acceptable if the reported results are less than 5 times the RL. These results are provided for information only.

G-7B: QA/QC Evaluation for Accelerated Sample Duplicates

Constituent	MW-35 7/12/16	MW-65 7/12/16	%RPD*
Manganese (mg/L)	0.210	0.219	4.20
Selenium (mg/L)	0.0086	0.0087	1.16
Thallium	<0.0005	<0.0005	NC
Uranium (mg/L)	0.0215	0.0215	0.00
Radiologic RPD Tests			
Gross Alpha minus Rn & U	3.64	2.89	0.94
Gross Alpha minus Rn & U Precision (±)	0.585	0.537	
Constituent	**MW-30 9/14/16**	**MW-65 9/14/16**	**%RPD**
Chloride (mg/L)	146	144	1.38
Fluoride	0.368	0.340	7.91
Nitrate + Nitrite (as N)	17.0	16.9	0.59
Selenium (mg/L)	43.0	42.6	0.93
Uranium (mg/L)	8.22	8.02	2.46

* 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	0.176	NC	1	NC
MW-11	1.00 U	0.193	NC	3.75	NC
MW-14	1.00 U	0.307	NC	7.5	NC
MW-25	1.00 U	0.312	NC	7.5	NC
MW-26	1.64	0.392	N	4.69	Y
MW-27	1.00 U	0.261	NC	2	NC
MW-30	1.00 U	0.325	NC	3.75	NC
MW-31	1.00 U	0.298	NC	7.5	NC
MW-32	2.56	0.449	Y	3.33	Y
MW-35	2.56	0.443	Y	3.75	Y
MW-36	1.16	0.354	NC	--	
MW-37	1.00 U	0.159	NC	--	
MW-65	1.00 U	0.271	NC	3.75	NC

GWCLs have not been established for MW-20, MW-22, MW-36, and MW-37.

N/A - the counting error is less than 20% of the activity as required by the GWDP. The value is above the GWCL and this check column is not applicable.

NC = Not calculated. The sample results are nondetect and the check is not applicable.

G-8B: Radiologics Counting Error for Accelerated Samples

Well	Sample Date	Gross Alpha minus Rn & U	Gross Alpha minus Rn and U Precision (+/-)	Counting Error ≤ 20%	GWCL	Within GWCL?
MW-35	9/13/2016	3.68	0.277	Y	3.75	N/A
MW-35	7/12/2016	3.64	0.585	Y	3.75	N/A
MW-65	7/12/2016	2.89	0.537	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
1608400	MW-11	Sodium*	NC	NC	70-130	NC	20
1609036	NA	Uranium	NC	NC	75-125	NC	20
1609036	NA	Cadmium	NC	NC	75-125	NC	20
1609477	MW-37	Sodium*	NC	NC	70-130	NC	20
1609477	MW-37	Calcium*	NC	NC	70-130	NC	20
1609477	MW-37	Magnesium*	NC	NC	70-130	NC	20
1609477	MW-37	Ammonia as (N)	135	128	90-110	5.22	10
404304	MW-35	Gross Alpha	63	49.1	75 - 125	24.8	20

* Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike amount
NA: QC was not performed on an EFRI sample.

Method Blank Detections
All Method Blanks for the quarter were non-detect.

Laboratory Control Sample
All Laboratory Control Samples were within acceptance limits for the quarter.

Laboratory Duplicate % Recovery Comparison

Lab Report	Well	Analyte	Sample Result (mg/L)	Lab Duplicate Result (mg/L)	RPD %	RPD Range %
1609477	MW-37	Total Dissolved Solids	3780	4000	5.55	5
406684	MW-35	Gross Alpha	3.68	2.55	36.2	20

G-9B: Accelerated Laboratory Matrix QC

Matrix Spike % Recovery Comparison
All Matrix Spike Samples were within acceptance limits for the quarter.

Laboratory Duplicate % Recovery Comparison

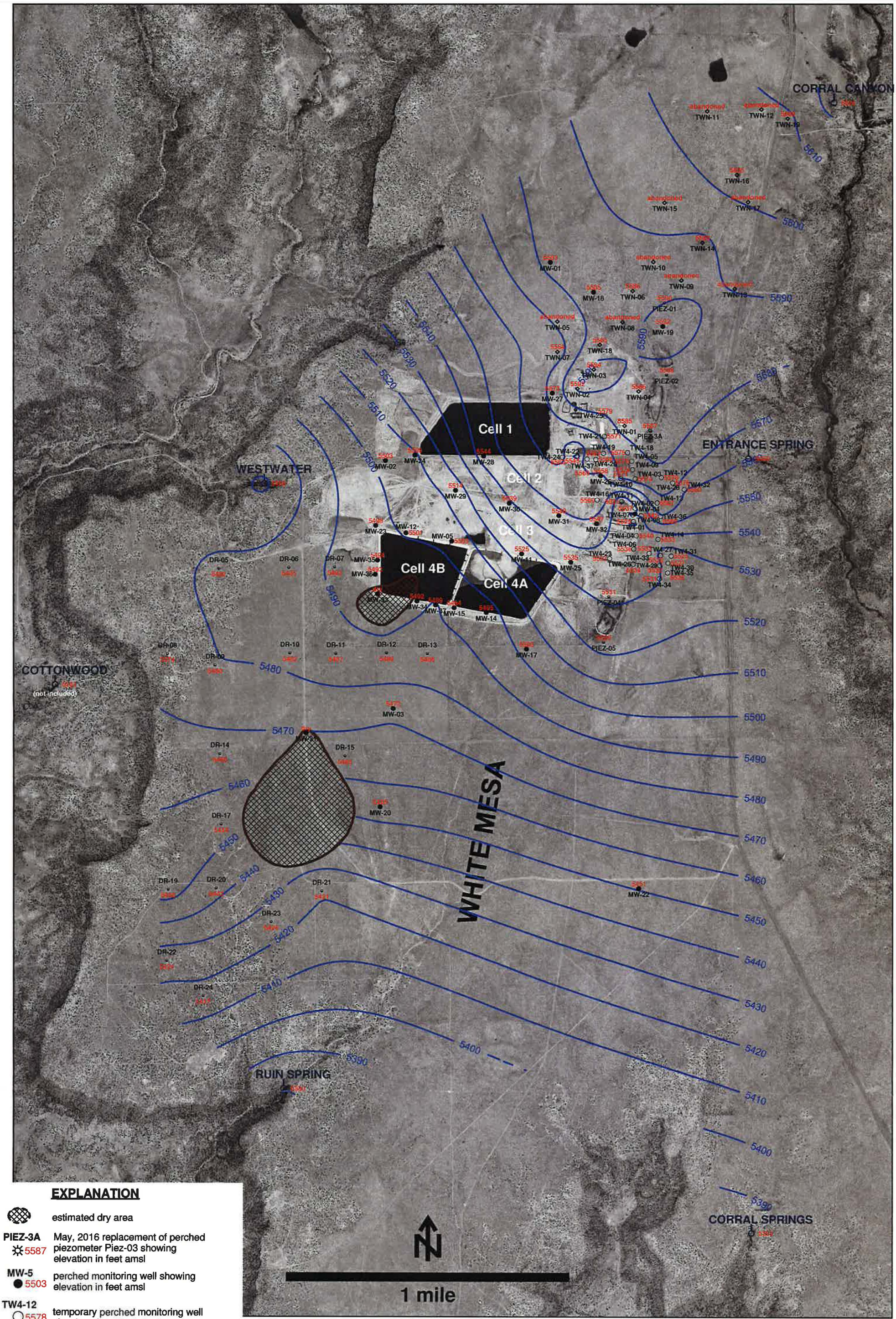
Lab Report	Well	Analyte	Sample Result (mg/L)	Lab Duplicate Result (mg/L)	RPD %	RPD Range %
1609325 - September Accelerated	MW-31	Total Dissolved Solids	1660	1570	5.69	5
406063	MW-35	Gross Alpha	3.68	2.55	36.2	20

Method Blank Detections
All Method Blanks for the quarter were non-detect.

Laboratory Control Sample
All Laboratory Control Samples were within acceptance limits for the quarter.

Tab H

Kriged Current Quarterly Groundwater Contour Map



EXPLANATION

- estimated dry area
- **PIEZ-3A** 5587 — May, 2016 replacement of perched piezometer Piez-03 showing elevation in feet amsl
- **MW-5** 5503 — perched monitoring well showing elevation in feet amsl
- **TW4-12** 5578 — temporary perched monitoring well showing elevation in feet amsl
- **TWN-7** 5564 — temporary perched nitrate monitoring well showing elevation in feet amsl
- **PIEZ-1** 5590 — perched piezometer showing elevation in feet amsl
- **RUIN SPRING** 5380 — seep or spring showing elevation in feet amsl

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11,TW4-19, TW4-20, TW4-21 and TW4-37 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells
TW4-11 water level is below the base of the Burro Canyon Formation

HYDRO GEO CHEM, INC.

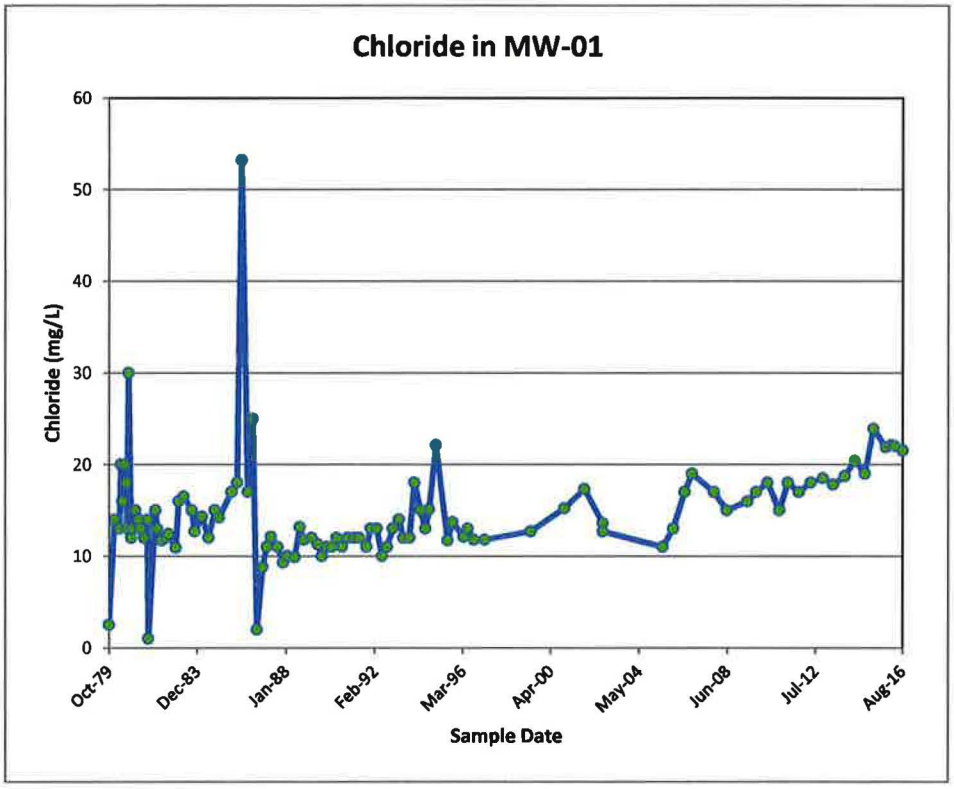
KRIGED 3rd QUARTER, 2016 WATER LEVELS WHITE MESA SITE

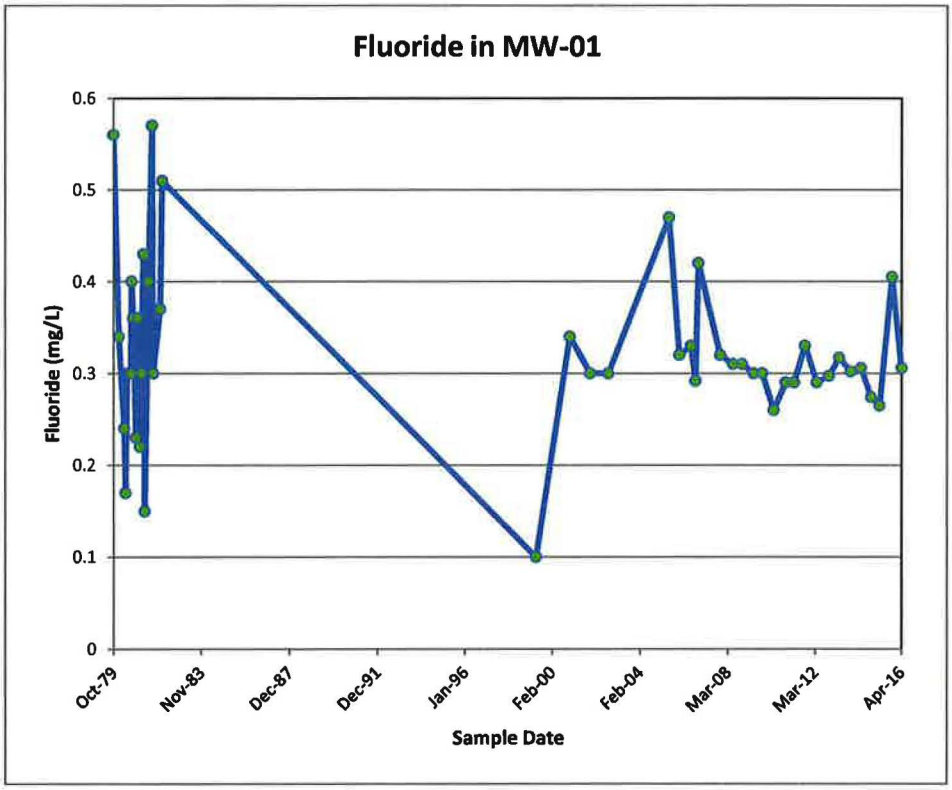
APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov16/WL/Uwl0916_rev.srf	H-1

Tab I

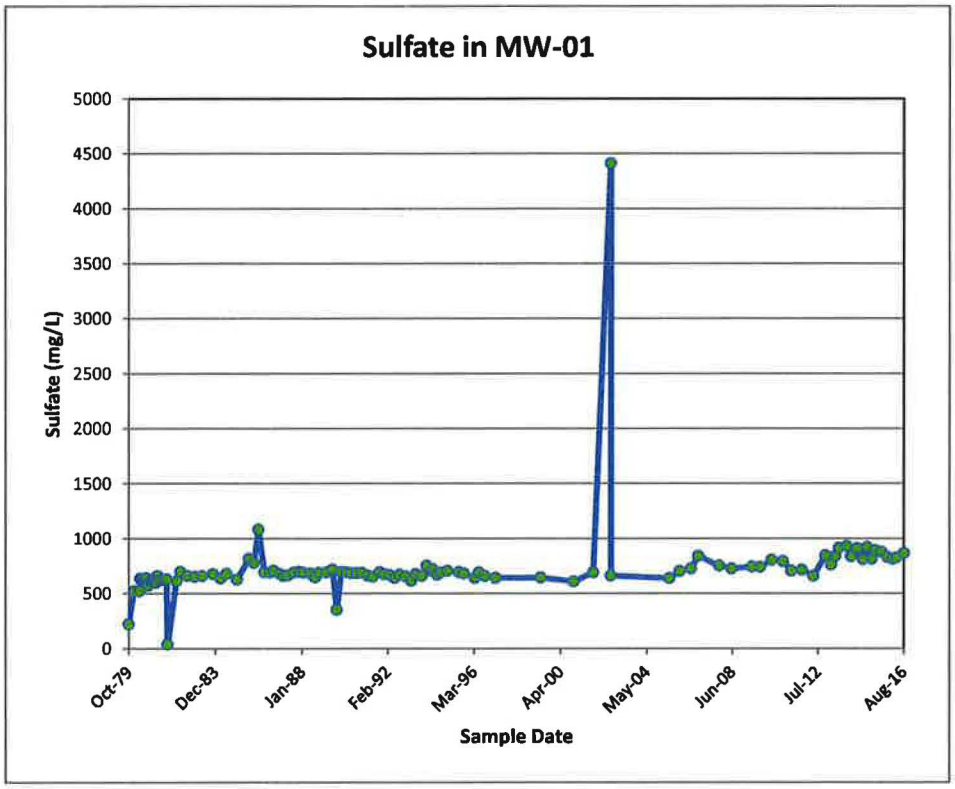
Groundwater Time Concentration Plots

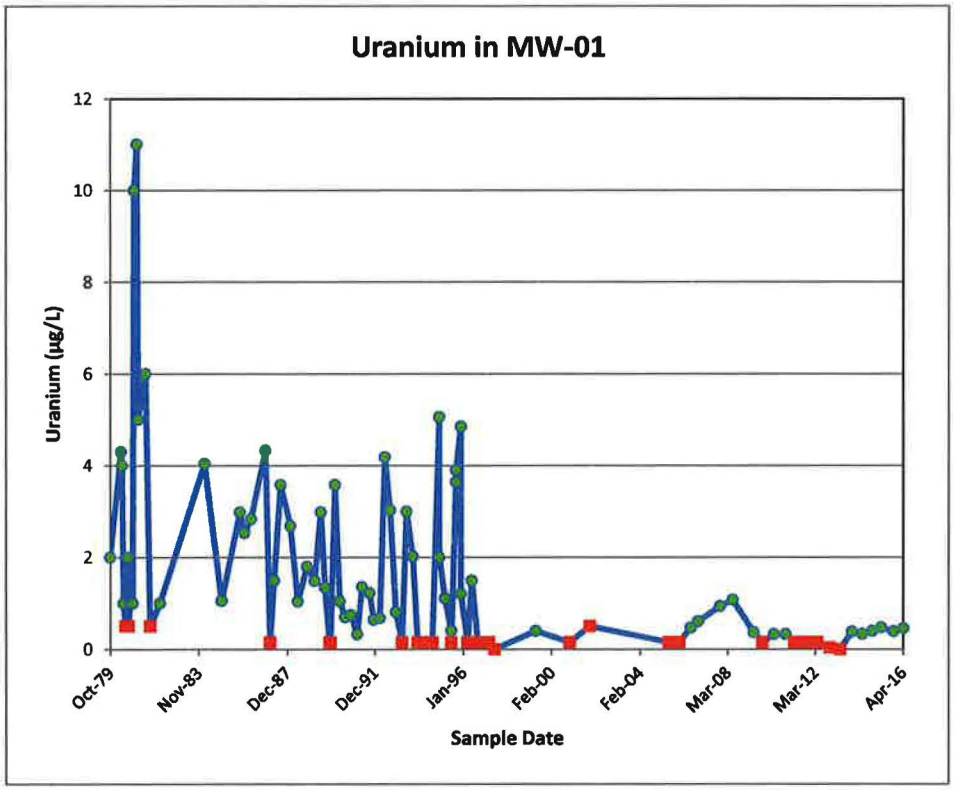
Time concentration plots for MW-01



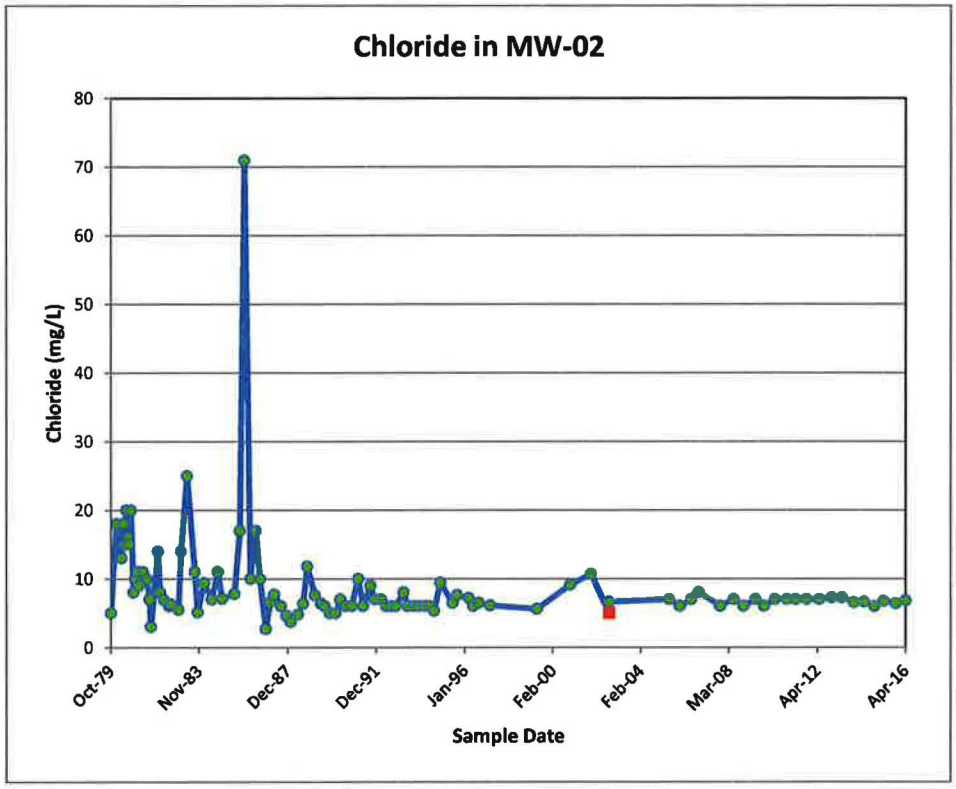


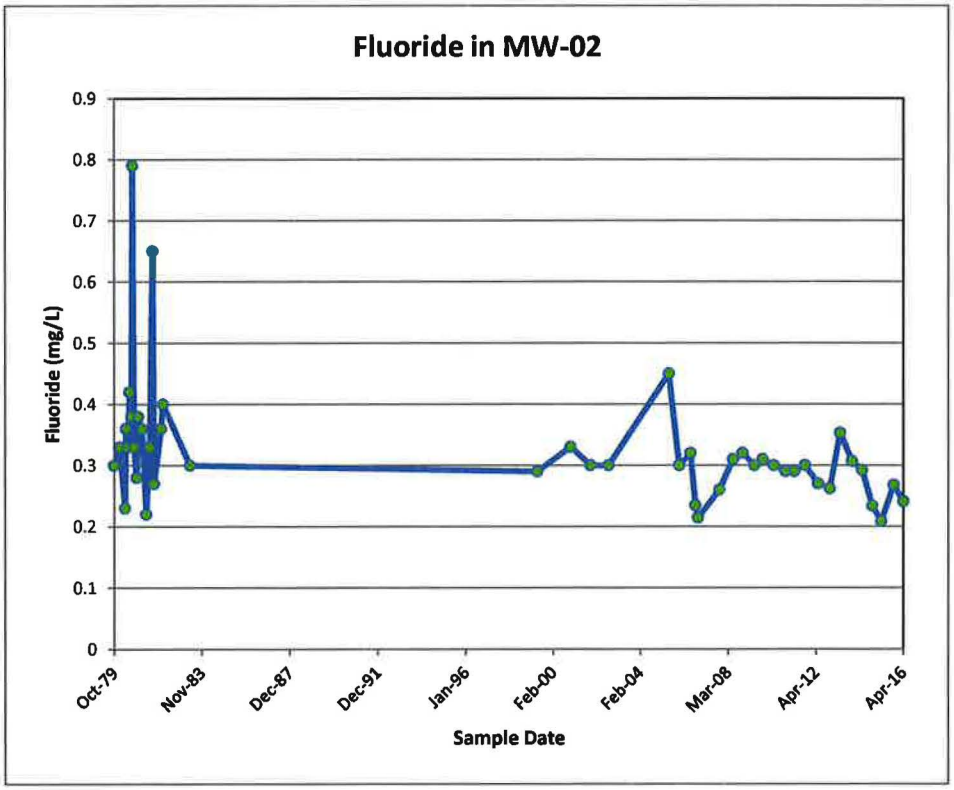
Time concentration plots for MW-01





Time concentration plots for MW-02

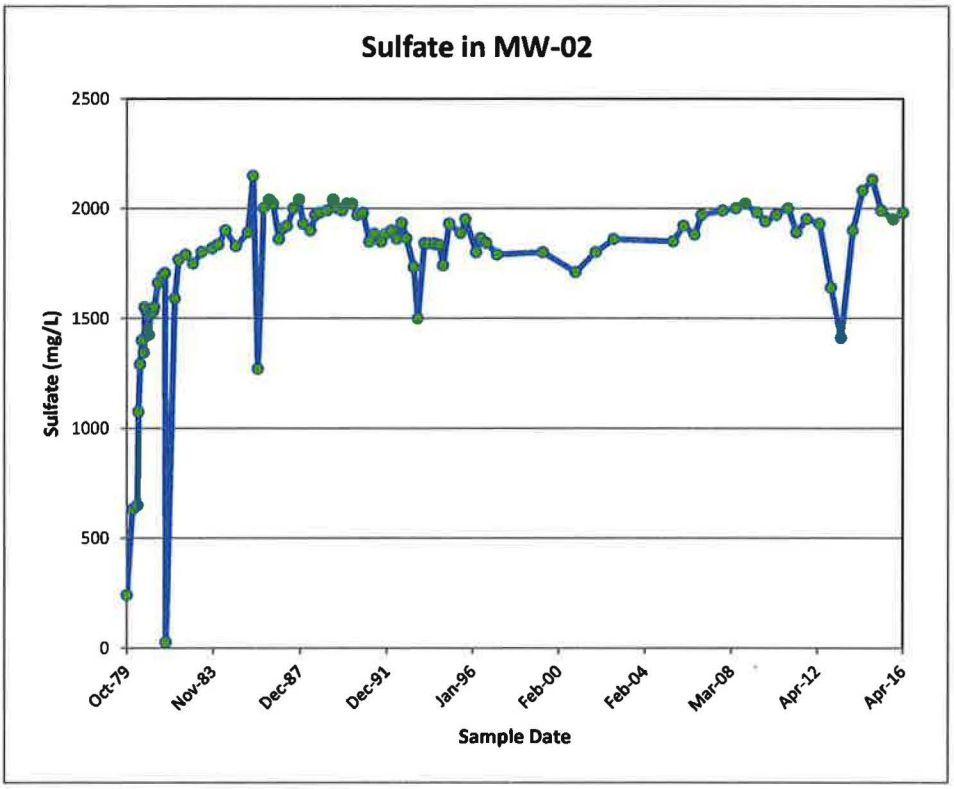


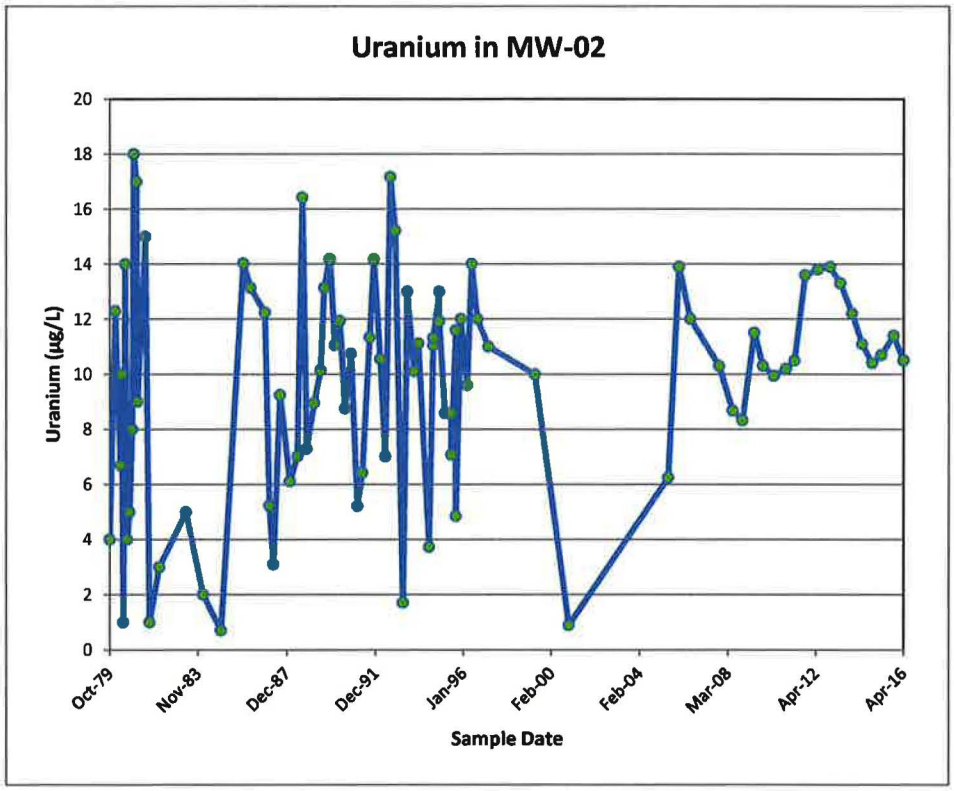


Detected Values

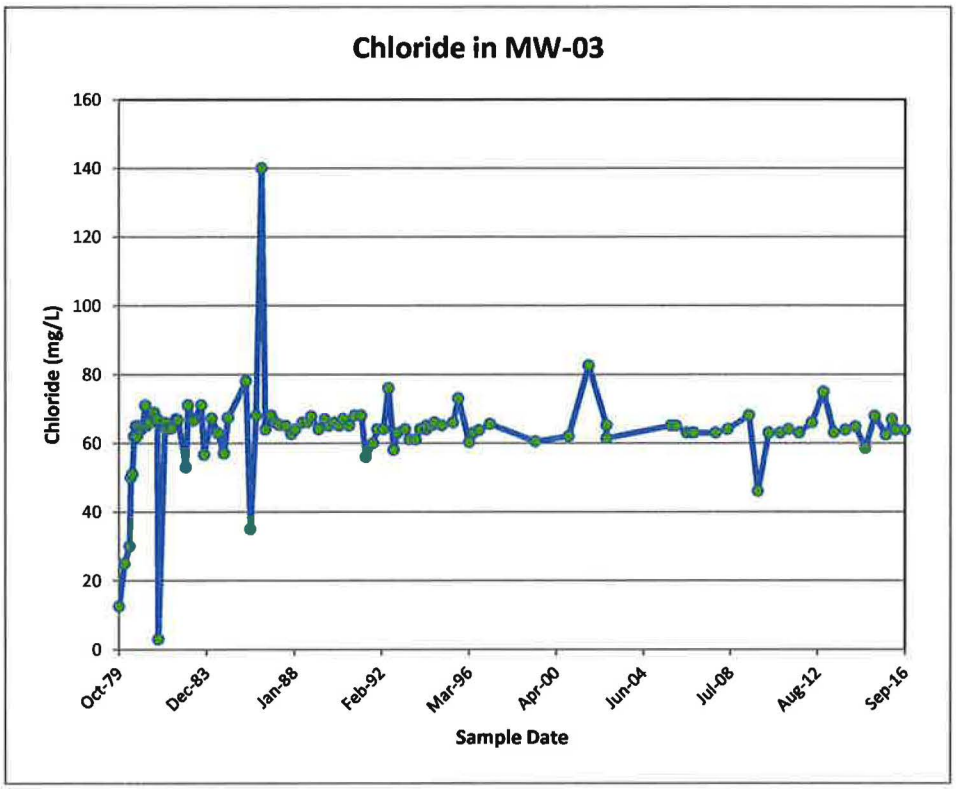
Non-Detected Values

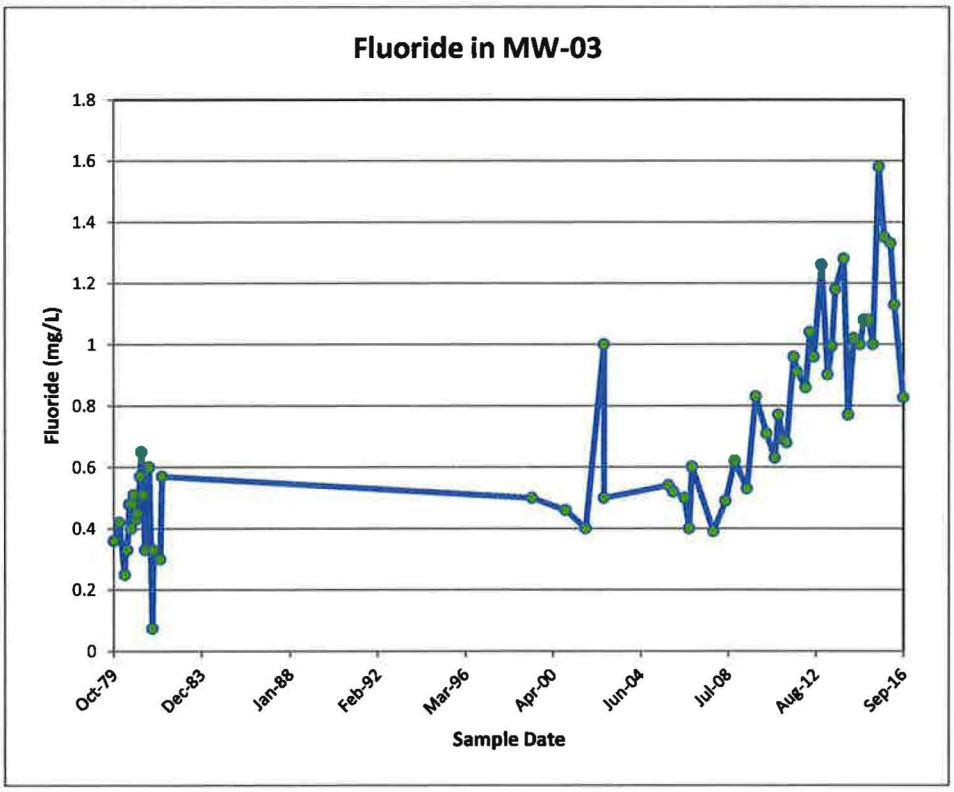
Time concentration plots for MW-02



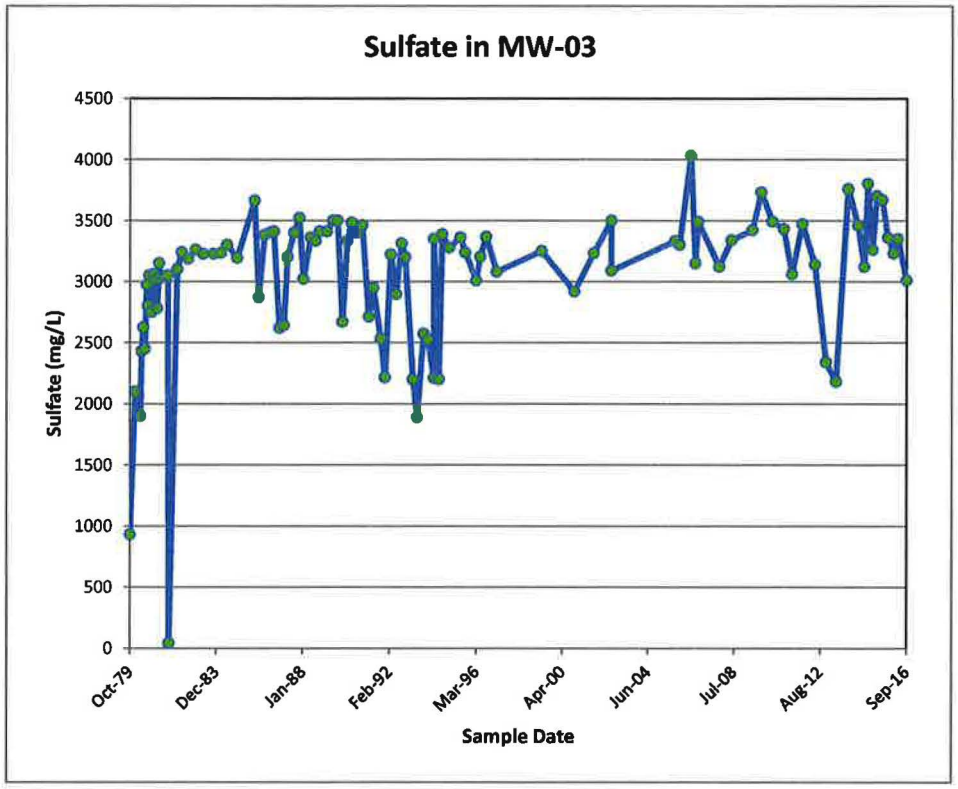


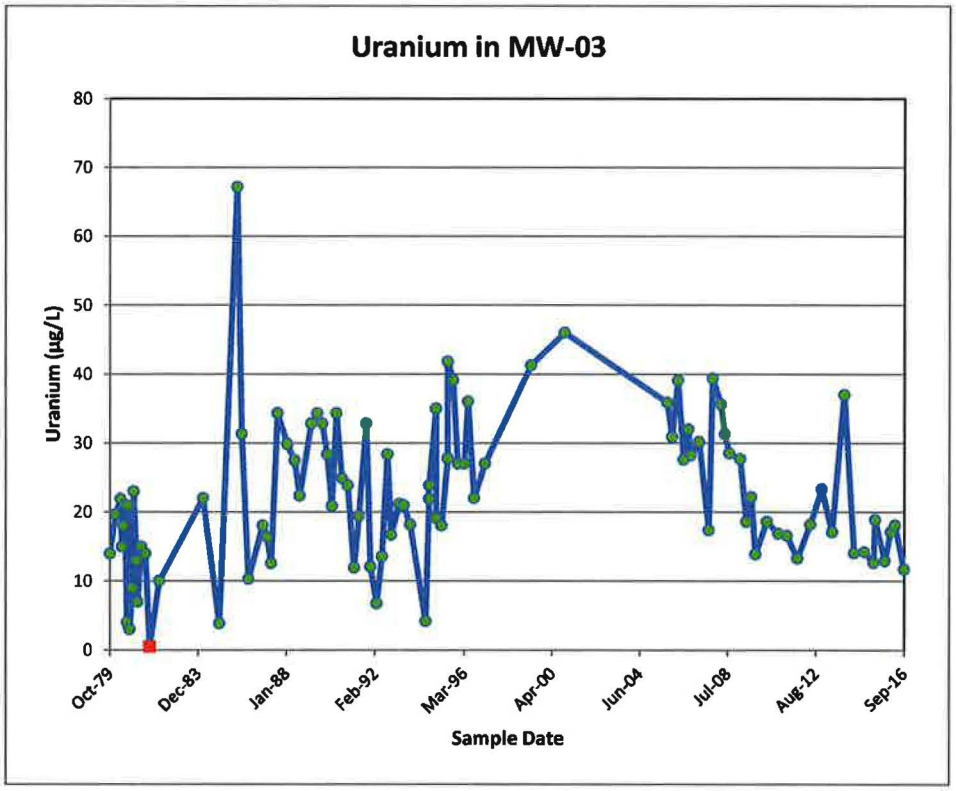
Time concentration plots for MW-03





Time concentration plots for MW-03

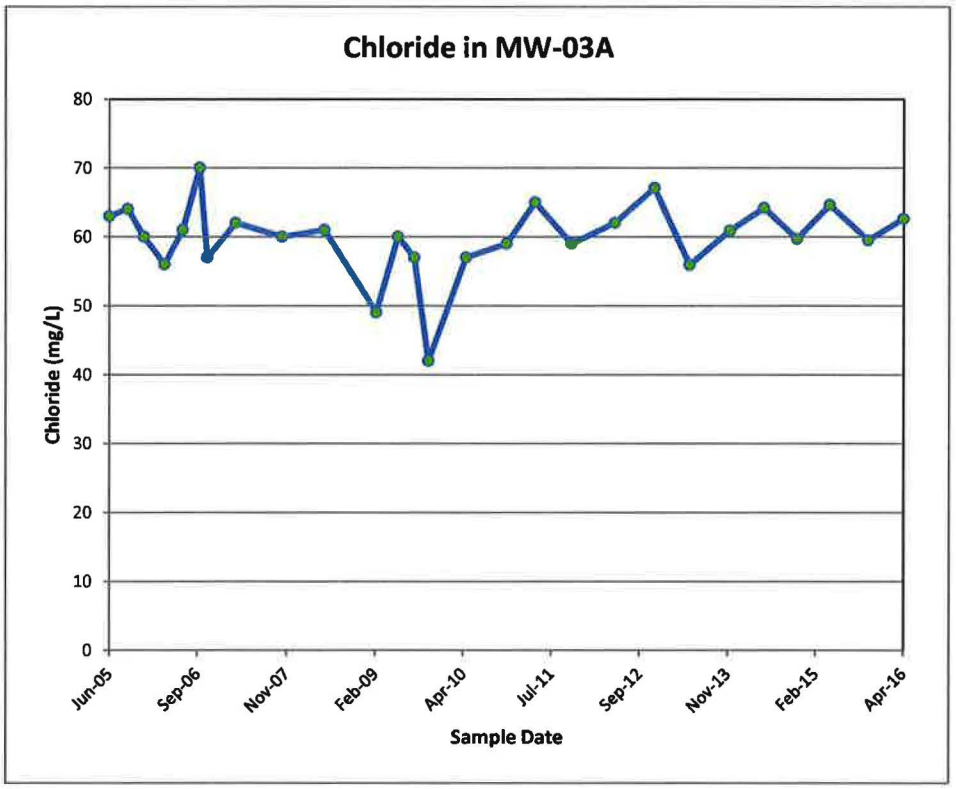


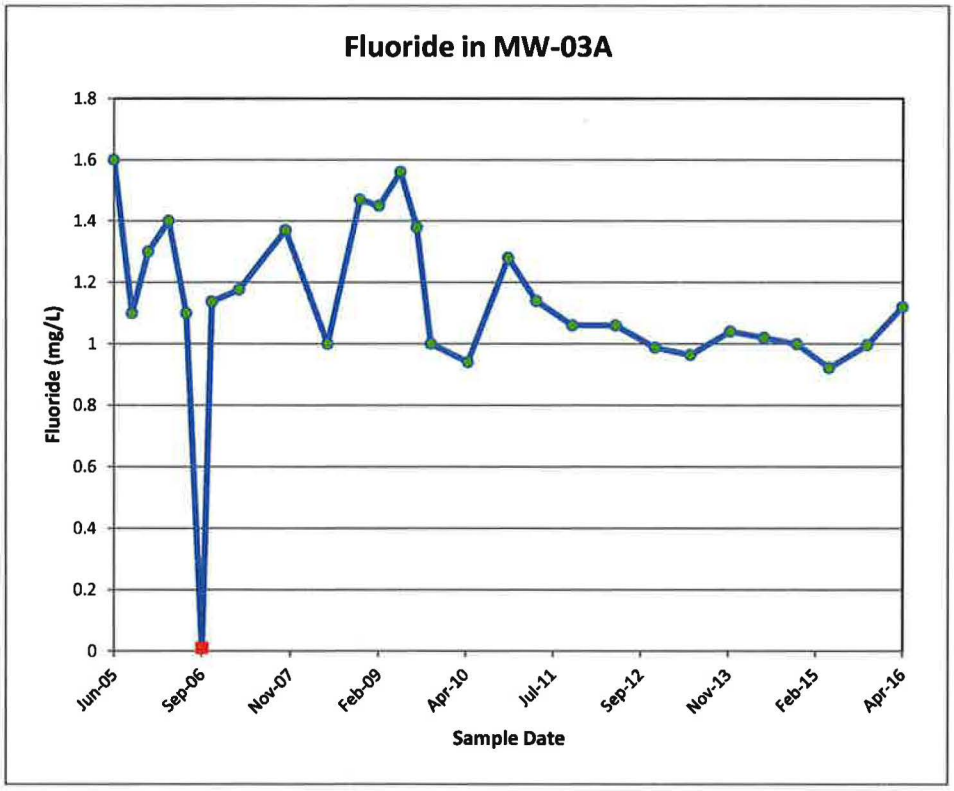


Detected Values

Non-Detected Values

Time concentration plots for MW-03A

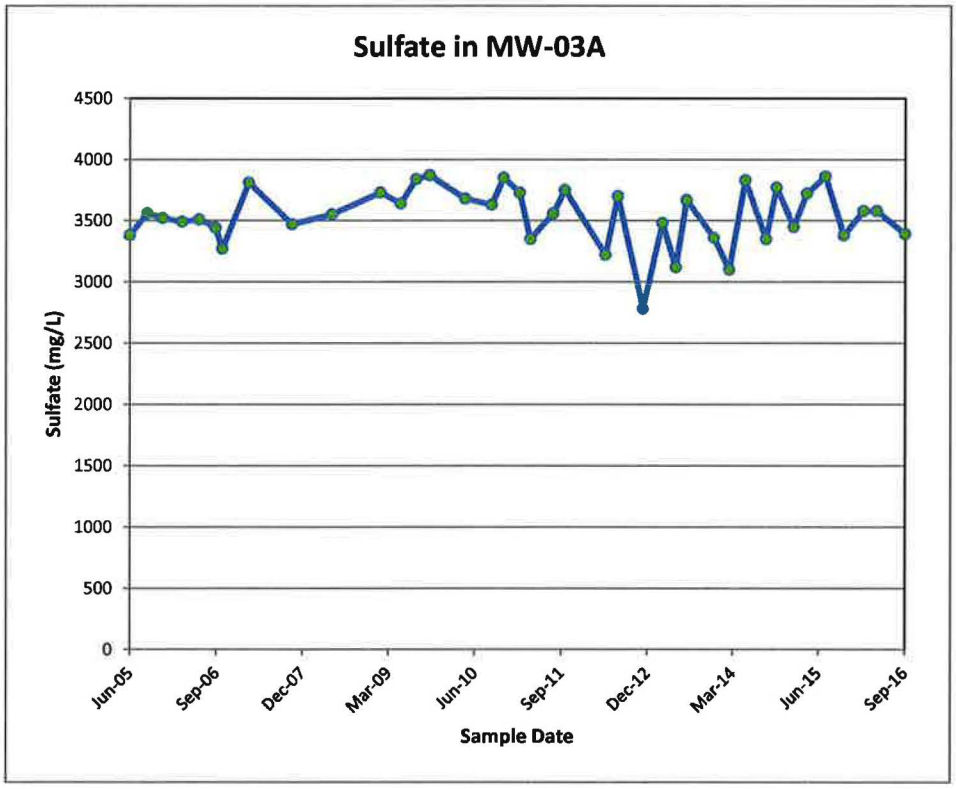


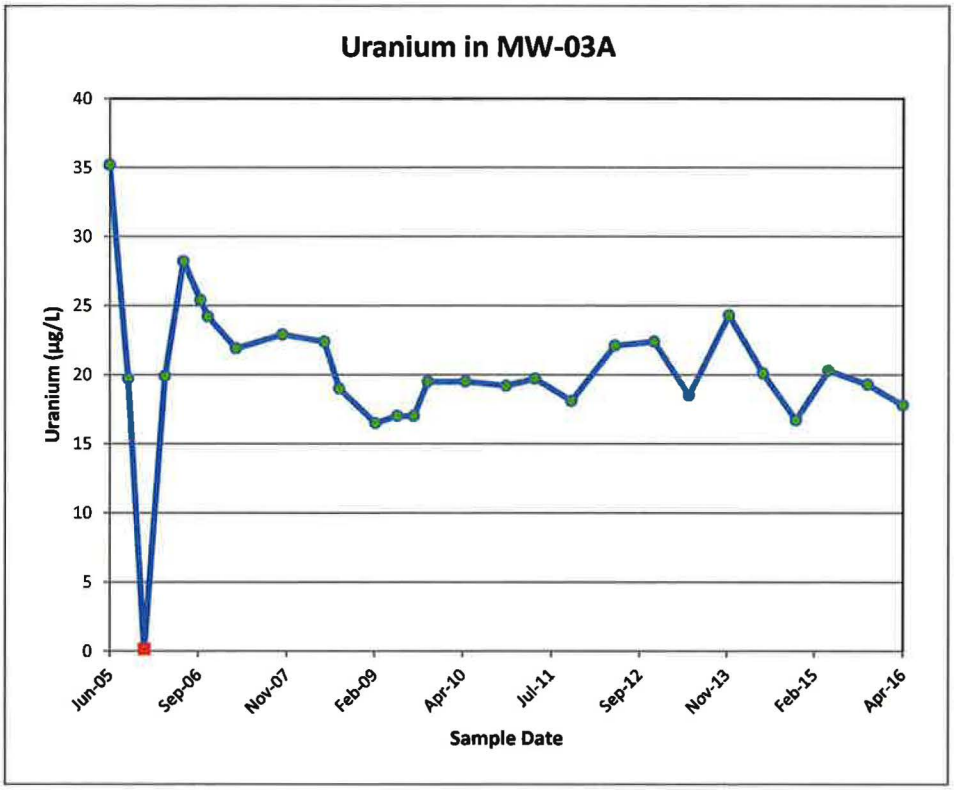


Detected Values

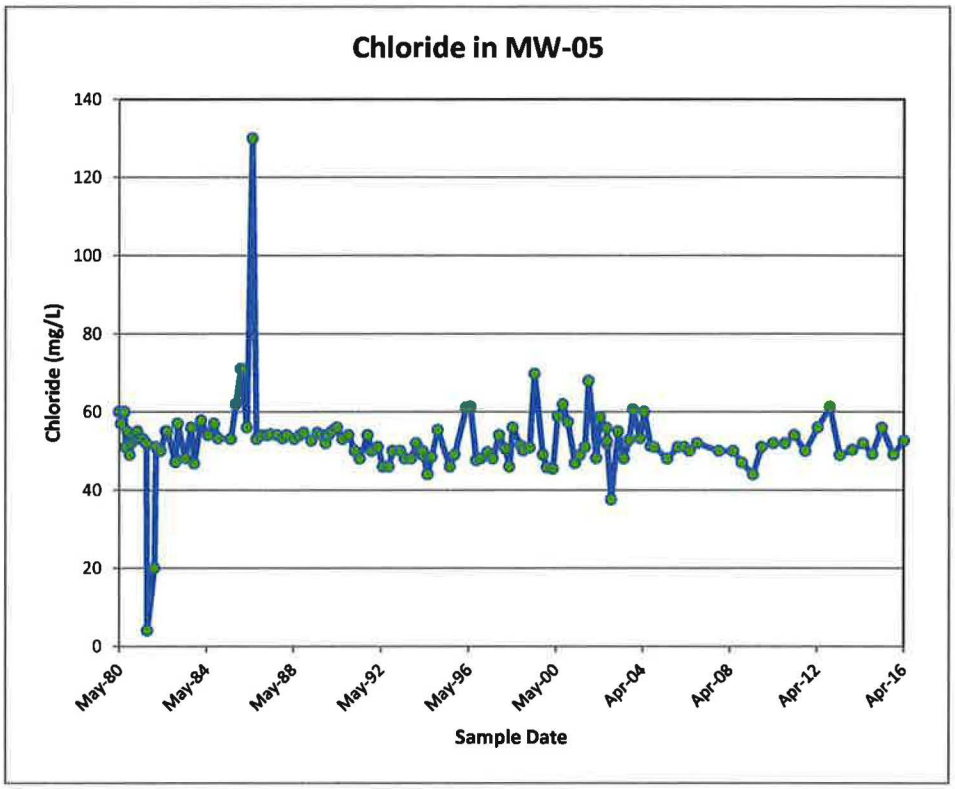
Non-Detected Values

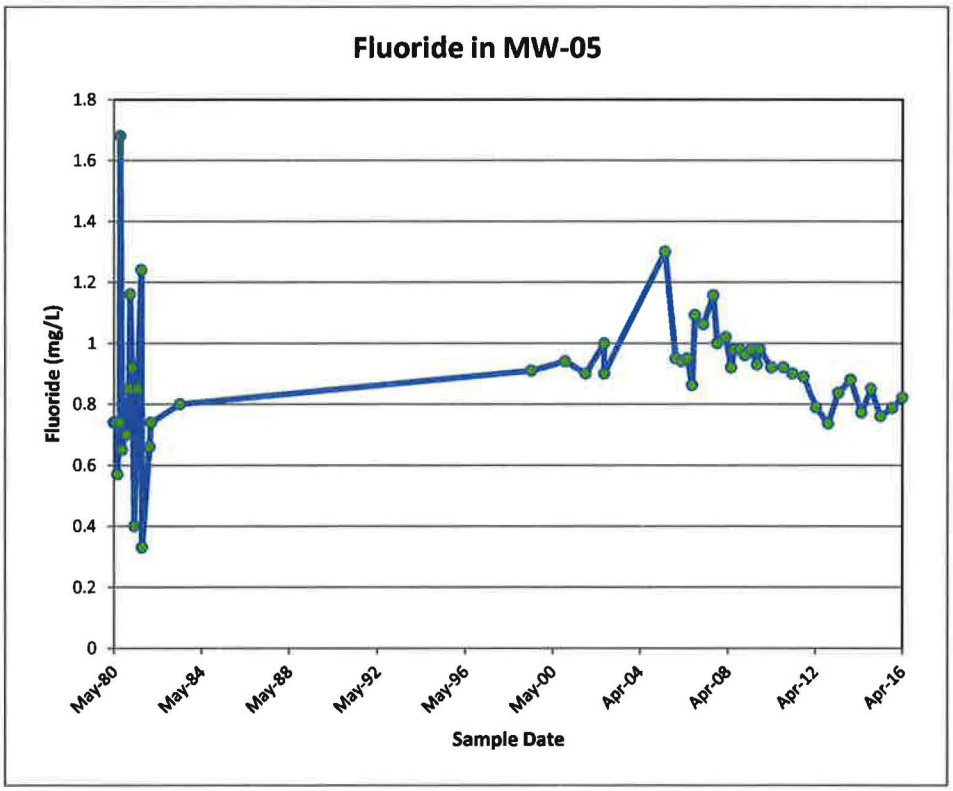
Time concentration plots for MW-03A



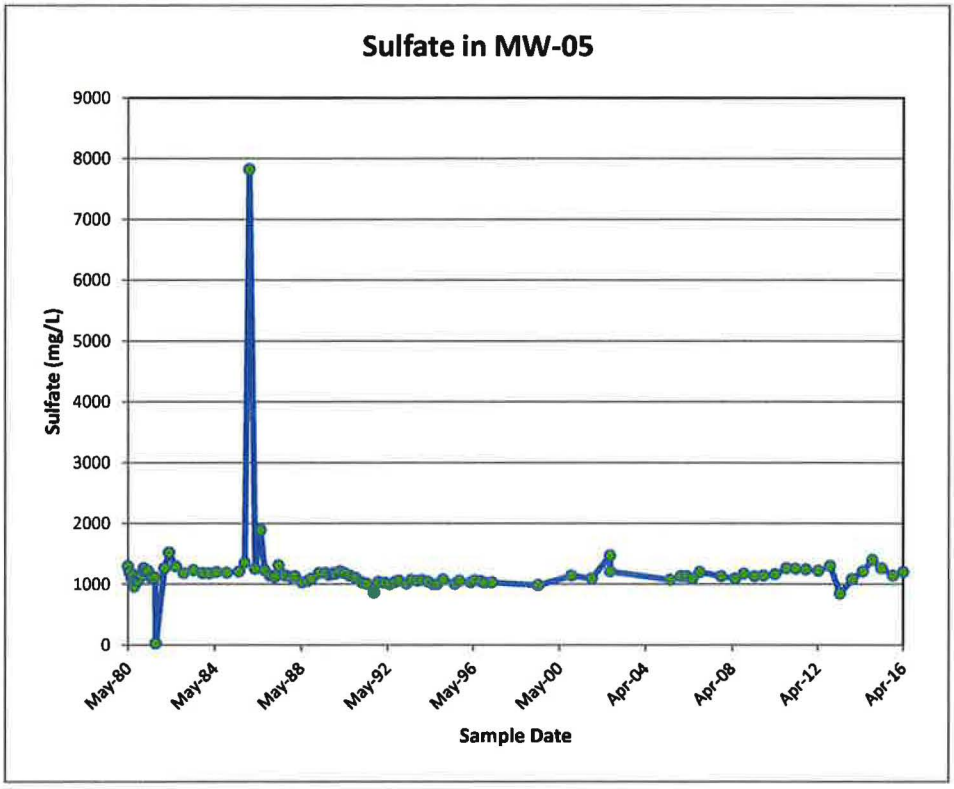


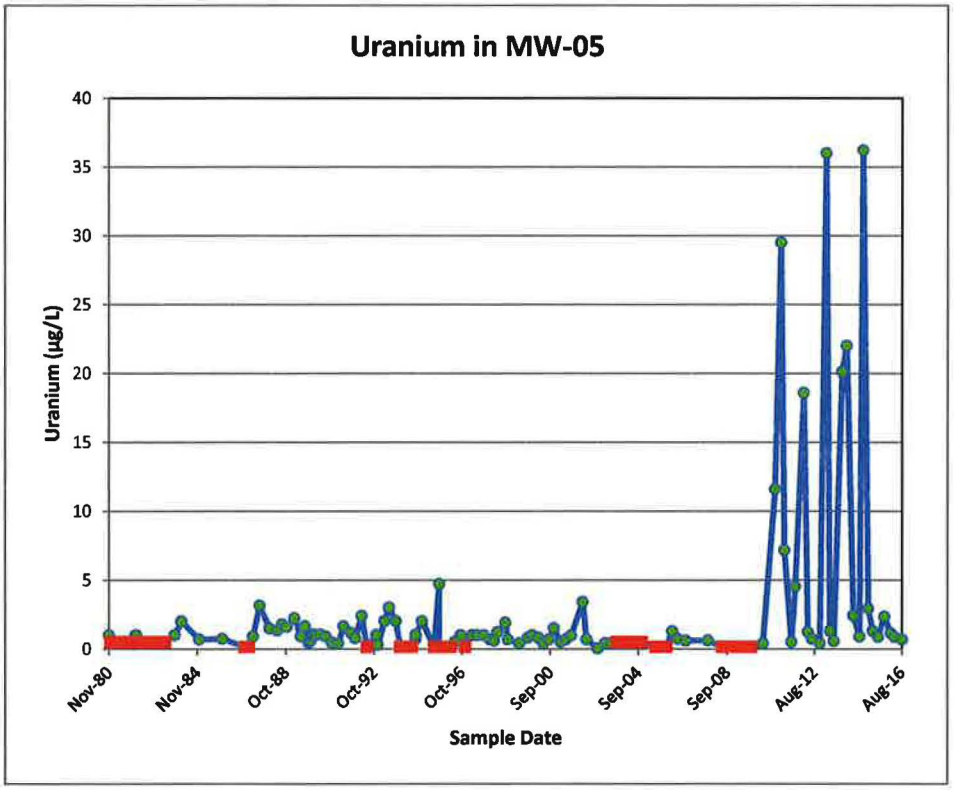
Time concentration plots for MW-05



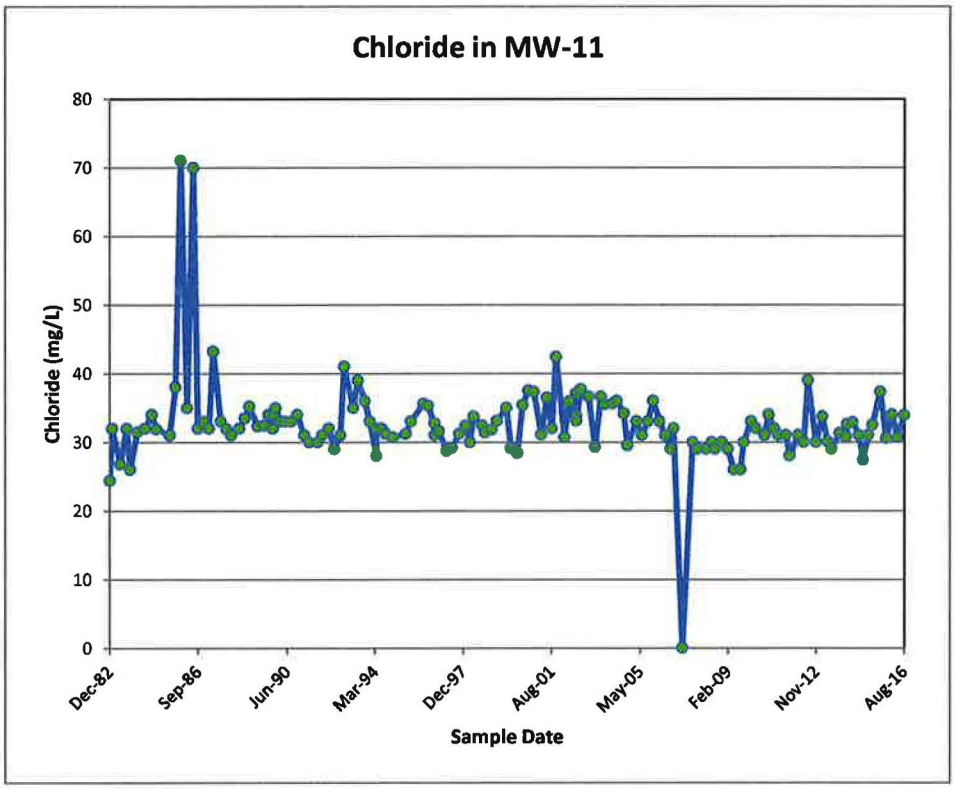


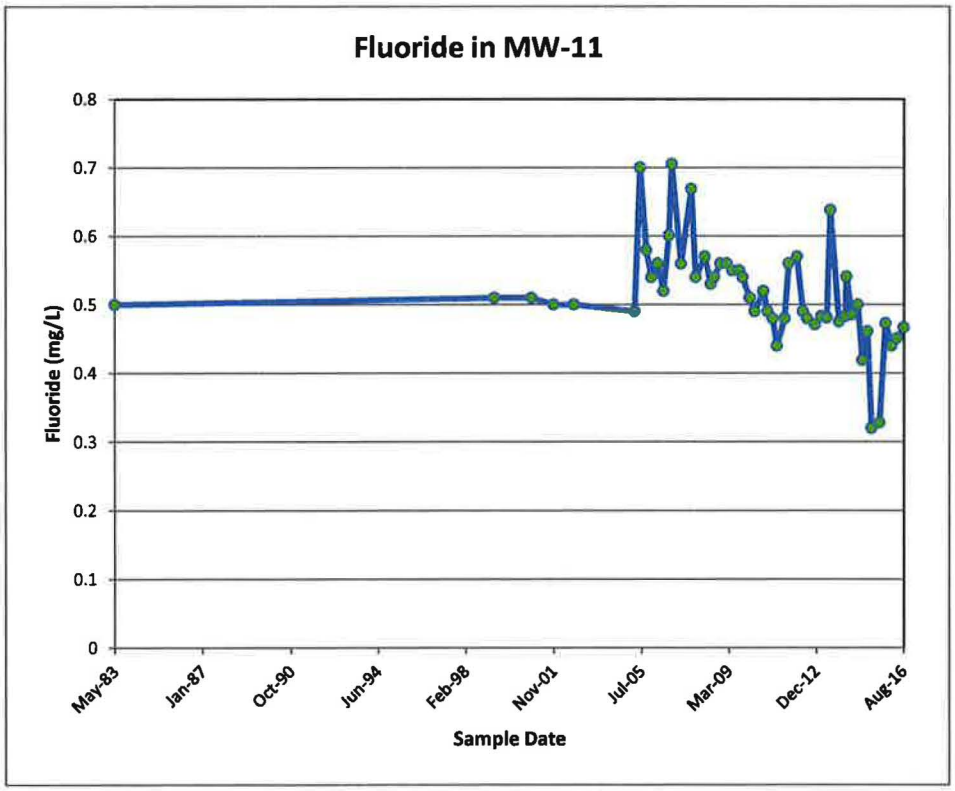
Time concentration plots for MW-05





Time concentration plots for MW-11

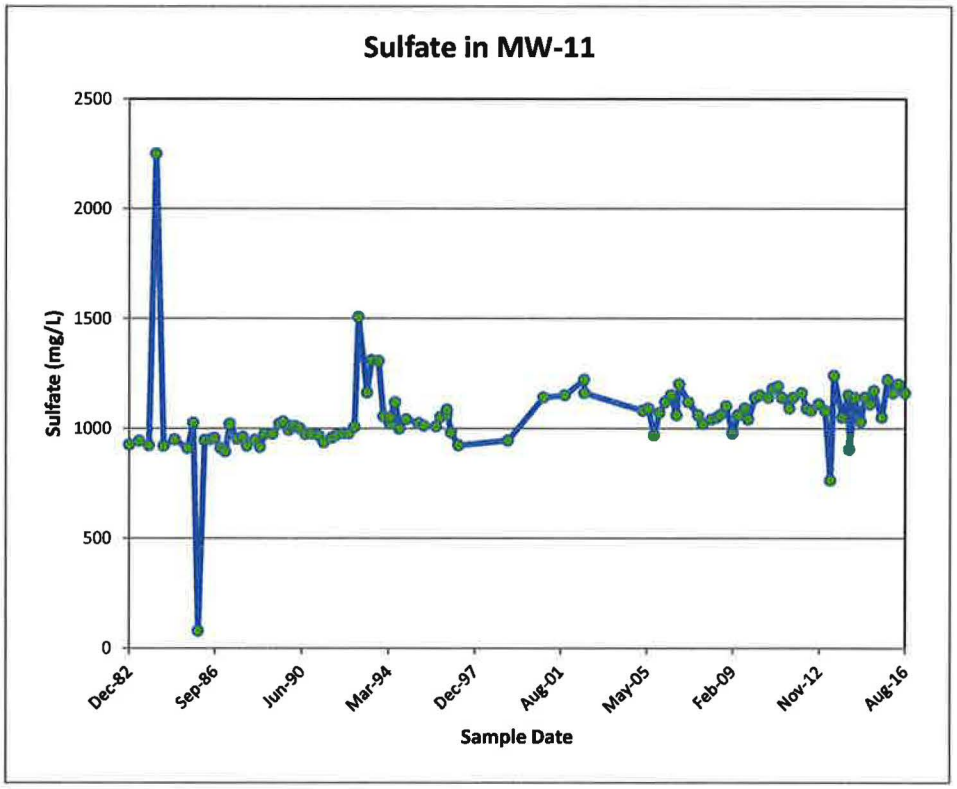


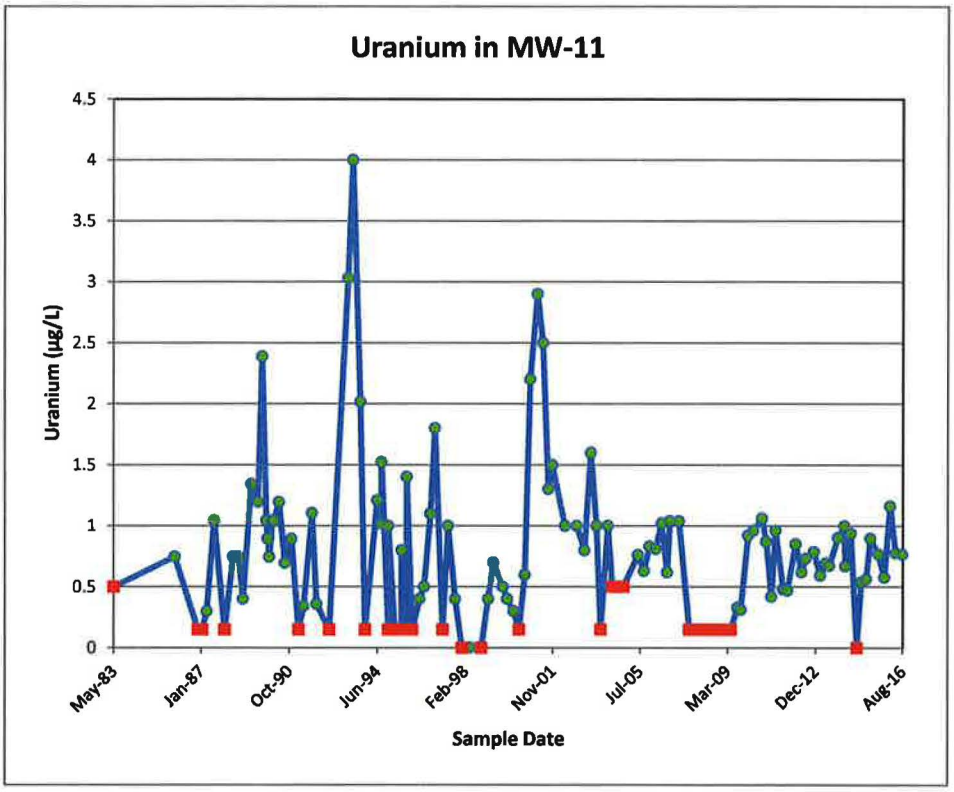


Detected Values

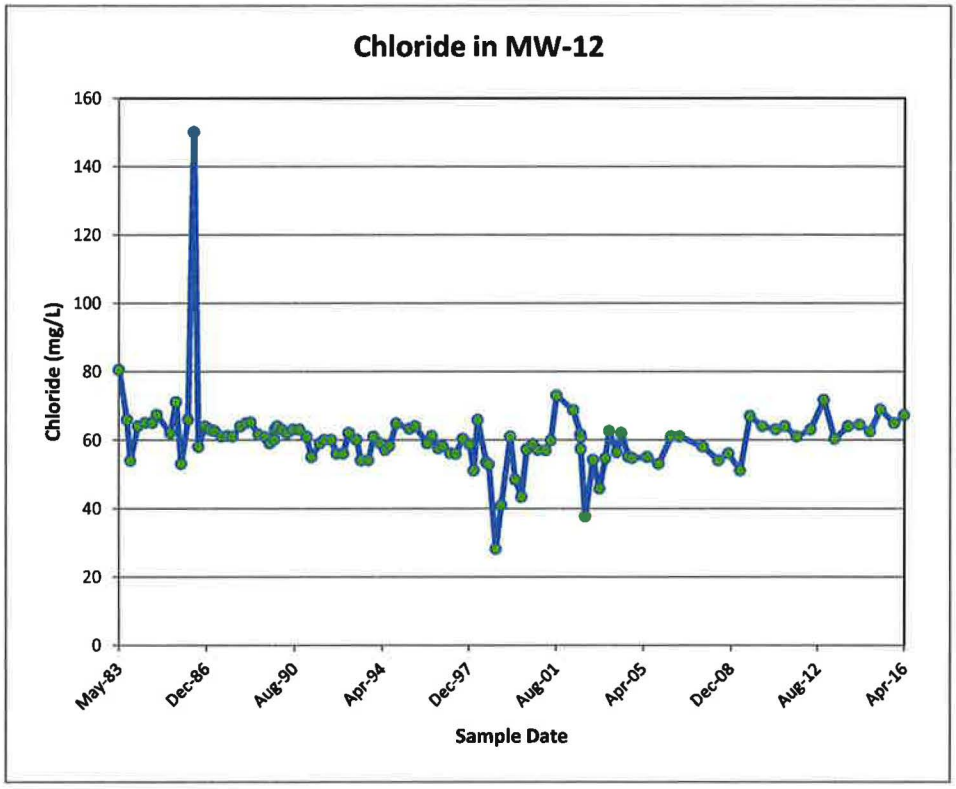
Non-Detected Values

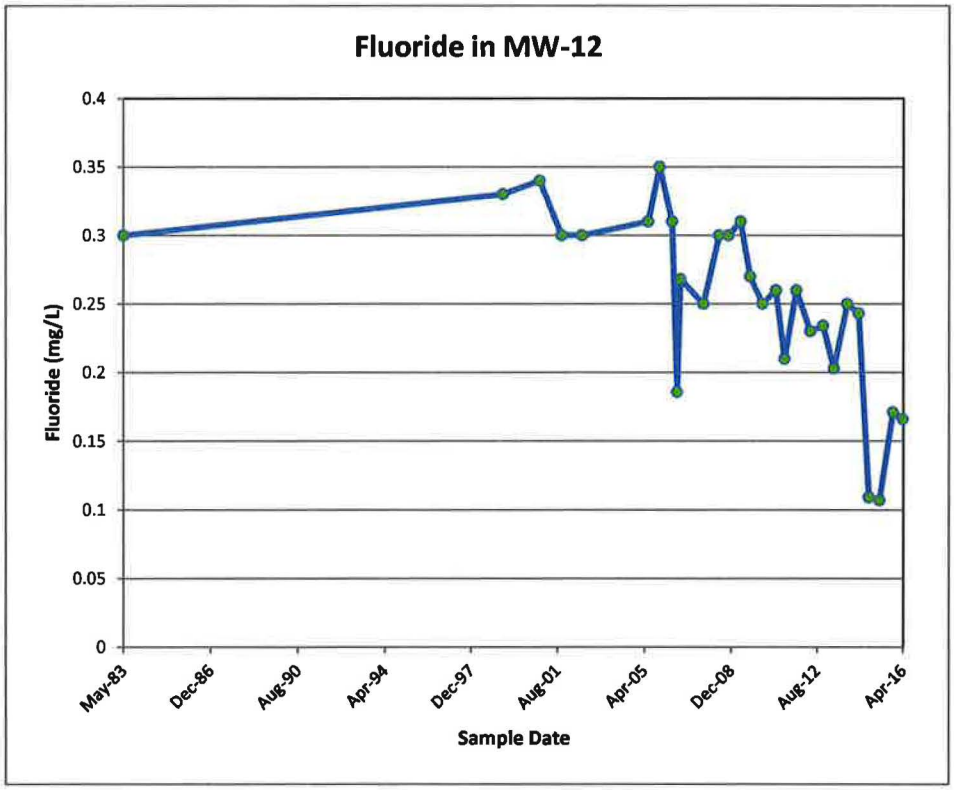
Time concentration plots for MW-11



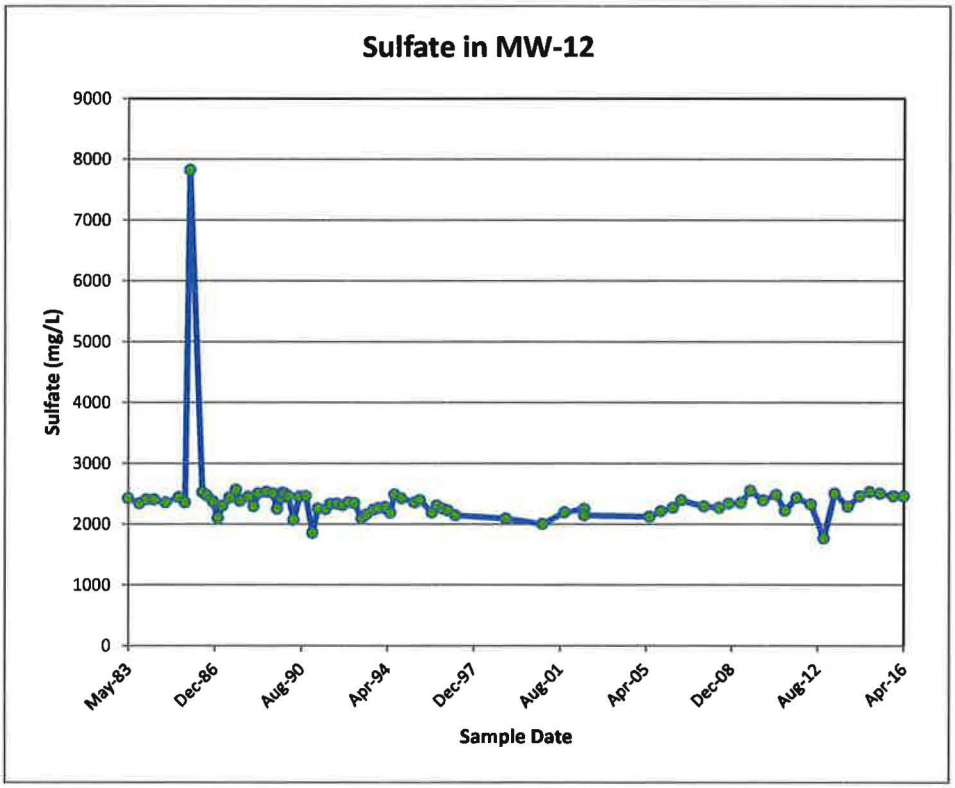


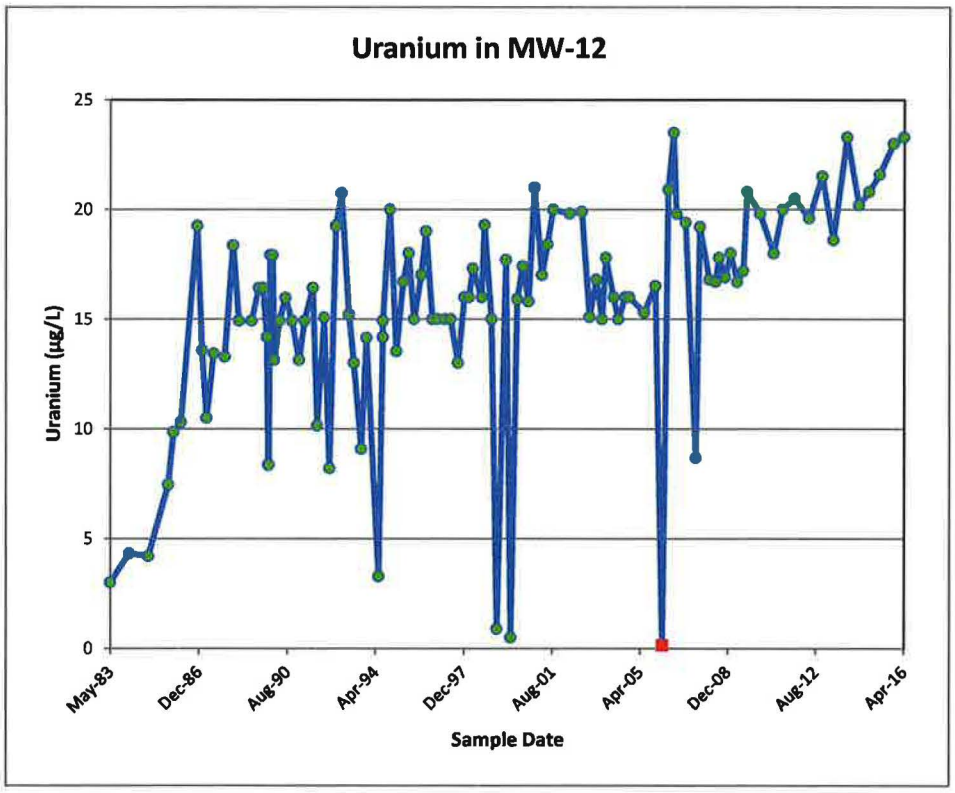
Time concentration plots for MW-12



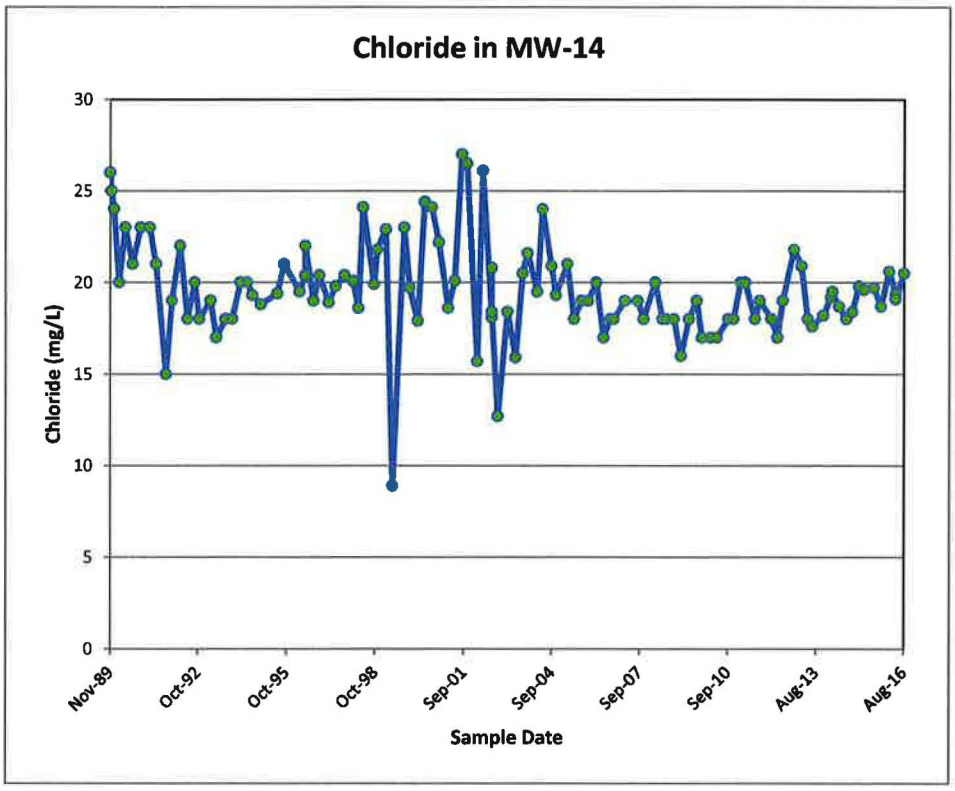


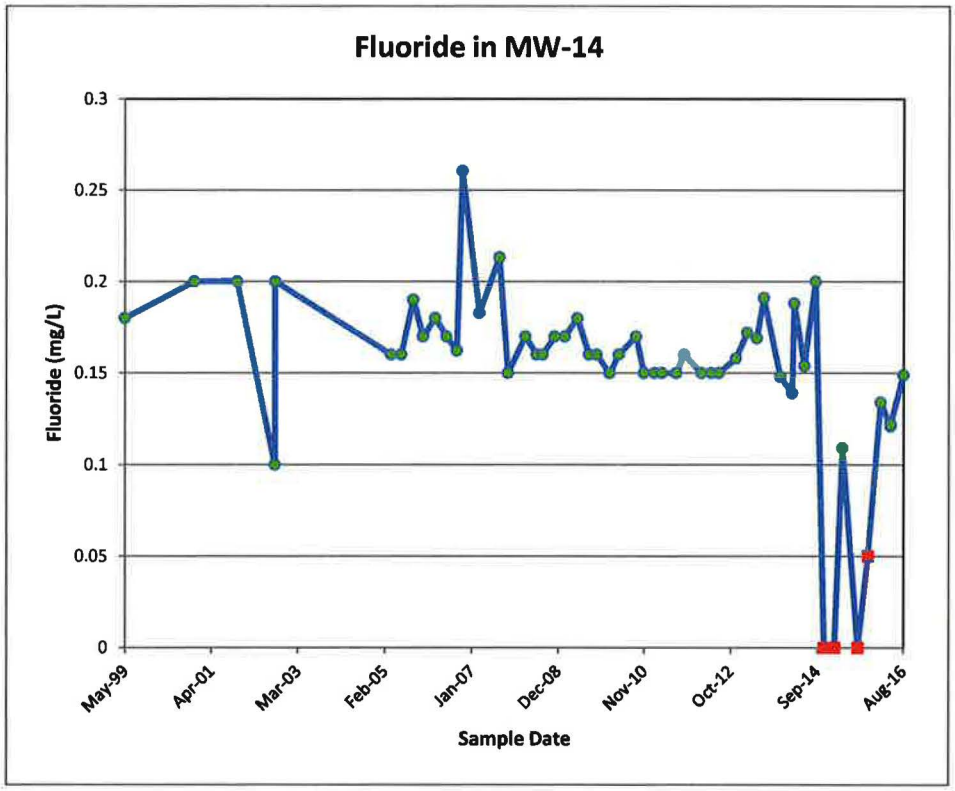
Time concentration plots for MW-12





Time concentration plots for MW-14

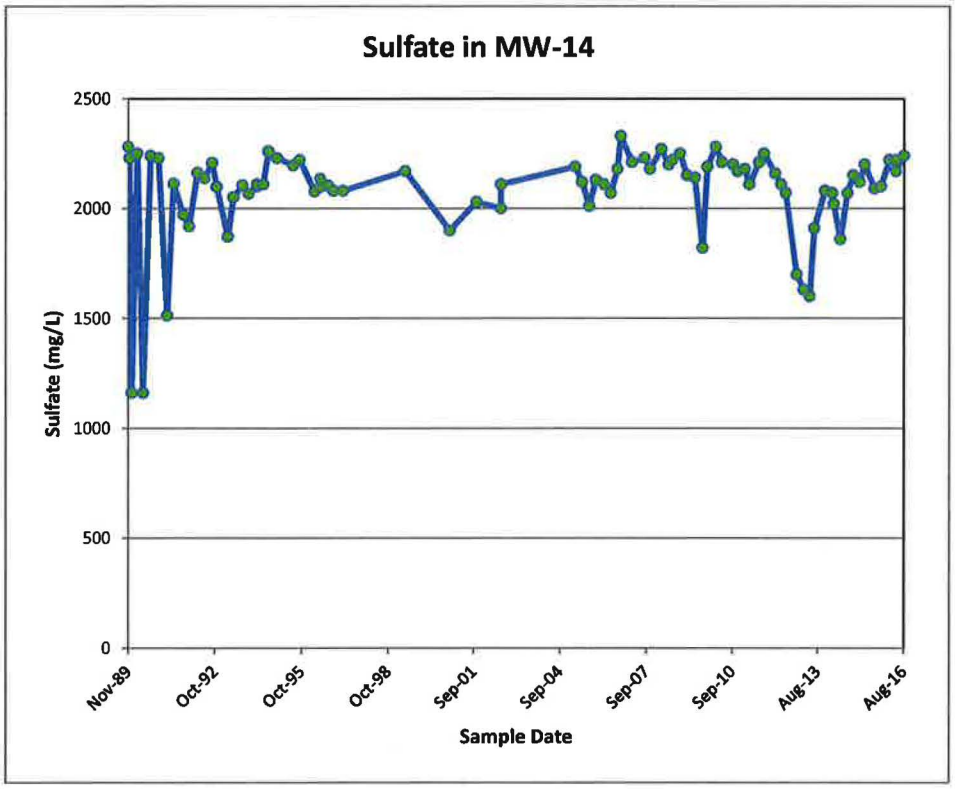


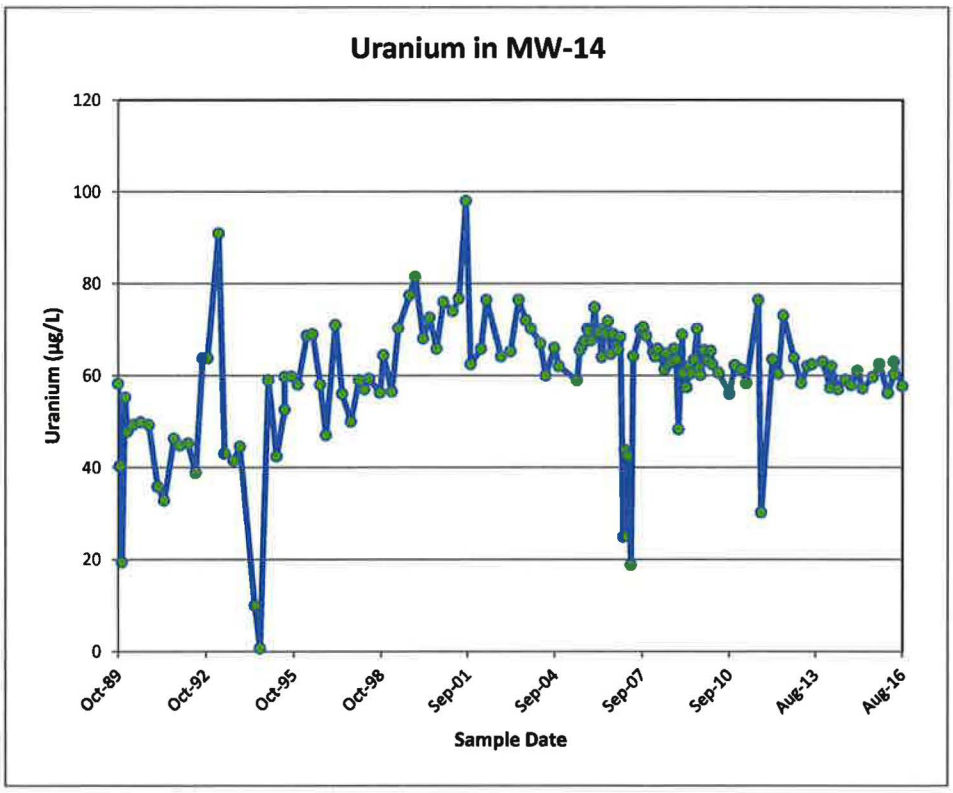


Detected Values

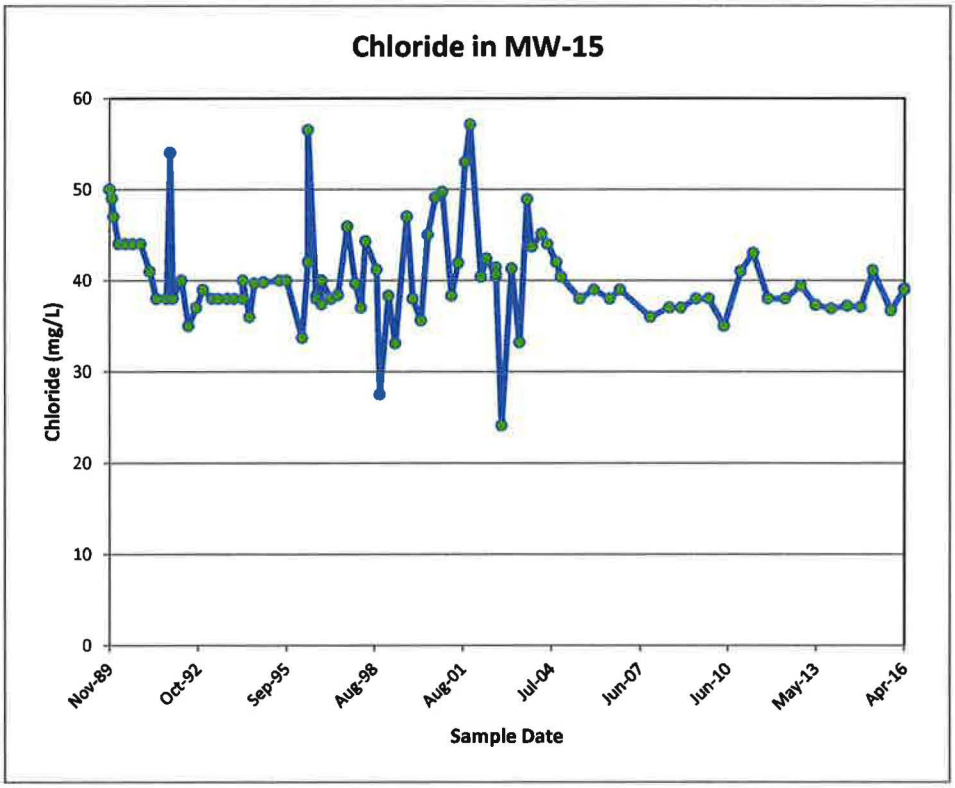
Non-Detected Values

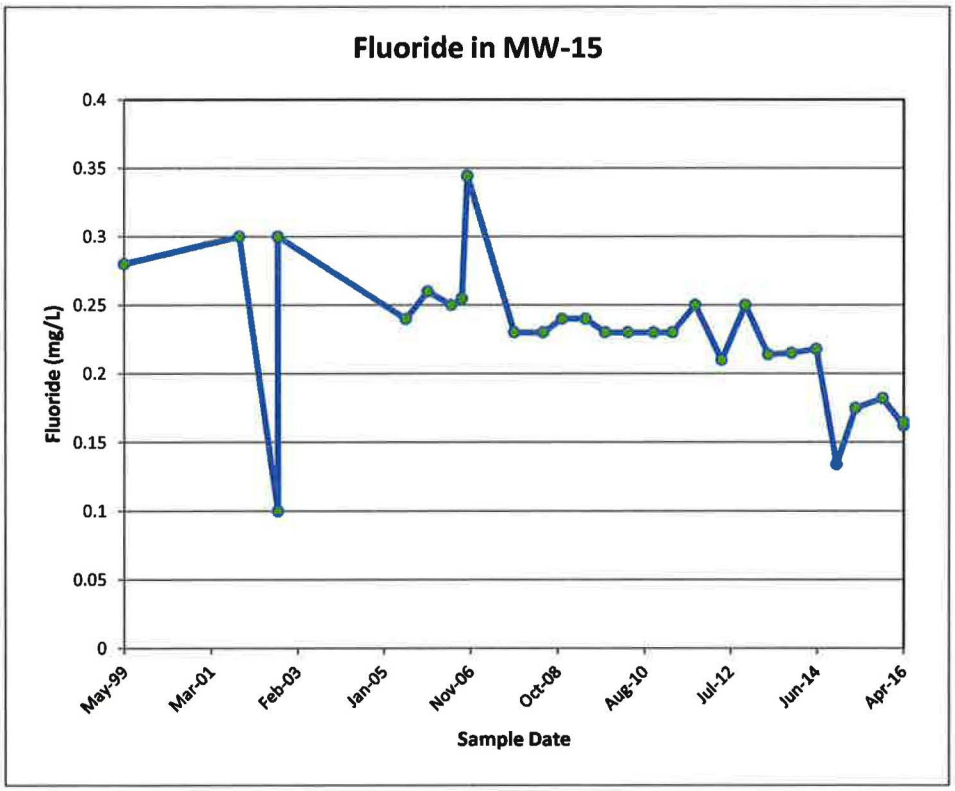
Time concentration plots for MW-14



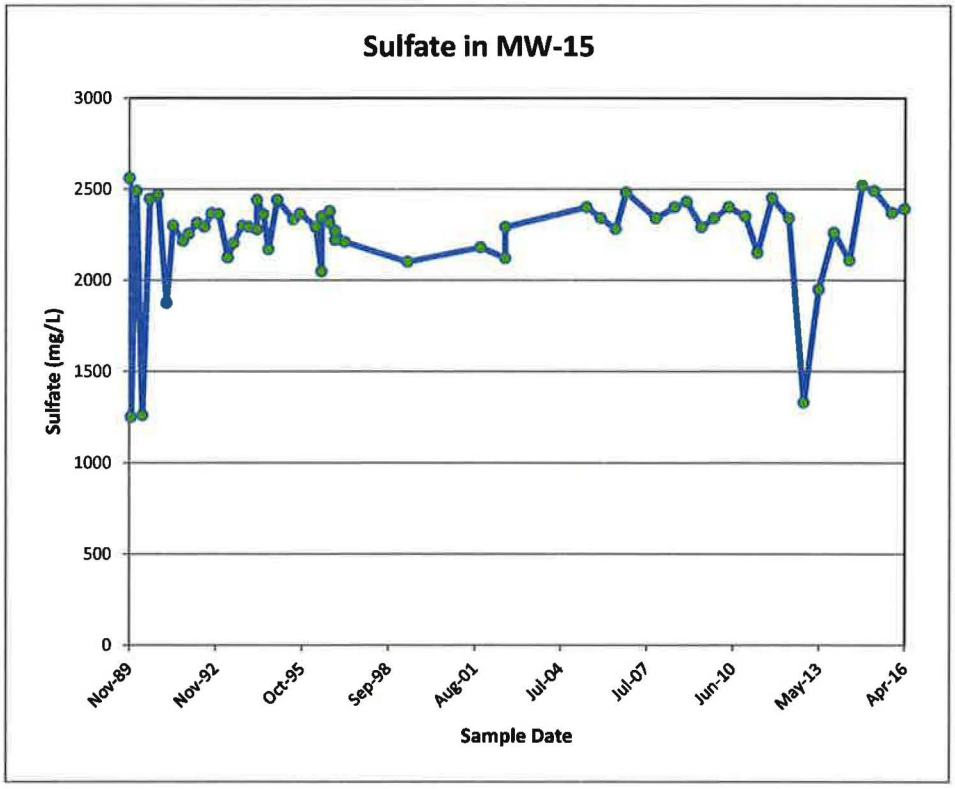


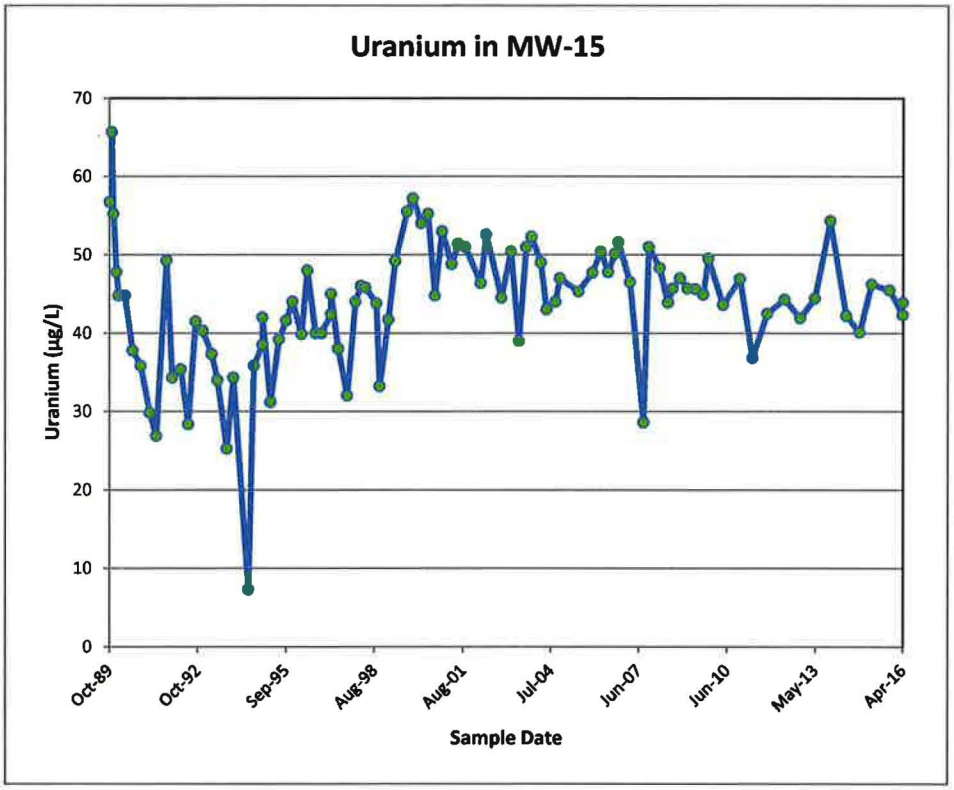
Time concentration plots for MW-15



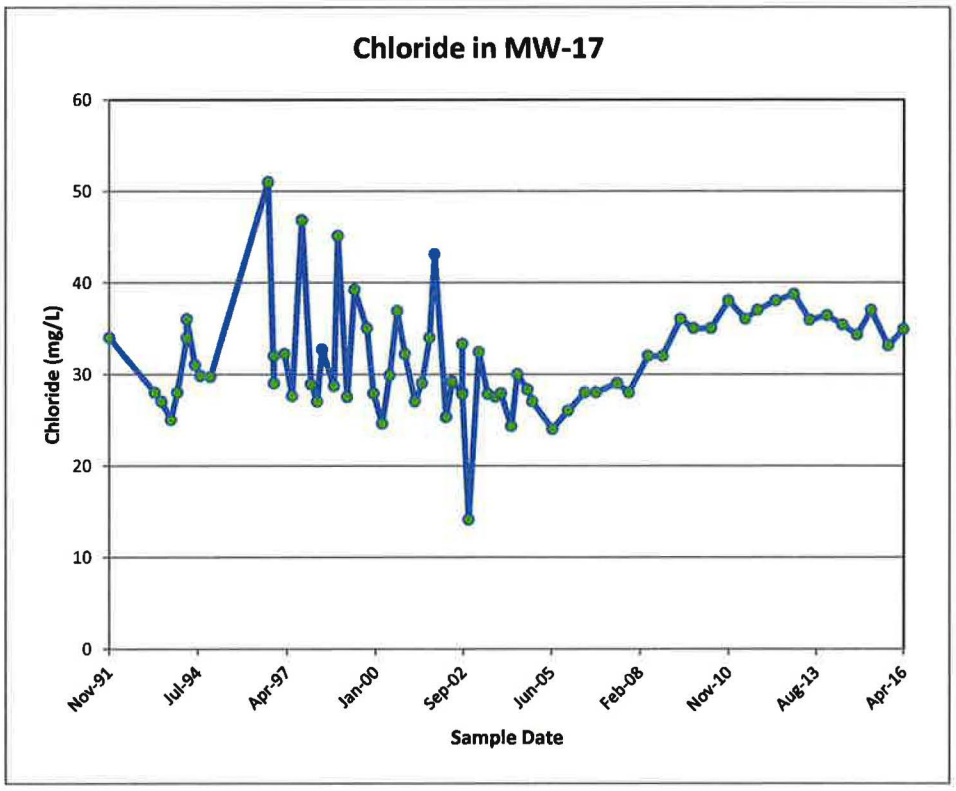


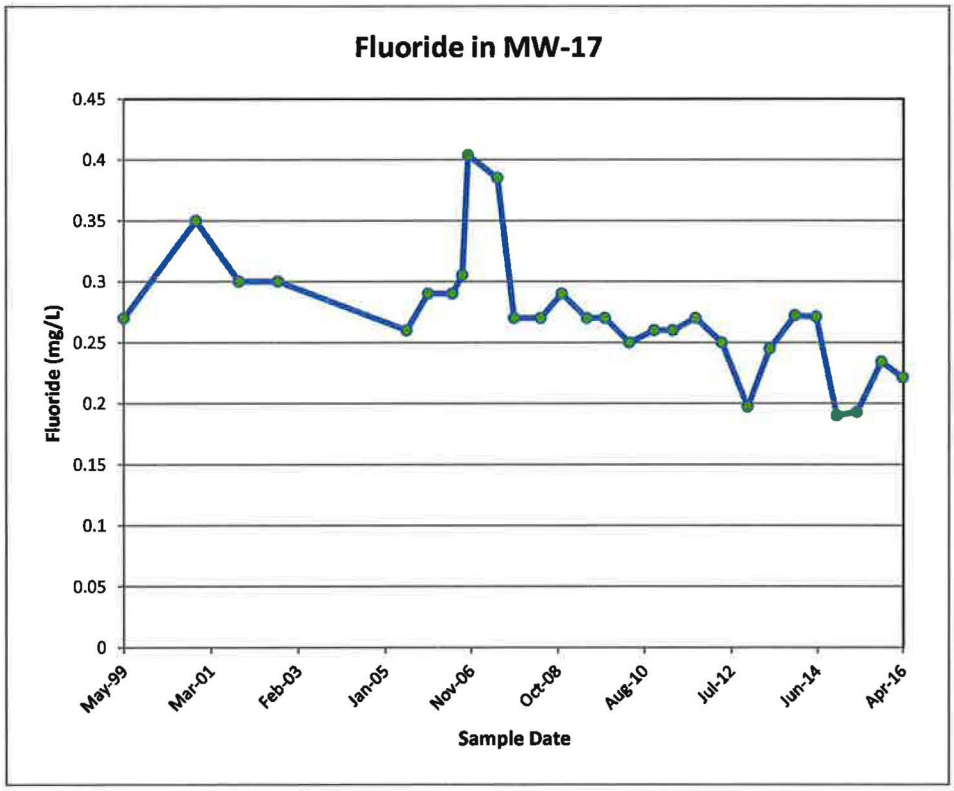
Time concentration plots for MW-15





Time concentration plots for MW-17

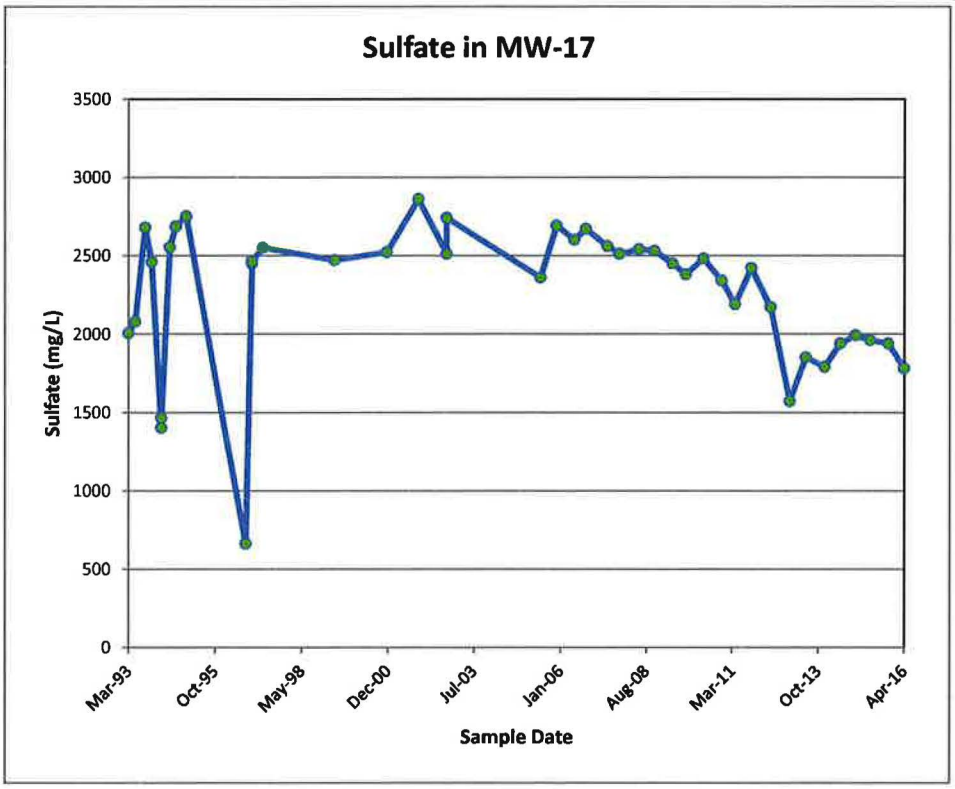


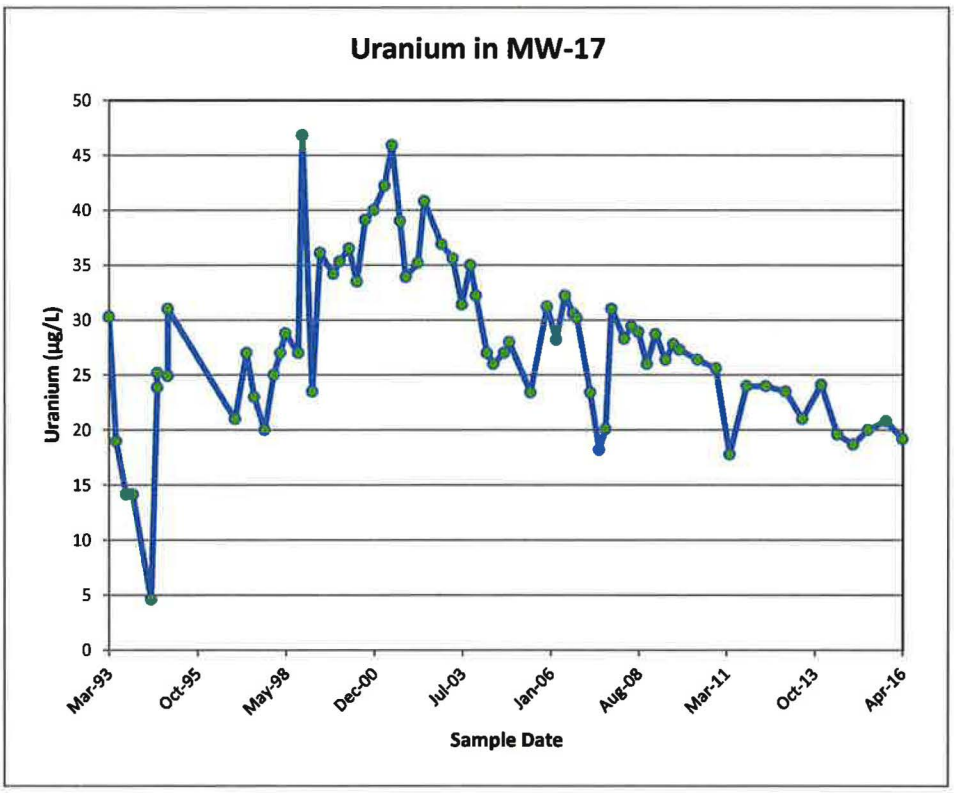


Detected Values

Non-Detected Values

Time concentration plots for MW-17

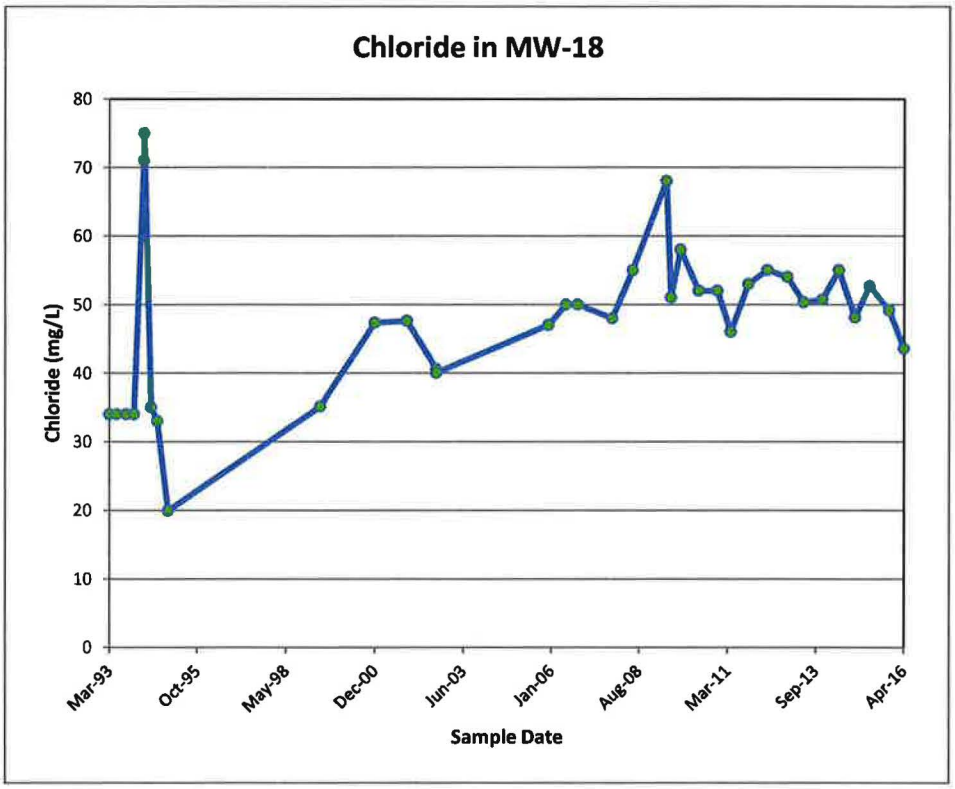


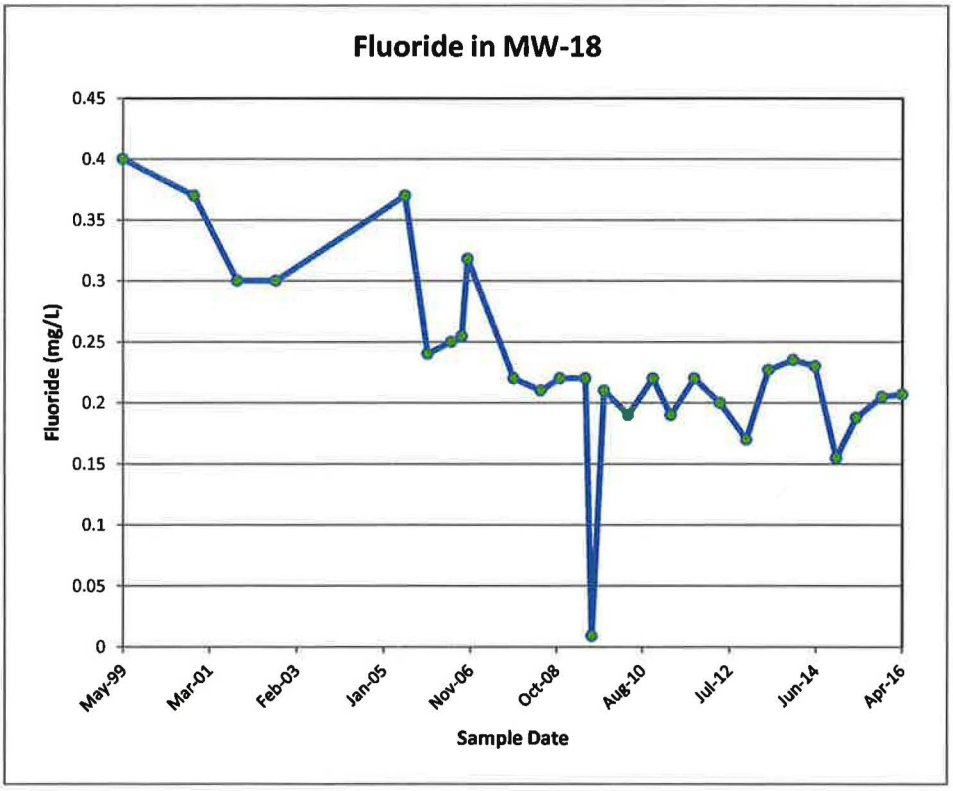


Detected Values

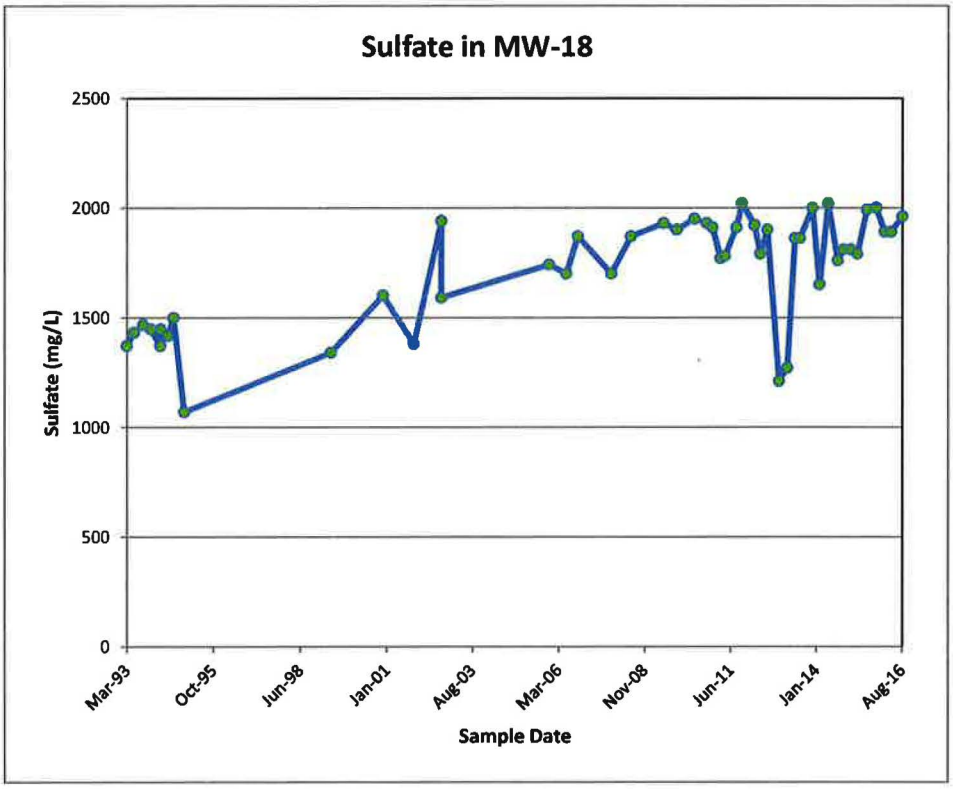
Non-Detected Values

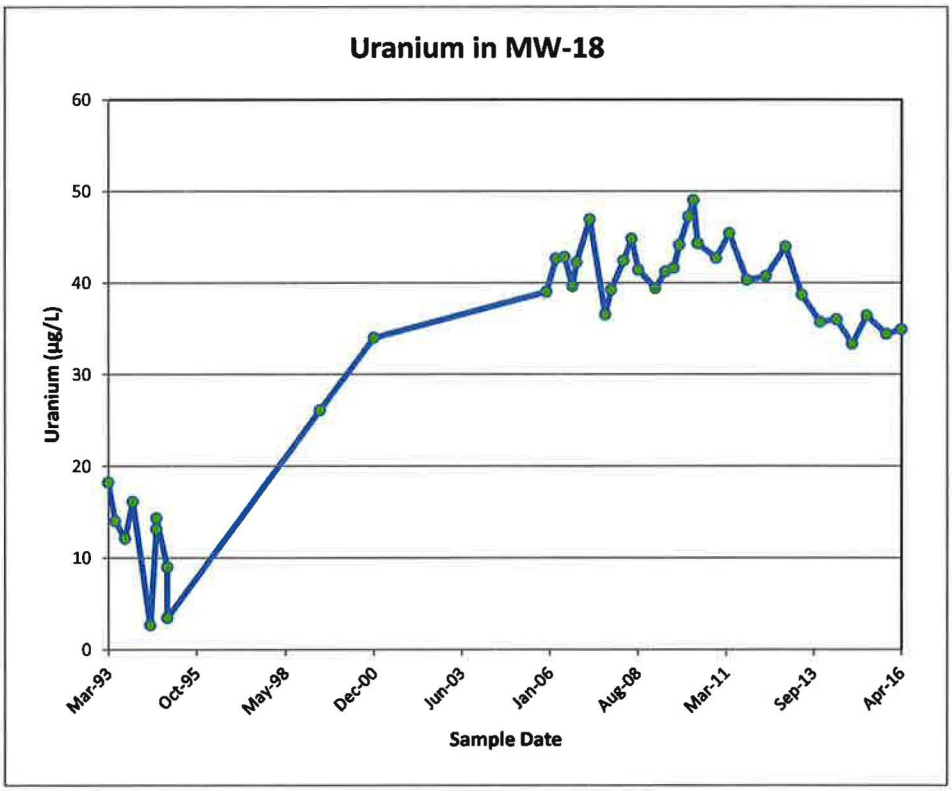
Time concentration plots for MW-18



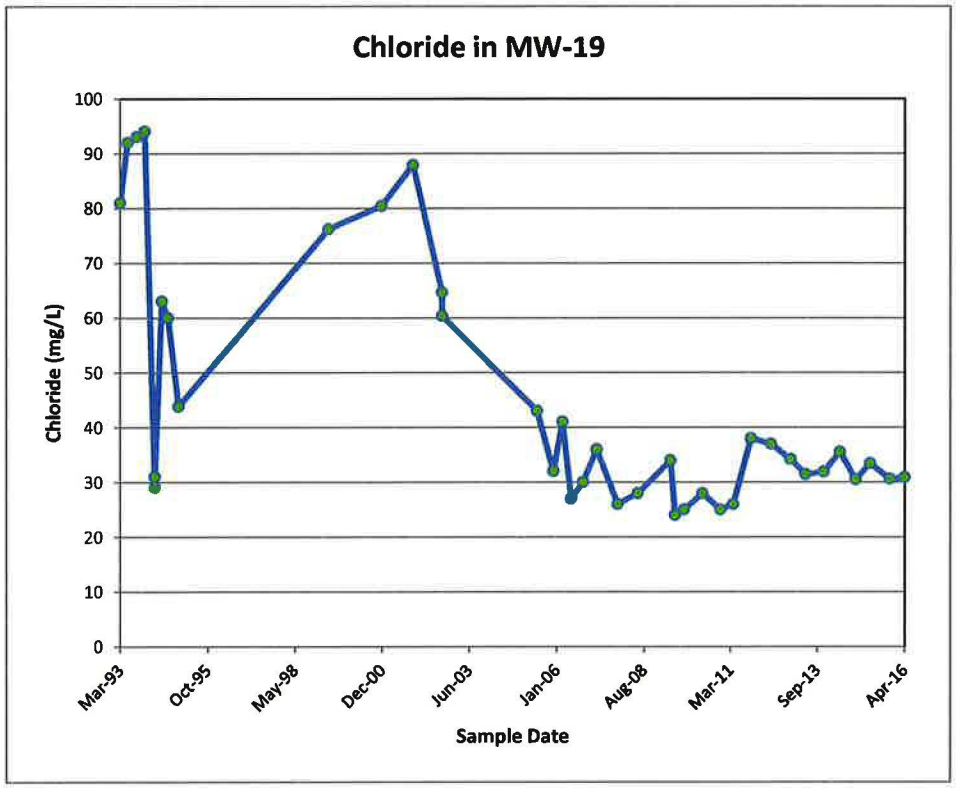


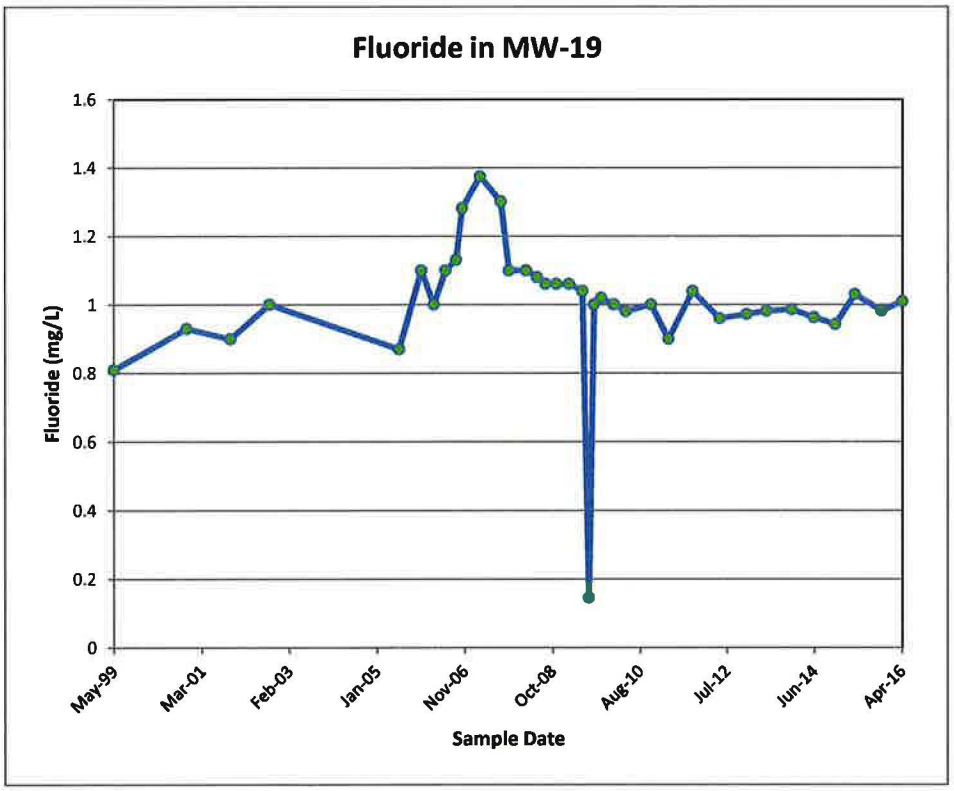
Time concentration plots for MW-18





Time concentration plots for MW-19

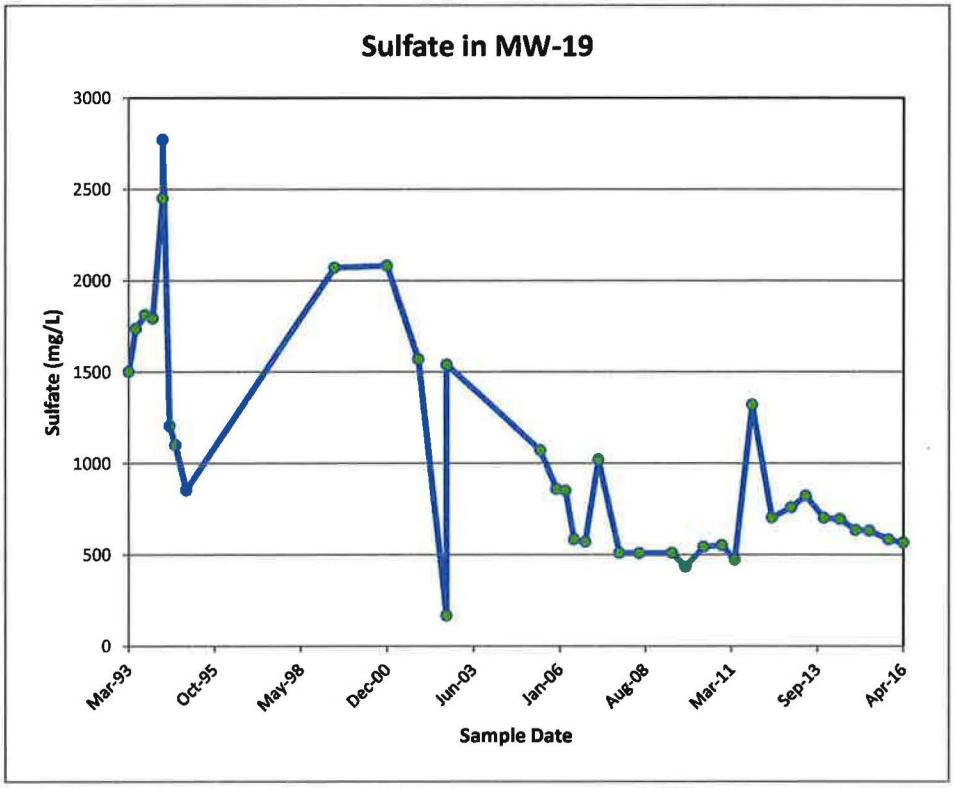


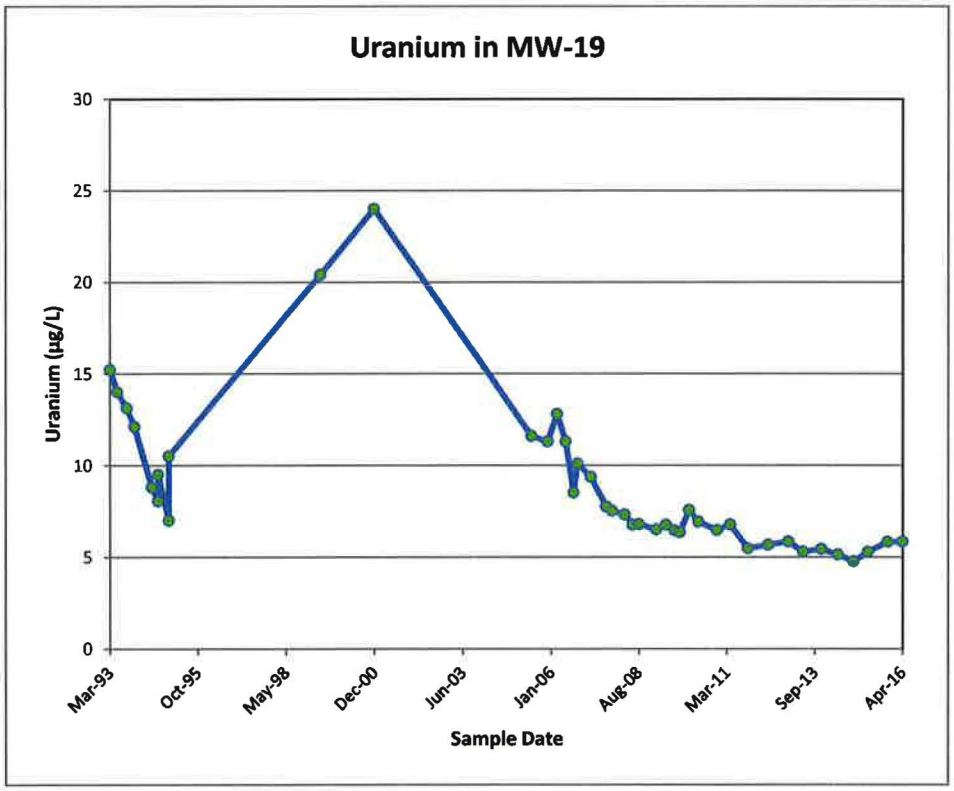


Detected Values

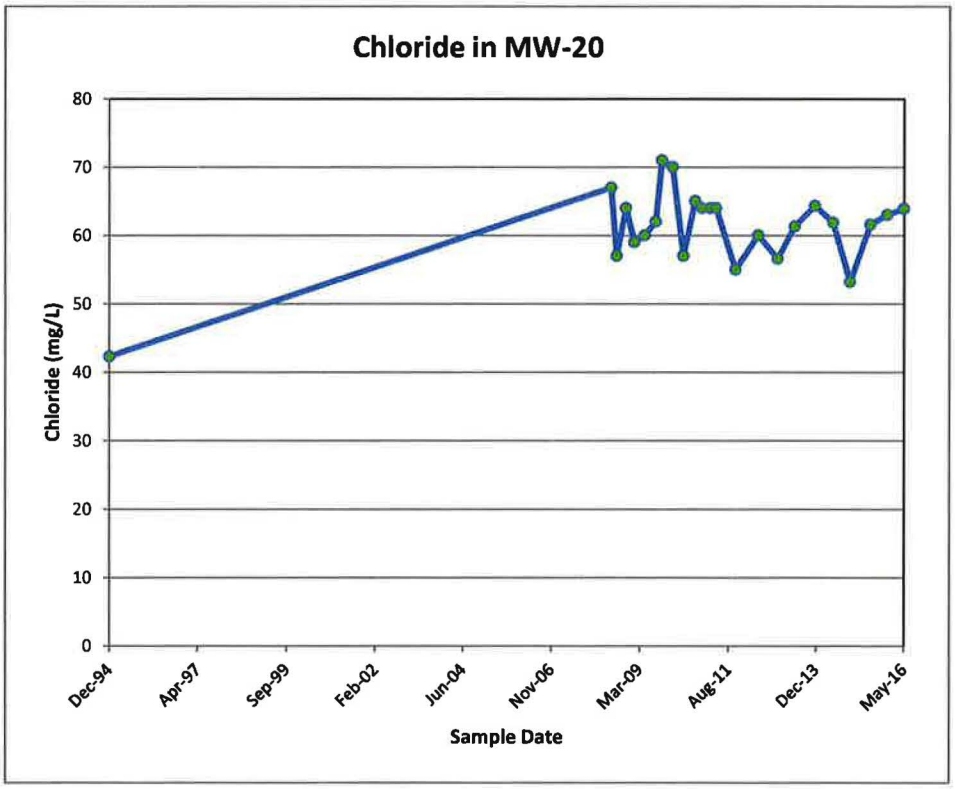
Non-Detected Values

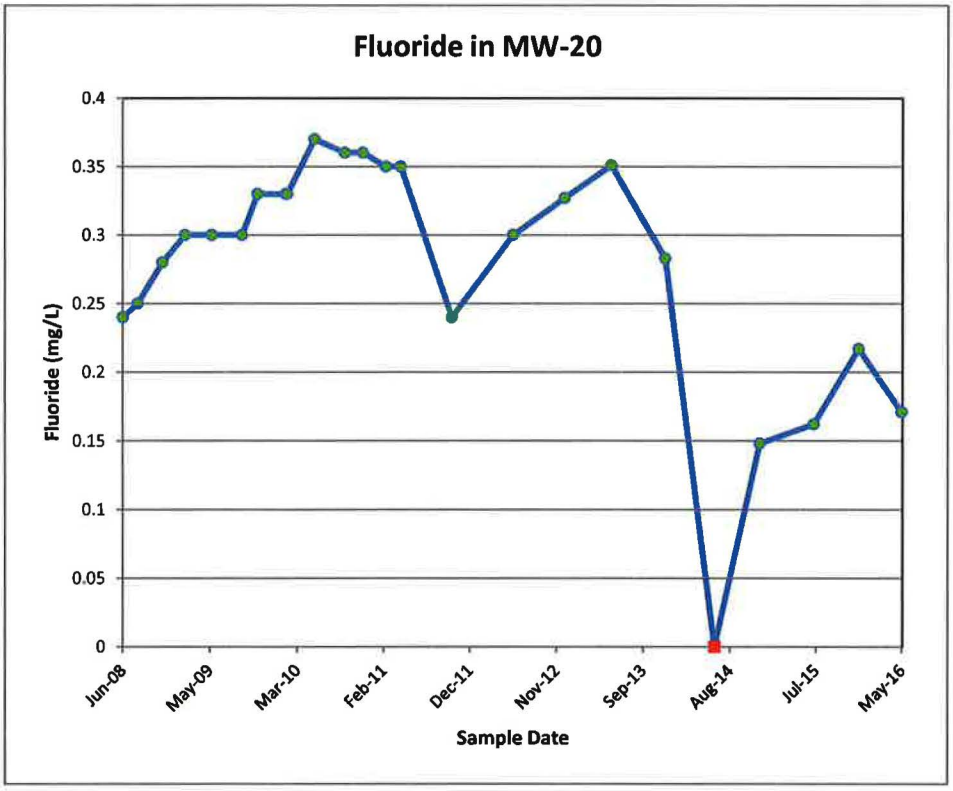
Time concentration plots for MW-19





Time concentration plots for MW-20

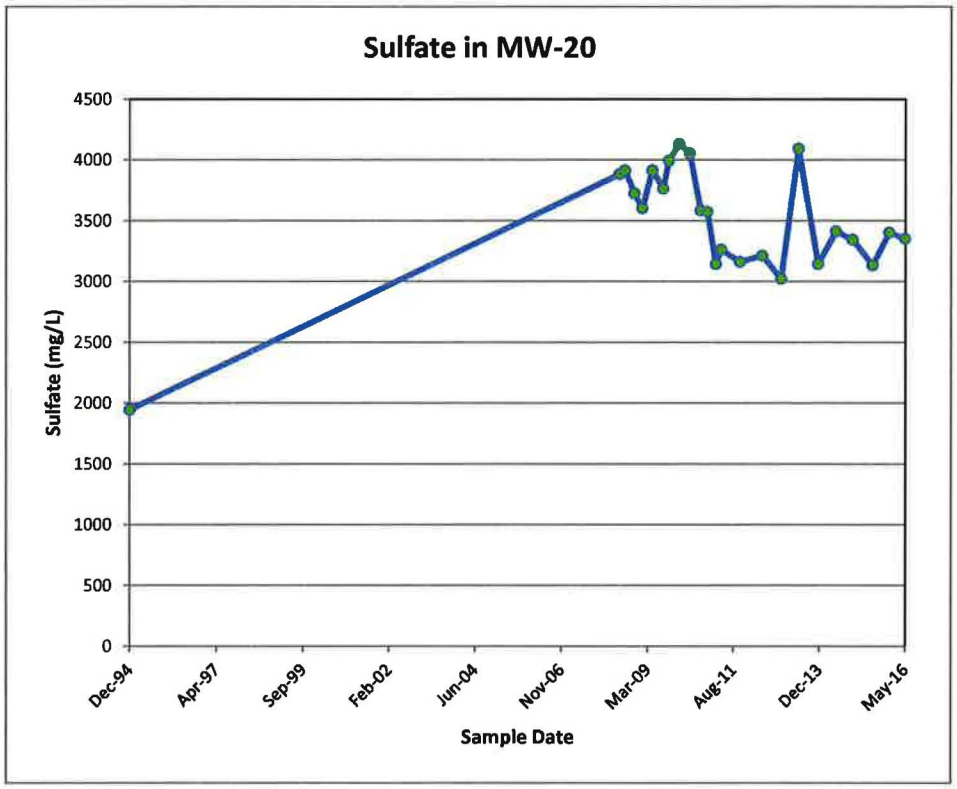


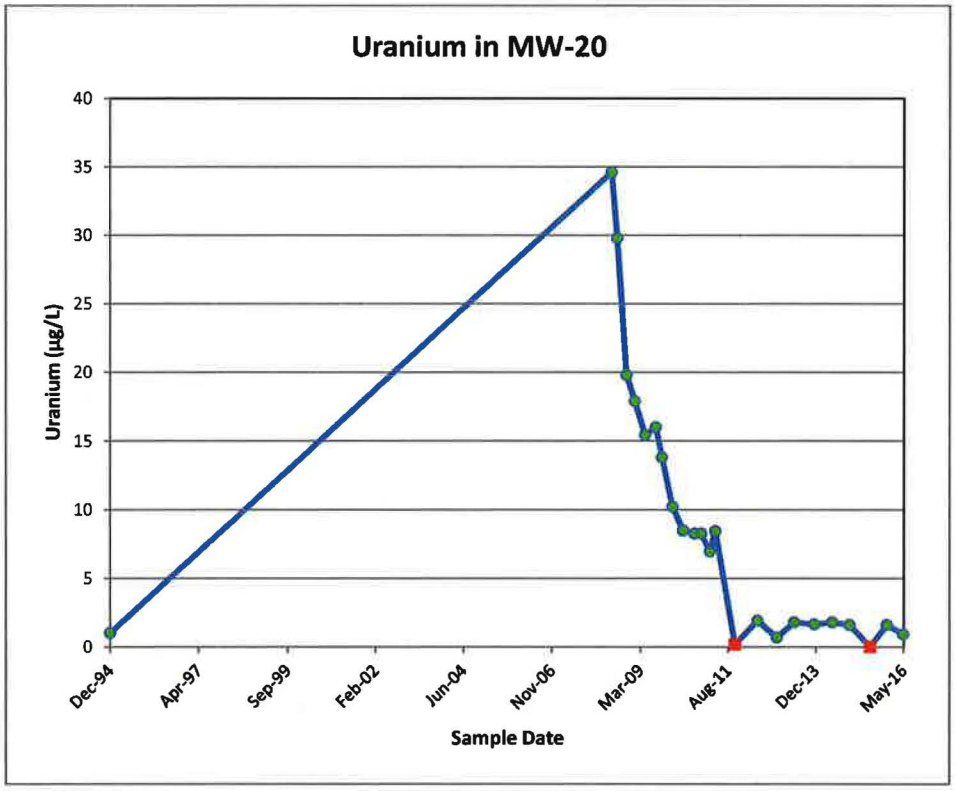


Detected Values

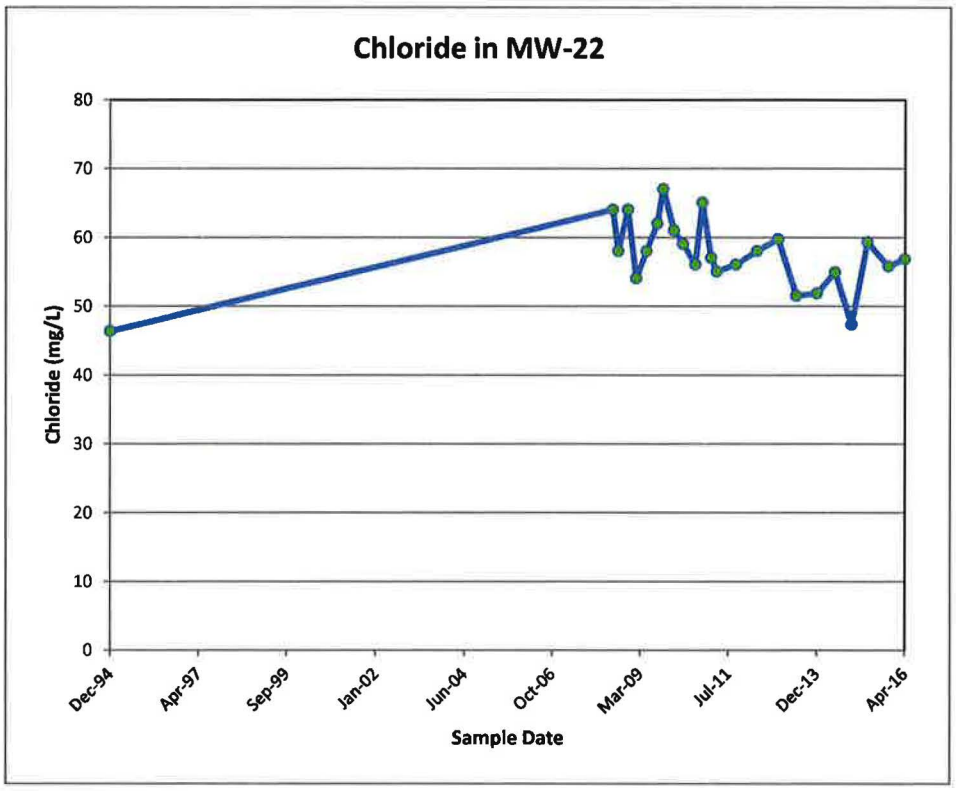
Non-Detected Values

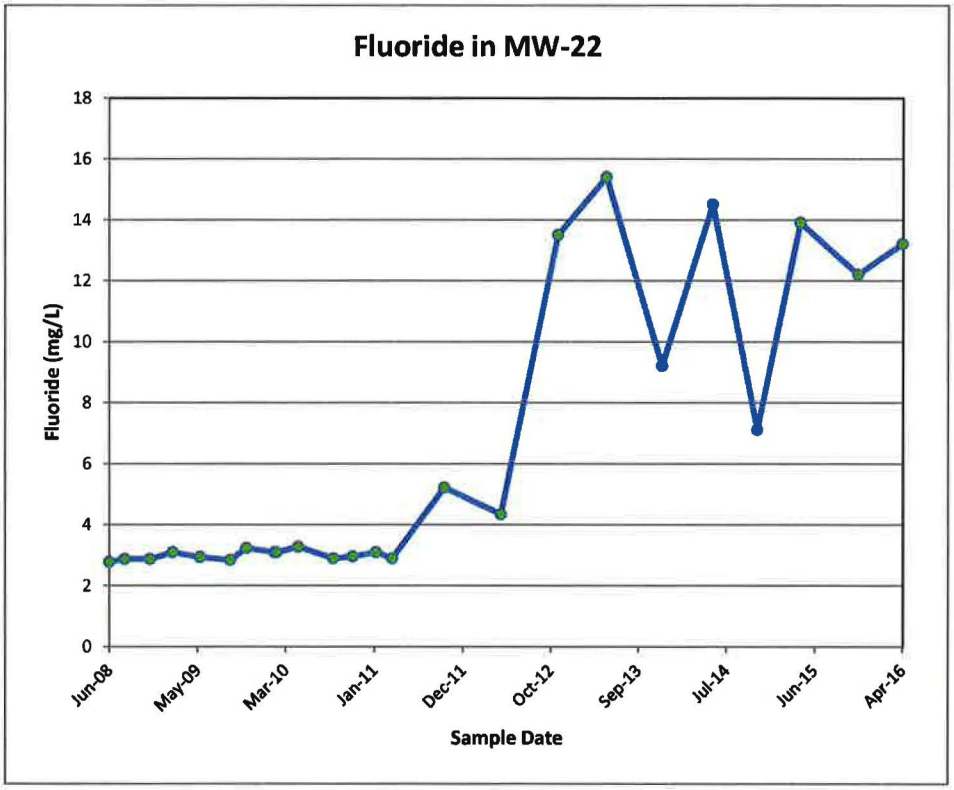
Time concentration plots for MW-20



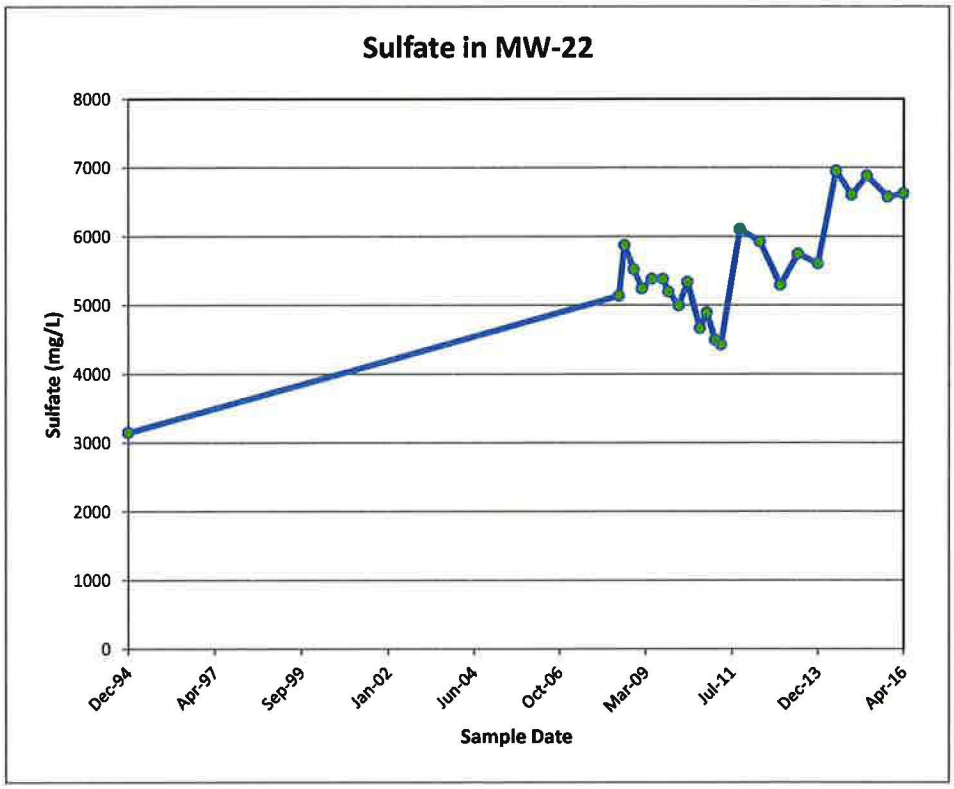


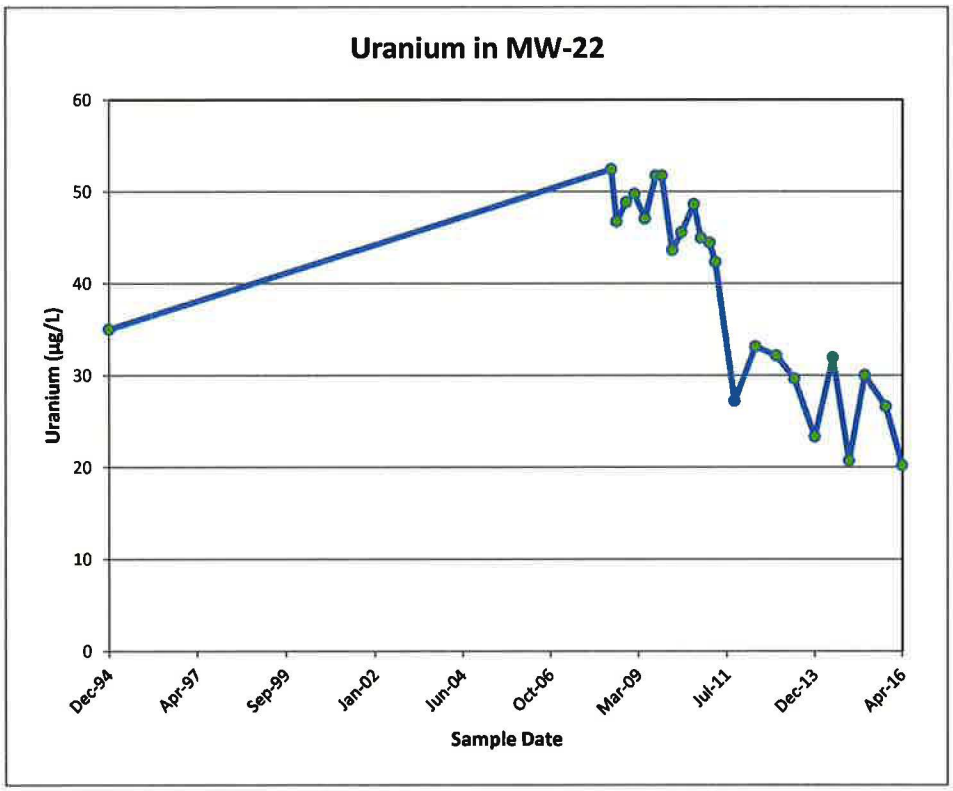
Time concentration plots for MW-22



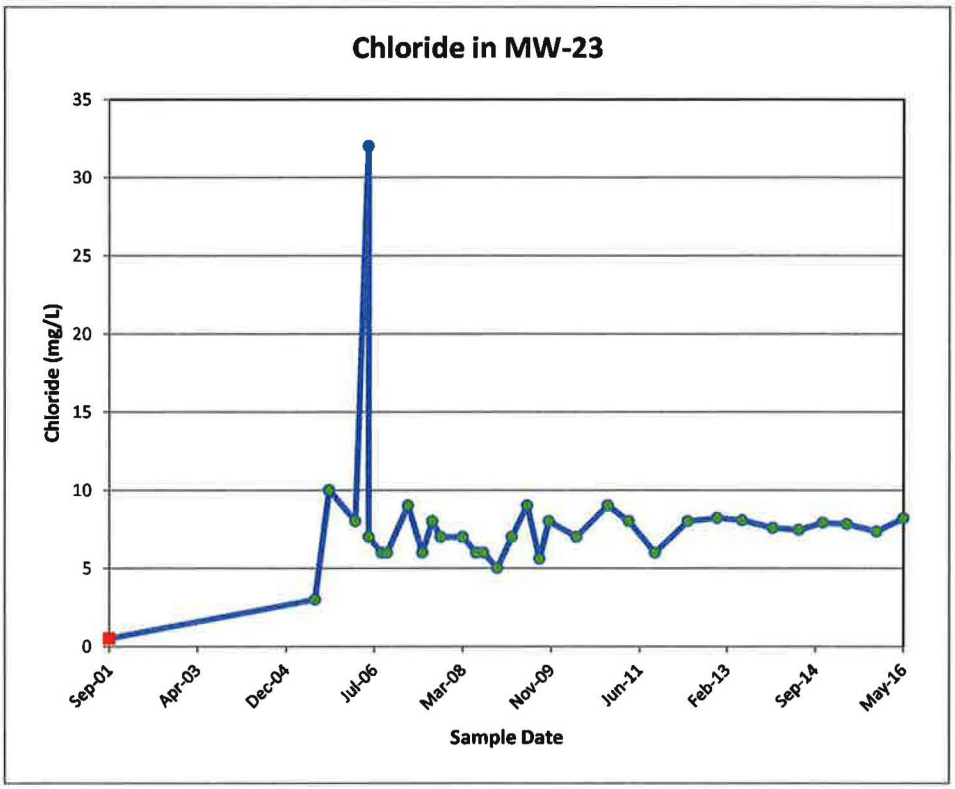


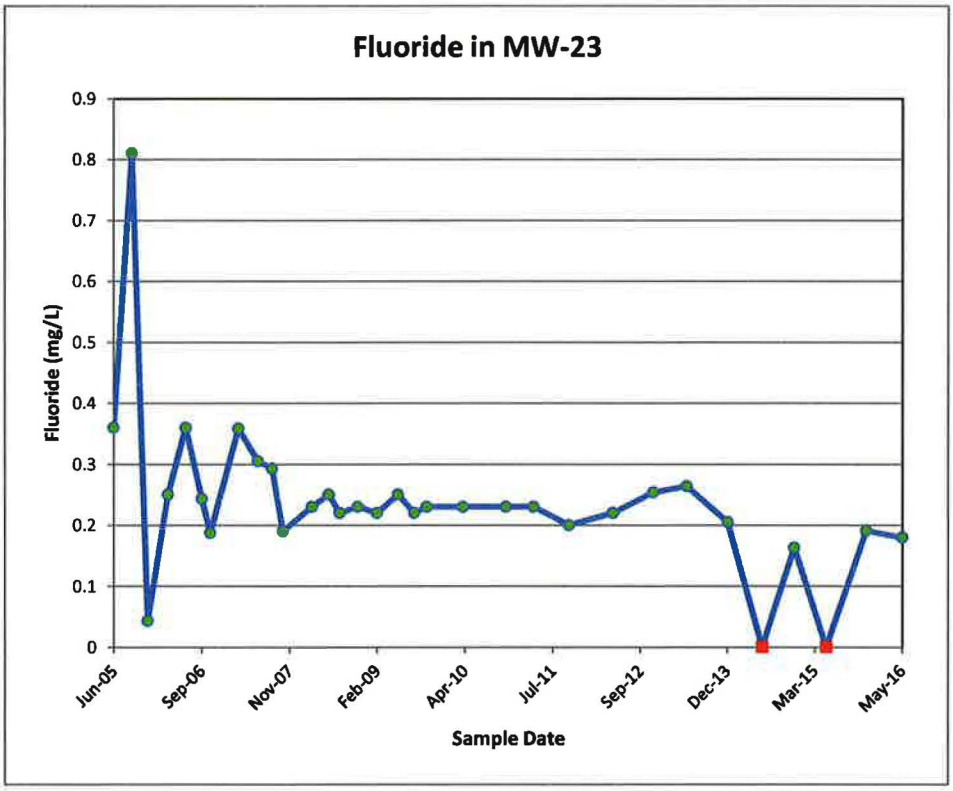
Time concentration plots for MW-22





Time concentration plots for MW-23

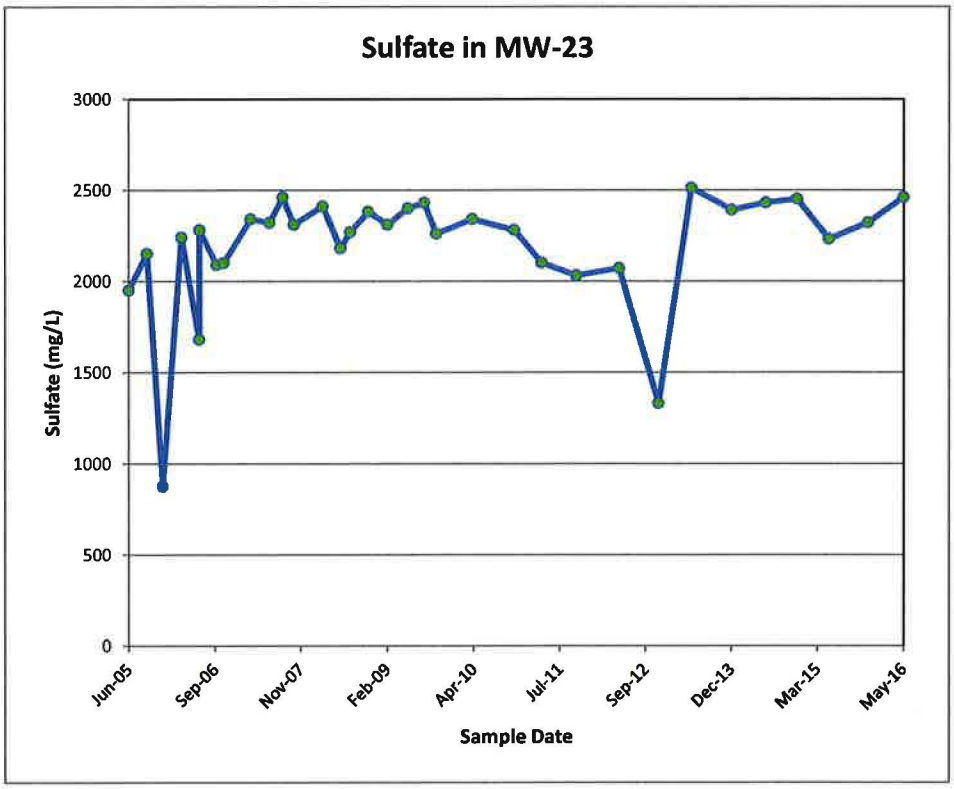


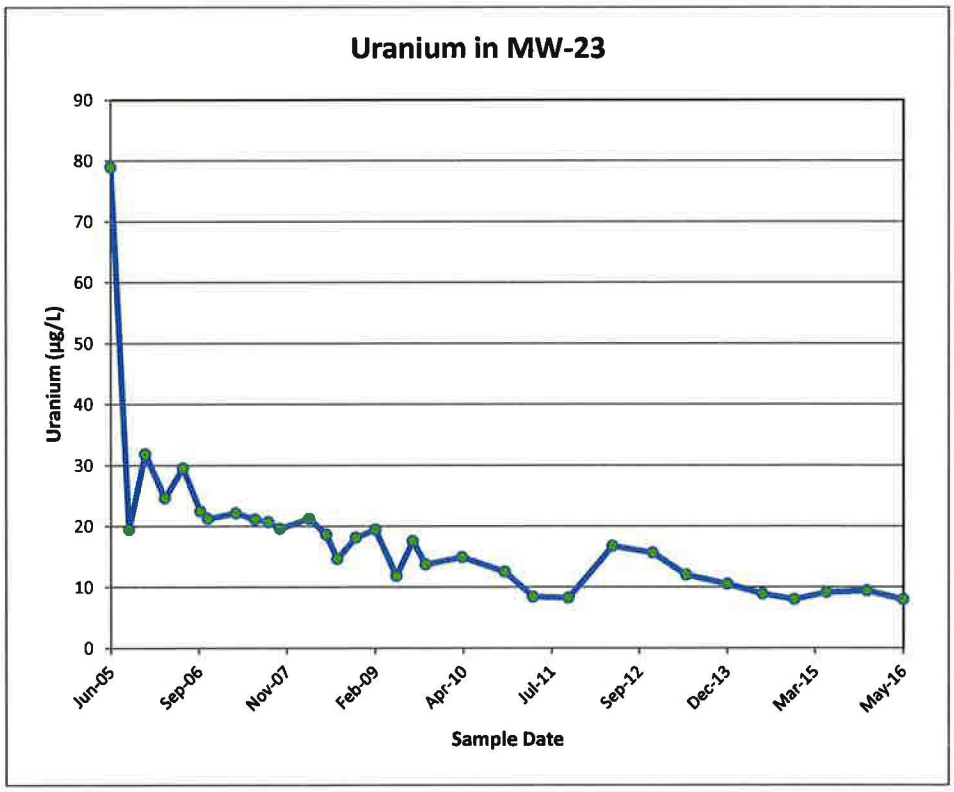


Detected Values

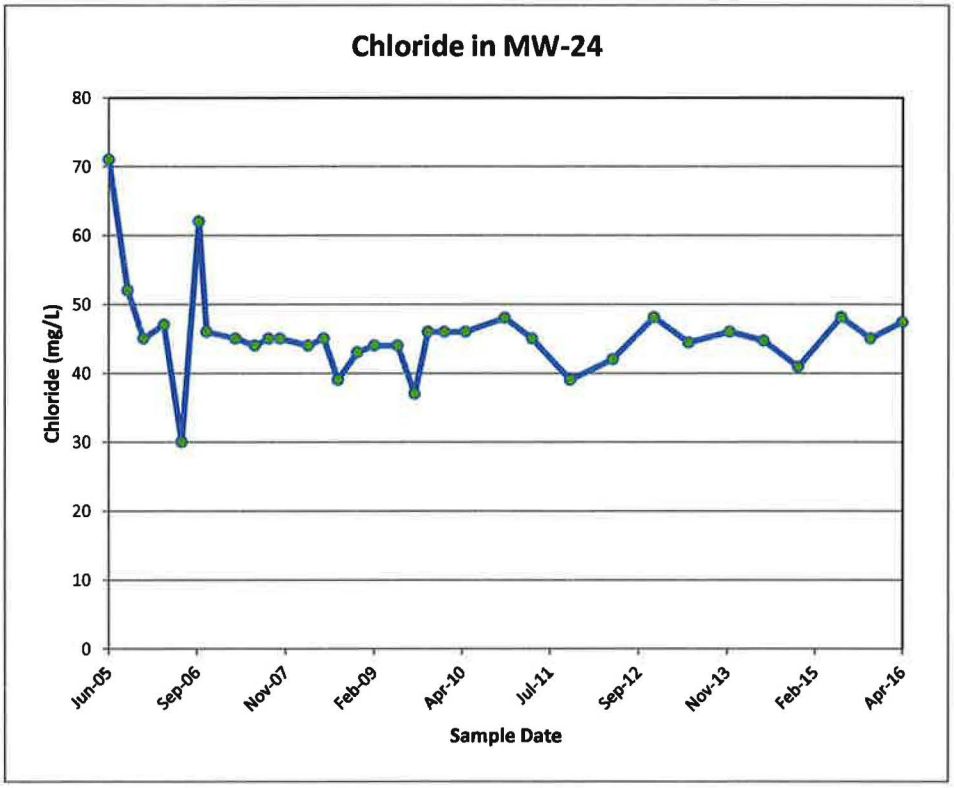
Non-Detected Values

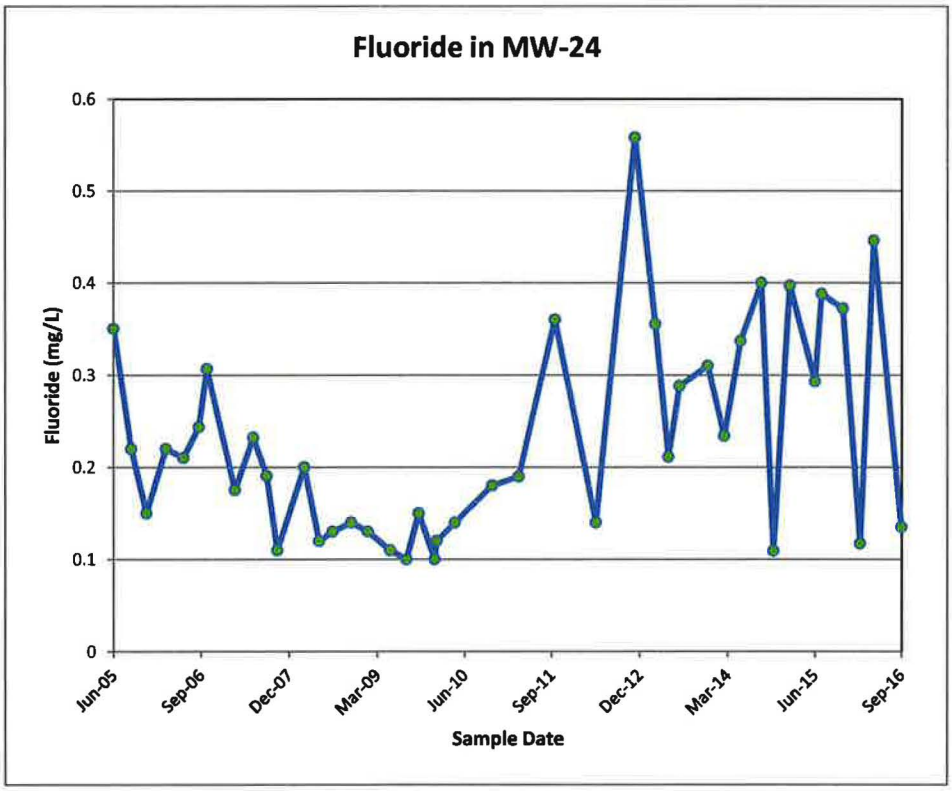
Time concentration plots for MW-23





Time concentration plots for MW-24

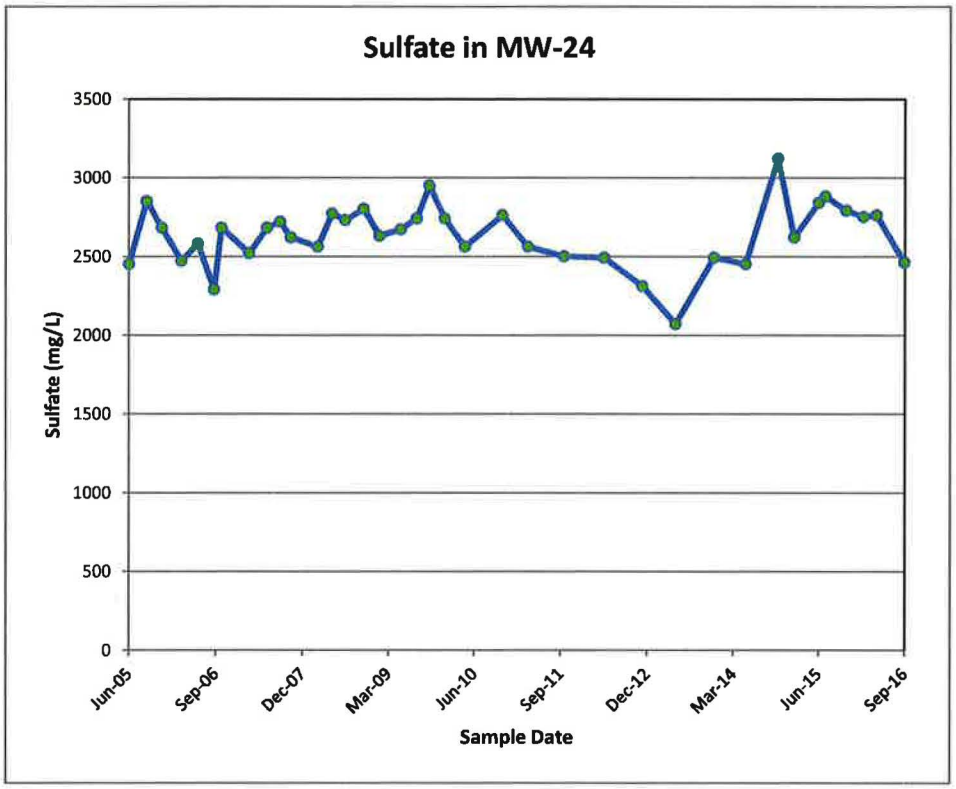


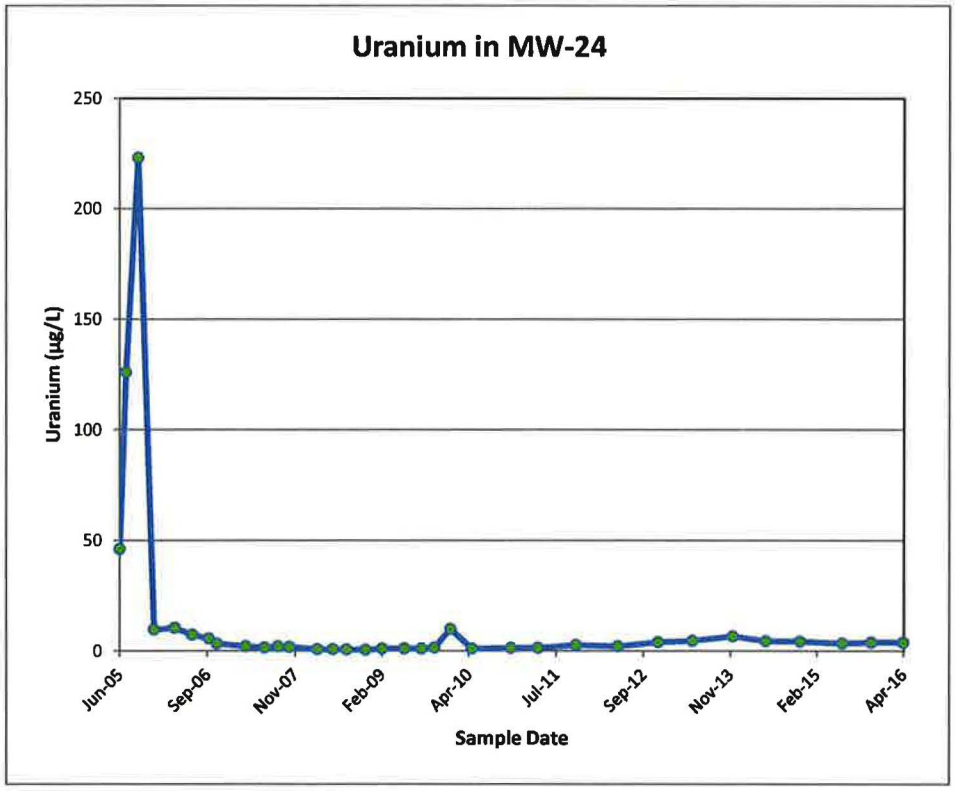


Detected Values

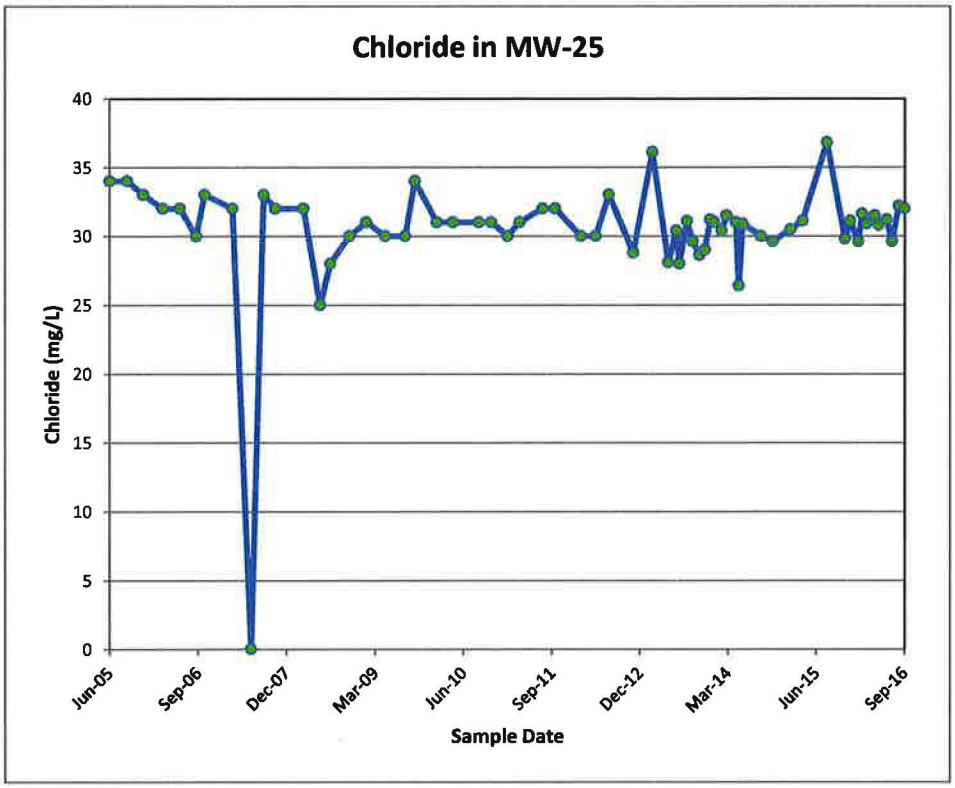
Non-Detected Values

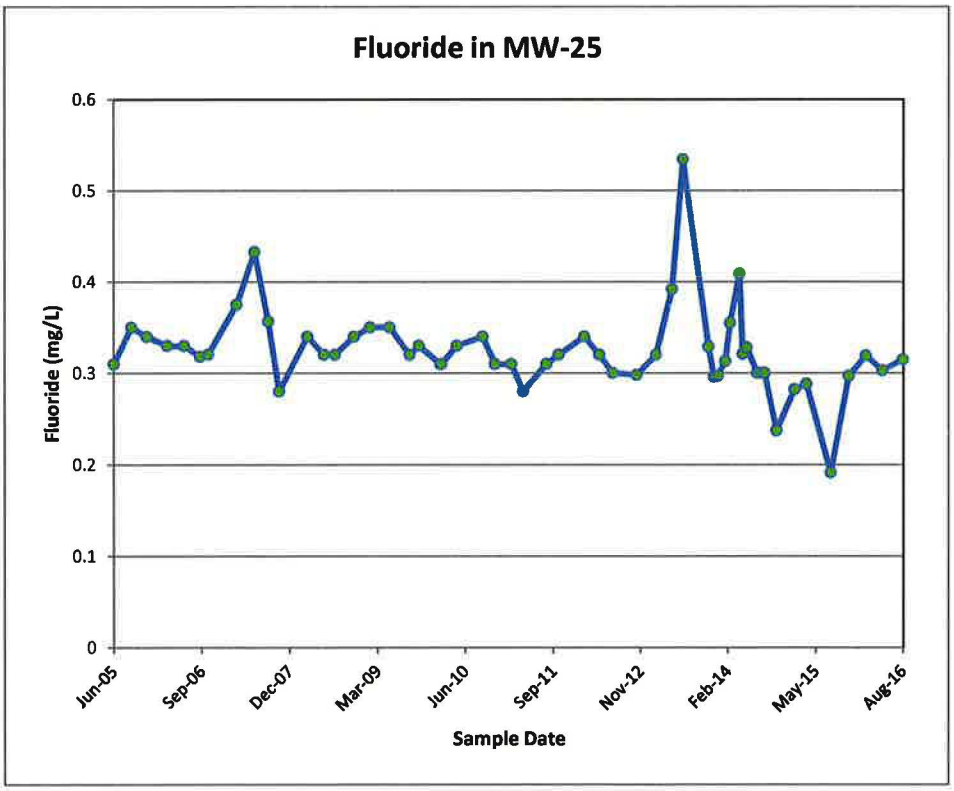
Time concentration plots for MW-24



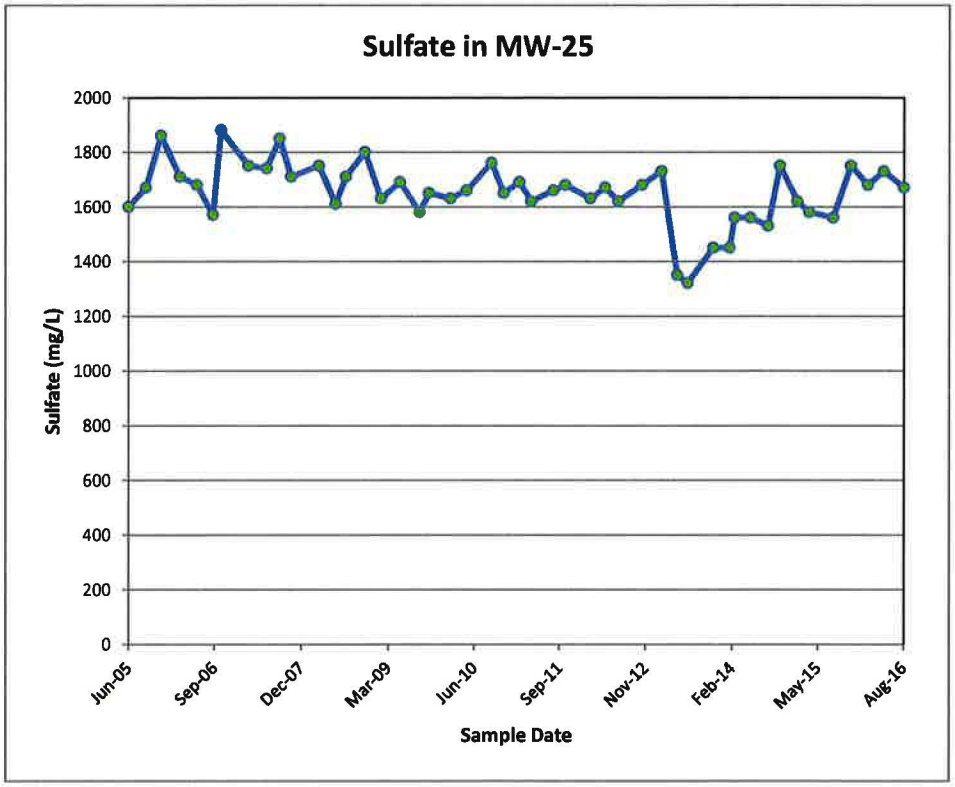


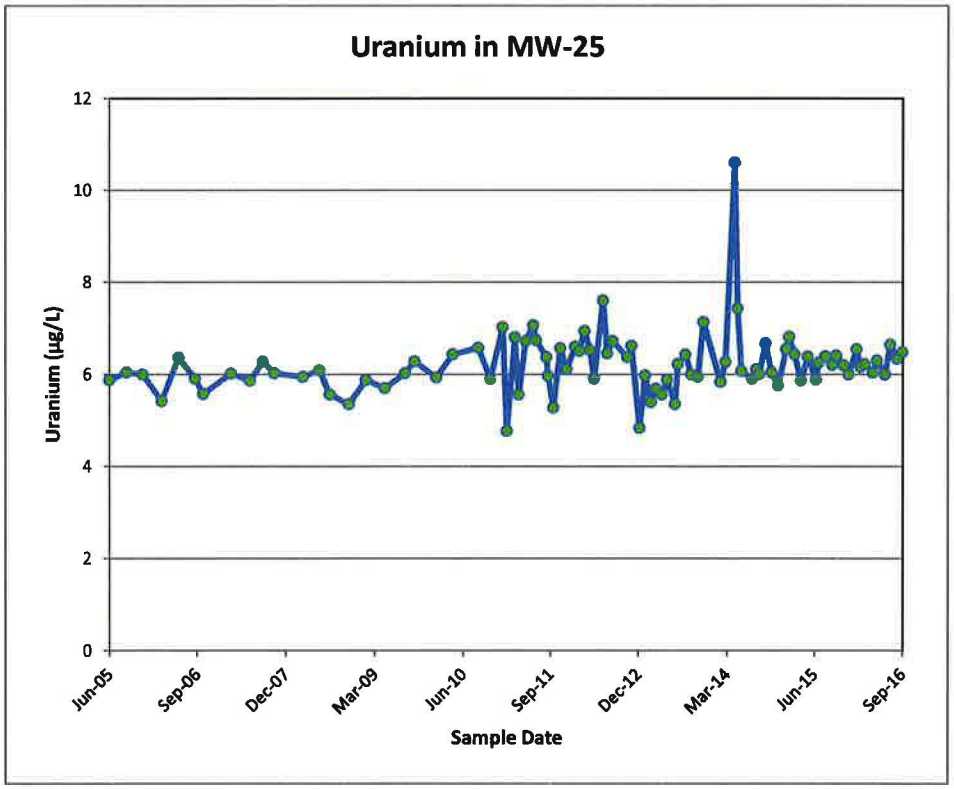
Time concentration plots for MW-25



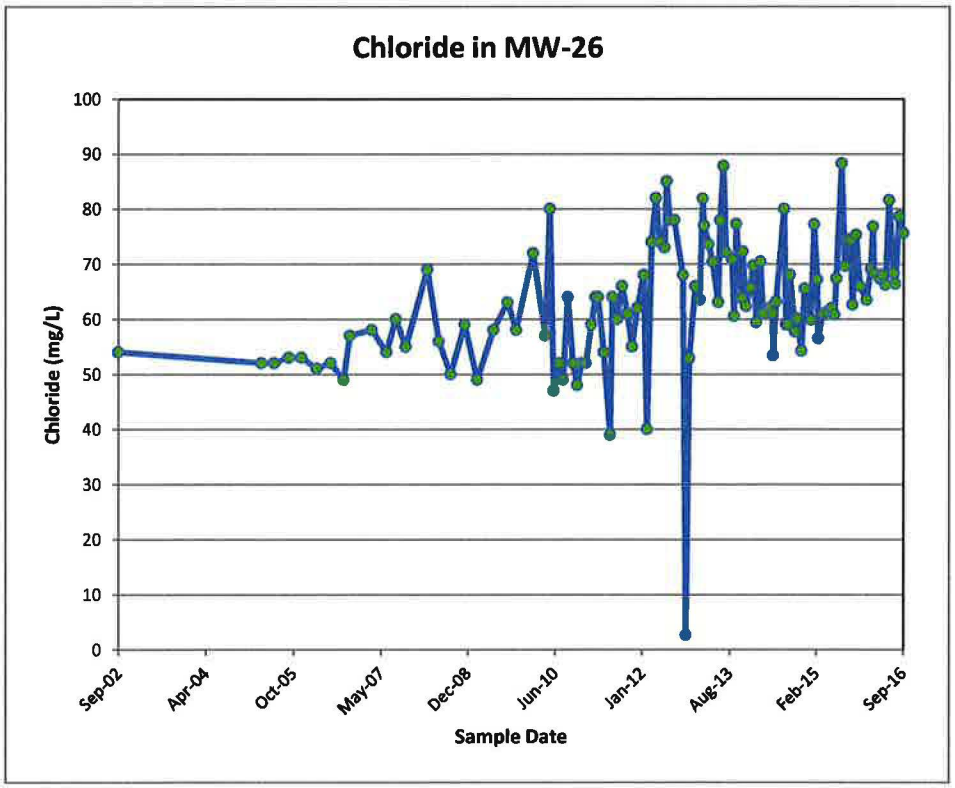


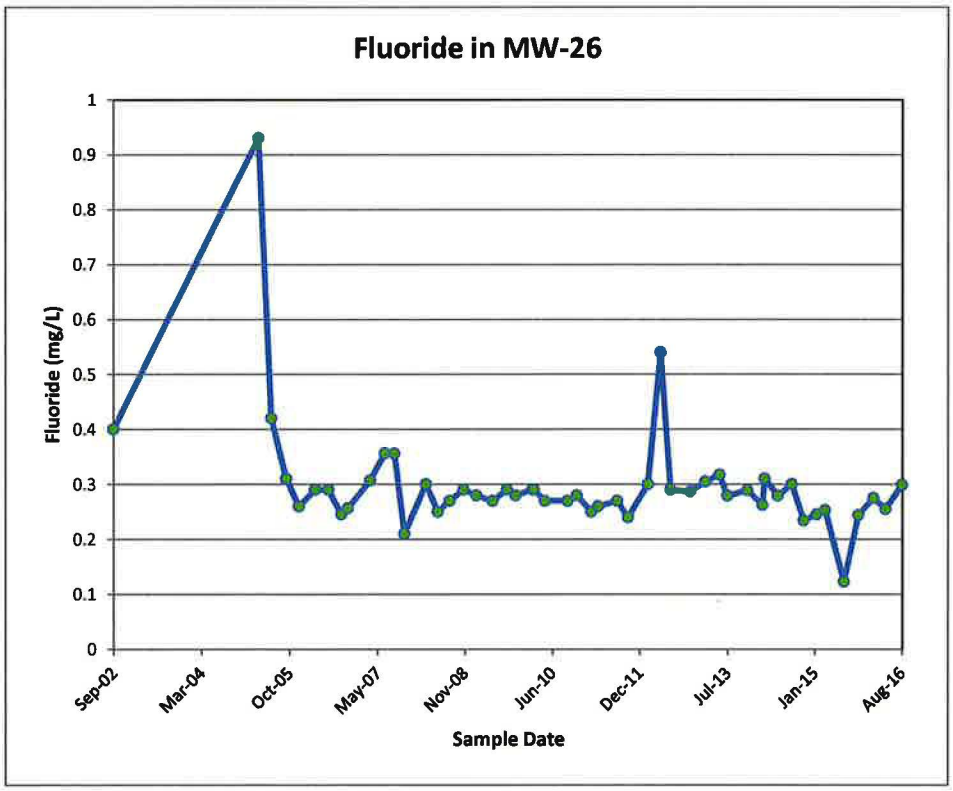
Time concentration plots for MW-25





Time concentration plots for MW-26

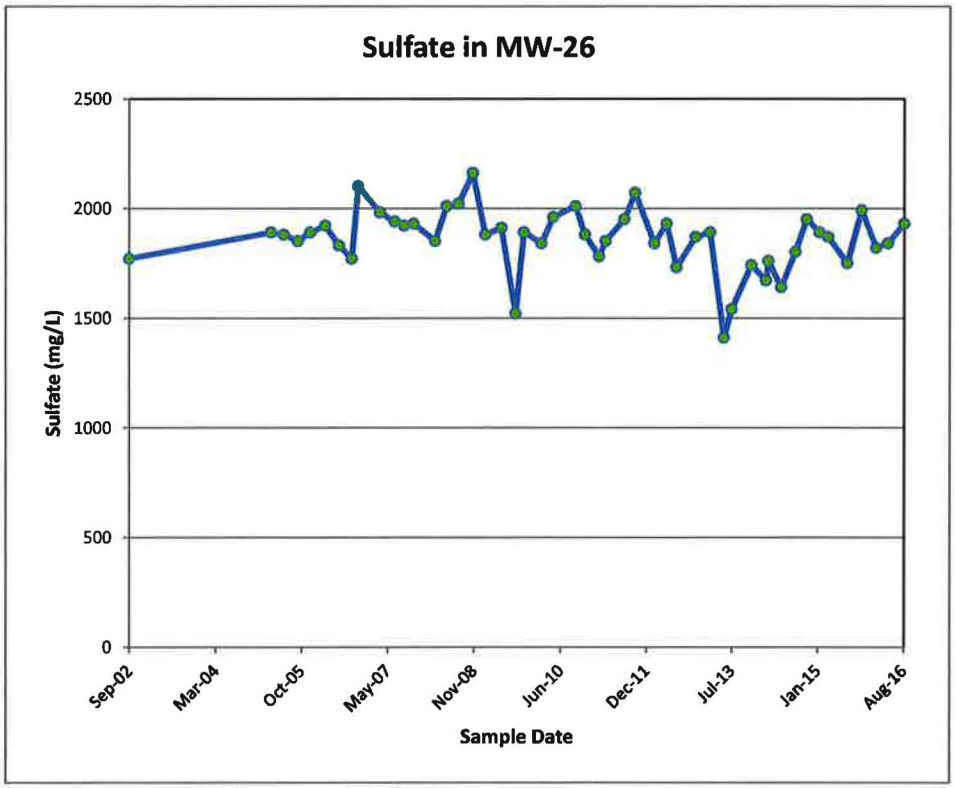


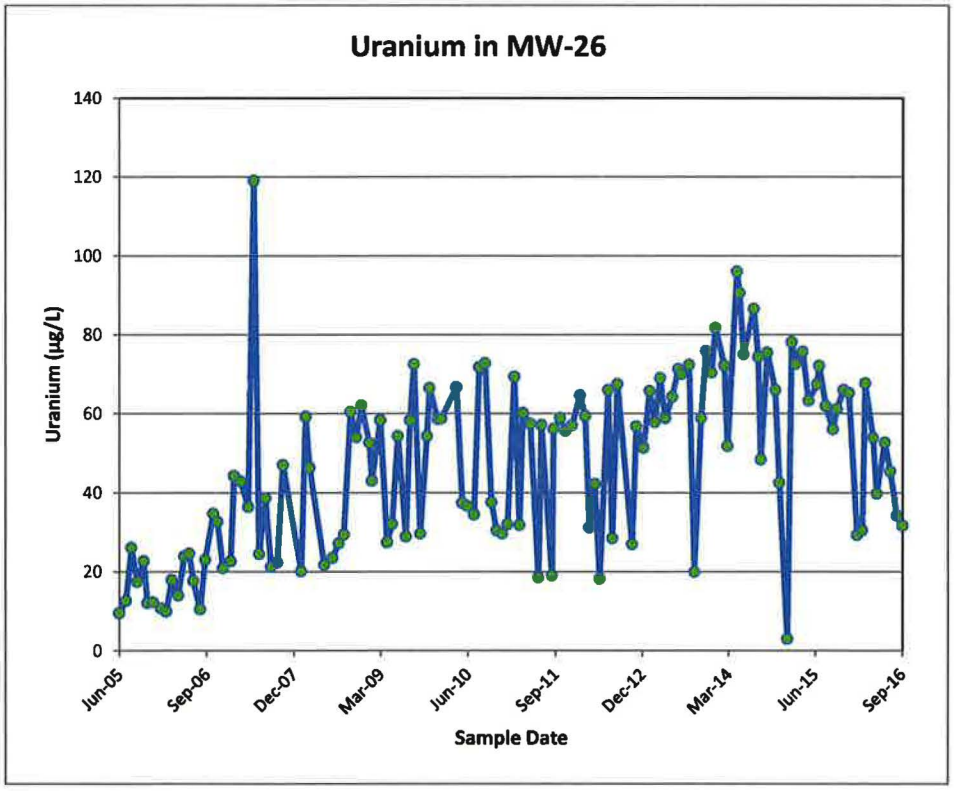


Detected Values

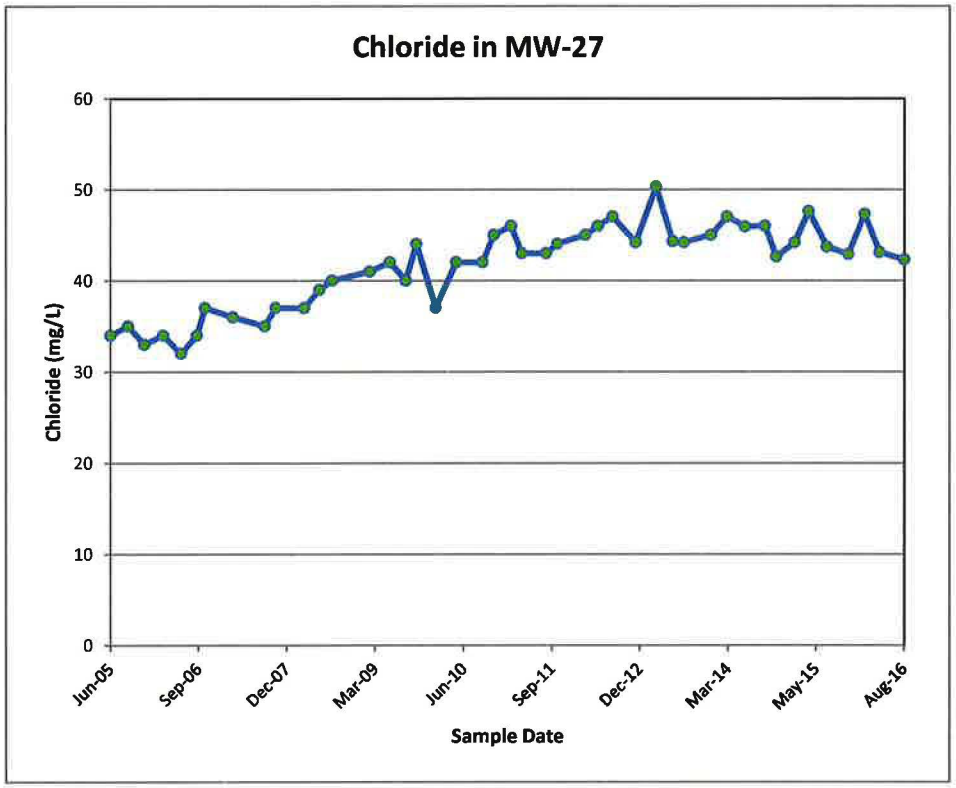
Non-Detected Values

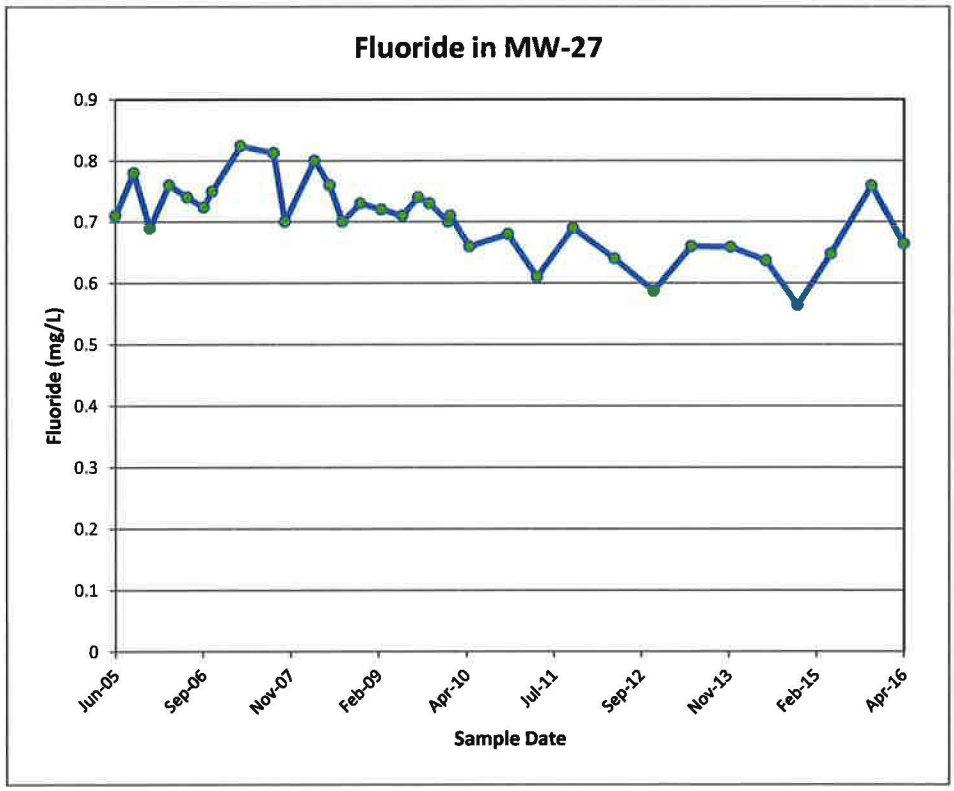
Time concentration plots for MW-26



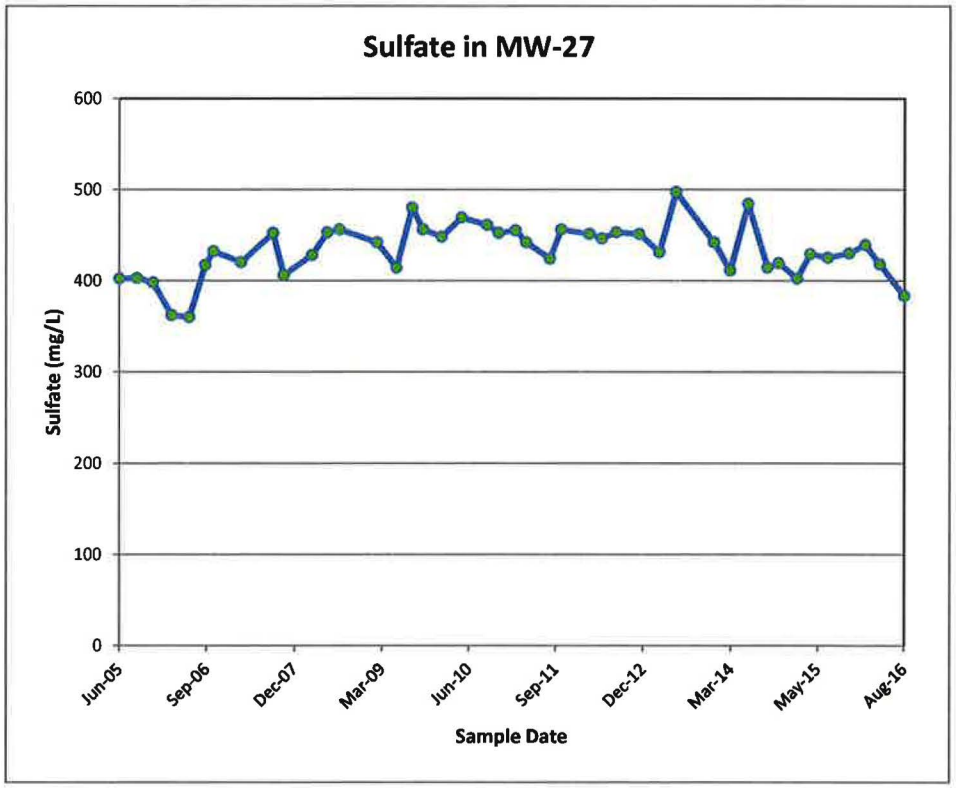


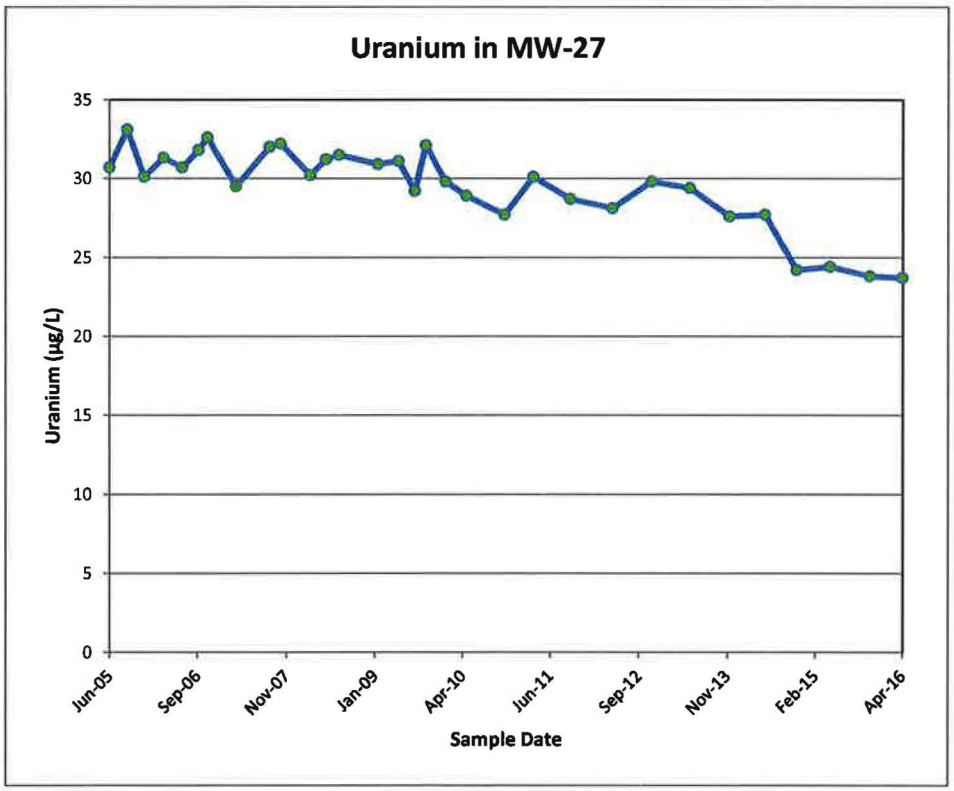
Time concentration plots for MW-27





Time concentration plots for MW-27

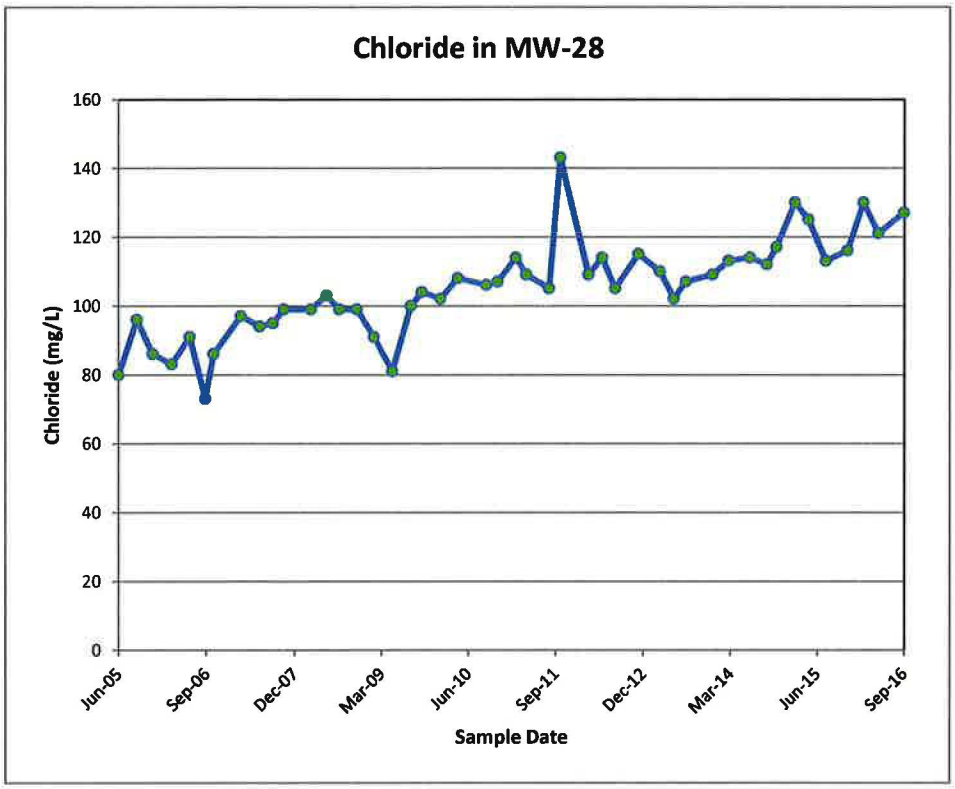


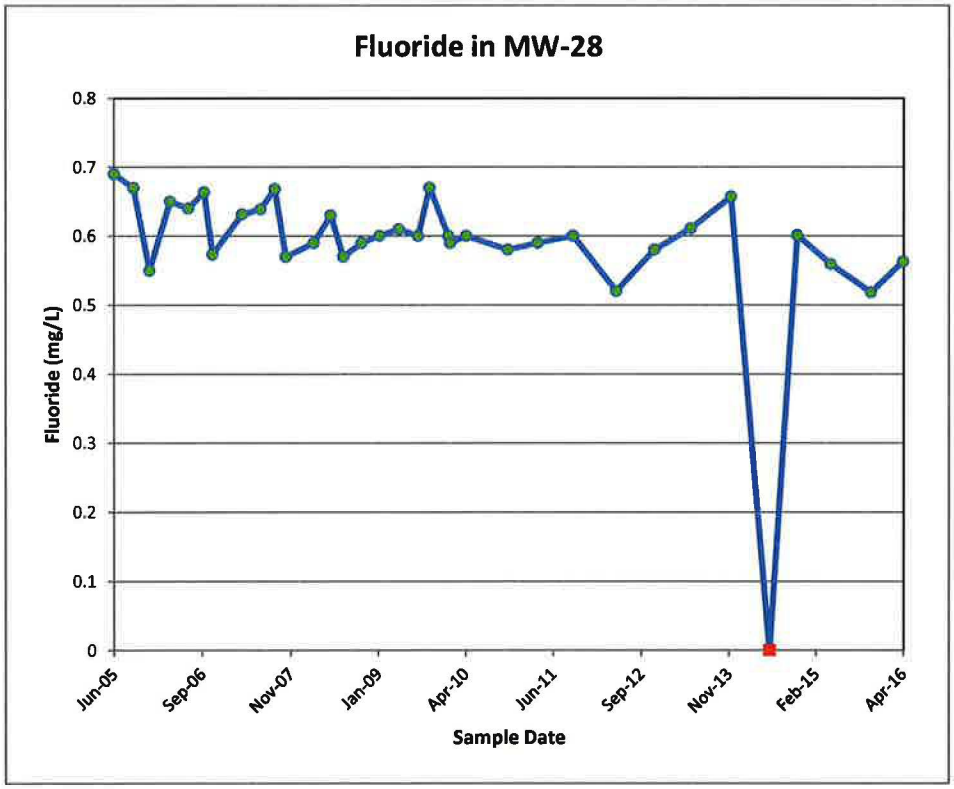


Detected Values

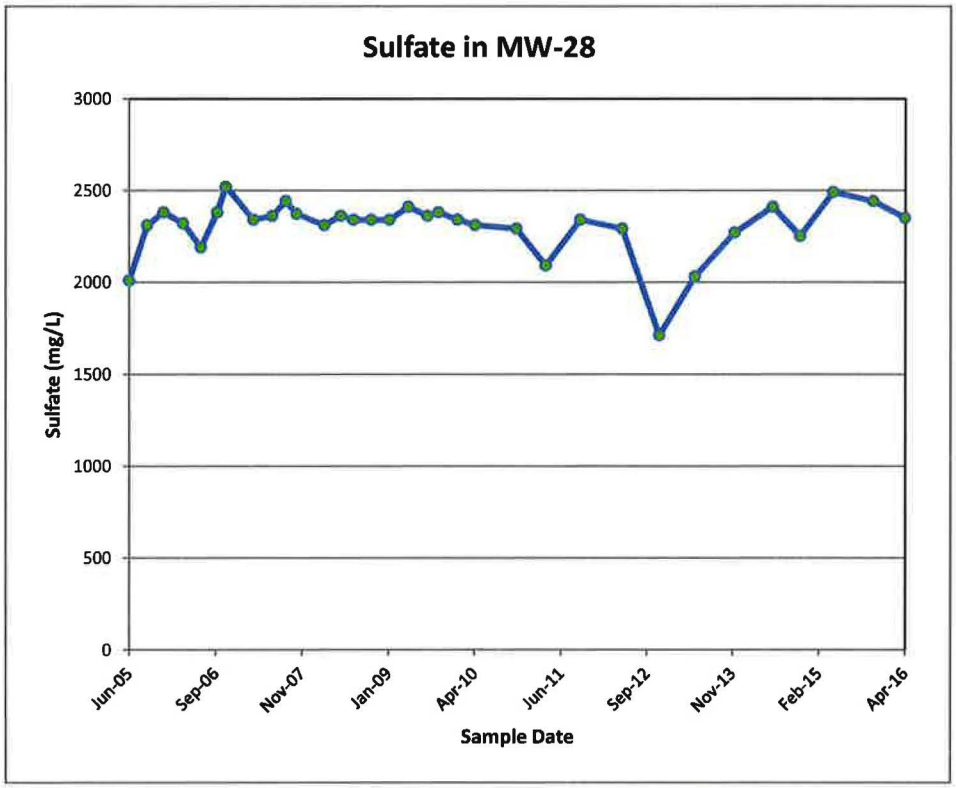
Non-Detected Values

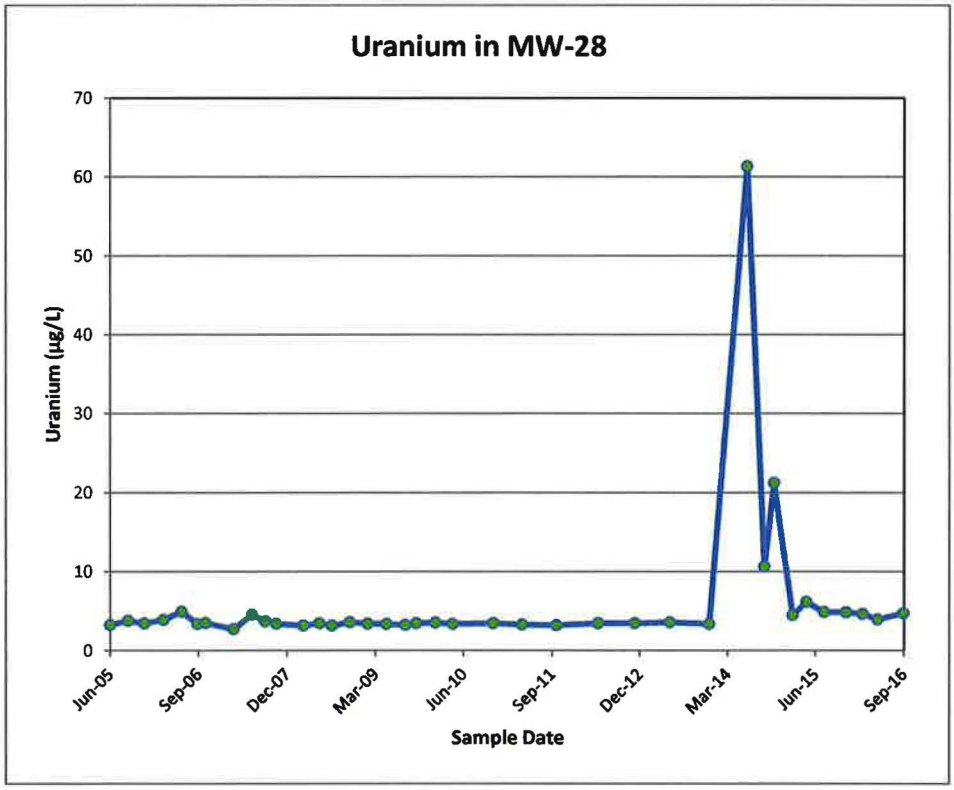
Time concentration plots for MW-28



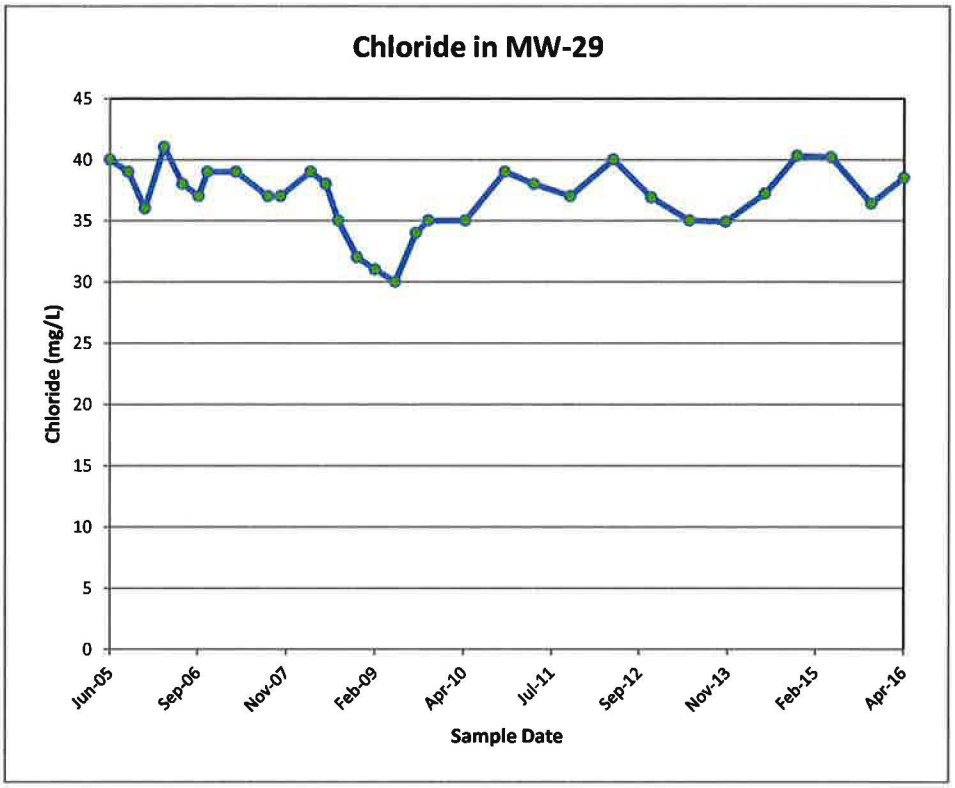


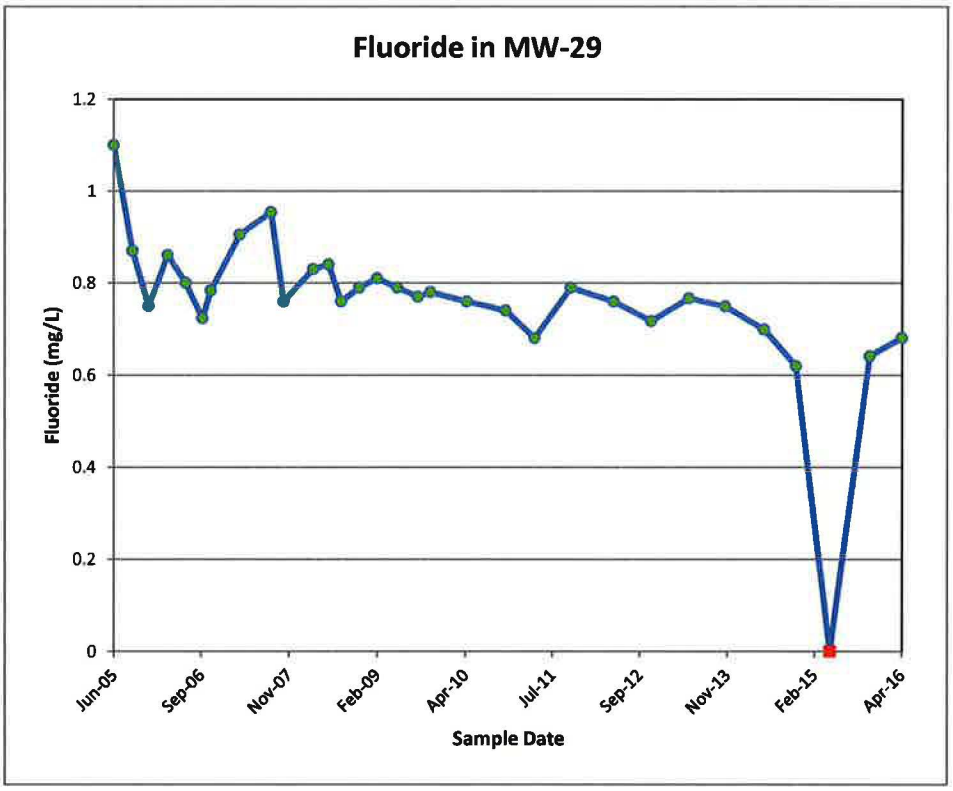
Time concentration plots for MW-28



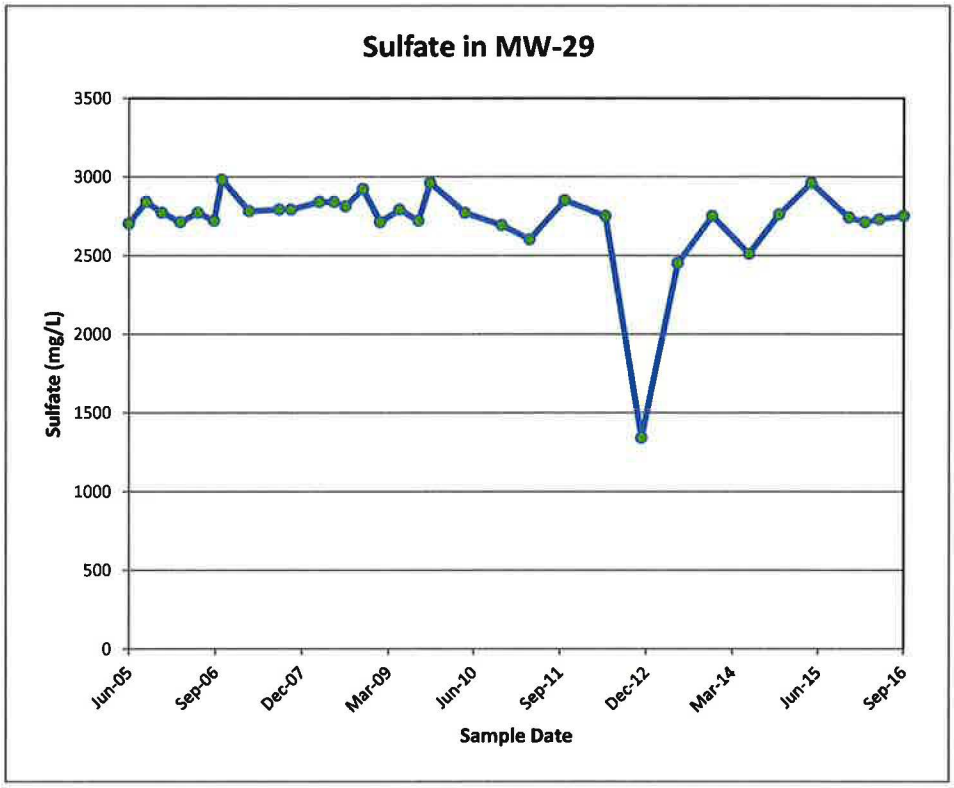


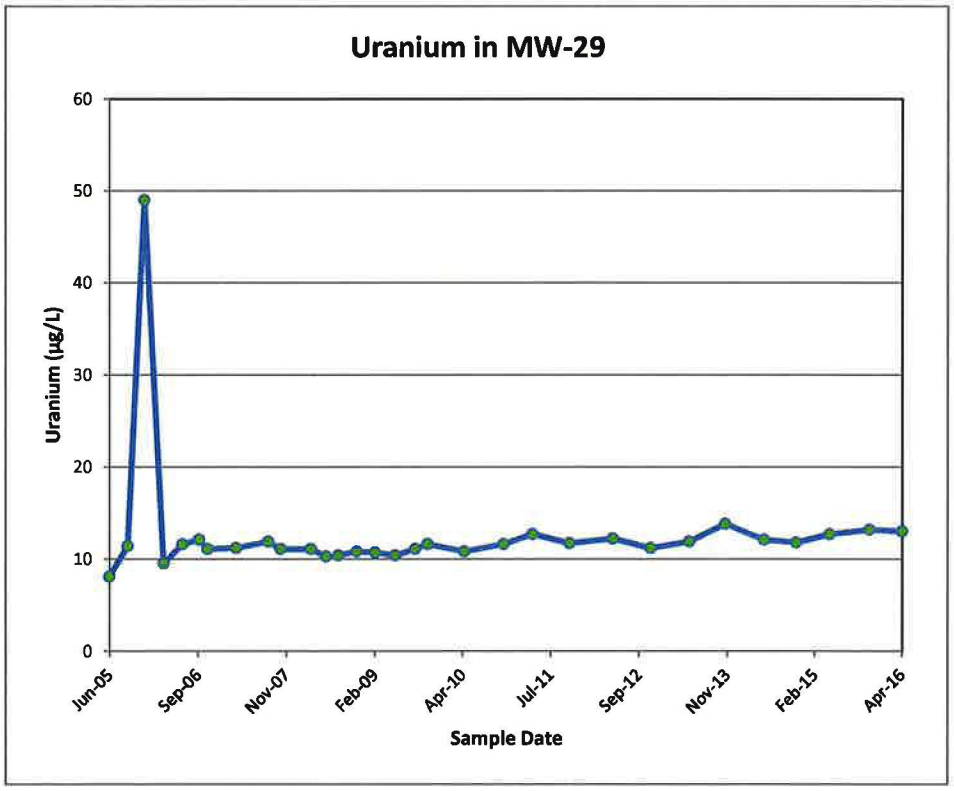
Time concentration plots for MW-29





Time concentration plots for MW-29

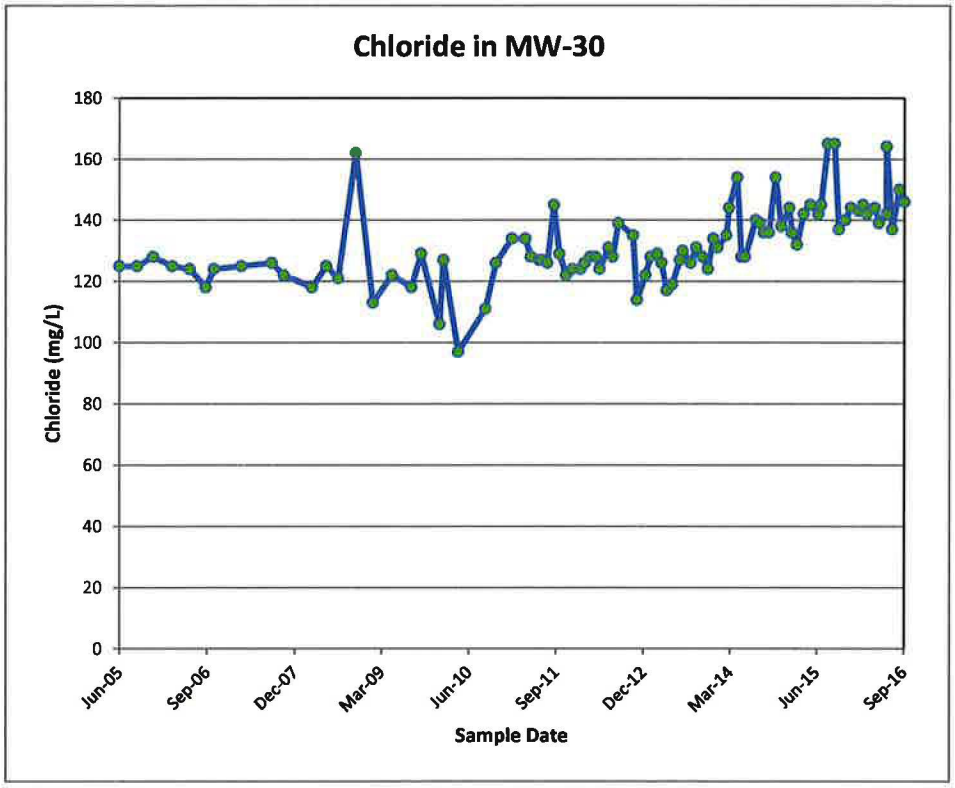


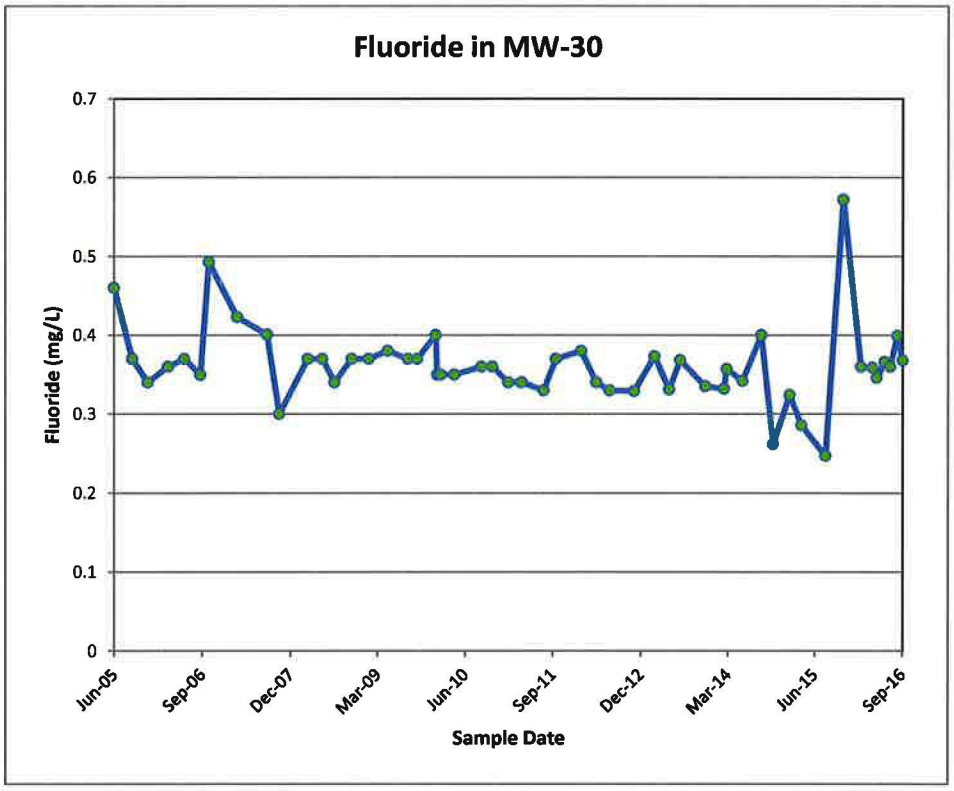


Detected Values

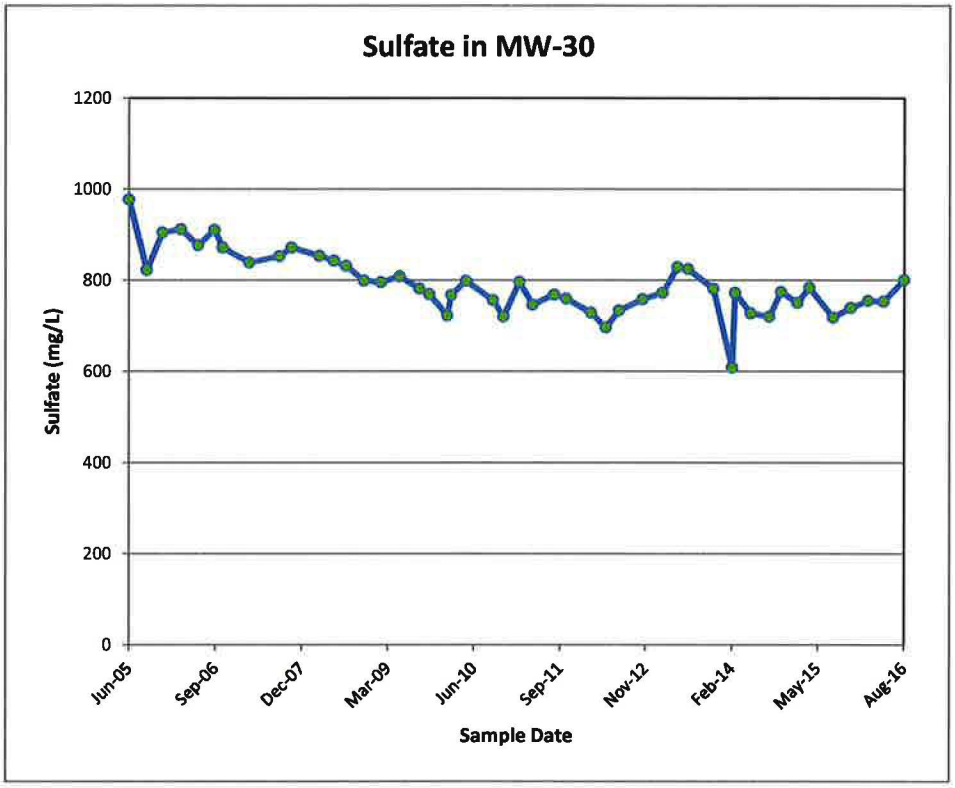
Non-Detected Values

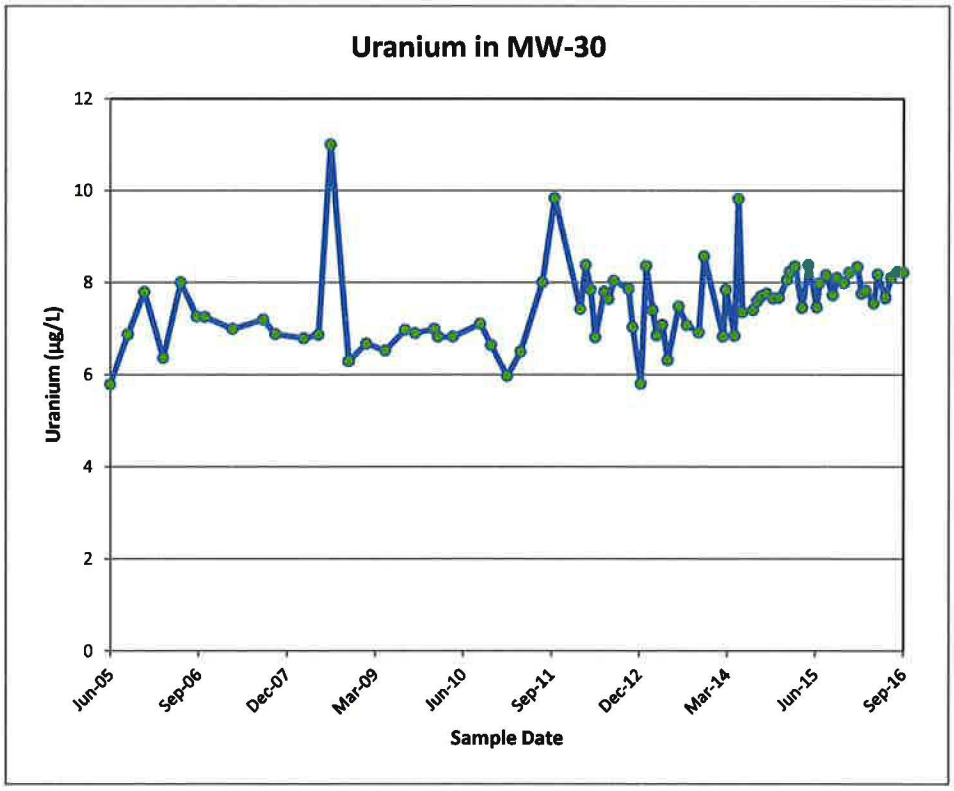
Time concentration plots for MW-30



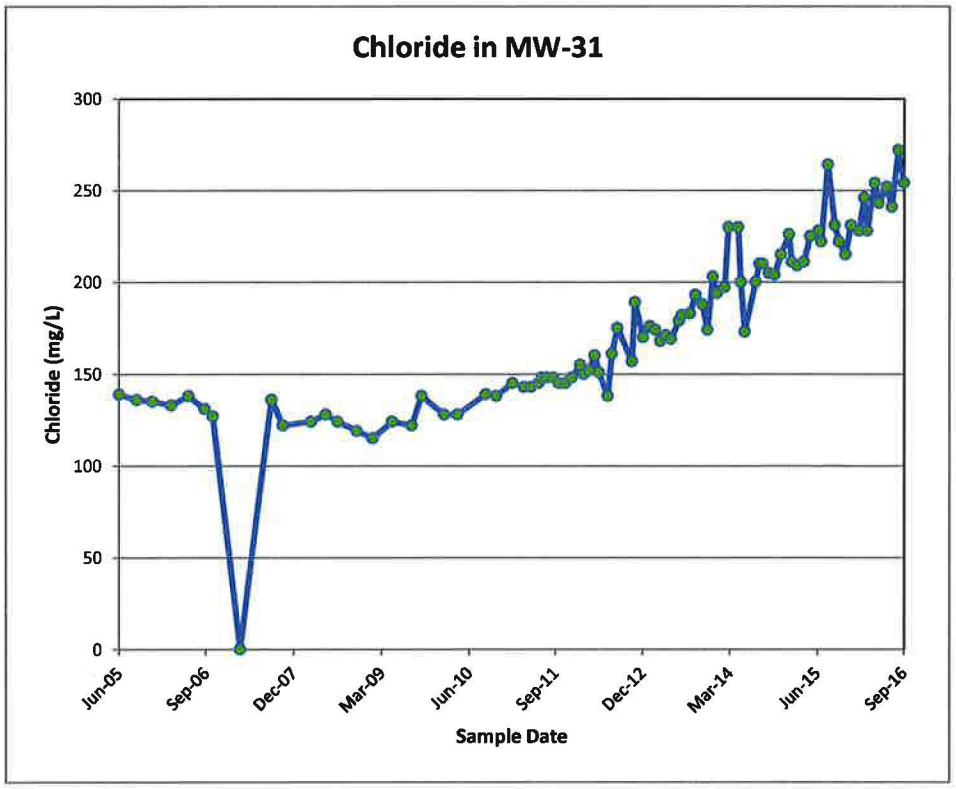


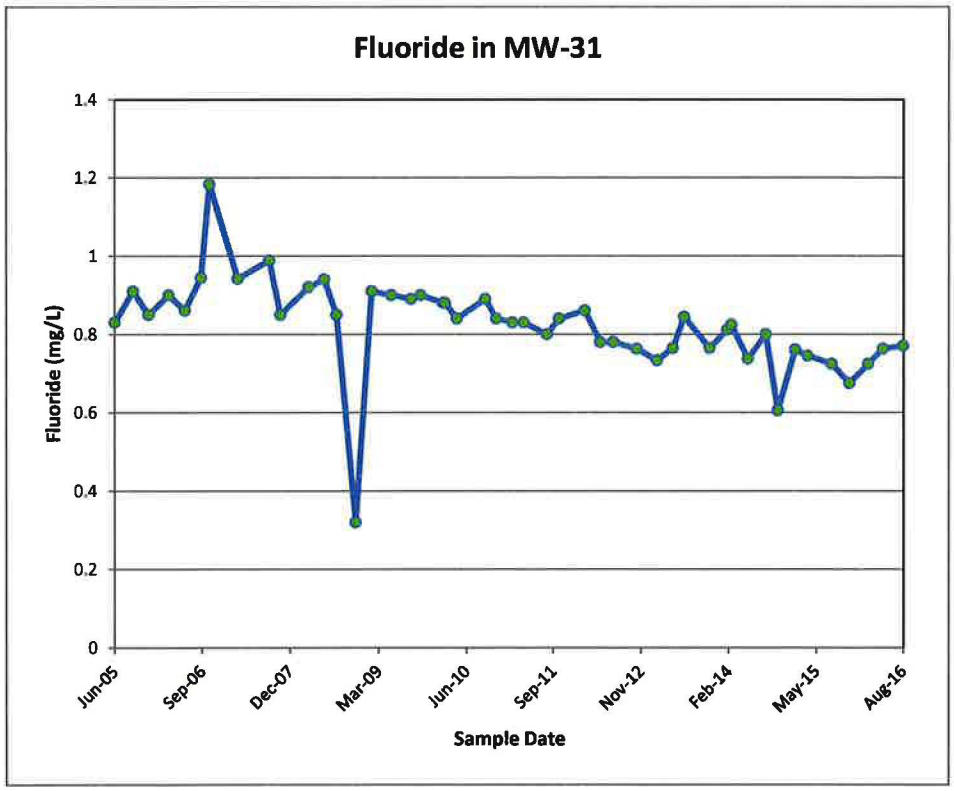
Time concentration plots for MW-30



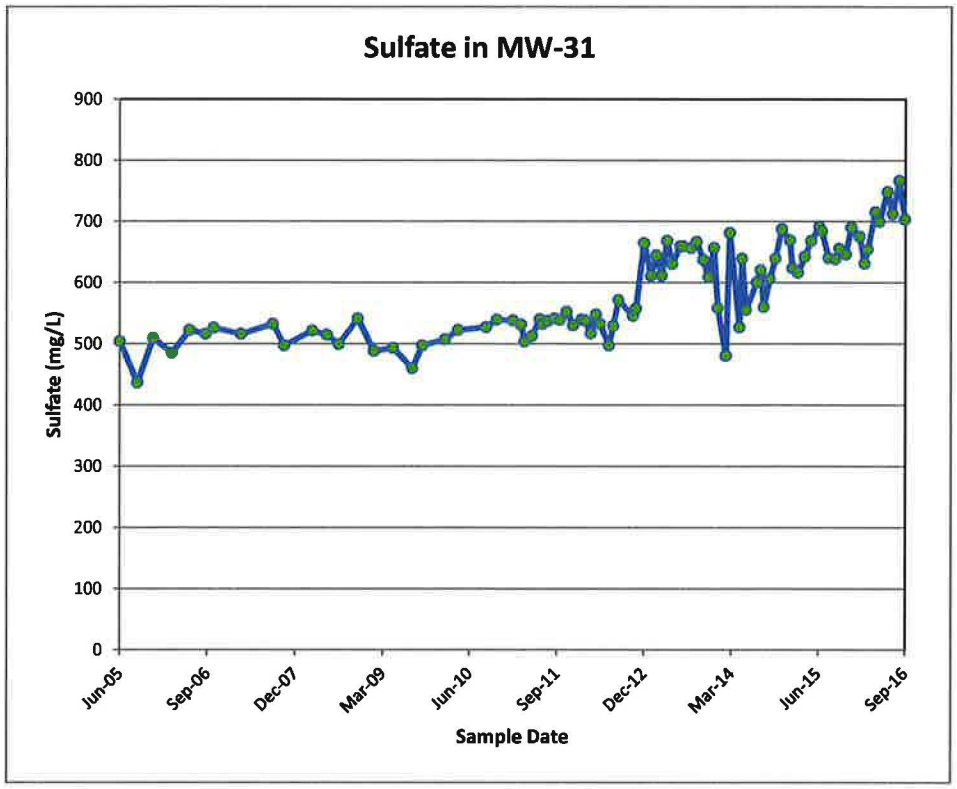


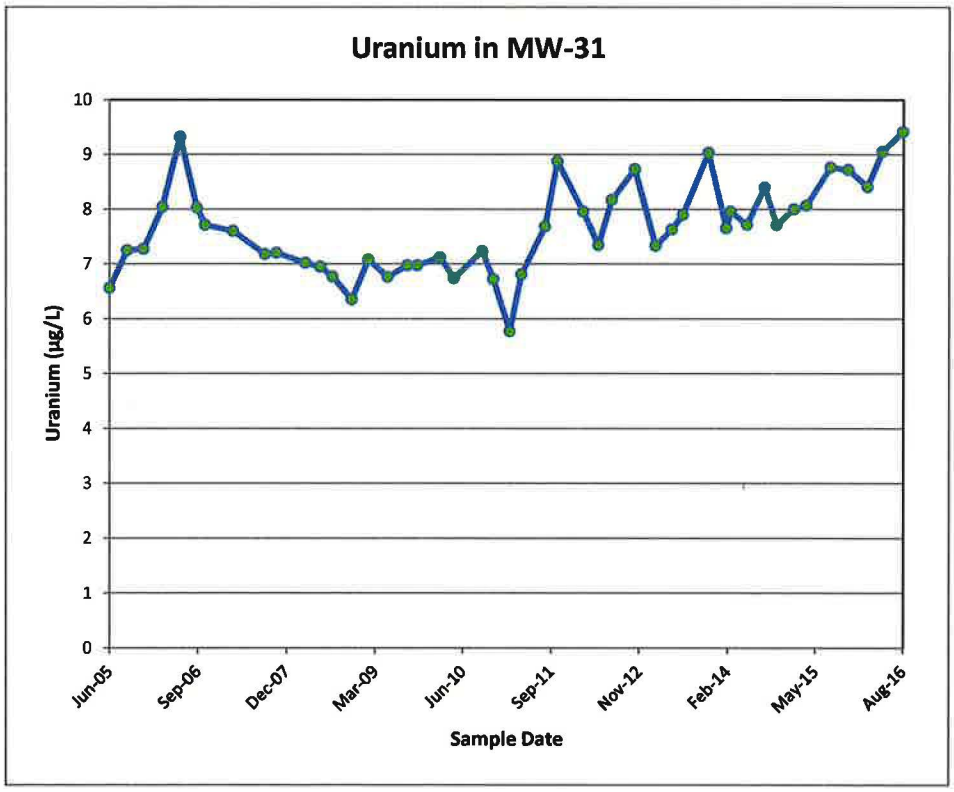
Time concentration plots for MW-31





Time concentration plots for MW-31

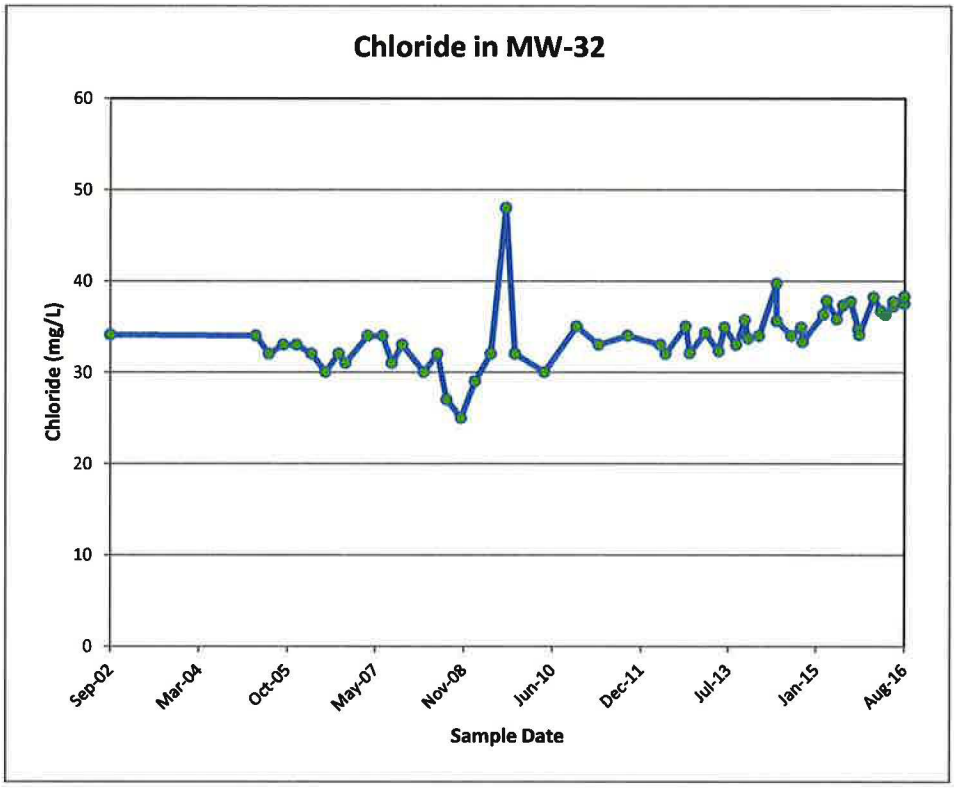


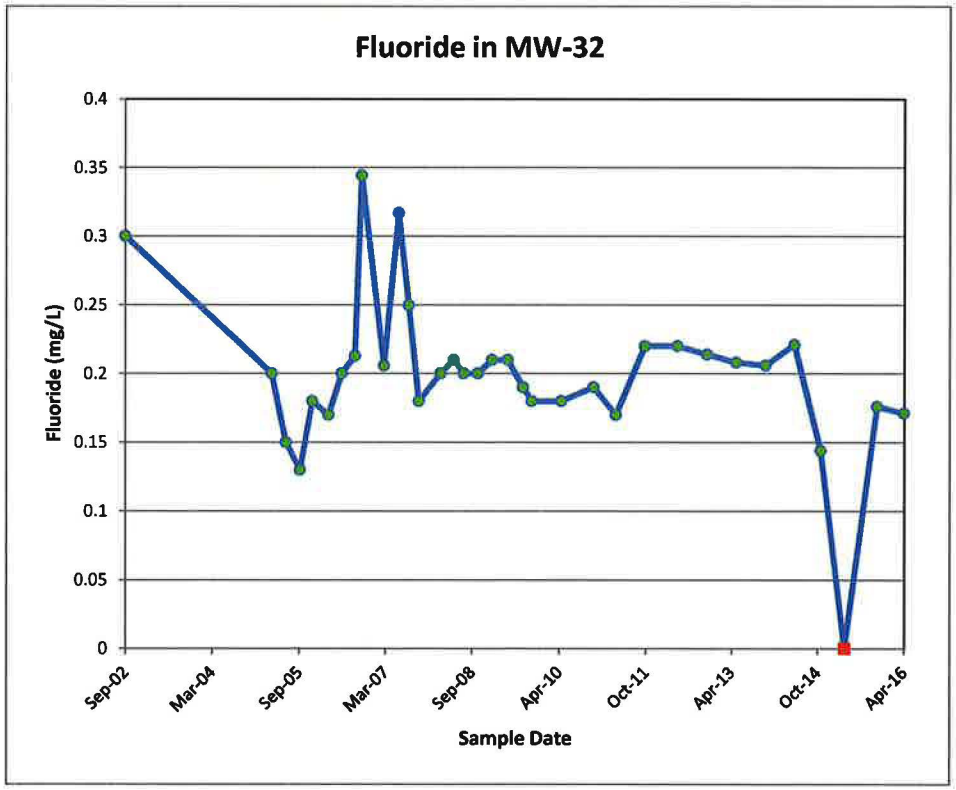


Detected Values

Non-Detected Values

Time concentration plots for MW-32

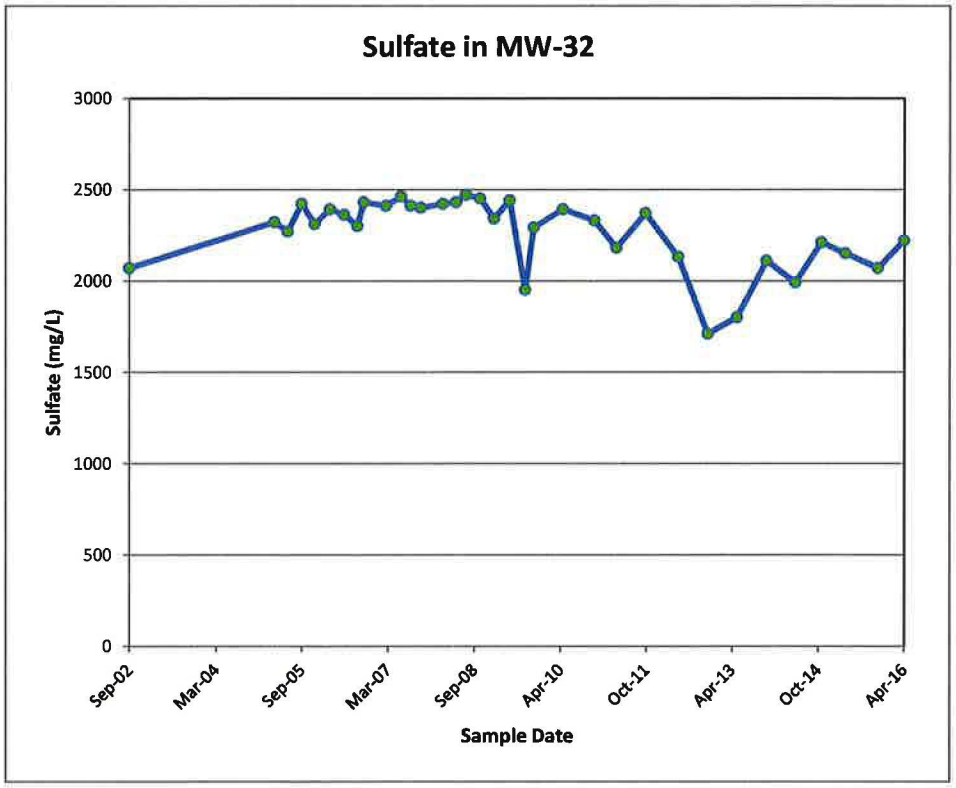


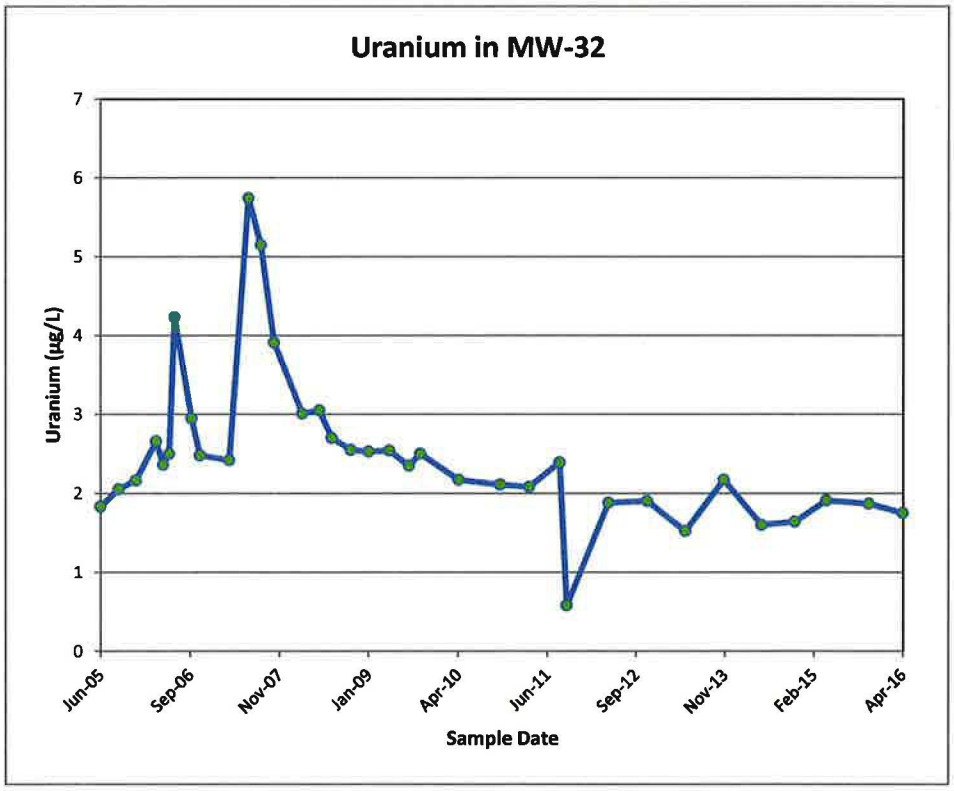


Detected Values

Non-Detected Values

Time concentration plots for MW-32

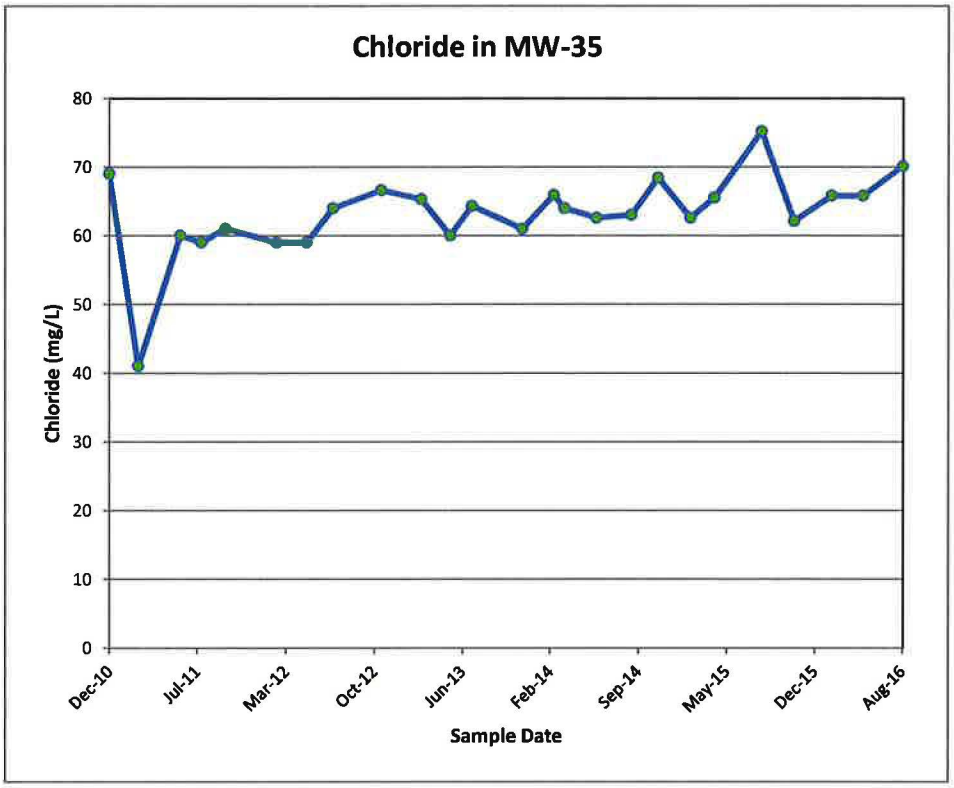


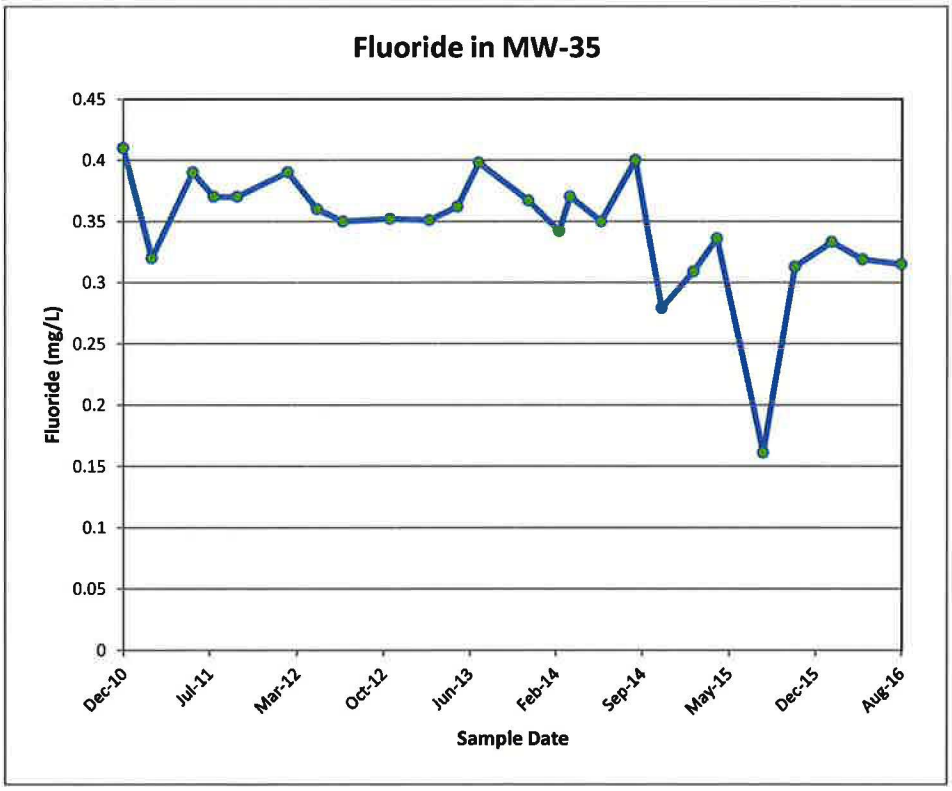


Detected Values

Non-Detected Values

Time concentration plots for MW-35

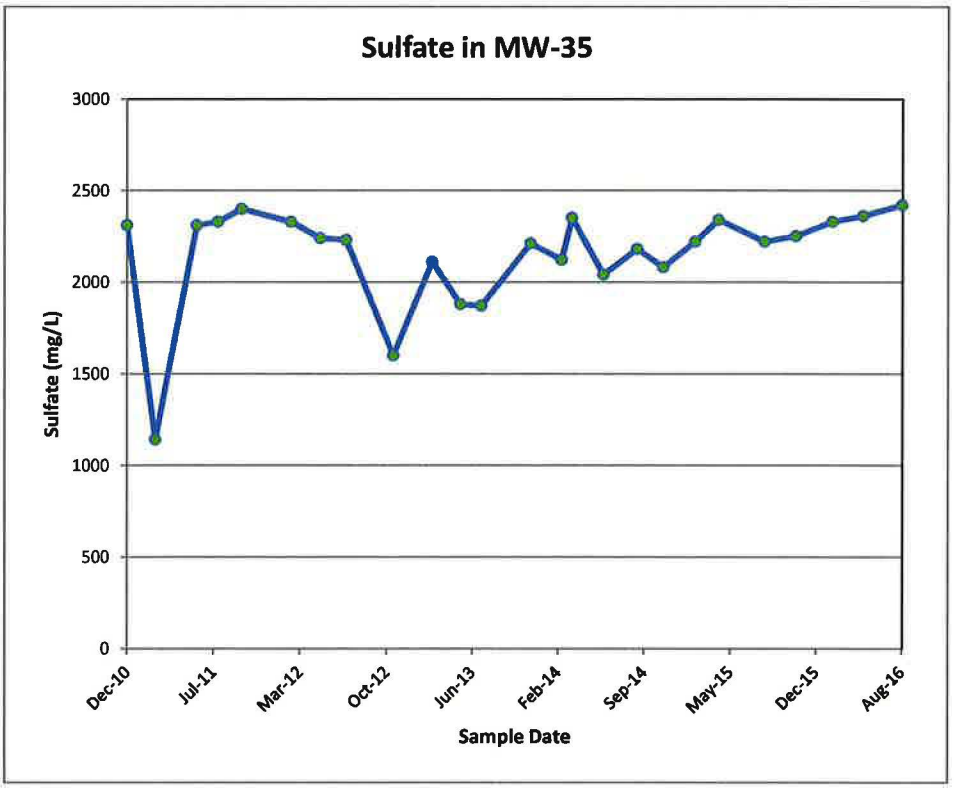


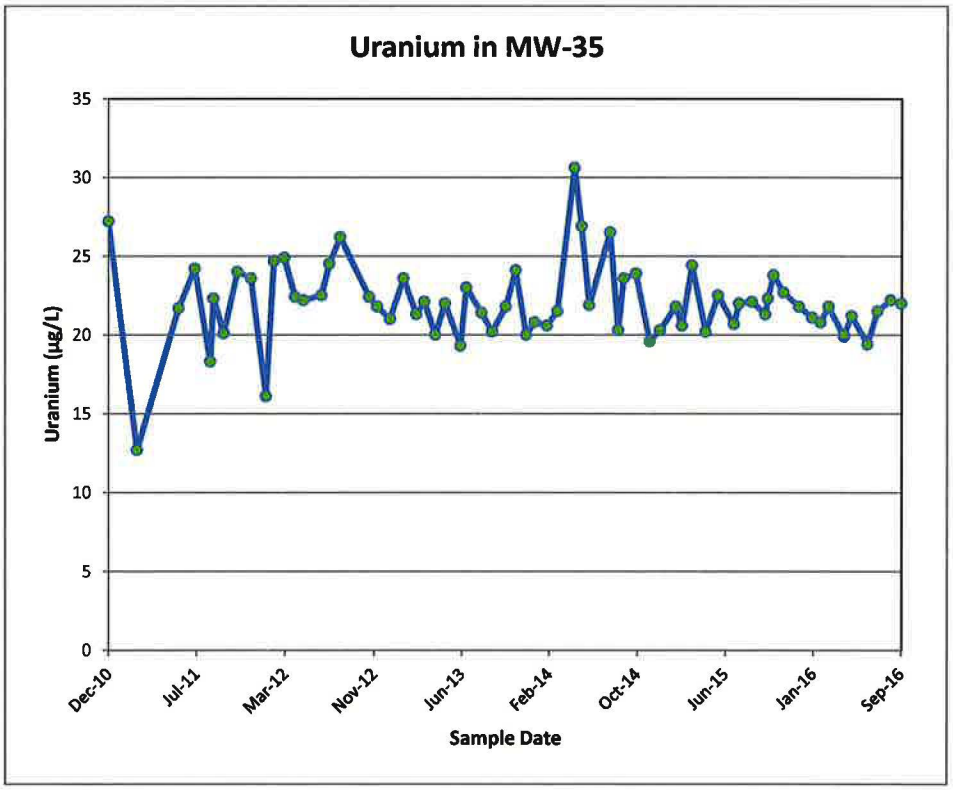


Detected Values

Non-Detected Values

Time concentration plots for MW-35

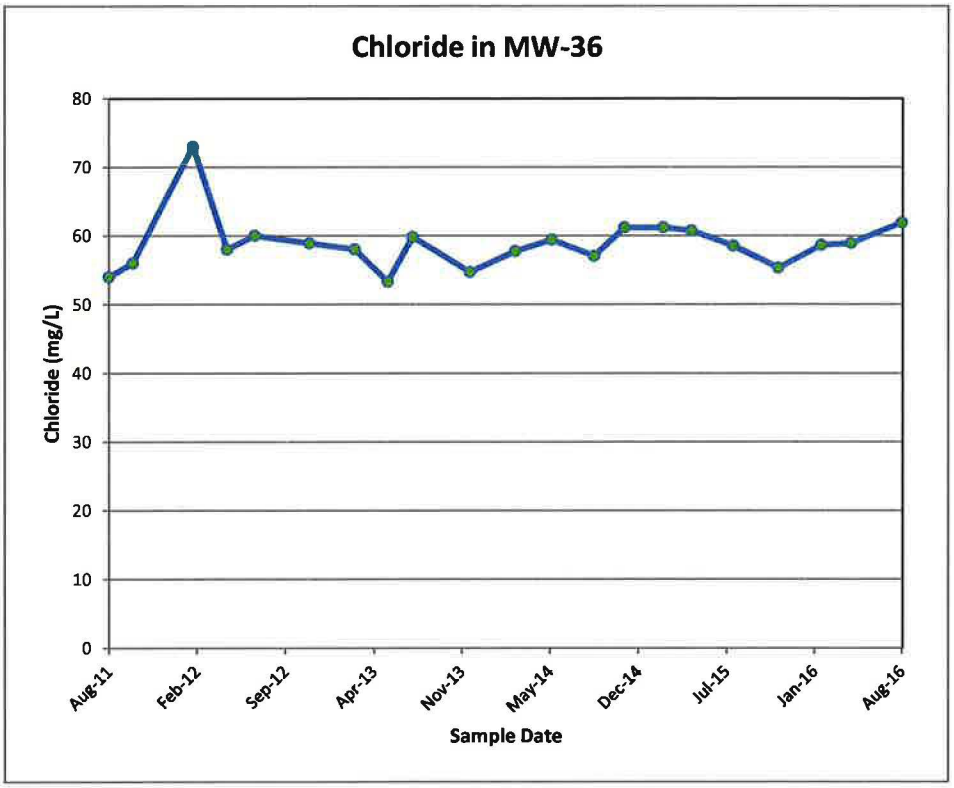


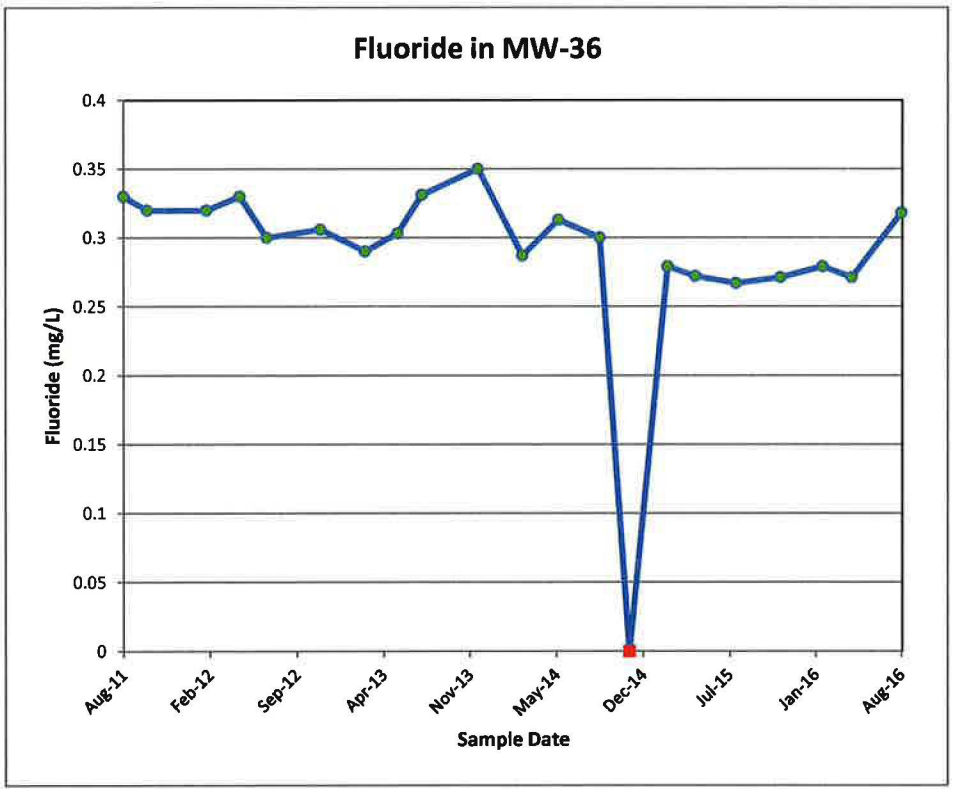


Detected Values

Non-Detected Values

Time concentration plots for MW-36

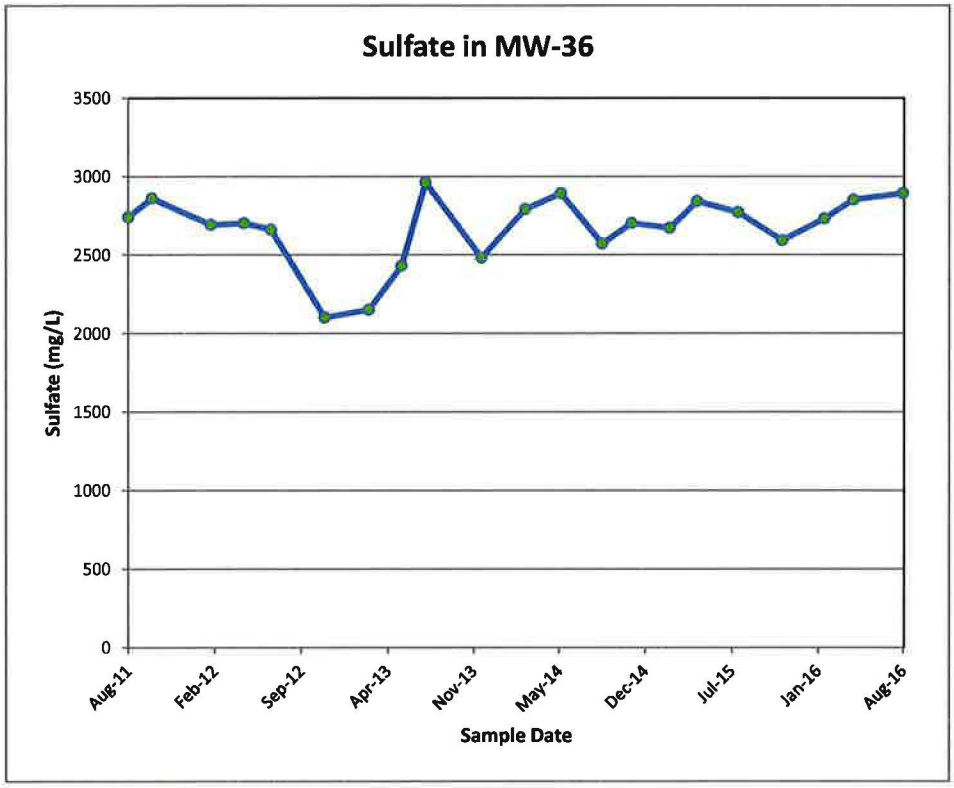


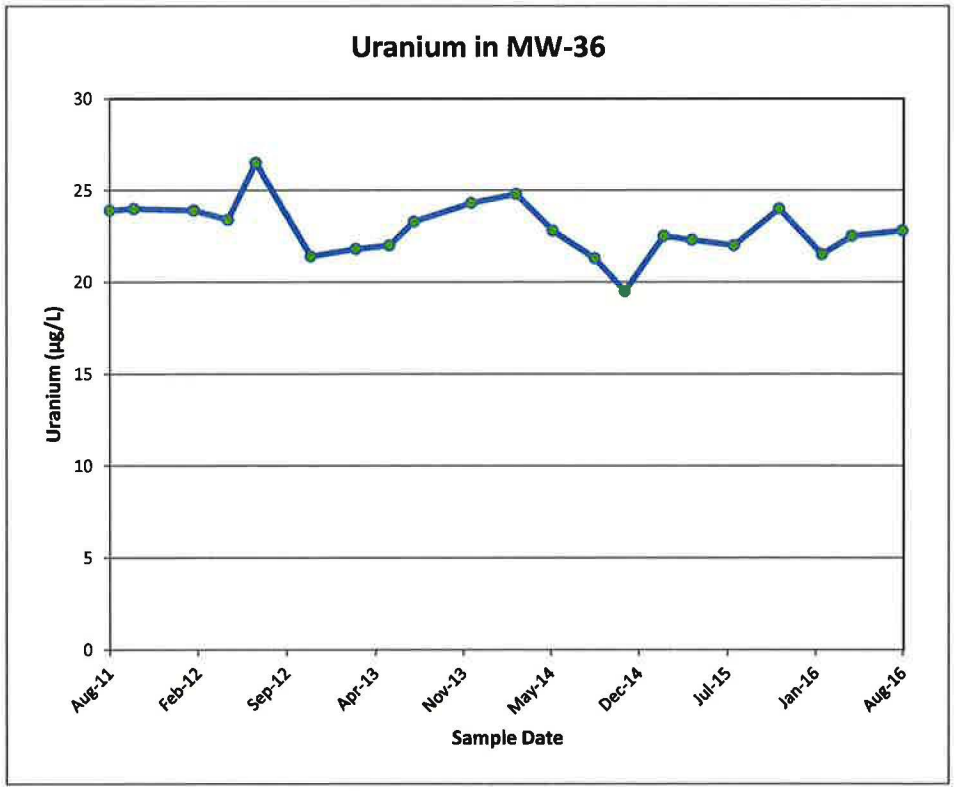


Detected Values

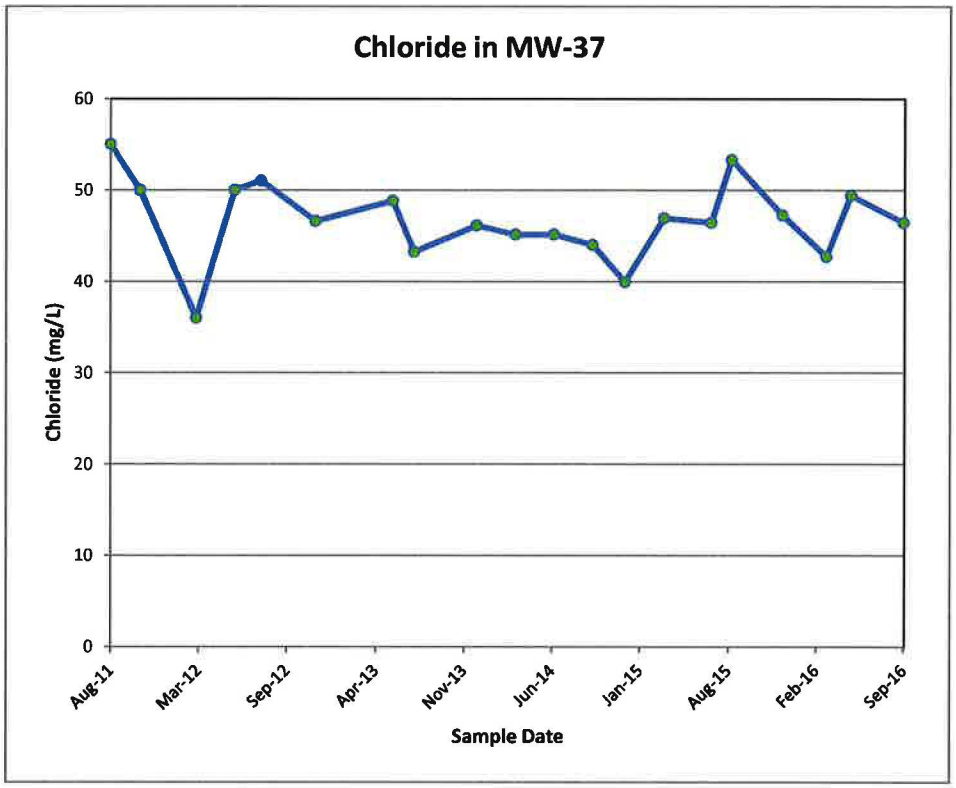
Non-Detected Values

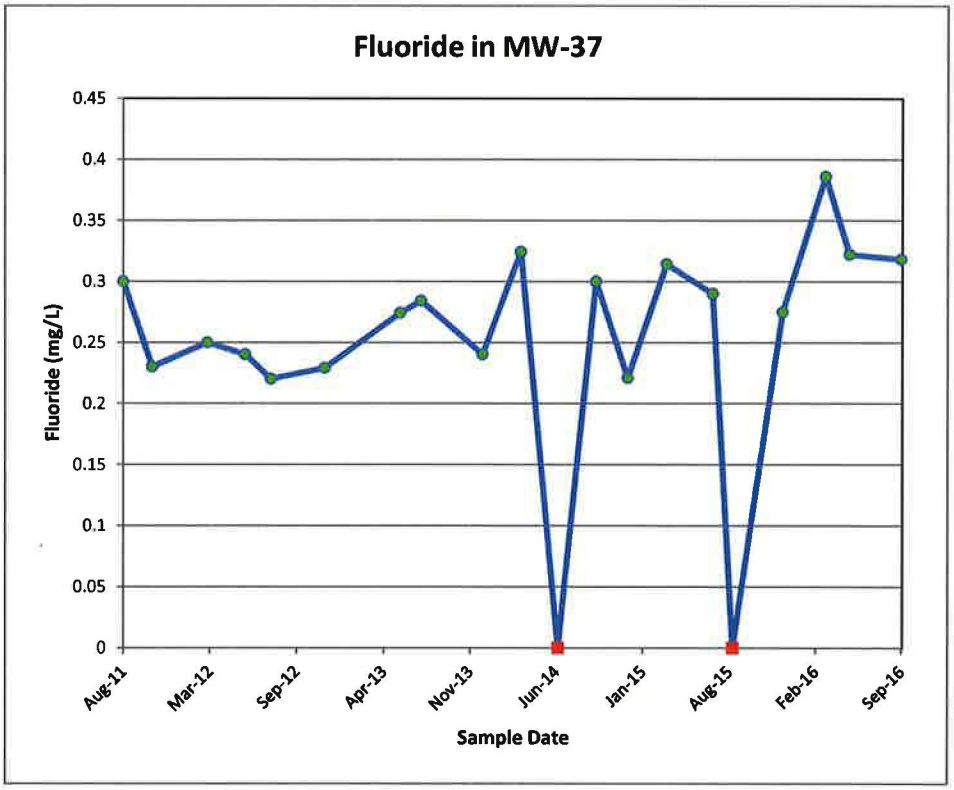
Time concentration plots for MW-36





Time concentration plots for MW-37

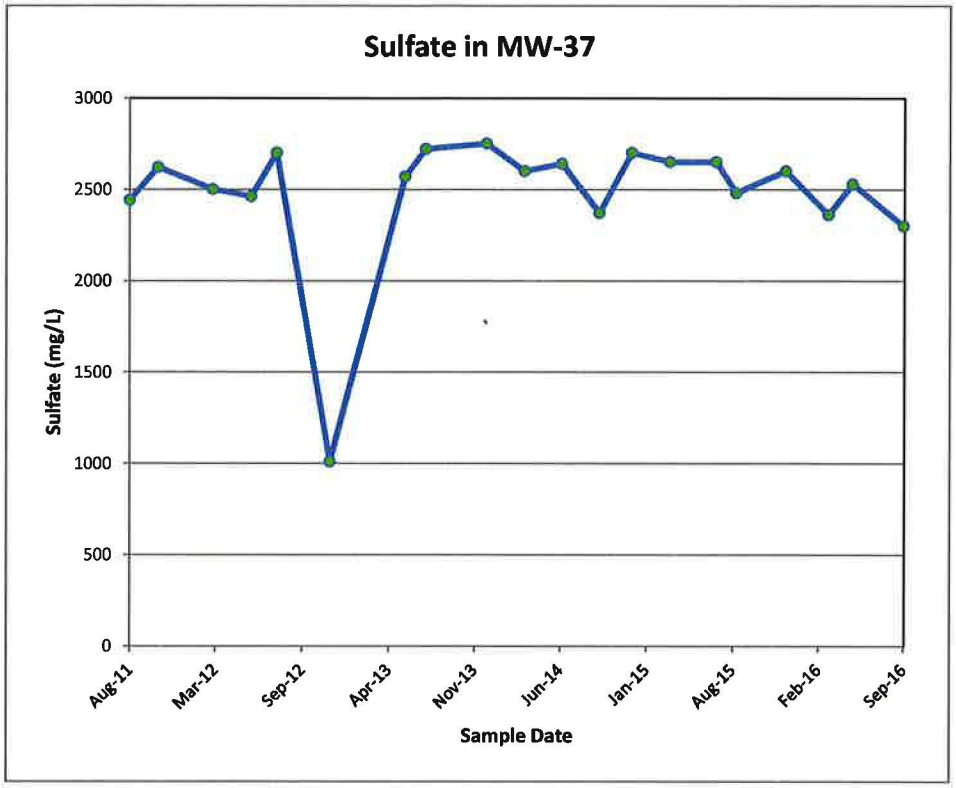


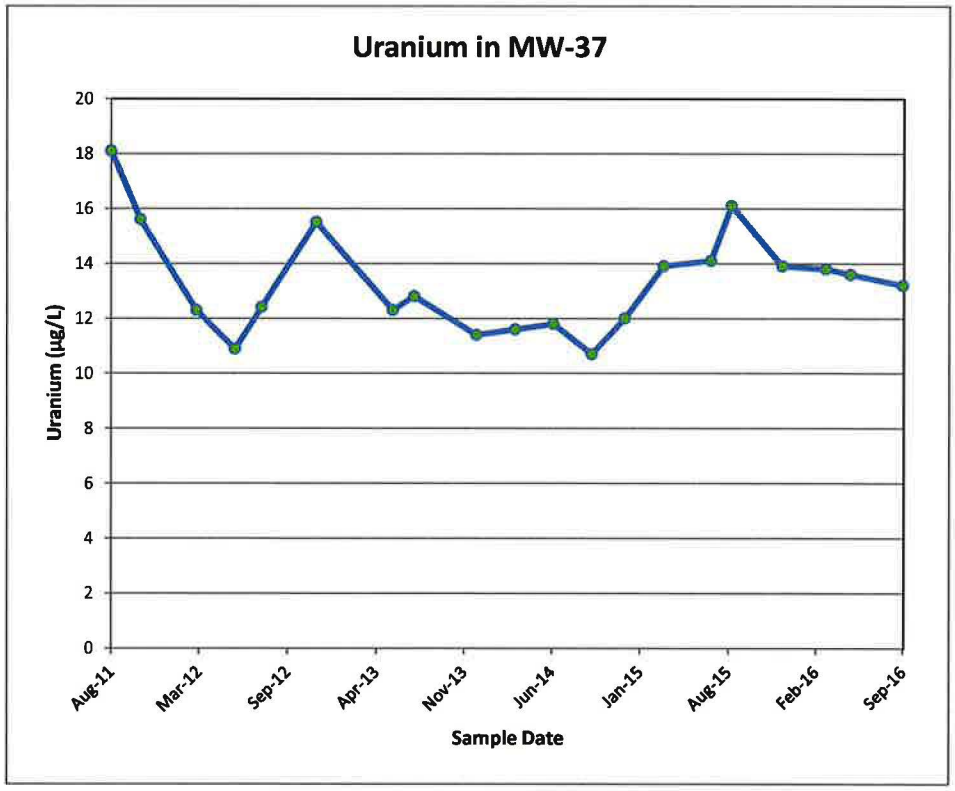


Detected Values

Non-Detected Values

Time concentration plots for MW-37





Tab J

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Friday, November 18, 2016 10:40 AM
To: 'Phillip Goble'
Cc: 'Thomas Rushing'; Harold Roberts; David Frydenlund; David Turk; Logan Shumway; Scott Bakken
Subject: Transmittal of CSV Files White Mesa Mill 2016 Q3 Groundwater Monitoring
Attachments: GW Q3 2016.csv

Dear Mr. Goble,

Attached to this e-mail is an electronic copy of laboratory results for groundwater monitoring conducted at the White Mesa Mill during the third quarter of 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