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

February 12, 2014

Sent VIA OVERNIGHT DELIVERY

Mr. Rusty Lundberg
Division of Radiation Control
Utah Department of Environmental Quality
195 North 1950 West
P.O. Box 144850
Salt Lake City, UT 84114-4820

Re: Transmittal of 4th Quarter 2013 Groundwater Monitoring Report
Groundwater Quality Discharge Permit UGW370004 White Mesa Uranium Mill

Dear Mr. Lundberg:

Enclosed are two copies of the White Mesa Uranium Mill Groundwater Monitoring Report for the 4th Quarter of 2013 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,

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

cc: David C. Frydenlund
Harold R. Roberts
David E. Turk
Dan Hillsten

White Mesa Uranium Mill

Groundwater Monitoring Report

State of Utah
Groundwater Discharge Permit No. UGW370004

4th Quarter
(October through December)
2013

Prepared by:

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

February 12, 2014

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ACRONYM LIST

AWAL	American West Analytical Laboratory
COC	Chain-of-Custody
DRC	Utah Division of 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	Groundwater Monitoring Quality Assurance Plan
QC	Quality Control
RPD	Relative Percent Difference
SOPs	Standard Operating Procedures
USEPA	United States Environmental Protection Agency

1.0 INTRODUCTION

This is the Routine Groundwater Monitoring Report, as required under Part I.F.1 of State of Utah Groundwater Discharge Permit No. UGW370004 (the "GWDP") for the fourth quarter of 2013 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 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 (October through December), as discussed in the remainder of this section.

2.1.1 Groundwater Compliance Monitoring

Groundwater samples and field measurements collected during the quarter included quarterly, semi-annual and accelerated monitoring. Accelerated monitoring is discussed below in Section 2.1.2. In the narrative in Sections 2 and 3 of this quarterly report, samples classified as being collected quarterly include those wells which are sampled every quarter and the wells sampled semi-annually. Wells which are sampled routinely every quarter and semi-annually were analyzed for the parameters listed in Table 2 and Part I.E.1.c) 2) ii of the GWDP dated August 24, 2012.

Table 1 of this report provides an overview of the 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 Radiation Control ("DRC").

In well MW-35, preliminary statistics of the analytical data have been analyzed every quarter since the completion of 8 quarters of sampling. The preliminary statistical results indicate that there were extreme values present in the data and as a result, there were not 8 statistically valid data points for the GWDP analytes. EFRI presented this information to DRC who agreed to delay the completion of the background report for MW-35 until 8 statistically valid data points were available for every analyte. As of the fourth quarter 2013, there are 8 statistically valid data points for the GWDP analytes in monitoring well MW-35.

With the completion of the fourth quarter 2013 sampling event, there are 10 quarters of data for MW-36 and MW-37. As of the fourth quarter 2013, there are 8 statistically valid data points for the GWDP analytes in monitoring well MW-36 and MW-37.

EFRI contacted DRC on January 27, 2014 regarding the completion of the background reports, specifically to inform DRC there was sufficient statistically valid data for MW-35, MW-36, and MW-37 and to set a due date for the completion of the background report. EFRI and DRC agreed that a background report for MW-35, MW-36, and MW-37 would be submitted to DRC on or before May 1, 2014.

2.1.4 Parameters Analyzed

Routine quarterly groundwater monitoring samples were analyzed for the parameters listed in Table 2 and Part I.E.1.c) 2) ii of the GWDP dated August 24, 2012. The

accelerated monitoring samples were analyzed for a more limited and specific parameter list as shown in Table 2.

2.1.5 Groundwater Head Monitoring

Depth to groundwater was measured in the following wells and/or piezometers, pursuant to Part I.E.3 of the GWDP dated August 24, 2012:

- The quarterly groundwater compliance monitoring wells (including, MW-34).
- Existing monitoring well MW-4 and the temporary chloroform investigation wells.
- Piezometers – P-1, P-2, P-3, P-4 and P-5.
- Nitrate monitoring wells.
- The DR piezometers which were installed during the Southwest Hydrogeologic Investigation.
- In addition to the above, depth to water measurements are routinely observed in conjunction with sampling events for wells sampled during quarterly and accelerated efforts, regardless of the sampling purpose.

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

2.2 Field Data

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

Attached under Tab C are copies of field data sheets recorded in association with the accelerated monthly monitoring and sampling efforts.

2.3 Laboratory Results - Quarterly Sampling

2.3.1 Copy of Laboratory Results

Analytical results are provided by the Mill's two contract analytical laboratories: GEL Laboratories, Inc. ("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.

The laboratory report dates for samples collected for the monthly accelerated sampling (i.e. quarterly accelerated to monthly) are provided in Table 1. 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.

Copies of laboratory QA/Quality Control ("QC") Summaries are included with the reported data under their corresponding Tabs.

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, a background report, which will establish GWCLs for MW-35, MW-36, and MW-37 based on background groundwater quality data results, will be submitted to DRC on or before May 1, 2014.

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 the Q3 2013 sampling events 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

The analytical results for the accelerated monthly monitoring of the various constituents in certain monitoring wells for the quarter are provided at Tab F.

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 January 20, 2010, and the effect of the issuance of the revised GWDP was to create a "clean slate" for all constituents in all wells going forward.

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

2.4.3 Compliance Status

Analytes that have exceeded the GWCLs set forth in the GWDP are summarized in Table 2. The analytes which exceeded their respective GWCLs during the quarter will be sampled on an accelerated schedule as noted in Table 2. A review of the accelerated data collected during the quarter indicate that several analytes have exceeded their respective GWCLs for two consecutive sampling periods as reported in EFRI's letter to DRC on February 10, 2014. Table 3 summarizes the results of the accelerated sampling program from first quarter 2010 through fourth quarter 2013.

Part I.G.1 c) of the GWDP states, with respect to exceedances of GWCLs, "that 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 Discharge Minimization Technology or Best Available Technology will be reestablished." EFRI submitted an exceedance notice on February 10, 2014 for the fourth quarter 2013 results. 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 DRC Staff in teleconferences on April 27 and May 2, 2011 and the constituents covered by previously submitted Source Assessment 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 Chain-of-Custody ("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 and discussed in Section 3.4, below.

3.1 Field QC Samples

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

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

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

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

One trip blank per month was provided by AWAL and returned and analyzed with the accelerated monthly monitoring samples.

Rinsate samples were not collected during the quarter because equipment used during sample collection was dedicated and did not require decontamination. All wells except MW-20 and MW-37 have dedicated pumps for purging and sampling and as such no rinsate blanks samples are required. MW-20 and MW-37 were purged and 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 quarterly sampling (quarterly to monthly) required for this quarter, as shown in Tables 2 and 3, was performed as required.

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

3.4 Data Validation

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

3.4.1 Field Data QA/QC Evaluation

The QA Manager performs a review of field recorded parameters to assess their adherence with QAP requirements. The assessment involved review of two sources of information: the Field Data Sheets and the Quarterly Depth to Water summary sheet. Review of the Field Data Sheets addresses well purging volumes and the stability of the following field parameters (based upon the purging method chosen): 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 five wells that were purged to dryness: MW-03A, MW-20, MW-23, 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-20, MW-23, and MW-37, which were evacuated to dryness before two casing volumes could be removed. MW-20 and MW-37 have insufficient water to purge using a pump. Due to the small volume of water present, these wells are purged and sampled using a disposable bailer. MW-20 and MW-37 conformed to the QAP, Revision 7.2 requirement for sampling low yield wells which includes the collection of three field parameters (pH, specific conductance ["conductivity"] and temperature) immediately prior to and immediately following sample collection. Stabilization of pH, conductivity and temperature were within the 10% RPD required by QAP, Revision 7.2. MW-03A 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 wells 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-03, MW-18, MW-22, MW-23, MW-25, MW-29, and MW-32. Per the QAP, Revision 7.2, Attachment 2-3, turbidity measurements prior to sampling were within a 10% RPD for the quarterly and semi-annual wells.

- Turbidity measurements were less than 5 NTU for the accelerated sampling wells except MW-25 in the October monthly event. As previously noted, the QAP does not require that turbidity be less than 5 NTU. Turbidity measurements prior to sampling were within a 10% RPD for the accelerated sampling wells

The other field parameters (conductance, pH, redox potential, and temperature) for the wells were within the required RPD for the quarterly, semi-annual and accelerated sampling.

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

EFRI's letter to DRC of March 26, 2010 discusses further why turbidity does not appear to be an appropriate parameter for assessing well stabilization. In response to DRC'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 DRC on September 30, 2011. DRC responded to the redevelopment report via letter on November 15, 2012. Per the DRC 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 reporting limits reported by both laboratories were checked against the reporting limits specified in the QAP Table 1. Reporting limit evaluations are provided in Tab G. The analytes were measured and reported to the required reporting limits except that several sets of quarterly, semi-annual and accelerated sample results had the reporting limit raised for at least one analyte due to matrix interference and/or sample dilution as noted in Section 3.4.9. In all cases the reported value for the analyte was higher than the increased detection limit.

It should be noted that in the GEL data, the reporting limit is shown under the heading "CRDL" (client required reporting limit) in the hardcopy data packages included in Tabs E and F.

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 less than detection level for the GWDP 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 required 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 and semi-annual samples. Results of the RPD test are provided under Tab G.

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

3.4.8 Radiologics Counting Error and Duplicate Evaluation

Section 9.14 of the QAP requires that gross alpha analysis reported with an activity equal to or greater than the GWCL, 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 duplicate sample results met the requirements of Section 9.4 of 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.

Multiple sets of quarterly, semi-annual and accelerated sample results had the reporting limit raised for at least one analyte due to matrix interference and/or sample dilution. In all cases the reported value for the analyte was higher than the increased detection limit.

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 AWAL data recoveries and RPDs which are outside the laboratory established acceptance limits do not affect the quality or usability of the data because the recoveries and RPDs above or below the acceptance limits are indicative of matrix interference most likely caused by other constituents in the samples. Matrix interferences are applicable to the individual sample results only. The requirement in the QAPs 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.

4.0 CORRECTIVE ACTION REPORT

There are no corrective actions resulting from the fourth quarter 2013 groundwater sampling event.

4.1 Assessment of Corrective Actions from Previous Period

The third quarter 2013 groundwater report identified a corrective action for missed accelerated monitoring for uranium in MW-30 in September 2013 due to an unscheduled power outage. To address this omission, the QA Manager implemented electronic COCs with hard copy backup based on the exceedances reported in the previous quarter. No accelerated samples were missed during the fourth sampling event and no unscheduled power outages were recorded. No further assessment of this corrective action is necessary at this time.

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 DRC, the data have been included in the quarterly time concentration plots since first quarter 2012. Future time concentration plots will include all data points.

6.0 ELECTRONIC DATA FILES AND FORMAT

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

7.0 SIGNATURE AND CERTIFICATION

This document was prepared by Energy Fuels Resources (USA) Inc. on February 12, 2014.

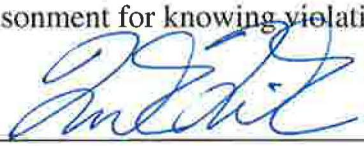
ENERGY FUELS RESOURCES (USA) INC.

By:

Frank Filas, P.E
Vice President, Permitting and Environmental 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.



Frank Filas, P.E
Vice President, Permitting and Environmental Affairs
Energy Fuels Resources (USA) Inc.

Tables

Table 1: Summary of Well Sampling for Q4 2013

Well	Normal Frequency	Purpose for sampling this quarter	Sample Date	Date of Lab Report
MW-01	Semi-annually	Semi-annually	12/4/2013	(12/18/2013) [12/26/2013]
MW-02	Semi-annually	Semi-annually	12/5/2013	(12/18/2013) [12/26/2013]
MW-03	Semi-annually	Semi-annually	12/11/2013	(12/24/2013) [1/6/2014]
MW-03A	Semi-annually	Semi-annually	12/11/2013	(12/24/2013) [1/6/2014]
MW-05	Semi-annually	Semi-annually	12/4/2013	(12/18/2013) [12/26/2013]
MW-11	Quarterly	Quarterly	11/19/2013	(12/5/2013) [12/19/2013]
MW-12	Semi-annually	Semi-annually	12/9/2013	(12/24/2013) [1/6/2014]
MW-14	Quarterly	Quarterly	11/20/2013	(12/5/2013) [12/19/2013]
MW-15	Semi-annually	Semi-annually	11/20/2013	(12/5/2013) [12/19/2013]
MW-17	Semi-annually	Semi-annually	12/9/2013	(12/24/2013) [1/6/2014]
MW-18	Semi-annually	Semi-annually	12/3/2013	(12/18/2013) [12/26/2013]
MW-19	Semi-annually	Semi-annually	12/3/2013	(12/18/2013) [12/26/2013]
MW-20	Semi-annually	Semi-annually	12/18/2013	(1/7/2014) [1/14/2014]
MW-22	Semi-annually	Semi-annually	12/10/2013	(12/24/2013) [1/6/2014]
MW-23	Semi-annually	Semi-annually	12/18/2013	(1/7/2014) [1/14/2014]
MW-24	Semi-annually	Semi-annually	12/12/2013	(12/24/2013) [1/6/2014]
MW-25	Quarterly	Quarterly	11/19/2013	(12/5/2013) [12/19/2013]
MW-26	Quarterly	Quarterly	11/20/2013	(12/5/2013) [12/19/2013]
MW-27	Semi-annually	Semi-annually	12/4/2013	(12/18/2013) [12/26/2013]
MW-28	Semi-annually	Semi-annually	12/4/2013	(12/18/2013) [12/26/2013]
MW-29	Semi-annually	Semi-annually	11/20/2013	(12/5/2013) [12/19/2013]
MW-30	Quarterly	Quarterly	11/20/2013	(12/5/2013) [12/19/2013]
MW-31	Quarterly	Quarterly	11/18/2013	(12/5/2013) [12/19/2013]
MW-32	Semi-annually	Semi-annually	11/18/2013	(12/5/2013) [12/19/2013]
MW-35	Quarterly	Background	11/13/2013	(12/5/2013) [12/19/2013]
MW-36	Quarterly	Background	11/20/2013	(12/5/2013) [12/19/2013]
MW-37	Quarterly	Background	12/18/2013	(1/7/2014) [1/14/2014]
MW-65	1 per Batch	Duplicate of MW-36	11/20/2013	(12/5/2013) [12/19/2013]
MW-70	1 per Batch	Duplicate of MW-03	12/11/2013	(12/24/2013) [1/6/2014]
Accelerated October Monthly				
MW-11	Monthly	Accelerated	10/22/2013	(11/5/2013) [11/18/2013]
MW-14	Monthly	Accelerated	10/22/2013	(11/5/2013) [11/18/2013]
MW-25	Monthly	Accelerated	10/22/2013	(11/5/2013) [11/18/2013]
MW-26	Monthly	Accelerated	10/23/2013	(11/5/2013) [11/18/2013]
MW-30	Monthly	Accelerated	10/22/2013	(11/5/2013) [11/18/2013]
MW-31	Monthly	Accelerated	10/23/2013	(11/5/2013) [11/18/2013]
MW-35	Monthly	Accelerated	10/23/2013	(11/5/2013) [11/18/2013]
MW-65	Monthly	Duplicate of MW-31	10/23/2013	(11/5/2013) [11/18/2013]
Accelerated December Monthly				
MW-11	Monthly	Accelerated	12/18/2013	(1/6/2014) [1/15/2014]
MW-14	Monthly	Accelerated	12/18/2013	(1/6/2014) [1/15/2014]
MW-25	Monthly	Accelerated	12/17/2013	(1/6/2014) [1/15/2014]
MW-26	Monthly	Accelerated	12/18/2013	(1/6/2014) [1/15/2014]
MW-30	Monthly	Accelerated	12/18/2013	(1/6/2014) [1/15/2014]
MW-31	Monthly	Accelerated	12/17/2013	(1/6/2014) [1/15/2014]
MW-35	Monthly	Accelerated	12/17/2013	(1/6/2014) [1/15/2014]
MW-65	1 per Batch	Duplicate of MW-14	12/18/2013	(1/6/2014) [1/15/2014]

Notes:
Date in parenthesis depicts the date that data were reported from American West Analytical Laboratories.
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)	Field pH (S.U.)	6.5 - 8.5	6.17	Quarterly	Monthly	April 2013	Septemebr 2013
	Manganese (ug/L)	131.29	134	Quarterly	Monthly	Q1 2010	May 2010
MW-14 (Class III)	Manganese (ug/L)	2230.30	2360	Quarterly	Monthly	Q2 2012	August 2012
	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	7.13	Quarterly	Monthly	Q4 2013	March 2014
	Cadmium (ug/L)	1.5	1.56	Quarterly	Monthly	Q4 2012	March 2013
	Chloride (mg/L)	35	36.1	Quarterly	Monthly	Q1 2013	June 2013
	Fluoride (mg/L)	0.42	0.534	Quarterly	Monthly	Q3 2013	December 2013
	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
	Uranium (ug/L)	8.32	8.57	Quarterly	Monthly	Q4 2013	March 2014
	Selenium (ug/L)	34	35.3	Quarterly	Monthly	Q2 2010	July 2010
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	21.7	Quarterly	Monthly	Q1 2010	May 2010
	TDS (mg/L)	1320	1330	Quarterly	Monthly	Q3 2010	January 2011
	Sulfate (mg/L)	532	539	Quarterly	Monthly	Q4 2010	March 2011
	Selenium (ug/L)	71	74	Quarterly	Monthly	Q3 2012	December 2012
	Field pH (S.U.)	6.5 - 8.5	6.37	Quarterly	Monthly	April 2013	Septemebr 2013
	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
	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	**Constituent Exceeding GWCL**	**GWCL in**	**First Result**	**Sample**	**Accelerated**	**Exceedance**	**Start of Accelerated**
MW-1 (Class II)	Tetrahydrofuran (ug/L)	11.5	21.8	Semi-Annually	Quarterly	Q4 2012	Q1 2013
	Sulfate (mg/L)	838	846	Semi-Annually	Quarterly	Q4 2012	Q1 2013
	Manganese (ug/L)	289	315	Semi-Annually	Quarterly	Q4 2012	Q1 2013
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
	Fluoride (mg/L)	0.68	0.71	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-3A (Class III)	Field pH (S.U.)	6.5 - 8.5	6.23 (6.24)	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Sulfate (mg/L)	3640	3680	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	TDS (mg/L)	5805	5860	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Nitrate + Nitrite (as N) (mg/L)	1.3	1.31	Semi-Annually	Quarterly	Q4 2012	Q1 2013
	Selenium (ug/L)	89	94.8	Semi-Annually	Quarterly	Q4 2010	Q1 2011
MW-5 (Class II)	Uranium (ug/L)	7.5	11.6	Semi-Annually	Quarterly	Q4 2010	Q1 2011
MW-12 (Class III)	Selenium (ug/L)	25	25.7	Semi-Annually	Quarterly	Q2 2010	Q3 2010
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
	Iron (ug/L)	81.7	137	Semi-Annually	Quarterly	Q4 2011	Q1 2012
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
	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
	Gross Alpha minus Rn & U (pCi/L)	2.36	4.86	Semi-Annually	Quarterly	Q4 2012	Q1 2013
	Field pH (S.U.)	6.78-8.5	6.61 (6.66)	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-23 (Class III)	Manganese (ug/L)	550	551	Semi-Annually	Quarterly	Q4 2011	Q1 2012
	Field pH (S.U.)	6.5 - 8.5	6.18	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
	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

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
	Chloride (mg/L)	38	42	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Gross Alpha minus Rn & U (pCi/L)	2	2.4	Semi-Annually	Quarterly	Q4 2010	Q1 2011
	TDS (mg/L)	1075	1160	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-28 (Class III)	Chloride (mg/L)	105	108	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Manganese (ug/L)	1837	1850	Semi-Annually	Quarterly	Q2 2012	Q3 2012
	Field pH (S.U.)	6.1 - 8.5	5.67	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-29 (Class III)	Field pH (S.U.)	6.46 - 8.5	6.17	Semi-Annually	Quarterly	Q4 2010	Q2 2011
	Manganese (ug/L)	5624	6140	Semi-Annually	Quarterly	Q2 2012	Q3 2012
	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
	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 sample period.

Highlighted text shows accelerated requirements resulting from Q4 2013 sampling event.

Table 3 – GWCL Exceedances for Fourth Quarter 2013 under the August 24, 2012 GWDP

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	Q1 2010 Results		Q2 2010 Results						Q3 2010 Results						Q4 2010 Results					
			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)	Field pH (S.U.)	6.5 - 8.5	2/10/2010	7.34	4/28/2010	7.22	5/24/2010	7.29	6/16/2010	8.21	7/20/2010	7.51	8/25/2010	7.32	9/8/2010	8.34	10/20/2010	7.49	11/11/2010	7.44	12/15/10	7.37
	Manganese (ug/L)	131.29		***134***		***137***		122		99		123		**138**		128		***141***		***133***		***158***
MW-14 (Class III)	Manganese (ug/L)	2230.30	2/2/2010	2060	4/21/2010	2070	5/21/2010	NA	6/16/2010	NA	7/20/2010	NA	8/25/2010	NA	9/8/2010	1920	10/20/2010	NA	11/10/2010	1980	12/15/2010	NA
	Field pH (S.U.)	6.5 - 8.5		***6.45***		***6.29***		***6.36***		***6.45***		7.19		***6.48***		6.51		6.60		***6.37***		***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		NA	9/8/2010	6.58	NS	NA	11/10/2010	***6.36***	NS	NA
	Cadmium (ug/L)	1.5		1.26		1.44		NA		NA		NA		NA		1.4		NA		1.26		NA
	Chloride (mg/L)	35		31		31		NA		NA		NA		NA		31		NA		31		NA
	Fluoride (mg/L)	0.42		0.31		0.33		NA		NA		NA		NA		0.34		NA		31		NA
	Uranium	6.5		5.93		6.43		NA		NA		NA		NA		***6.57***		NA		5.89		NA
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	2/2/2010	***1.3***	4/22/2010	***2***	5/21/2010	0.3	6/16/2010	0.4	7/21/2010	0.6	8/16/2010	0.6	9/26/2010	***0.7***	10/20/2010	0.4	11/15/2010	0.2	12/15/2010	0.4
	Uranium (ug/L)	41.8		***58.7***		***66.7***		37.4		36.6		34.4		***71.8***		***72.7***		37.5		30.4		29.6
	Chloroform (ug/L)	70		***700***		***1700***		***800***		***940***		***900***		***2800***		***2100***		***1000***		***1900***		***1400***
	Chloride (mg/L)	58.31		***72***		57		***80***		47		52		49		***64***		52		48		52
	Field pH (S.U.)	6.74 - 8.5		***6.59***		7.18		***6.36***		6.98		***6.45***		***6.39***		***6.60***		***6.61***		***6.49***		***6.45***
	Dichloromethane (Methylene Chloride) (ug/L)	5		1		***9.9***		NR		2.2		***12***		***24***		***45***		***5.5***		***16***		1.2
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	2/9/2010	***16.1***	4/27/2010	***15.8***	5/21/2010	***17***	6/15/2010	***15.3***	7/21/2010	***16***	8/24/2010	***16***	9/14/2010	***15***	10/19/2010	***15***	11/9/2010	***15***	12/14/2010	***16***
	Chloride (mg/L)	128		127		97		NS		NS	NS	NS	NS	NS		111		NS		126		NS
	Uranium (ug/L)	8.32		6.82		6.82		NS		NS	NS	NS	NS	NS		7.10		NS		6.64		NS
	Selenium (ug/L)	34		32		***35.3***		NS		NS	7/27/2010	33.5	8/24/2010	***35.6***		32.6		32.4		32.2		30.5
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	2/9/2010	***21.7***	4/20/2010	***22.5***	5/21/2010	***23***	6/15/2010	***21.1***	7/21/2010	***20***	8/24/2010	***22***	9/13/2010 (9/21/10)	***21***	10/19/2010	***20***	11/9/2010	***20***	12/14/2010	***20***
	TDS (mg/L)	1320		1150		1220	NS	NA	NS	NA	NS	NA	NS	NA		***1330***	NS	NA		1320		NS
	Chloride (mg/L)	143		128		128	NS	NA	NS	NA	NS	NA	NS	NA		139	NS	NA		138		NS
	Selenium (ug/L)	71		60.8		59.6	NS	NA	NS	NA	NS	NA	NS	NA		64.4	NS	NA		60		NS
	Field pH (S.U.)	6.5 - 8.5		6.96		7.38	5/21/2010	6.95	6/15/2010	7.01	7/21/2010	7.80	8/24/2010	7.10		7.66 (7.13)	10/19/2010	6.92		6.98		6.95
	Sulfate (mg/L)	532		507		522	NS	NA	NS	NA	NS	NA	NS	NA		527	NS	NA		***539***		NS
MW-35 (Class II)	Manganese (ug/L)	200	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/30/2010	***698***	NS	NA
	Thallium (ug/l)	0.5		NA		NA		NA		NA		NA		NA		NA		NA		***1.14***		NA
	Molybdenum (ug/L)	10		NA		NA		NA		NA		NA		NA		NA		NA		<10		NA
	Gross Alpha minus Rn & U (pCi/L)	3.75		NA		NA		NA		NA		NA		NA		NA		NA		2.6		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)	Manganese (ug/L)	289	NS	NA	5/5/2010	212	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/18/2010	275	NS	NA
	Tetrahydrofuran (ug/L)	11.5		NA		7.8		NA		NA		NA		NA		NA		NA		10.7		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
	Sulfate (mg/L)	3663		NA		3490		NA		NA		NA		NA		NA		NA		3430		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		0.3		NA		NA		NA		NA		NA		NA		0.4		NA
	Fluoride (Mg/L)	0.68		NA		***0.71***		NA		NA		NA		NA		0.63		NA		***0.77***		NA
MW-3A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	5/4/2010	***6.23 (6.24)***	NS	NA	NS	NA	NS	NA	NS	NA	9/21/2010	***6.42***	NS	NA	11/22/2010	***6.21***	NS	NA
	Sulfate (mg/L)	3640		NA		***3680***		NA		NA		NA		NA		3630		NA		***3850***		NA
	Nitrate + Nitrite (as N) (mg/L)	1.3		NA		1.0		NA		NA		NA		NA		NA		NA		1.2		NA
	TDS (mg/L)	5805		NA		***5860***		NA		NA		NA		NA		5470		NA		5330		NA
	Selenium (ug/L)	89		NA		81.4		NA		NA		NA		NA		NS		NA		***94.8***		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	4/26/2010	0.39	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/11/2010	***11.6***	NS	NA
MW-12 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	4/27/2010	7.16	NS	NA	NS	NA	NS	NA	NS	NA	9/20/2010	6.62	NS	NA	11/19/2010	***6.47***	NS	NA
	Selenium (ug/L)	25		NA		***25.7***		NA		NA		NA		NA		***31.9***		NA		***27.6***		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
	Iron (ug/L)	81.7		NA		ND		NA		NA		NA		NA		NA		NA		ND		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
	Gross Alpha minus Rn & U (pCi/L)	2.36		NA		0.9		NA		NA		NA		NA		NA		NA		1.2		NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		2.6		NA		NA		NA		NA		NA		NA		2.4		NA
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	4/22/2010	***6.18***	NS	NA	NS	NA	NS	NA	NS	NA	9/14/2010	7.05	NS	NA	11/22/2010	***6.44***	NS	NA
	Manganese (ug/L)	550		NA		184		NA		NA		NA		NA		NS		NA		65		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
	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		6.89		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
	Manganese (ug/L)	1837		NA		1550		NA		NA		NA		NA		NA		NA		1510		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)	Iron (ug/L)	1869	NS	NA	4/27/2010	1630	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/9/2010	1490	NS	NA
	Manganese (ug/L)	5624		NA		4820		NA		NA		NA		NA				NA		4890		NA
	TDS (mg/L)	4400		NA		4400		NA		NA		NA		NA				NA		4390		NA
	Field pH (S.U.)	6.46 - 8.5		NA		6.82		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
	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 Not Reported
NA = Not Applicable
Exceedances are shown in yellow
Values in () parentheses are the field pH measurements for the resampled analyses.

Table 3 – GWCL Exceedances for Fourth Quarter 2013 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)	Field pH (S.U.)	6.5 - 8.5	1/11/2011	7.43	2/2/2011	7.47	3/15/2011	7.94	4/4/2011	7.50	5/10/2011	7.25	6/15/2011	6.86	7/6/2011	7.07	8/3/2011	7.25	9/7/2011	7.29	10/4/2011	7.52	11/9/2011	7.47	12/14/2011	7.88
	Manganese (ug/L)	131.29		121		***145***		68		***148***		***170***		121		***151***	8/30/11	118		106		112		105		100
MW-14 (Class III)	Manganese (ug/L)	2230.30	1/11/2011	NA	2/7/2011	2020	3/14/2011	NA	4/4/2011	2140	5/10/2011	NA	6/15/2011	NA	7/5/2011	NA	8/3/2011	1990	9/8/2011	NA	10/4/2011	1960	11/9/2011	NA	12/12/2011	NA
	Field pH (S.U.)	6.5 - 8.5		***6.37***		***6.22***		6.76		6.63		***6.37***		***5.83***		***6.4***		***6.23***		6.50		6.71 (6.82)		6.63		6.84
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/11/2011	***6.44***	2/2/2011	6.66	3/15/2011	6.79	4/4/2011	6.7	5/11/2011	***6.1***	6/20/2011	***5.77***	7/6/2011	***6.29***	8/3/2011 8/30/11	***6.42 (6.54)***	9/7/2011	6.54	10/4/2011	6.6	11/9/2011	6.51	12/12/2011	6.87
	Cadmium (ug/L)	1.5		NA		1.34		NA		1.27		NA		NA		NA	8/30/2012	1.19		NA		1.27		NA		NA
	Chloride (mg/L)	35		NA		30		NA		31		NA		NA		NA		32		NA		32		NA		NA
	Fluoride (mg/L)	0.42		NA		0.31		NA		0.28		NA		NA		NA	8/3/2011	0.31		NA		0.32		NA		NA
	Uranium	6.5		***7.02***		4.77		***6.8***		5.56		***6.72***		***7.06***		***6.74***		6.37		5.96		5.27		***6.56***		6.1
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/12/2011	0.2	2/16/2011	0.25	3/15/2011	0.6	4/1/2011	***0.8***	5/10/2011	0.4	6/20/2011	0.3	7/6/2011	***0.9***	8/3/2011 8/30/11	0.6	9/7/2011	***2.4***	10/12/2011	***0.9***	11/9/2011	***1.3***	12/14/2011	***2.3***
	Uranium (ug/L)	41.8		32		***69.3***		31.8		***60.2***		***57.4***		18.5		***57.1***		19.0		***56.1***		***58.9***		***55.6***		***57***
	Chloroform (ug/L)	70		***800***		***730***		***1200***		***390***		***1900***		***730***		***300***		***1000***		***1300***		***440***		***1200***		***1400***
	Chloride (mg/L)	58.31		52		***59***		***64***		***64***		54		39		***64***		***60***		***66***		***61***		55		***62***
	Field pH (S.U.)	6.74 - 8.5		6.83		***6.06***		6.89		***6.22***		***6.43***		***6.52***		***6.35***		***6.07 (6.58)***		***6.71***		6.82		6.75		7.1
	Dichloromethane (Methylene Chloride) (ug/L)	5		<1.0		***10***		***14***		3.1		***20***		***7***		2.4		***10***		***7.9***		2.6		***8.9***		***11***
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/10/2011	***15***	2/1/2011	***16***	3/14/2011	***17***	4/11/2011	***16***	5/10/2011	***16***	6/20/2011	***17***	7/5/2011	***17***	8/3/2011	***14***	9/7/2011	***16***	10/4/2011	***16***	11/8/2011	***16***	12/12/2011	***16***
	Chloride (mg/L)	128		NS		***134***		NS		***134***		128		127		127		126		***145***		***129***		122		124
	Uranium (ug/L)	8.32		NS		5.97		NS		6.49		NS		NS		NS		8		NS		***9.83***		NS		NS
	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***		NS		143		143		***145***		***148***		***148***		***148***		***145***		***145***		***148***
	Selenium (ug/L)	71		NS		64.6		NS		65.2		NS		NS		NS		66.2		NS		68.8		NS		NS
	Field pH (S.U.)	6.5 - 8.5		6.65		7.21		7.43		7.01		6.73		***6.16!***		6.64		6.67		7.03		7.28		7.01 (7.34)		7.46
	Sulfate (mg/L)	532		NS		***538***		531		503		512		***540***		532		***537***		***541***		***539***		***552***		530
MW-35 (Class II)	Manganese (ug/L)	200	NS	NA	2/15/2011	***248***	NS	NA	6/7/2011	***369***	NS	NA	NS	NA	7/20/11	***348***	8/30/2011	***267***	9/7/11	***270***	10/3/11	***271***	11/8/2011	***283***	12/14/11	***247***
	Thallium (ug/l)	0.5		NA		< 0.50		NA		< 0.50		NA		NA		NA		***0.52***		NA		***0.57***		< 0.50		***0.63***
	Molybdenum (ug/L)	10		NA		<10		NA		<10		NA		NA		NA		<10		NA		<10		NA		NA
	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***
	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)	Manganese (ug/L)	289	NS	NA	NS	NA	NS	NA	4/11/2011	218	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	10/11/2011	206	NS	NA	NS	NA
	Tetrahydrofuran (ug/L)	11.5		NA		NA		NA	4/19/2011	10.7		NA		NA		NA		NA		NA		7.82		NA		NA
	Sulfate (mg/L)	838		NA		NA		NA	4/11/2011	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
	Sulfate (mg/L)	3663		NA		NA		NA		3060		NA		NA		NA		NA		NA		3470		NA		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		0.3		NA		NA		NA		NA		NA		0.3		NA		NA
	Fluoride (mg/L)	0.68		NA		***0.69***		NA		0.68		NA		NA		NA		***0.96***		NA		***0.91***		NA		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/16/2011	***6.05***	NS	NA	4/13/2011	6.58	NS	NA	NS	NA	NS	NA	8/11/2011	***6.19***	NS	NA	10/11/2011	6.5 (6.92)	NS	NA	NS	NA
	Sulfate (mg/L)	3640		NA		***3730***		NA		3350		NA		NA		NA		3560		NA		***3750***		NA		NA
	Nitrate + Nitrite (as N) (mg/L)	1.3		NA		NA		NA		1.2		NA		NA		NA		NA		NA		1.1		NA		NA
	TDS (mg/L)	5805		NA		5770		NA		5720		NA		NA		NA		***5810***		NA		5630		NA		NA
	Selenium (ug/L)	89		NA		***99***		NA		85.8		NA		NA		NA		88.5		NA		***95***		NA		NA
MW-05	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)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/15/2011	***6.43***	NS	NA	4/5/2011	6.67	NS	NA	NS	NA	NS	NA	8/9/2011	***6.13***	NS	NA	10/6/2011	6.7 (6.97)	NS	NA	NS	NA
	Selenium (ug/L)	25		NA		***39***		NA		21.7		NA		NA		NA		***25.4***		NA		***35.4***		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
	Iron (ug/L)	81.7		NA		NA		NA		<0.50		NA		NA		NA		NA		NA		***137***		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***		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
	Gross Alpha minus Rn & U (pCi/L)	2.36		NA		NA		NA		0.5		NA		NA		NA		NA		NA		0.6		NA		NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		NS		NA		2.6		NA		NA		NA		NS		NA		***4.0***		NA		NA
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/9/2011	***6.13***	NS	NA	4/5/2011	7.14	NS	NA	NS	NA	NS	NA	8/4/2011	***6.38***	NS	NA	10/6/2011	6.56 (6.77)	NS	NA	NS	NA
	Manganese (ug/L)	550		NA		NS		NA		32		NA		NA		NA		NS		NA		***551***		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
	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 (7.24)		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
	Manganese (ug/L)	1837		NA		NA		NA		1690		NA		NA		NA		NA		NA		1540		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)	Iron (ug/L)	1869	NS	NA	NS	NA	NS	NA	4/18/2011	***3010***	NS	NA	NS	NA	NS	NA	8/9/2011	1080	NS	NA	10/5/2011	1220	NS	NA	NS	NA
	Manganese (ug/L)	5624		NA	NS	NA		NA		4900		NA		NA		NA		NA		NA		4800		NA		NA
	TDS (mg/L)	4400		NA	NS	NA		NA		4080		NA		NA		NA		NA		NA		4280		NA		NA
	Field pH (S.U.)	6.46 - 8.5		NA	NS	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
	Field pH (S.U.)	6.4 - 8.5		NA		***5.99***		NA		***6.14***		NA		NA		NA		***6.10 (6.20)***		NA		***6.35***		NA		NA

Notes:
GWCL values are taken from August 24, 2012 version of GWDP.
NS = Not Required and Not Sampled
NR = Required and Not Reported
NA = Not Applicable
Exceedances are shown in yellow
Values in () parentheses are the field pH measurements for the resampled analyses.

Table 3 – GWCL Exceedances for Fourth Quarter 2013 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)	Field pH (S.U.)	6.5 - 8.5	1/26/2012	7.51	2/13/2012	7.59	3/13/2012	7.47	4/10/2012	7.66	5/8/2012	7.49	6/19/2012	7.82	7/11/2012	7.74	8/7/2012	7.43	9/19/2012	7.91	10/23/2012	7.39	11/12/2012	7.47	12/24/2012	7.46
	Manganese (ug/L)	131.29		102		***154***		121		***132***		127		122		***135***		***166***		130		***161***		***138***		***137***
MW-14 (Class III)	Manganese (ug/L)	2230.30	1/24/2012	NA	2/21/2012	1790	3/14/2012	NA	4/12/2012	NA	5/9/2012	***2360***	6/19/2012	NA	7/11/2012	2100	8/7/2012	***2300***	9/18/2012	2140	10/23/2012	2110	11/27/2012	2100	12/18/2012	1950
	Field pH (S.U.)	6.5 - 8.5		***6.36***		6.57		6.51		6.97		6.73		6.90		6.89		6.58		7.08		6.83		6.52		6.60
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/25/2012	6.63	2/14/2012	6.83	3/14/2012	6.55	4/9/2012	6.58	5/2/2012	6.73	6/18/2012	6.99	7/10/2012	6.88	8/6/2012	6.55	9/18/2012	6.54	10/22/2012	6.54	11/12/2012	***6.47***	12/24/2012	6.62
	Cadmium (ug/L)	1.5		NA		1.31		NA		NA		1.33		NA		1.24		NA		NA		NA		***1.56***		NA
	Chloride (mg/L)	35		NA		30		NA		NA		30		NA		33		NA		NA		NA		28.8		NA
	Fluoride (mg/L)	0.42		NA		0.34		NA		NA		0.32		NA		0.3		NA		NA		NA		0.298		NA
	Uranium	6.5		***6.6***		6.5		***6.93***		***6.52***		5.90		***7.6***		6.45		***6.72***		6.01		6.37		***6.61***		4.83
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/25/2012	***1.9***	2/15/2012	***1.2***	3/14/2012	***3***	4/11/2012	***3.4***	5/7/2012 6/26/2012	***2.9***	6/19/2012	***2.3***	7/11/2012	***1.9***	8/8/2012	***1.6***	9/19/2012	***1.8***	10/24/2012	***3.5***	11/15/2012	0.55	12/24/2012	***1.46***
	Uranium (ug/L)	41.8		***64.6***	2/21/2012	***59.4***		31.2		***42.2***		18.2		***66.0***		28.4		***67.4***		***64.9***		26.9		***56.8***		***51.3***
	Chloroform (ug/L)	70		***1900***	2/15/2012	***3300***		***2900***		***2900***		***1700***		***2400***	8/16/2012	***970***		***2200***		***2300***		***4720***		***4020***		***1250***
	Chloride (mg/L)	58.31		***68***		40		***74***		***82***		***74***		***85***	7/11/2012	***78***		***78***		***67***		2.62		52.9		***65.9***
	Field pH (S.U.)	6.74 - 8.5		***6.59***	2/15/2012 2/21/2012	***6.72*** (6.91) ***(6.71)***		***6.39***		6.88		7.00 (7.01)		7.00	7/11/2012 8/16/2012	7.10 (6.80)		***6.60***		7.40		***6.63***		***6.60***		6.78
	Dichloromethane (Methylene Chloride) (ug/L)	5		***13***	2/15/2012	***24***		***27***		***20***		***10***		***16***	8/16/2012	4.9		***17***		***9.8***		***15.0***		***34.6***		***5.5***
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/24/2012	***17***	2/14/2012	***17***	3/14/2012	***18***	4/10/2012	***17***	5/2/2012	***16***	6/18/2012	***15***	7/10/2012	***17***	8/7/2012	***18***	9/19/2012	***16***	10/23/2012	***16.2***	11/13/2012	***18.5***	12/26/2012	***17.2***
	Chloride (mg/L)	128		124		126		128		128		124		***131***	7/10/2012	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
	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
	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
	Molybdenum (ug/L)	10		<10		<10		NA		NA		<10		NA		<10		NA		NA		NA		***30.4***		NA
	Gross Alpha minus Rn & U (pCi/L)	3.75		***6.5***		***4.1***		***6.2***		***4.1***		***4.5***		***4.9***		3.5		***4.2***		***5.4***		***4.31***		***4.23***		***6.5***
	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)	Manganese (ug/L)	289	NS	NA	NS	NA	NS	NA	NS	NA	5/1/2012	176	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/27/2012	***315***	NS	NA
	Tetrahydrofuran (ug/L)	11.5		NA		NA		NA		NA		10.3		NA		NA		NA		NA		NA		***21.8***		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	7/18/2012	***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
	Sulfate (mg/L)	3663		NA		NA		NA		NA		3140		NA		NA		NA		NA		NA		2340		NA
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		0.4		NA		NA		NA		NA		NA		0.419		NA
	Fluoride (Mg/L)	0.68		NA		***0.86***		NA		NA		***1.04***		NA		***0.96***		NA		NA		NA		***1.26***		NA
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	3/1/2012	***6.46***	NS	NA	NS	NA	5/15/2012	6.68	NS	NA	7/19/2012	7.01	NS	NA	NS	NA	NS	NA	11/29/2012	***6.35***	NS	NA
	Sulfate (mg/L)	3640		NA		3020		NA		NA		3220		NA		***3700***		NA		NA		NA		2780		NA
	Nitrate + Nitrite (as N) (mg/L)	1.3		NA		NA		NA		NA		1.1		NA		NA		NA		NA		NA		***1.31***		NA
	TDS (mg/L)	5805		NA		5690		NA		NA		5730		NA		5720		NA		NA		NA		5610		NA
	Selenium (ug/L)	89		NA		65.8		NA		NA		85.1		NA		***99.3***		NA		NA		NA		***111***		NA
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/28/2012	***18.6***	NS	NA	NS	NA	5/9/2012	1.23	NS	NA	7/16/2012	0.75	NS	NA	NS	NA	NS	NA	11/27/2012	0.402	NS	NA
MW-12 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/29/2012	6.81	NS	NA	NS	NA	5/10/2012	6.91	NS	NA	7/17/2012	6.98	NS	NA	NS	NA	NS	NA	11/27/2012	6.54	NS	NA
	Selenium (ug/L)	25		NA		***27.2***		NA		NA		19.6		NA		20.7		NA		NA		NA		23		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
	Iron (ug/L)	81.7		NA		< 30		NA		NA		< 30		NA		< 30		NA		NA		NA		<30		NA

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	Q1 2012 Results: January 2012 Monthly Sample Date	Q1 2012 Results: January 2012 Monthly Result	Q1 2012 Results: Q1 2012 Sample Date	Q1 2012 Results: Q1 2012 Result	Q1 2012 Results: March 2012 Monthly Sample Date	Q1 2012 Results: March 2012 Monthly Result	Q2 2012 Results: April 2012 Monthly Sample Date	Q2 2012 Results: April 2012 Monthly Result	Q2 2012 Results: Q2 2012 Sample Date	Q2 2012 Results: Q2 2012 Result	Q2 2012 Results: June 2012 Monthly Sample Date	Q2 2012 Results: June 2012 Monthly Result	Q3 2012 Results: Q3 2012 Sample Date	Q3 2012 Results: Q3 2012 Result	Q3 2012 Results: August 2012 Monthly Sample Date	Q3 2012 Results: August 2012 Monthly Result	Q3 2012 Results: September 2012 Monthly Sample Date	Q3 2012 Results: September 2012 Monthly Result	Q4 2012 Results: October 2012 Monthly Sample Date	Q4 2012 Results: October 2012 Monthly Result	Q4 2012 Results: Q4 2012 Sample Date	Q4 2012 Results: Q4 2012 Result	Q4 2012 Results: December 2012 Monthly Sample Date	Q4 2012 Results: 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	***3.3***	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
	Gross Alpha minus Rn & U (pCi/L)	2.36		NA		NA		NA		NA		0.9		NA		NA		NA		NA		NA		***4.86***		NA
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		***3.9***		NA		NA		***3.7***		NA		***4***		NA		NA		NA		***3.96***		NA
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/20/2012	6.61	NS	NA	NS	NA	5/16/2012	6.74	NS	NA	7/17/2012	7.10	NS	NA	NS	NA	NS	NA	12/5/2012	6.61	NS	NA
	Manganese (ug/L)	550		NA		51		NA		NA		49		NA		117		NA		NA		NA		54.3		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
	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	105	NS	NA	NS	NA	NS	NA	11/14/2012	***115***	NS	NA
	Manganese (ug/L)	1837		NA		NA		NA		NA		***1850***		NA	8/1/2012	1660		NA		NA		NA		1680		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)	Iron (ug/L)	1869	NS	NA	2/22/2012	1310	NS	NA	NS	NA	5/8/2012	1400	NS	NA	7/16/2012	1270	NS	NA	NS	NA	NS	NA	11/14/2012	1350	NS	NA
	Manganese (ug/L)	5624		NA		NA		NA		NA		***6140***		NA	8/1/2012	5190		NA		NA		NA		5040		NA
	TDS (mg/L)	4400		NA		NA		NA		NA		***4600***		NA	8/1/2012	***4420***		NA		NA		NA		***4430***		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
	Field pH (S.U.)	6.4 - 8.5		NA		6.57		NA		NA		6.40		NA		6.72		NA		NA		NA		***6.23***		NA

Notes:
GWCL values are taken from August 24, 2012 version of GWDP.
NS = Not Required and Not Sampled
NR = Required and Not Reported
NA = Not Applicable
Exceedances are shown in yellow
Values in () parentheses are the field pH measurements for the resampled analyses.

Table 3 – GWCL Exceedances for Fourth Quarter 2013 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	Sample Frequency
Required Quarterly Sampling Wells																											
MW-11 (Class II)	Field pH (S.U.)	6.5 - 8.5	1/23/2013	7.45	2/20/2013	7.46	3/20/2013	7.33	4/16/2013	***6.17***	5/14/2013	7.88	6/25/2013	7.47	7/10/2013	7.40	8/20/2013	7.70	9/18/2013	7.39	10/22/2013	7.62	11/19/2013	7.33	12/18/2013	7.74	Quarterly
	Manganese (ug/L)	131.29		115		***139***		***164***		***181***		***144***		***135***		***138***		***158***		***134***		129		***152***		***196***	Quarterly
MW-14 (Class III)	Manganese (ug/L)	2230.30	1/23/2013	1930	2/26/2013	***2250***	3/20/2013	2110	4/16/2013	2060	5/14/2013	2200	6/25/2013	1990	7/11/2013	2100	8/20/2013	2100	9/19/2013	2190		2030		1960	12/18/2013	2030	Quarterly
	Field pH (S.U.)	6.5 - 8.5		***6.48***		6.52		***6.48***		7.58		7.39		6.54		***6.47***		6.86		***6.48***		6.77		6.51		6.74	Quarterly
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	Quarterly
	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	Quarterly
	Chloride (mg/L)	35		NA		***36.1***		NA		NA		28.1		30.4		28.0		31.1		29.6		28.6		29.0		31.2	Quarterly
	Fluoride (mg/L)	0.42		NA		0.32		NA		NA		0.392		NA		***0.534***		NA		NA		NA		0.329		0.296	Quarterly
	Uranium	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	Quarterly
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***	Quarterly
	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***	Quarterly
	Chloroform (ug/L)	70		***1270***		***1500***		***1340***		***1680***		***1210***		***4030****		***2410***		***2110***		***4170***		***3420***		***1220***		***1680***	Quarterly
	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***	Quarterly
	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	Quarterly
	Dichloromethane (Methylene Chloride) (ug/L)	5		***6.49***		***5.53***		***8.31***		***10.2***		4.07		***52.4* [12.1]***		***14.2***		***14.6***		***42.4***		***29.8***		***7.64***		***7.48***	Quarterly
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***	Quarterly
	Chloride (mg/L)	128		128		***129***		126		117		119		127		***130***		126		***131***		***128***		124		***134***	Quarterly
	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	Quarterly
	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***	Quarterly
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***	Quarterly
	TDS (mg/L)	1320		1270		***1390***		***1420***		1260		***1540***		***1380***		***1510***		***1440***		***1500***		***1460***		1320		***1500***	Quarterly
	Chloride (mg/L)	143		***176***		***174***		***168***		***171***		***169***		***179***		***182***		***183***		***193***		***188***		***174***		***203***	Quarterly
	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***	Quarterly
	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	Quarterly
	Sulfate (mg/L)	532		***611***		***644***		***611***		***668***		***630***		***659***		***659***		***656***		***666***		***637***		***609***		***656***	Quarterly
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***	Quarterly
	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	Quarterly
	Molybdenum (ug/L)	10		NS		<10		<10		<10		<10		<10		<10		<10		<10		<10		<10		NA	Quarterly
	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***	Quarterly
	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	Quarterly
	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***	Quarterly
Required Semi-Annual Sampling Wells																											
MW-01 (Class II)	Manganese (ug/L)	289	NS	NA	3/12/2013	173	NS	NA	NS	NA	5/21/2013	127	NS	NA	7/23/2013	83.9	NS	NA	NS	NA	NS	NA	12/4/2013	113	NS	NA	Semi-Annually
	Tetrahydrofuran (ug/L	11.5		NA		***12.6***		NA		NA		3.26		NA		1.86		NA		NA		NA		5.51		NA	Semi-Annually
	Sulfate (mg/L)	838		NA		761		NA		NA		***839***		NA		***911***		NA		NA		NA		***930***		NA	Semi-Annually
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	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		***6.20***		NA		NA		7.14		NA		***6.46***		NA		NA		NA		6.78		NA	Semi-Annually
	Sulfate (mg/L)	3663		NA		NA		NA		NA		2180		NA		NA		NA		NA		NA		***3760***		NA	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		0.456		NA		NA		NA		NA		NA		***1.21***		NA	Semi-Annually
	Fluoride (Mg/L)	0.68		NA		***0.902***		NA		NA		***0.994***		NA		***1.18***		NA		NA		NA		***1.28***		NA	Semi-Annually
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	Semi-Annually
	Sulfate (mg/L)	3640		NA		3480		NA		NA		3120		NA		***3670***		NA		NA		NA		3360		NA	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	1.3		NA		1.22		NA		NA		1.11		NA		1.09		NA		NA		NA		***1.52***		NA	Semi-Annually
	TDS (mg/L)	5805		NA		5750		NA		NA		***6020***		NA		***5860***		NA		NA		NA		***5940***		NA	Semi-Annually
	Selenium (ug/L)	89		NA		88.7		NA		NA		75.6		NA		79.7		NA		NA		NA		77.9		NA	Semi-Annually
MW-05 (Class	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	Semi-Annually
MW-12 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	3/6/2013	6.56	NS	NA	NS	NA	5/15/2013	7.19	NS	NA	7/17/2013	6.60	NS	NA	NS	NA	NS	NA	12/9/2013	6.69	NS	NA	Semi-Annually
	Selenium (ug/L)	25		NA		19.6		NA		NA		19.0		NA		20.5		NA		NA		NA		21.7		NA	Semi-Annually
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	Semi-Annually
	Field pH (S.U.)	6.62 - 8.5		NA		6.75		NA		NA		7.27		NA		6.68		NA		NA		NA		***6.61***		NA	Semi-Annually
	Iron (ug/L)	81.7		NA		<30		NA		NA		<30		NA		<30		NA		NA		NA		<30		NA	Semi-Annually

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	Q1 2013 Results: January 2013 Monthly Sample Date	Q1 2013 Results: January 2013 Monthly Result	Q1 2013 Results: Q1 2013 Sample Date	Q1 2013 Results: Q1 2013 Result	Q1 2013 Results: March 2013 Monthly Sample Date	Q1 2013 Results: March 2013 Monthly Result	Q2 2013 Results: April 2013 Monthly Sample Date	Q2 2013 Results: April 2013 Monthly Result	Q2 2013 Results: Q2 2013 Sample Date	Q2 2013 Results: Q2 2013 Result	Q2 2013 Results: June 2013 Monthly Sample Date	Q2 2013 Results: June 2013 Monthly Result	Q3 2013 Results: Q3 2013 Sample Date	Q3 2013 Results: Q3 2013 Result	Q3 2013 Results: August 2013 Monthly Sample Date	Q3 2013 Results: August 2013 Monthly Result	Q3 2013 Results: September 2013 Monthly Sample Date	Q3 2013 Results: 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	Sample Frequency
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	Semi-Annually
	Sulfate (mg/L)	1938.9		NA		1270		NA		NA		1860		NA		1860		NA		NA		NA		***2000***		NA	Semi-Annually
	Field pH (S.U.)	6.25-8.5		NA		6.35		NA		NA		6.97		NA		6.45		NA		NA		NA		6.38		NA	Semi-Annually
	TDS (mg/L)	3198.77		NA		***3350***		NA		NA		3160		NA		3170		NA		NA		NA		***3240***		NA	Semi-Annually
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	Semi-Annually
	Gross Alpha minus Rn & U (pCi/L)	2.36		NA		1.11		NA		NA		1.19		NA		<1.00		NA		NA		NA		<1.00		NA	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		***3.61***		NA		NA		***4.21***		NA		***3.66***		NA		NA		NA		***3.70***		NA	Semi-Annually
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	3/11/2013	***6.37***	NS	NA	NS	NA	5/23/2013	7.23	NS	NA	7/18/2013	6.61	NS	NA	NS	NA	NS	NA	12/18/2013	7.21	NS	NA	Semi-Annually
	Manganese (ug/L)	550		NA		137		NA		NA		24.3		NA		129		NA		NA		NA		19.2		NA	Semi-Annually
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	Semi-Annually
	Fluoride (Mg/L)	0.36		NA		0.355		NA		NA		0.211		NA		0.288		NA		NA		NA		0.310		NA	
	Thallium (ug/L)	1		NA		0.88		NA		NA		0.618		NA		***1.64***		NA		NA		NA		0.707		NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		***6.29***		NA		NA		6.77		NA		***5.80***		NA		NA		NA		***6.08***		NA	Semi-Annually
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	Semi-Annually
	Chloride (mg/L)	38		NA		***50.3***		NA		NA		***44.3***		NA		***44.2***		NA		NA		NA		***45.0***		NA	Semi-Annually
	Sulfate (mg/L)	462		NA		431		NA		NA		***497***		NA		NA		NA		NA		NA		442		NA	Semi-Annually
	Field pH (S.U.)	6.5-8.5		NA		7.03		NA		NA		7.58		NA		7.00		NA		NA		NA		7.16		NA	Semi-Annually
	TDS (mg/L)	1075		NA		***1140***		NA		NA		***1110***		NA		***1110***		NA		NA		NA		***1100***		NA	Semi-Annually
	Gross Alpha minus Rn & U (pCi/L)	2		NA		<1.0		NA		NA		1.57		NA		<1.00		NA		NA		NA		1.28		NA	Semi-Annually
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	Semi-Annually
	Manganese (ug/L)	1837		NA		1680		NA		NA		1730		NA		1650		NA		NA		NA		1530		NA	Semi-Annually
	Field pH (S.U.)	6.1 - 8.5		NA		***6.00***		NA		NA		6.63		NA		***5.97***		NA		NA		NA		6.10		NA	Semi-Annually
MW-29 (Class III)	Iron (ug/L)	1869	NS	NA	3/6/2013	1350	NS	NA	NS	NA	5/23/2013	1250	NS	NA	7/17/2013	1400	NS	NA	NS	NA	NS	NA	11/20/2013	1690	NS	NA	Semi-Annually
	Manganese (ug/L)	5624		NA		5340		NA		NA		5140		NA		5140		NA		NA		NA		5320		NA	Semi-Annually
	TDS (mg/L)	4400		NA		***4500***		NA		NA		4340		NA		4270		NA		NA		NA		4370		NA	Semi-Annually
	Field pH (S.U.)	6.46 - 8.5		NA		***6.36***		NA		NA		6.88		NA		***6.37***		NA		NA		NA		***6.35***		NA	Semi-Annually
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	Semi-Annually
	Field pH (S.U.)	6.4 - 8.5		NA		6.52		NA		NA		7.10		NA		***6.39***		NA		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.
* Data are reported from the 6/5/13 chlorofrm program sample.

This constituent was removed from accelerated monitoring pursuant to the DRC letter dated November 14, 2013. The constituent exceeded the GWCL in the 4th quarter sample and will be sampled monthly beginning on or before March 2014.

Pursuant to the RC letter of November 14, 2013, these constituents will no longer be monitored on an accelerated schedule. These constituents will be dropped from this report after this quarter.

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Tab 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

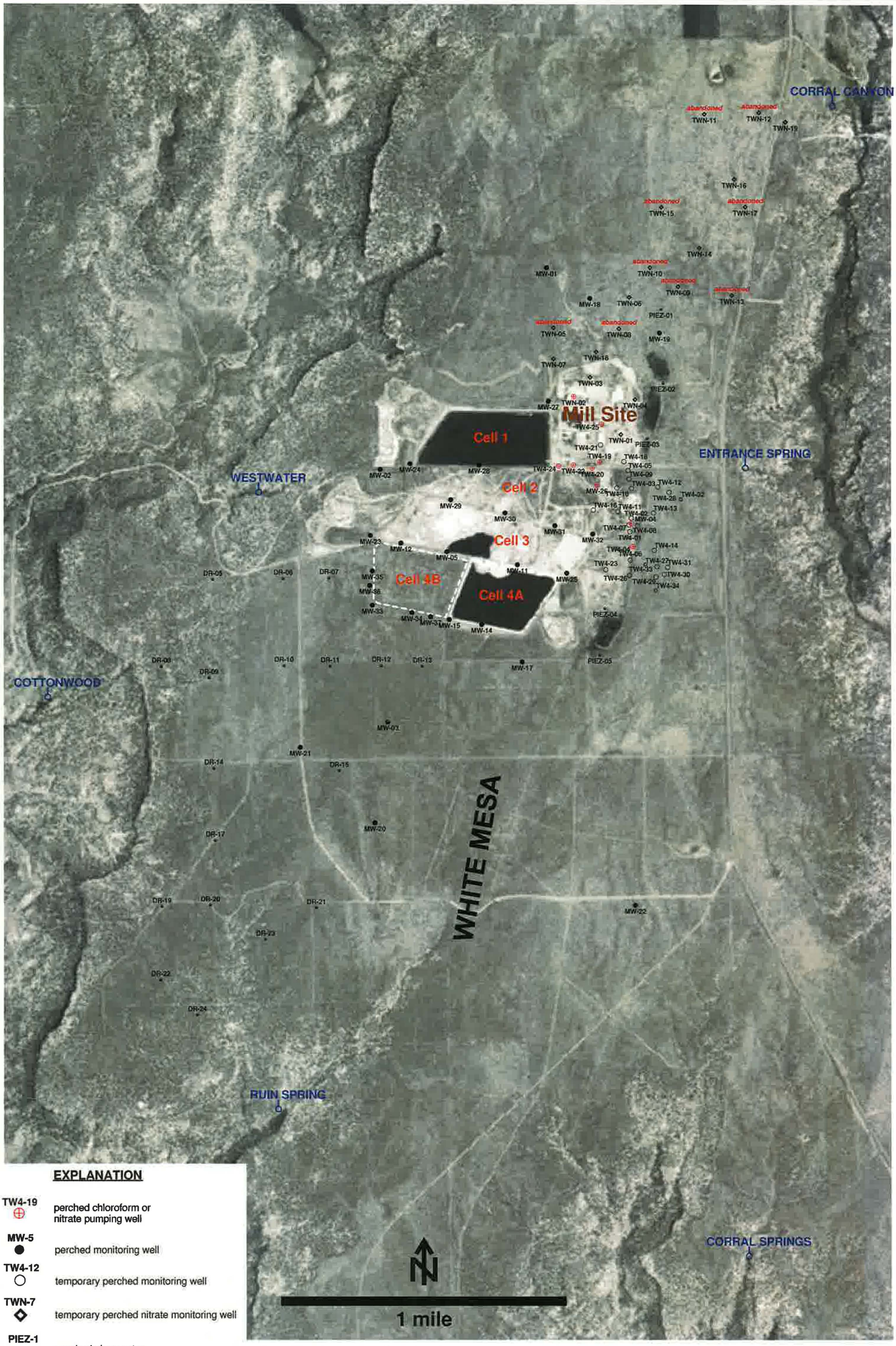
Tab H Kriged Current Quarterly Groundwater Contour Map

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
- MW-5 — perched monitoring well
- TW4-12 — temporary perched monitoring well
- TWN-7 — temporary perched nitrate monitoring well
- PIEZ-1 — perched piezometer
- TW4-32 — temporary perched monitoring well installed September, 2013
- RUIN SPRING — seep or spring

HYDRO GEO CHEM, INC.

SITE PLAN SHOWING PERCHED WELL AND PIEZOMETER LOCATIONS WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov13/Uwelloc0913.srf	A-1

Tab B

Field Data Worksheets Quarterly Sampling

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-01

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-01_12042013

Date and Time for Purging: 12/4/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-28

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 118.00

Depth to Water Before Purging: 63.73

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 19.91 (.367h)

Weather Cond.: Snowing

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

Time	0947	Gal. Purged	40.57
Conductance	1940	pH	6.93
Temp. °C	12.84		
Redox Potential Eh (mV)	238		
Turbidity (NTU)	0		

Time	0948	Gal. Purged	40.79
Conductance	1930	pH	7.00
Temp. °C	12.79		
Redox Potential Eh (mV)	230		
Turbidity (NTU)	0		

Time	0949	Gal. Purged	41.01
Conductance	1929	pH	7.02
Temp. °C	12.80		
Redox Potential Eh (mV)	219		
Turbidity (NTU)	0		

Time	0950	Gal. Purged	41.23
Conductance	1924	pH	7.04
Temp. °C	12.81		
Redox Potential Eh (mV)	217		
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 = [183.56]

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

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

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

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

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

Final Depth [98.29] Sample Time [0950]

See instruction

Comment

Arrived on site at 0635. Tanner and Garrin present for purge and sampling event.
Purge began at 0640. Purged well for a total of 190 minutes.
Water was clear
Purge ended and samples were collected at 0950. Left site at 1000

[MW-01 12-04-2013] Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-02

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-02_12052013

Date and Time for Purging: 12/5/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-05

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 128.80

Depth to Water Before Purging: 105.32

Casing Volume (V) 4" Well: 15.33 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	0857	Gal. Purged	31.89
Conductance	3722	pH	7.11
Temp. °C	12.83		
Redox Potential Eh (mV)	359		
Turbidity (NTU)	0		

Time	0858	Gal. Purged	32.11
Conductance	3720	pH	7.13
Temp. °C	12.89		
Redox Potential Eh (mV)	357		
Turbidity (NTU)	0		

Time	0859	Gal. Purged	32.33
Conductance	3720	pH	7.15
Temp. °C	12.87		
Redox Potential Eh (mV)	356		
Turbidity (NTU)	0		

Time	0900	Gal. Purged	32.55
Conductance	3720	pH	7.13
Temp. °C	12.91		
Redox Potential Eh (mV)	354		
Turbidity (NTU)	0		

Volume of Water Purged [32.55] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [141.31]

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

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

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

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

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

Final Depth [119.78] Sample Time [0900]

See instruction

Comment

Arrived on site at 0626 Tanner and Garrin present for purge and sampling event
Purge began at 0630. Purged well for a ~~total of 1 hr~~ 150 minutes.
water was clear
Purge ended and samples were collected at 0900. Left site at 0910

MW-02 12-05-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-03

Sampler Name and initials: Tanner Holliday/JH

Field Sample ID: MW-03_12112013

Date and Time for Purging: 12/11/2013 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: Semi Annual GW

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

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 97.00

Depth to Water Before Purging: 83.00

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 5.13 (.367h)

Weather Cond.: Clear

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

Time	0757	Gal. Purged	10.19
Conductance	3916	pH	6.86
Temp. °C	17.55		
Redox Potential Eh (mV)	328		
Turbidity (NTU)	19.4		

Time	0758	Gal. Purged	10.41
Conductance	3895	pH	6.80
Temp. °C	16.59		
Redox Potential Eh (mV)	326		
Turbidity (NTU)	19.1		

Time	0759	Gal. Purged	10.63
Conductance	3925	pH	6.80
Temp. °C	16.43		
Redox Potential Eh (mV)	325		
Turbidity (NTU)	19		

Time	0800	Gal. Purged	10.85
Conductance	3935	pH	6.78
Temp. °C	16.40		
Redox Potential Eh (mV)	323		
Turbidity (NTU)	19		

Volume of Water Purged: 10.85 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 47.35

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: 92.39 Sample Time: 0800

See instruction

Comment

Arrived on site at 0700. Tanner and Garrin present for purge and sampling event.
Purge began at 0710. Purged well for 50 minutes. Water was mostly clear.
Purge ended and samples collected at 0800. Left site at 0815.

MW-03 12-11-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-03A

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-03A_12112013

Date and Time for Purging: 12/10/2013 and Sampling (if different): 12/11/2013

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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-22

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 95.00

Depth to Water Before Purging: 85.10

Casing Volume (V) 4" Well: 6.46 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1400	Gal. Purged	13.44
Conductance	5968	pH	6.69
Temp. °C	10.74		
Redox Potential Eh (mV)	349		
Turbidity (NTU)	2.3		

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

Time	0644	Gal. Purged	0
Conductance	5935	pH	7.00
Temp. °C	10.34		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0658	Gal. Purged	0
Conductance	5940	pH	6.98
Temp. °C	10.40		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

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Volume of Water Purged: 13.44 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 67.34

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

If well evacuated to dryness, number of gallons evacuated: 13.44

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: 92.17 Sample Time: 0645

See instruction

Comment

Arrived on site at 1245. Tanner and Garrin present for purge. Purge began at 1250
Purged well for 70 minutes Flow Rate decreased throughout purge until well Ran dry
Purge ended at 1400 Water was clear. Left site at 1402.
Arrived on site at 0641. Tanner and Garrin present to collect samples.
Depth to water was 88.90 Samples collected at 0645. Left site at 0659

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-05

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-05_12042013

Date and Time for Purging: 12/4/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-27

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 138.50

Depth to Water Before Purging: 105.72

Casing Volume (V) 4" Well: 21.40 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Snowing

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

Time	1357	Gal. Purged	44.91
Conductance	3071	pH	7.57
Temp. °C	11.84		
Redox Potential Eh (mV)	212		
Turbidity (NTU)	0		

Time	1358	Gal. Purged	45.13
Conductance	3078	pH	7.58
Temp. °C	11.83		
Redox Potential Eh (mV)	207		
Turbidity (NTU)	0		

Time	1359	Gal. Purged	45.35
Conductance	3074	pH	7.58
Temp. °C	11.91		
Redox Potential Eh (mV)	204		
Turbidity (NTU)	0		

Time	1400	Gal. Purged	45.57
Conductance	3078	pH	7.58
Temp. °C	11.85		
Redox Potential Eh (mV)	202		
Turbidity (NTU)	0		

Volume of Water Purged: 45.57 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 197.28

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	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 124.03 Sample Time: 1400

See instruction

Comment

Arrived on site at 1027. Tanner present for purge and sampling event
Purge began at 1030. Purged well for a total of 210 minutes
water was clear. Purge ended and samples collected at 1400
Left site at 1411

MW-05 12-04-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_11192013

Date and Time for Purging: 11/19/2013 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: Semi annual GW Prev. Well Sampled in Sampling Event: MW-25

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm Well Depth(0.01ft): 130.00

Depth to Water Before Purging: ~~86.88~~ 86.88

Casing Volume (V) 4" Well: 28.15 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1127	Gal. Purged	55.76
Conductance	2914	pH	7.32
Temp. °C	14.22		
Redox Potential Eh (mV)	228		
Turbidity (NTU)	0		

Time	1128	Gal. Purged	55.98
Conductance	2917	pH	7.35
Temp. °C	14.25		
Redox Potential Eh (mV)	220		
Turbidity (NTU)	0		

Time	1129	Gal. Purged	56.20
Conductance	2910	pH	7.34
Temp. °C	14.23		
Redox Potential Eh (mV)	217		
Turbidity (NTU)	0		

Time	1130	Gal. Purged	56.42
Conductance	2905	pH	7.33
Temp. °C	14.24		
Redox Potential Eh (mV)	213		
Turbidity (NTU)	0		

Volume of Water Purged: 56.42 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 259.51

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 GEL

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

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

Final Depth: 87.04 Sample Time: 1130

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 260 minutes
Purge ended and samples collected at 1130
Left site at 1140

MW-11 11-19-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-12

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-12_12092013

Date and Time for Purging: 12/9/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-17

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 130.40

Depth to Water Before Purging: 108.56

Casing Volume (V) 4" Well: 14.26 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1512	Gal. Purged	28.64
Conductance	4270	pH	6.61
Temp. °C	12.15		
Redox Potential Eh (mV)	318		
Turbidity (NTU)	2.3		

Time	1513	Gal. Purged	28.86
Conductance	4266	pH	6.66
Temp. °C	12.20		
Redox Potential Eh (mV)	314		
Turbidity (NTU)	2.4		

Time	1514	Gal. Purged	29.07
Conductance	4238	pH	6.67
Temp. °C	12.40		
Redox Potential Eh (mV)	311		
Turbidity (NTU)	2.3		

Time	1515	Gal. Purged	29.29
Conductance	4239	pH	6.69
Temp. °C	12.42		
Redox Potential Eh (mV)	308		
Turbidity (NTU)	2.3		

Volume of Water Purged [29.29] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [131.44]

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

If well evacuated to dryness, number of gallons evacuated [6]

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

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

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

Final Depth [123.71] Sample Time [1515]

See instruction

Comment

Arrived on site at 1254, Tanner and Garrin present for purge and sampling event. Purge began at 1300. Purged well for a total of 135 Minutes Purge ended and samples collected at 1515. Left site at 1524 water was Mostly Clear

[MW-12 12-09-2013] Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-14_11202013

Date and Time for Purging: 11/20/2013 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: Semi Annual GW Prev. Well Sampled in Sampling Event: MW-30

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm Well Depth(0.01ft): 128.70

Depth to Water Before Purging: 103.27 Casing Volume (V) 4" Well: 16.60 (.653h)
3" Well: 0 (.367h)

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

Time	0912	Gal. Purged	32.98		
Conductance	3940	pH	6.51		
Temp. °C	14.25				
Redox Potential Eh (mV)	360				
Turbidity (NTU)	0				

Time	0913	Gal. Purged	33.20		
Conductance	3942	pH	6.51		
Temp. °C	14.27				
Redox Potential Eh (mV)	361				
Turbidity (NTU)	0				

Time	0914	Gal. Purged	33.41		
Conductance	3943	pH	6.51		
Temp. °C	14.26				
Redox Potential Eh (mV)	361				
Turbidity (NTU)	0				

Time	0915	Gal. Purged	33.63		
Conductance	3937	pH	6.51		
Temp. °C	14.28				
Redox Potential Eh (mV)	361				
Turbidity (NTU)	0				

Volume of Water Purged: 33.63 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 153.04

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

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

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

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

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

Final Depth: 103.73 Sample Time: 0915

See instruction

Comment

Arrived on site at 0636. Tanner and Garrin present for purge and sampling event
Purge began at 0640. Purged well for a total of 155 minutes
water was clear. Purge ended and samples collected at 0915.
Left site at 0925

MW-14 11-20-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-15

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: MW-15_11202013

Date and Time for Purging: 11/20/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-14

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 137.00

Depth to Water Before Purging: 106.11

Casing Volume (V) 4" Well: 20.17 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1237	Gal. Purged	40.57
Conductance	4316	pH	6.64
Temp. °C	14.35		
Redox Potential Eh (mV)	353		
Turbidity (NTU)	0		

Time	1238	Gal. Purged	40.79
Conductance	4317	pH	6.62
Temp. °C	14.37		
Redox Potential Eh (mV)	353		
Turbidity (NTU)	0		

Time	1239	Gal. Purged	41.01
Conductance	4314	pH	6.62
Temp. °C	14.34		
Redox Potential Eh (mV)	353		
Turbidity (NTU)	0		

Time	1240	Gal. Purged	41.23
Conductance	4312	pH	6.61
Temp. °C	14.36		
Redox Potential Eh (mV)	353		
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 = 185.90

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: 108.92 Sample Time: 1240

See instruction

Comment

Arrived on site at 0925. Tanner and Garrin present to ~~collect~~ purge and sample well. Purge began at 0930. Purged well for a total of 190 minutes. water was clear. Purge ended and samples collected at 1240. Left site at 1248

MW-15 11-20-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Ground Water 2013

Location (well name): MW-17

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-17_12092013

Date and Time for Purging: 12/9/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-23

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 112.00

Depth to Water Before Purging: 73.60

Casing Volume (V) 4" Well: 25.07 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

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

Time	1227	Gal. Purged	51.42
Conductance	4010	pH	6.95
Temp. °C	13.17		
Redox Potential Eh (mV)	333		
Turbidity (NTU)	0		

Time	1228	Gal. Purged	51.64
Conductance	4015	pH	6.95
Temp. °C	13.24		
Redox Potential Eh (mV)	331		
Turbidity (NTU)	0		

Time	1229	Gal. Purged	51.86
Conductance	4018	pH	6.95
Temp. °C	13.28		
Redox Potential Eh (mV)	330		
Turbidity (NTU)	0		

Time	1230	Gal. Purged	52.08
Conductance	4020	pH	6.94
Temp. °C	13.31		
Redox Potential Eh (mV)	328		
Turbidity (NTU)	0		

Volume of Water Purged: 52.08 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 231.10

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: ~~75.15~~ 86.00

Sample Time: 1230

See instruction

Comment

Arrived on site at 0820. Tanner and Garrin present for purge and sampling event. purge began at 0830. Purged well for a total of 240 minutes Water was clear. Purge ended and samples collected at 1230.

Left site at ~~75.15~~ 1239

MW-17 12-09-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-18

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-18_12032013

Date and Time for Purging: 12/3/2013 and Sampling (if different): N/A - 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-19

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 134.00

Depth to Water Before Purging: 70.33

Casing Volume (V) 4" Well: 91.57 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1357	Gal. Purged	83.97
Conductance	3502	pH	6.37
Temp. °C	13.83		
Redox Potential Eh (mV)	391		
Turbidity (NTU)	22		

Time	1358	Gal. Purged	84.19
Conductance	3500	pH	6.37
Temp. °C	13.86		
Redox Potential Eh (mV)	387		
Turbidity (NTU)	20		

Time	1359	Gal. Purged	84.41
Conductance	3500	pH	6.38
Temp. °C	13.95		
Redox Potential Eh (mV)	387		
Turbidity (NTU)	21		

Time	1400	Gal. Purged	84.63
Conductance	3498	pH	6.38
Temp. °C	13.91		
Redox Potential Eh (mV)	386		
Turbidity (NTU)	21		

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 = 383.19

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs: AWAL 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: 71.10 Sample Time: 1400

See instruction

Comment

Arrived on site at 0720. Tanner and Garrin present for purge and sampling event. Purge began at 0730. Purged well for a total of 390 minutes. water was clear
Purge ended and samples collected at 1400. Left site at 1410

MW-18 12-03-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Ground Water 2013

Location (well name): ~~MW-19_12~~ MW-19

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-19_12032013

Date and Time for Purging: 12/3/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: ~~MW-18~~ MW-26

MW-26

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 149.00

Depth to Water Before Purging: 57.54

Casing Volume (V) 4" Well: 59.72 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1527	Gal. Purged	120.86		
Conductance	1647	pH	6.50		
Temp. °C	13.92				
Redox Potential Eh (mV)	358				
Turbidity (NTU)	1.1				

Time	1528	Gal. Purged	121.08		
Conductance	1649	pH	6.55		
Temp. °C	13.97				
Redox Potential Eh (mV)	359				
Turbidity (NTU)	1.0				

Time	1529	Gal. Purged	121.30		
Conductance	1647	pH	6.57		
Temp. °C	13.98				
Redox Potential Eh (mV)	359				
Turbidity (NTU)	1.1				

Time	1530	Gal. Purged	121.52		
Conductance	1645	pH	6.58		
Temp. °C	14.01				
Redox Potential Eh (mV)	359				
Turbidity (NTU)	1.1				

Volume of Water Purged: 121.52 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 550.44

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 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: 68.15 Sample Time: 1530

See instruction

Comment

Arrived on site at 0605. Tanner and Garrin present for purge and sampling event. Purge began at 0610. Purged well for a total of 560 minutes water was clear

Purge ended and samples collected at 1530. Left site at 1539

MW-19 12-03-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-20

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-20_12182013

Date and Time for Purging: 12/3/2013 and Sampling (if different): 12/18/2013

Well Purging Equip Used: ☐ pump or ☒ bailer

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

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-37

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 91.00

Depth to Water Before Purging: 83.50

Casing Volume (V) 4" Well: 4.89 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1247	Gal. Purged	5
Conductance	6470	pH	7.18
Temp. °C	14.34		
Redox Potential Eh (mV)	407		
Turbidity (NTU)	411		

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

Time	0839	Gal. Purged	0
Conductance	5970	pH	7.73
Temp. °C	13.30		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0842	Gal. Purged	0
Conductance	5981	pH	7.71
Temp. °C	13.39		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged [8] gallon(s)

Pumping Rate Calculation

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

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

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

If well evacuated to dryness, number of gallons evacuated [8]

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

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

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

Final Depth [90.59] Sample Time [0840]

See instruction

Comment

Arrived on site at 1239. Tanner and Garrin present to bail well, started Bailing at 1241. Bailed 8 Gallons. Bailed well dry! Water was mostly dirty with a brown/grey color. Left site at 1253
Arrived on site at 0834. Tanner and Garrin present to collect samples, Depth to water was 88.05. samples bailed at 0840. Left site at 0843

MW-20 12-03-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Ground Water

Location (well name): MW-22

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-22_12102013

Date and Time for Purging: 12/10/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-12

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 114.00

Depth to Water Before Purging: 68.03

Casing Volume (V) 4" Well: 30.01 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1157	Gal. Purged	64.44
Conductance	6986	pH	4.88
Temp. °C	13.91		
Redox Potential Eh (mV)	394		
Turbidity (NTU)	44		

Time	1158	Gal. Purged	64.66
Conductance	6945	pH	4.87
Temp. °C	14.08		
Redox Potential Eh (mV)	399		
Turbidity (NTU)	9.1		

Time	1159	Gal. Purged	64.88
Conductance	6957	pH	4.87
Temp. °C	14.12		
Redox Potential Eh (mV)	401		
Turbidity (NTU)	9.0		

Time	1200	Gal. Purged	65.10
Conductance	6936	pH	4.88
Temp. °C	14.15		
Redox Potential Eh (mV)	402		
Turbidity (NTU)	9.2		

Volume of Water Purged: 65.1 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 276.66

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: ~~8~~ 99.15
99.15

Sample Time: 1200

See instruction

Comment

Arrived on site at 0649. Tanner and Garrin present for purge and sampling event
Purge began at 0700. Purged well for a total of 300 minutes.
Water was mostly clear. Purge ended and samples collected at 1200.
Left site at 1209

MW-22 12-10-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-23

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-23_12182013

Date and Time for Purging: 12/5/2013 and Sampling (if different): 12/18/2013

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-02

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 132.00

Depth to Water Before Purging: 113.85

Casing Volume (V) 4" Well: 11.85 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1405	Gal. Purged	24.00
Conductance	3895	pH	6.45
Temp. °C	11.18		
Redox Potential Eh (mV)	344		
Turbidity (NTU)	10.0		

Time	1245	Gal. Purged	0
Conductance	3961	pH	7.26
Temp. °C	13.08		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

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

Time	1255	Gal. Purged	0
Conductance	3918	pH	7.21
Temp. °C	13.15		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 24.0 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 123.45

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

If well evacuated to dryness, number of gallons evacuated: 24.0

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: 129.1 Sample Time: 1245

See instruction

Comment

Arrived on site at 1157 Tanner present for purge. Purge began at 1200. Purged well for a total of 125 minutes. Flow Rate decreased around 100 minutes. Purged well dry. Purge ended at 1405. water was mostly clear. Left site at 1408 Arrived on site at 1238. Tanner, Garrin, David present to collect samples. Depth to water was 120.55 samples collected at 1245. Left site at 1256

MW-23 12-05-2013 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: 4th Quarter Ground water 2013

Location (well name): MW-24

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-24_12122013

Date and Time for Purging: 12/11/2013 and Sampling (if different): 12/12/2013

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-03

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging: 114.15

Casing Volume (V) 4" Well: 3.82 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1510	Gal. Purged	7.68
Conductance	4397	pH	5.75
Temp. °C	14.14		
Redox Potential Eh (mV)	355		
Turbidity (NTU)	3.1		

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

Time	0759	Gal. Purged	0
Conductance	4511	pH	6.14
Temp. °C	13.66		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0811	Gal. Purged	0
Conductance	4490	pH	6.08
Temp. °C	13.59		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged: 7.68 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 39.79

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

If well evacuated to dryness, number of gallons evacuated: 7.68

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

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

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

Final Depth: 117.45 Sample Time: 0800

See instruction

Comment

Arrived on site at 1425. Tanner present for purge. Purge began at 1430. Purged well for a full 40 minutes. Flow Rate decreased until well ran dry. water was mostly clear. Purge ended at 1510. Left site at 1513

Arrived on site at 0756. Tanner and Garrin present to collect samples. Depth to water was 114.23 samples collected at 0800. Left site at 0812

MW-24 12-11-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_11192013

Date and Time for Purging: 11/19/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-31

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 73.35

Casing Volume (V) 4" Well: 27.19 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1112	Gal. Purged	55.76
Conductance	3213	pH	6.66
Temp. °C	14.28		
Redox Potential Eh (mV)	332		
Turbidity (NTU)	45		

Time	1113	Gal. Purged	55.98
Conductance	3211	pH	6.63
Temp. °C	14.32		
Redox Potential Eh (mV)	332		
Turbidity (NTU)	46		

Time	1114	Gal. Purged	56.20
Conductance	3211	pH	6.62
Temp. °C	14.29		
Redox Potential Eh (mV)	333		
Turbidity (NTU)	47		

Time	1115	Gal. Purged	56.42
Conductance	3214	pH	6.62
Temp. °C	14.29		
Redox Potential Eh (mV)	333		
Turbidity (NTU)	44		

Volume of Water Purged: 56.42 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 250.66

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: 75.20 Sample Time: 1115

See instruction

Comment

Arrived on site at 0649. Tanner and Garrin present for purge and sampling event
Purge began at 0655. Purged well for a total of 260 minutes
water was mostly clear. Purge ended and samples collected at 1115.
Left site at 1124

MW-25 11-19-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_11202013

Date and Time for Purging: 11/20/2013 and Sampling (if different): N/A

Well Purging Equip Used: ☑ pump or ☐ bailer

Well Pump (if other than Bennet): ~~QED~~ Continuous

Purging Method Used: ☑ 2 casings ☐ 3 casings

Sampling Event: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-36

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 64.91

Casing Volume (V) 4" Well: 36.84 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Raining

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

Time	1459	Gal. Purged	0
Conductance	3517	pH	6.83
Temp. °C	13.97		
Redox Potential Eh (mV)	265		
Turbidity (NTU)	0		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

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

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

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

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

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

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

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

Final Depth: 87.11 Sample Time: 1500

See instruction

Comment

Arrived on site at 1455. Tanner and Garrin present to collect samples. samples collected at 1500. Water was clear. Left site at 1505

Continuous Pumping Well

MW-26 11-20-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-27

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-27_12042013

Date and Time for Purging: 12/4/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-01

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 95.00

Depth to Water Before Purging: 52.19

Casing Volume (V) 4" Well: 27.95 (.653h)
3" Well: 0 (.367h)

Weather Cond.: 2 Snowing

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

Time	1432	Gal. Purged	57.93
Conductance	1501	pH	7.14
Temp. °C	14.08		
Redox Potential Eh (mV)	253		
Turbidity (NTU)	0		

Time	1433	Gal. Purged	58.15
Conductance	1496	pH	7.16
Temp. °C	14.20		
Redox Potential Eh (mV)	251		
Turbidity (NTU)	0		

Time	1434	Gal. Purged	58.37
Conductance	1510	pH	7.16
Temp. °C	14.10		
Redox Potential Eh (mV)	250		
Turbidity (NTU)	0		

Time	1435	Gal. Purged	58.59
Conductance	1515	pH	7.16
Temp. °C	14.15		
Redox Potential Eh (mV)	249		
Turbidity (NTU)	0		

Volume of Water Purged: 58.59 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 257.64

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs: AWAL 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: 53.89 Sample Time: 1430

See instruction

Comment

Arrived on site at 0958. Tanner present for purge and sampling event.
Purge began at 1000. Purged well for a total of 270 minutes
water was clear. Purge ended and samples collected at 1430
Left site at 1440

MW-27 12-04-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-28

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-28_12042013

Date and Time for Purging: 12/4/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-18

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.19

Casing Volume (V) 4" Well: 22.73 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Snowing

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

Time	1007	Gal. Purged	47.08
Conductance	3994	pH	6.03
Temp. °C	13.51		
Redox Potential Eh (mV)	297		
Turbidity (NTU)	0		

Time	1008	Gal. Purged	47.30
Conductance	3989	pH	6.07
Temp. °C	13.60		
Redox Potential Eh (mV)	298		
Turbidity (NTU)	0		

Time	1009	Gal. Purged	47.52
Conductance	3995	pH	6.07
Temp. °C	13.55		
Redox Potential Eh (mV)	298		
Turbidity (NTU)	0		

Time	1010	Gal. Purged	47.74
Conductance	3980	pH	6.10
Temp. °C	13.48		
Redox Potential Eh (mV)	298		
Turbidity (NTU)	0		

Volume of Water Purged: 47.74 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 209.50

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

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

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

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

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

Final Depth: 78.40 Sample Time: 1010

See instruction

Comment

Arrived on site at 0624. Tanner and Garrin present for purge and sampling event.
Purge began at 0630. Purged well for a total of 220 minutes.
water was Clear
Purge ended and samples collected at 1010. Left site at 1021

MW-28 12-04-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-29

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-29_11202013

Date and Time for Purging: 11/20/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-15

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 127.00

Depth to Water Before Purging: 101.48

Casing Volume (V) 4" Well: 16.66 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1257	Gal. Purged	34.06		
Conductance	4694	pH	6.46		
Temp. °C	13.89				
Redox Potential Eh (mV)	262				
Turbidity (NTU)	12				

Time	1258	Gal. Purged	34.28		
Conductance	4684	pH	6.41		
Temp. °C	13.90				
Redox Potential Eh (mV)	255				
Turbidity (NTU)	13				

Time	1259	Gal. Purged	34.50		
Conductance	4686	pH	6.36		
Temp. °C	13.93				
Redox Potential Eh (mV)	253				
Turbidity (NTU)	13				

Time	1300	Gal. Purged	34.72		
Conductance	4692	pH	6.35		
Temp. °C	13.96				
Redox Potential Eh (mV)	251				
Turbidity (NTU)	14				

Volume of Water Purged: 34.72 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 153.59

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: 103.98 Sample Time: 1300

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 160 minutes.
water was a little murky.
Purge ended and samples collected at 1300. Left site at 1310

MW-29 11-20-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Ground Water 2013

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_11202013

Date and Time for Purging: 11/20/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-35

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 74.96

Casing Volume (V) 4" Well: 22.88 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1002	Gal. Purged	46.00
Conductance	2048	pH	6.86
Temp. °C	14.22		
Redox Potential Eh (mV)	328		
Turbidity (NTU)	0		

Time	1003	Gal. Purged	46.22
Conductance	2050	pH	6.85
Temp. °C	14.25		
Redox Potential Eh (mV)	326		
Turbidity (NTU)	0		

Time	1004	Gal. Purged	46.43
Conductance	2050	pH	6.84
Temp. °C	14.24		
Redox Potential Eh (mV)	322		
Turbidity (NTU)	0		

Time	1005	Gal. Purged	46.65
Conductance	2052	pH	6.84
Temp. °C	14.22		
Redox Potential Eh (mV)	322		
Turbidity (NTU)	0		

Volume of Water Purged: 46.65 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 210.88

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: 77.55

Sample Time: 1005

See instruction

Comment

Arrived on site at 0625. Tanner and Garrin present for purge and sampling event. Purge started at 0630. Purged well for a total of 215 minutes water was clear. Purge ended and samples collected at 1005.

Left site at 1015

MW-30 11-20-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_11182013

Date and Time for Purging: 11/18/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-32

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 67.65

Casing Volume (V) 4" Well: 40.71 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1512	Gal. Purged	81.80
Conductance	2065	pH	6.98
Temp. °C	14.24		
Redox Potential Eh (mV)	292		
Turbidity (NTU)	0		

Time	1513	Gal. Purged	82.02
Conductance	2064	pH	6.99
Temp. °C	14.24		
Redox Potential Eh (mV)	292		
Turbidity (NTU)	0		

Time	1514	Gal. Purged	82.24
Conductance	2062	pH	6.99
Temp. °C	14.22		
Redox Potential Eh (mV)	293		
Turbidity (NTU)	0		

Time	1515	Gal. Purged	82.46
Conductance	2062	pH	6.99
Temp. °C	14.24		
Redox Potential Eh (mV)	294		
Turbidity (NTU)	0		

Volume of Water Purged: 82.46 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 375.24

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 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: 70.60 Sample Time: 1515

See instruction

Comment

Arrived on site at 0850, Tanner and Garrin present for purge. Purge began at 0855. Purged well for a total of 380 minutes. Water was mostly clear. Purge ended and samples collected at 1515. Left site at 1525.

MW-31 11-18-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water

Location (well name): MW-32

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-32_11182013

Date and Time for Purging: 11/18/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: N/A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 132.50

Depth to Water Before Purging: 74.30

Casing Volume (V) 4" Well: 38.00 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1432	Gal. Purged	77.46
Conductance	3930	pH	6.30
Temp. °C	14.43		
Redox Potential Eh (mV)	232		
Turbidity (NTU)	48		

Time	1433	Gal. Purged	77.68
Conductance	3932	pH	6.30
Temp. °C	14.37		
Redox Potential Eh (mV)	233		
Turbidity (NTU)	49		

Time	1434	Gal. Purged	77.90
Conductance	3928	pH	6.30
Temp. °C	14.35		
Redox Potential Eh (mV)	232		
Turbidity (NTU)	50		

Time	1435	Gal. Purged	78.12
Conductance	3929	pH	6.29
Temp. °C	14.37		
Redox Potential Eh (mV)	229		
Turbidity (NTU)	50		

Volume of Water Purged ~~3~~ 78.12 gallon(s)

78.12

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 350.27

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 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 76.83 Sample Time 1435

See instruction

Comment

Arrived on site at 0830 Tanner and Garrin present for purge. Purge began at 0835, Purged well for a total of 360 minutes water was murky. Purge ended and samples were collected at 1435. Left site at 1445

MW-32 11-18-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_11192013

Date and Time for Purging: 11/19/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-11

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 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.: Partly Cloudy

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

Time	1452	Gal. Purged	16.70		
Conductance	4196	pH	6.53		
Temp. °C	14.22				
Redox Potential Eh (mV)	293				
Turbidity (NTU)	0				

Time	1453	Gal. Purged	16.92		
Conductance	4196	pH	6.52		
Temp. °C	14.14				
Redox Potential Eh (mV)	290				
Turbidity (NTU)	0				

Time	1454	Gal. Purged	17.14		
Conductance	4197	pH	6.52		
Temp. °C	14.20				
Redox Potential Eh (mV)	287				
Turbidity (NTU)	0				

Time	1455	Gal. Purged	17.36		
Conductance	4196	pH	6.52		
Temp. °C	14.20				
Redox Potential Eh (mV)	284				
Turbidity (NTU)	0				

Volume of Water Purged: 17.36 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 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	☐	☒		☐	☒
General Inorganics								

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

Final Depth: 112.71

Sample Time: 1455

See instruction

Comment

Arrived on site at 1329. Tanner and Garrin present for purge and sampling event.
Purge began at 1335. Purged well for a total of 80 minutes.
Water was clear. Purge ended and samples pulled at 1455.
Left site at 1505

MW-35 11-19-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Ground Water 2013

Location (well name): MW-36

Sampler Name and initials: Tanner Holliday TH

Field Sample ID: MW-36_11202013

Date and Time for Purging: 11/20/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-29

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 121.60

Depth to Water Before Purging: 110.29

Casing Volume (V) 4" Well: 7.38 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1407	Gal. Purged	14.53		
Conductance	12	pH	6.93		
Temp. °C	14.02				
Redox Potential Eh (mV)	304				
Turbidity (NTU)	0				

Time	1408	Gal. Purged	14.75		
Conductance	13	pH	6.80		
Temp. °C	14.10				
Redox Potential Eh (mV)	306				
Turbidity (NTU)	0				

Time	1409	Gal. Purged	14.97		
Conductance	12	pH	6.77		
Temp. °C	14.06				
Redox Potential Eh (mV)	307				
Turbidity (NTU)	0				

Time	1410	Gal. Purged	15.19		
Conductance	12	pH	6.76		
Temp. °C	14.10				
Redox Potential Eh (mV)	308				
Turbidity (NTU)	0				

Volume of Water Purged: 15.19 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 68.06

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

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

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

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

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

Final Depth: 111.90 Sample Time: 1410

See instruction

Comment

Arrived on site at 1255. Tanner present for purge and sampling event. Purge began at 1300. Purged well for a total of 70 minutes water was clear. Purge ended and samples were collected at 1410

Raining during sampling.

MW-36 11-20-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4TH Quarter Ground Water 2013

Location (well name): MW-37

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-37_12182013

Date and Time for Purging: 12/3/2013 and Sampling (if different): 12/18/2013

Well Purging Equip Used: ☒ pump or ☒ bailer

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

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-18

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 121.80

Depth to Water Before Purging: 106.65

Casing Volume (V) 4" Well: 9.89 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1211	Gal. Purged	5		
Conductance	4474	pH	6.96		
Temp. °C	14.42				
Redox Potential Eh (mV)	402				
Turbidity (NTU)	1171				

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

Time	0819	Gal. Purged	0		
Conductance	4833	pH	6.94		
Temp. °C	14.44				
Redox Potential Eh (mV)					
Turbidity (NTU)					

Before

Time	0822	Gal. Purged	0		
Conductance	4341	pH	6.94		
Temp. °C	14.37				
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): 1.41

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: 121.46 Sample Time: 0820

See instruction

Comment

Arrived on site at 1200. Tanner and Garrin present to bail well. bailing began at 1203 Purged/bailed 14 Gallons. Bailed well dry. water started clear and ended dirty and with a brown color. Left site at 1227
Arrived on site at 0813. Tanner and Garrin present to collect samples. Depth to water was 114.05. samples bailed at @ 0820. Left site at 0823

MW-37 12-03-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 4th Quarter Ground Water 2013

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_11202013

Date and Time for Purging: 11/20/2013 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: Semi Annual GW

Prev. Well Sampled in Sampling Event: MW-29

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 121.60

Depth to Water Before Purging: 110.29

Casing Volume (V) 4" Well: 7.38 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

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

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

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

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

Volume of Water Purged: 15.19 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 68.06

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: 111.90

Sample Time: 1410

See instruction

Comment

Duplicate of MW-36

MW-65 11-20-2013 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: 4th Quarter Ground Water 2013

Location (well name): MW-70

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-70_12112013

Date and Time for Purging: 12/11/2013 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: Semi Annual GW

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

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 97.00

Depth to Water Before Purging: 83.00

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 5.13 (.367h)

Weather Cond.: Clear

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

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: 10.85 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 47.35

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	☐	☒		☐	☒
eral Inorganics								

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

Final Depth: 92.39 Sample Time: 0800

See instruction

Comment

Duplicate of MW-03

MW-70 12-11-2013 Do not touch this cell (SheetName)

Tab C

Field Data Worksheets Accelerated Monitoring

Tab C1

Field Data Worksheets Accelerated Monitoring

October 2013

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

See instruction

Description of Sampling Event: October Monthly Ground Water 2013

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday / TH

Field Sample ID: MW-11_10222013

Date and Time for Purging: 10/22/2013 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: 999 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 87.13

Casing Volume (V) 4" Well: 27.99 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1430	Gal. Purged	55.33		
Conductance	2907	pH	7.44		
Temp. °C	14.81				
Redox Potential Eh (mV)	197				
Turbidity (NTU)	0				

Time	1431	Gal. Purged	55.55		
Conductance	2900	pH	7.56		
Temp. °C	14.83				
Redox Potential Eh (mV)	198				
Turbidity (NTU)	0				

Time	1432	Gal. Purged	55.76		
Conductance	2899	pH	7.59		
Temp. °C	14.81				
Redox Potential Eh (mV)	198				
Turbidity (NTU)	0				

Time	1433	Gal. Purged	55.98		
Conductance	2897	pH	7.62		
Temp. °C	14.82				
Redox Potential Eh (mV)	198				
Turbidity (NTU)	0				

Volume of Water Purged [56.42] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [258.01]

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

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

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

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

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

Final Depth [87.97] Sample Time [1435]

See instruction

Comment

Arrived on site at 1011. Tanner and Garrin present for purge and sampling event. Purge began at 1015. Purged well for a total of 260 minutes. Water was clear. Purge ended and samples collected at 1435
Left site at 1439

MW-11 10-22-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: October Monthly Ground Water 2013

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: MW-14_10222013

Date and Time for Purging: 10/22/2013 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: 999 µMHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging: 103.63

Casing Volume (V) 4" Well: 16.37 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

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

Time	0910	Gal. Purged	33.63		
Conductance	1171	pH	6.74		
Temp. °C	14.57				
Redox Potential Eh (mV)	364				
Turbidity (NTU)	0				

Time	0911	Gal. Purged	33.85		
Conductance	1175	pH	6.76		
Temp. °C	14.59				
Redox Potential Eh (mV)	362				
Turbidity (NTU)	0				

Time	0912	Gal. Purged	34.06		
Conductance	1139	pH	6.76		
Temp. °C	14.53				
Redox Potential Eh (mV)	361				
Turbidity (NTU)	0				

Time	0913	Gal. Purged	34.28		
Conductance	1155	pH	6.77		
Temp. °C	14.57				
Redox Potential Eh (mV)	361				
Turbidity (NTU)	0				

Volume of Water Purged [34.72] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [150.88]

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 [104.51] Sample Time [0915]

See instruction

Comment

Arrived on site at 0630. Tanner and Garrin present for purge and sampling event. Purge began at 0635, Purged well for a total of 160 minutes. Water was clear. Purge ended and samples collected at 0915. Left site at 0920

MW-14 10-22-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: October Monthly Ground Water 2013

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/JH

Field Sample ID: MW-25_10222013

Date and Time for Purging: 10/22/2013 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-14

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 73.48 Casing Volume (V) 4" Well: 27.11 (.653h)
3" Well: 0 (.367h)

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

Time	1355	Gal. Purged	54.25
Conductance	3244	pH	6.78
Temp. °C	14.68		
Redox Potential Eh (mV)	338		
Turbidity (NTU)	14		

Time	1356	Gal. Purged	54.46
Conductance	3243	pH	6.78
Temp. °C	14.70		
Redox Potential Eh (mV)	338		
Turbidity (NTU)	15		

Time	1357	Gal. Purged	54.26 · 54.68
Conductance	3247	pH	6.80
Temp. °C	14.70		
Redox Potential Eh (mV)	337		
Turbidity (NTU)	15		

Time	1358	Gal. Purged	54.90
Conductance	3249	pH	6.81
Temp. °C	14.68		
Redox Potential Eh (mV)	337		
Turbidity (NTU)	16		

Volume of Water Purged: 55.33 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 249.88

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: 75.30 Sample Time: 1400

See instruction

Comment

Arrived on site at 0940. Tanner and Garrin present for purge and sampling event. Purge began at 0945. Purged well for a total of 255 minutes. water was mostly clear. Purge ended and Samples collected at 1400. Left site at 1406.

MW-25 10-22-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: October Ground Water 2013

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_10232013

Date and Time for Purging: 10/23/2013 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Purging Method Used: ☐ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-35

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 87.02

Casing Volume (V) 4" Well: 22.40 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1404	Gal. Purged	8
Conductance	3549	pH	6.82
Temp. °C	16.14		
Redox Potential Eh (mV)	273		
Turbidity (NTU)	0		

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

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

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

Volume of Water Purged [0] gallon(s)

Pumping Rate Calculation

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

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

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 [102.11] Sample Time [1405]

See instruction

Comment

Arrived on site at 1400. Tanner and Garrin present to collect samples. Samples collected at 1405. Water was clear. Left site at 1410

MW-26 10-23-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: October Monthly Ground Water 2013

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: MW-30_10222013

Date and Time for Purging: 10/22/2013 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: N/A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.36

Casing Volume (V) 4" Well: 22.61 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

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

Time	0955	Gal. Purged	45.57		
Conductance	2075	pH	6.87		
Temp. °C	14.58				
Redox Potential Eh (mV)	316				
Turbidity (NTU)	0				

Time	0956	Gal. Purged	45.78		
Conductance	2074	pH	6.93		
Temp. °C	14.58				
Redox Potential Eh (mV)	313				
Turbidity (NTU)	0				

Time	0957	Gal. Purged	46.00		
Conductance	2074	pH	6.94		
Temp. °C	14.58				
Redox Potential Eh (mV)	309				
Turbidity (NTU)	0				

Time	0958	Gal. Purged	46.22		
Conductance	2073	pH	6.96		
Temp. °C	14.57				
Redox Potential Eh (mV)	305				
Turbidity (NTU)	0				

Volume of Water Purged [46.65] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [208.47]

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

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

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

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

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

Final Depth [78.01] Sample Time [1000]

See instruction

Comment

Arrived on site at 0616. Tanner and Garrin present for purge and sampling event. Purge began at 0625. Purged well for a total of 215 minutes, water was clear. Purge ended and samples collected at 1000. Left site at 1006

MW-30 10-22-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: October Ground Water 2013

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_10232013

Date and Time for Purging: 10/23/2013 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: 999 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 67.55

Casing Volume (V) 4" Well: 40.77 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

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

Time	1317	Gal. Purged	81.80
Conductance	2074	pH	7.39
Temp. °C	14.85		
Redox Potential Eh (mV)	308		
Turbidity (NTU)	0		

Time	1318	Gal. Purged	82.02
Conductance	2075	pH	7.37
Temp. °C	14.72		
Redox Potential Eh (mV)	307		
Turbidity (NTU)	0		

Time	1319	Gal. Purged	82.24
Conductance	2078	pH	7.34
Temp. °C	14.70		
Redox Potential Eh (mV)	307		
Turbidity (NTU)	0		

Time	1320	Gal. Purged	82.46
Conductance	2074	pH	7.35
Temp. °C	14.71		
Redox Potential Eh (mV)	306		
Turbidity (NTU)	0		

Volume of Water Purged: 82.46 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 375.85

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

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

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

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

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

Final Depth: 70.15 Sample Time: 1320

See instruction

Comment

Arrived on site at 0655. Tanner and Garrin present for purge and sampling event. Purge began at 0700. Purged well for a total of 380 minutes water was clear. Purge ended and samples collected at 1320
Left site at 1331

MW-31 10-23-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: October Ground Water 2013

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_10232013

Date and Time for Purging: 10/23/2013 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: 999 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.42

Casing Volume (V) 4" Well: 7.88 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	~~1210~~ 1207	Gal. Purged	16.70
Conductance	4229	pH	6.83
Temp. °C	14.78		
Redox Potential Eh (mV)	305		
Turbidity (NTU)	0		

Time	1208	Gal. Purged	16.92
Conductance	4225	pH	6.82
Temp. °C	14.73		
Redox Potential Eh (mV)	303		
Turbidity (NTU)	0		

Time	1209	Gal. Purged	17.14
Conductance	4230	pH	6.82
Temp. °C	14.70		
Redox Potential Eh (mV)	292		
Turbidity (NTU)	0		

Time	1210	Gal. Purged	17.36
Conductance	4230	pH	6.83
Temp. °C	14.69		
Redox Potential Eh (mV)	291		
Turbidity (NTU)	0		

Volume of Water Purged [17.36] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [72.70]

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 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 [112.91] Sample Time [1210]

See instruction

Comment

Arrived on site at 1045. Tanner and Garrin present for purge and sampling event.
Purge began at 1050. Purged well for a total of 80 minutes
Water was clear. Purge ended and samples collected at 1210.
Left site at 1215

MW-35 10-23-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: October Ground Water 2013

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_10232013

Date and Time for Purging: 10/23/2013 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-11

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 67.55

Casing Volume (V) 4" Well: 40.77 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

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

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

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

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

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

Volume of Water Purged: 82.46 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 375.85

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

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

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

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

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

Final Depth: 70.15 Sample Time: 1320

See instruction

Comment

Duplicate of MW-31

MW-65 10-23-2013 Do not touch this cell (SheetName)

Tab C2

Field Data Worksheets Accelerated Monitoring

December 2013

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

See instruction

Description of Sampling Event: December Ground Water 2013

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_12182013

Date and Time for Purging: 12/18/2013 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: 999 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 86.96

Casing Volume (V) 4" Well: 28.10 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

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

Time	1127	Gal. Purged	57.93
Conductance	2675	pH	7.59
Temp. °C	13.70		
Redox Potential Eh (mV)	191		
Turbidity (NTU)	0		

Time	1128	Gal. Purged	58.15
Conductance	3010	pH	7.67
Temp. °C	13.68		
Redox Potential Eh (mV)	135		
Turbidity (NTU)	0		

Time	1129	Gal. Purged	58.37
Conductance	2985	pH	7.73
Temp. °C	13.65		
Redox Potential Eh (mV)	134		
Turbidity (NTU)	0		

Time	1130	Gal. Purged	58.59
Conductance	3001	pH	7.74
Temp. °C	13.70		
Redox Potential Eh (mV)	130		
Turbidity (NTU)	0		

Volume of Water Purged [58.59] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [259.03]

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

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

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

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

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

Final Depth [87.11] Sample Time [1130]

See instruction

Comment

Arrived on site at 0653, Tanner and Garrin present for purge and sampling event. Purge began at 0700. Purged well for a total of 270 minutes. Water was clear. Purge ended and sample collected at 1130 Left site at 1133

MW-11 12-18-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: December Monthly Ground Water 2013

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-14_12182013

Date and Time for Purging: 12/18/2013 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-30

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging: 103.53

Casing Volume (V) 4" Well: 16.43 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1337	Gal. Purged	34.06
Conductance	3922	pH	6.75
Temp. °C	14.27		
Redox Potential Eh (mV)	347		
Turbidity (NTU)	0		

Time	1338	Gal. Purged	34.28
Conductance	3918	pH	6.74
Temp. °C	14.29		
Redox Potential Eh (mV)	347		
Turbidity (NTU)	0		

Time	1339	Gal. Purged	34.50
Conductance	3920	pH	6.74
Temp. °C	14.24		
Redox Potential Eh (mV)	345		
Turbidity (NTU)	0		

Time	1340	Gal. Purged	34.72
Conductance	3910	pH	6.74
Temp. °C	14.20		
Redox Potential Eh (mV)	344		
Turbidity (NTU)	0		

Volume of Water Purged [34.72] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [151.48]

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

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

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

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

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

Final Depth [104.99] Sample Time [1340]

See instruction

Comment

Arrived on site at 1057. Tanner and Garrin present for purge and sampling event. Purge began at 1100. Purged well for a total of 160 minutes. water was clear. Purge ended and sample collected at 1340. Left site at 1345

[MW-14 12-18-2013] Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: December Monthly Ground Water 2013

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_12172013

Date and Time for Purging: 12/17/2013 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: 999 µMHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 73.70

Casing Volume (V) 4" Well: 26.96 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1257	Gal. Purged	53.59
Conductance	3193	pH	6.76
Temp. °C	14.53		
Redox Potential Eh (mV)	345		
Turbidity (NTU)	0		

Time	1258	Gal. Purged	53.81
Conductance	3195	pH	6.75
Temp. °C	14.50		
Redox Potential Eh (mV)	343		
Turbidity (NTU)	0		

Time	1259	Gal. Purged	54.03
Conductance	3191	pH	6.75
Temp. °C	14.49		
Redox Potential Eh (mV)	342		
Turbidity (NTU)	0		

Time	1300	Gal. Purged	54.25
Conductance	3197	pH	6.73
Temp. °C	14.51		
Redox Potential Eh (mV)	341		
Turbidity (NTU)	0		

Volume of Water Purged: 54.25 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 248.56

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	☐	☒		☐	☒
Fluoride								
chloride								

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

Final Depth: 75.01 Sample Time: 1300

See instruction

Comment

Arrived on site at 0845. Tanner and Garrin present for purge and sampling event.
Purge began at 0850. Purged well for a total of 250 minutes.
water was clear
Purge ended and samples collected at 1300. Left site at 1305

MW-25 12-17-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: December Ground Water 2013

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_12182013

Date and Time for Purging: 12/18/2013 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: 999 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 67.90

Casing Volume (V) 4" Well: 34.88 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Cloudy

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

Time	1429	Gal. Purged	0
Conductance	3045	pH	6.93
Temp. °C	14.22		
Redox Potential Eh (mV)	276		
Turbidity (NTU)	0		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

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

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

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: 83.43 Sample Time: 1430

See instruction

Comment

Arrived on site at 1427. Tanner and Garrin present to collect samples. Samples collected at 1430. water was clear. Left site at 1434.

Continuous Pumping Well!

MW-26 12-18-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: December Monthly Ground Water 2013

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_12182013

Date and Time for Purging: 12/18/2013 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-11

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.30

Casing Volume (V) 4" Well: 22.65 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Clear

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

Time	1037	Gal. Purged	44.91
Conductance	2074	pH	7.10
Temp. °C	13.50		
Redox Potential Eh (mV)	291		
Turbidity (NTU)	0		

Time	1038	Gal. Purged	45.13
Conductance	2077	pH	7.09
Temp. °C	13.65		
Redox Potential Eh (mV)	287		
Turbidity (NTU)	0		

Time	1039	Gal. Purged	45.35
Conductance	2073	pH	7.10
Temp. °C	13.68		
Redox Potential Eh (mV)	286		
Turbidity (NTU)	0		

Time	1040	Gal. Purged	45.57
Conductance	2066	pH	7.10
Temp. °C	13.71		
Redox Potential Eh (mV)	282		
Turbidity (NTU)	0		

Volume of Water Purged: 45.57 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 208.83

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

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

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

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

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

Final Depth: 77.81

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. Water was clear. Purge ended and samples collected at 1040

Left site at 1045

MW-30 12-18-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: December Monthly Ground Water 2013

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_12172013

Date and Time for Purging: 12/17/2013 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: 999 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 67.45

Casing Volume (V) 4" Well: 40.84 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1417	Gal. Purged	81.80
Conductance	2062	pH	7.20
Temp. °C	14.39		
Redox Potential Eh (mV)	326		
Turbidity (NTU)	0		

Time	1418	Gal. Purged	82.02
Conductance	2062	pH	7.17
Temp. °C	14.38		
Redox Potential Eh (mV)	325		
Turbidity (NTU)	0		

Time	1419	Gal. Purged	82.24
Conductance	2062	pH	7.20
Temp. °C	14.39		
Redox Potential Eh (mV)	323		
Turbidity (NTU)	0		

Time	1420	Gal. Purged	82.46
Conductance	2062	pH	7.23
Temp. °C	14.41		
Redox Potential Eh (mV)	320		
Turbidity (NTU)	0		

Volume of Water Purged: 82.46 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 376.45

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	☐	☒		☐	☑
TDS								
Sulfate								
Chloride								

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

Final Depth: 70.80 Sample Time: 1420

See instruction

Comment

Arrived on site at 0755. Tanner and Garrin present for purge and sampling event.
Purge began at 0800. Purged well for a total of 380 minutes
Purge ended and samples collected at 1420. water was clear.
Left site at 1426

MW-31 12-17-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: December Ground Water 2013

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_12172013

Date and Time for Purging: 12/17/2013 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: 999 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.49

Casing Volume (V) 4" Well: 7.84 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1442	Gal. Purged	18.87
Conductance	4164	pH	6.78
Temp. °C	14.04		
Redox Potential Eh (mV)	286		
Turbidity (NTU)	0		

Time	1443	Gal. Purged	19.09
Conductance	4169	pH	6.75
Temp. °C	14.07		
Redox Potential Eh (mV)	283		
Turbidity (NTU)	0		

Time	1444	Gal. Purged	19.31
Conductance	4167	pH	6.74
Temp. °C	14.06		
Redox Potential Eh (mV)	274		
Turbidity (NTU)	0		

Time	1445	Gal. Purged	19.53
Conductance	4166	pH	6.73
Temp. °C	14.03		
Redox Potential Eh (mV)	268		
Turbidity (NTU)	0		

Volume of Water Purged: 19.53 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 72.28

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

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

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

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

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

Final Depth: 113.20

Sample Time: ~~1345~~ 1445

See instruction

Comment

Arrived on site at 1310. Tanner and Garrin present for purge and sampling event. Purge began at 1315. Purged well for a total of 90 minutes. water was clear. Purge ended and samples collected at 1445. Left site at 1450

MW-35 12-17-2013 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: December Monthly Ground Water 2013

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_12182013

Date and Time for Purging: 12/18/2013 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: 999 µMHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging: 103.53

Casing Volume (V) 4" Well: 16.43 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

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

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

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

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

Volume of Water Purged [34.72] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [151.48]

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

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

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

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

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

Final Depth [104.99] Sample Time [1340]

See instruction

Comment

Duplicate of MW-14

MW-65 12-18-2013 Do not touch this cell (SheetName)

Tab D

Quarterly Depth to Water

NAME: Garrin Palmer, Tanner Holliday, David Turk

DATE: 12/20/2013

TIME	WELL	Static level
1211	MW-1	64.60
951	MW-2	109.52
1304	MW-3	87.49
1303	MW-3A	85.93
935	MW-5	106.02
939	MW-11	86.51
933	MW-12	108.11
917	MW-14	103.25
917	MW-15	105.90
1308	MW-17	72.95
1209	MW-18	71.11
1152	MW-19	58.38
1226	MW-20	89.10
1153	MW-22	67.70
931	MW-23	120.72
1233	MW-24	114.15
942	MW-25	73.14
1240	MW-26	66.18
1230	MW-27	53.21
1236	MW-28	76.22
948	MW-29	101.11
944	MW-30	74.83
821	MW-31	67.24
819	MW-32	73.91
923	MW-33	DRY
920	MW-34	107.56
929	MW-35	111.88
927	MW-36	110.10
918	MW-37	114.22

TIME	WELL	Static Level
1238	MW-4	69.10
802	TW4-1	64.66
806	TW4-2	65.45
809	TW4-3	51.85
1226	TW4-4	70.16
812	TW4-5	60.18
801	TW4-6	68.93
805	TW4-7	65.27
808	TW4-8	64.84
811	TW4-9	57.86
813	TW4-10	58.02
815	TW4-11	57.99
731	TW4-12	42.11
735	TW4-13	46.48
737	TW4-14	84.58
1240	TW4-15	66.18
817	TW4-16	61.85
819	TW4-17	73.91
1225	TW4-18	61.57
1242	TW4-19	66.84
1229	TW4-20	70.09
1223	TW4-21	61.90
1224	TW4-22	59.07
759	TW4-23	64.41
1242	TW4-24	60.98
1221	TW4-25	83.91
757	TW4-26	62.71
739	TW4-27	80.80
732	TW4-28	36.75
742	TW4-29	71.61
746	TW4-30	77.00
748	TW4-31	82.77
734	TW4-32	48.10
749	TW4-33	70.11
743	TW4-34	69.20

TIME	WELL	Static Level
1156	PIEZ-1	63.16
1150	PIEZ-2	33.51
1146	PIEZ-3	44.93
755	PIEZ-4	50.35
752	PIEZ-5	47.68
1227	TWN-1	57.75
1134	TWN-2	32.01
1139	TWN-3	36.90
1144	TWN-4	49.95
NA	TWN-5	Abandon
1205	TWN-6	76.79
1214	TWN-7	87.03
NA	TWN-8	Abandon
NA	TWN-9	Abandon
NA	TWN-10	Abandon
NA	TWN-11	Abandon
NA	TWN-12	Abandon
NA	TWN-13	Abandon
1157	TWN-14	62.31
NA	TWN-15	Abandon
1201	TWN-16	47.71
NA	TWN-17	Abandon
1141	TWN-18	59.19
1012	TWN-19	52.90

TIME	WELL	Static Level
NA	DR-1	Abandon
NA	DR-2	Abandon
1246	DR-5	83.05
1248	DR-6	94.35
925	DR-7	91.86
1240	DR-8	51.11
1237	DR-9	86.47
1234	DR-10	78.15
1256	DR-11	98.25
1258	DR-12	89.90
1301	DR-13	69.79
1221	DR-14	76.33
1230	DR-15	92.91
NA	DR-16	Abandon
1217	DR-17	64.97
NA	DR-18	Abandon
1212	DR-19	63.00
1214	DR-20	55.50
1157	DR-21	101.29
1209	DR-22	DRY
1200	DR-23	70.62
1206	DR-24	43.80
NA	DR-25	Abandon

Some time may be the same because we split up to take measurments.

Tab E

Laboratory Analytical Reports – Quarterly Sampling

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-001
Client Sample ID: MW-01_12042013
Collection Date: 12/4/2013 950h
Received Date: 12/9/2013 1000h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/10/2013 955h	12/15/2013 1729h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/10/2013 955h	12/15/2013 1905h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/10/2013 955h	12/15/2013 1729h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	12/10/2013 955h	12/16/2013 1248h	E200.7	50.0	**191**	2
Chromium	mg/L	12/10/2013 955h	12/15/2013 1729h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/10/2013 955h	12/15/2013 1729h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/10/2013 955h	12/15/2013 1729h	E200.8	0.0100	< 0.0100	
Iron	mg/L	12/10/2013 955h	12/15/2013 1905h	E200.8	0.0300	**0.243**	
Lead	mg/L	12/10/2013 955h	12/15/2013 1905h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/10/2013 955h	12/16/2013 1129h	E200.7	5.00	**64.3**	2
Manganese	mg/L	12/10/2013 955h	12/15/2013 1729h	E200.8	0.0100	**0.113**	
Mercury	mg/L	12/10/2013 1230h	12/12/2013 916h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/10/2013 955h	12/15/2013 1729h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/10/2013 955h	12/15/2013 1729h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/10/2013 955h	12/16/2013 1412h	E200.7	1.00	**6.97**	
Selenium	mg/L	12/10/2013 955h	12/15/2013 1729h	E200.8	0.00500	< 0.00500	
Silver	mg/L	12/10/2013 955h	12/15/2013 1729h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/10/2013 955h	12/16/2013 1248h	E200.7	50.0	**176**	2
Thallium	mg/L	12/10/2013 955h	12/11/2013 2007h	E200.8	0.000500	< 0.000500	
Tin	mg/L	12/10/2013 955h	12/11/2013 2206h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/10/2013 955h	12/15/2013 2003h	E200.8	0.000300	**0.000385**	
Vanadium	mg/L	12/10/2013 955h	12/16/2013 1412h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/10/2013 955h	12/15/2013 1729h	E200.8	0.0100	< 0.0100	

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

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-001
Client Sample ID: MW-01_12042013
Collection Date: 12/4/2013 950h
Received Date: 12/9/2013 1000h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/12/2013 1230h	12/16/2013 2156h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		12/12/2013 1114h	SM2320B	1.00	**235**	
Carbonate (as CaCO3)	mg/L		12/12/2013 1114h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/9/2013 1537h	E300.0	5.00	**18.7**	
Fluoride	mg/L		12/10/2013 542h	E300.0	0.100	**0.302**	
Ion Balance	%		12/16/2013 1543h	Calc.	-15.0	**-4.09**	
Nitrate/Nitrite (as N)	mg/L		12/10/2013 1830h	E353.2	0.100	< 0.100	
Sulfate	mg/L		12/9/2013 1509h	E300.0	100	**930**	
Total Anions, Measured	meq/L		12/16/2013 1543h	Calc.		**24.6**	
Total Cations, Measured	meq/L		12/16/2013 1543h	Calc.		**22.7**	
Total Dissolved Solids	mg/L		12/10/2013 1115h	SM2540C	20.0	**1,440**	
Total Dissolved Solids Ratio, Measured/Calculated			12/16/2013 1543h	Calc.		**0.942**	
Total Dissolved Solids, Calculated	mg/L		12/16/2013 1543h	Calc.		**1,530**	

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

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Salt Lake City, UT 84115
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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-001A
Client Sample ID: MW-01_12042013
Collection Date: 12/4/2013 950h
Received Date: 12/9/2013 1000h

Test Code: 8260-W

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

Analyzed: 12/9/2013 1750h
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	**5.51**	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.2	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.9	50.00	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.3	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	50.9	50.00	102	77-129	

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

Certificate of Analysis

Report Date: January 2, 2014

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

Client Sample ID:	MW-01_12042013	Project:	DNMI00100
Sample ID:	338950001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	04-DEC-13 09:50		
Receive Date:	10-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.318	0.981	1.00	pCi/L		KDF1	12/21/13	1632	1352658	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.

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-002
Client Sample ID: MW-02_12052013
Collection Date: 12/5/2013 900h
Received Date: 12/9/2013 1000h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/10/2013 955h	12/15/2013 1756h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/10/2013 955h	12/15/2013 1910h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/10/2013 955h	12/15/2013 1756h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	12/10/2013 955h	12/16/2013 1304h	E200.7	50.0	**308**	
Chromium	mg/L	12/10/2013 955h	12/15/2013 1756h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/10/2013 955h	12/15/2013 1756h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/10/2013 955h	12/15/2013 1756h	E200.8	0.0100	< 0.0100	
Iron	mg/L	12/10/2013 955h	12/15/2013 1910h	E200.8	0.0300	< 0.0300	
Lead	mg/L	12/10/2013 955h	12/15/2013 1910h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/10/2013 955h	12/16/2013 1141h	E200.7	5.00	**86.0**	
Manganese	mg/L	12/10/2013 955h	12/15/2013 1756h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	12/10/2013 1230h	12/12/2013 922h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/10/2013 955h	12/15/2013 1756h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/10/2013 955h	12/15/2013 1756h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/10/2013 955h	12/16/2013 1424h	E200.7	1.00	**10.5**	
Selenium	mg/L	12/10/2013 955h	12/15/2013 1756h	E200.8	0.00500	**0.0126**	
Silver	mg/L	12/10/2013 955h	12/15/2013 1756h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/10/2013 955h	12/16/2013 1304h	E200.7	50.0	**474**	
Thallium	mg/L	12/10/2013 955h	12/11/2013 2017h	E200.8	0.000500	< 0.000500	
Tin	mg/L	12/10/2013 955h	12/11/2013 2236h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/10/2013 955h	12/15/2013 2008h	E200.8	0.000300	**0.0122**	
Vanadium	mg/L	12/10/2013 955h	12/16/2013 1424h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/10/2013 955h	12/15/2013 1756h	E200.8	0.0100	< 0.0100	

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Salt Lake City, UT 84115

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Fax: (801) 263-8687
e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-002
Client Sample ID: MW-02_12052013
Collection Date: 12/5/2013 900h
Received Date: 12/9/2013 1000h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/12/2013 1230h	12/16/2013 2159h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		12/12/2013 1114h	SM2320B	1.00	**303**	
Carbonate (as CaCO3)	mg/L		12/12/2013 1114h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/10/2013 610h	E300.0	1.00	**6.52**	
Fluoride	mg/L		12/10/2013 610h	E300.0	0.100	**0.307**	
Ion Balance	%		12/16/2013 1543h	Calc.	-15.0	**-2.72**	
Nitrate/Nitrite (as N)	mg/L		12/10/2013 1832h	E353.2	0.100	< 0.100	
Sulfate	mg/L		12/9/2013 1820h	E300.0	500	**1,900**	
Total Anions, Measured	meq/L		12/16/2013 1543h	Calc.		**45.8**	
Total Cations, Measured	meq/L		12/16/2013 1543h	Calc.		**43.4**	
Total Dissolved Solids	mg/L		12/10/2013 1115h	SM2540C	20.0	**3,080**	
Total Dissolved Solids Ratio, Measured/Calculated			12/16/2013 1543h	Calc.		**1.04**	
Total Dissolved Solids, Calculated	mg/L		12/16/2013 1543h	Calc.		**2,970**	

American West ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, UT 84115
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-002A
Client Sample ID: MW-02_12052013
Collection Date: 12/5/2013 900h
Received Date: 12/9/2013 1000h

Test Code: 8260-W

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

Analyzed: 12/9/2013 1808h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.8	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.9	50.00	99.8	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.6	50.00	99.2	80-124	
Surr: Toluene-d8	2037-26-5	50.8	50.00	102	77-129	

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

Certificate of Analysis

Report Date: January 2, 2014

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

Client Sample ID:	MW-02_12052013	Project:	DNMI00100
Sample ID:	338950002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	05-DEC-13 09:00		
Receive Date:	10-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.290	0.996	1.00	pCi/L		KDF1	12/21/13	1635	1352658	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.

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-001
Client Sample ID: MW-03_12112013
Collection Date: 12/11/2013 800h
Received Date: 12/13/2013 1310h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/16/2013 930h	12/18/2013 1430h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/16/2013 930h	12/18/2013 626h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/16/2013 930h	12/18/2013 450h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	12/16/2013 930h	12/19/2013 1627h	E200.7	50.0	**425**	2
Chromium	mg/L	12/16/2013 930h	12/18/2013 450h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/16/2013 930h	12/18/2013 450h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/16/2013 930h	12/18/2013 450h	E200.8	0.0100	< 0.0100	
Iron	mg/L	12/16/2013 930h	12/18/2013 626h	E200.8	0.0300	< 0.0300	
Lead	mg/L	12/16/2013 930h	12/18/2013 626h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/16/2013 930h	12/19/2013 1627h	E200.7	50.0	**239**	2
Manganese	mg/L	12/16/2013 930h	12/18/2013 450h	E200.8	0.0100	**0.975**	1
Mercury	mg/L	12/17/2013 1700h	12/18/2013 841h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/16/2013 930h	12/18/2013 450h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/16/2013 930h	12/18/2013 450h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/16/2013 930h	12/20/2013 1407h	E200.7	5.00	**23.3**	
Selenium	mg/L	12/16/2013 930h	12/18/2013 450h	E200.8	0.00500	**0.0328**	
Silver	mg/L	12/16/2013 930h	12/18/2013 450h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/16/2013 930h	12/20/2013 1305h	E200.7	50.0	**785**	2
Thallium	mg/L	12/16/2013 930h	12/18/2013 1541h	E200.8	0.000500	**0.00110**	
Tin	mg/L	12/16/2013 930h	12/18/2013 1705h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/16/2013 930h	12/18/2013 724h	E200.8	0.000300	**0.0370**	
Vanadium	mg/L	12/16/2013 930h	12/19/2013 1719h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/16/2013 930h	12/18/2013 450h	E200.8	0.0100	**0.0203**	

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

American West ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, UT 84115
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-001
Client Sample ID: MW-03_12112013
Collection Date: 12/11/2013 800h
Received Date: 12/13/2013 1310h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/18/2013 1335h	12/19/2013 1336h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		12/16/2013 714h	SM2320B	1.00	**312**	
Carbonate (as CaCO3)	mg/L		12/16/2013 714h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/14/2013 147h	E300.0	10.0	**63.8**	
Fluoride	mg/L		12/16/2013 2323h	E300.0	0.100	**1.28**	
Ion Balance	%		12/23/2013 810h	Calc.	-15.0	**-6.61**	
Nitrate/Nitrite (as N)	mg/L		12/18/2013 1704h	E353.2	0.100	**1.21**	
Sulfate	mg/L		12/13/2013 2131h	E300.0	500	**3,760**	
Total Anions, Measured	meq/L		12/23/2013 810h	Calc.		**86.3**	
Total Cations, Measured	meq/L		12/23/2013 810h	Calc.		**75.6**	
Total Dissolved Solids	mg/L		12/13/2013 1500h	SM2540C	20.0	**5,860**	
Total Dissolved Solids Ratio, Measured/Calculated			12/23/2013 810h	Calc.		**1.07**	
Total Dissolved Solids, Calculated	mg/L		12/23/2013 810h	Calc.		**5,480**	

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

American West ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, UT 84115
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-001A
Client Sample ID: MW-03_12112013
Collection Date: 12/11/2013 800h
Received Date: 12/13/2013 1310h
Test Code: 8260-W

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

Analyzed: 12/13/2013 1948h
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	**4.86**	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.5	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.8	50.00	106	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.9	50.00	97.8	80-124	
Surr: Toluene-d8	2037-26-5	50.9	50.00	102	77-129	

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

Certificate of Analysis

Report Date: January 2, 2014

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_12112013	Project:	DNMI00100
Sample ID:	339269001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	11-DEC-13 08:00		
Receive Date:	13-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.295	0.986	1.00	pCi/L		KDF1	12/21/13	1633	1352658	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			100	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-002
Client Sample ID: MW-03A_12112013
Collection Date: 12/11/2013 645h
Received Date: 12/13/2013 1310h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/16/2013 930h	12/18/2013 1446h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/16/2013 930h	12/18/2013 631h	E200.8	0.000500	**0.000966**	
Cadmium	mg/L	12/16/2013 930h	12/18/2013 517h	E200.8	0.000500	**0.000998**	
Calcium	mg/L	12/16/2013 930h	12/19/2013 1643h	E200.7	50.0	**446**	
Chromium	mg/L	12/16/2013 930h	12/18/2013 517h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/16/2013 930h	12/18/2013 517h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/16/2013 930h	12/18/2013 517h	E200.8	0.0100	< 0.0100	
Iron	mg/L	12/16/2013 930h	12/18/2013 631h	E200.8	0.0300	< 0.0300	
Lead	mg/L	12/16/2013 930h	12/18/2013 631h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/16/2013 930h	12/19/2013 1643h	E200.7	50.0	**296**	
Manganese	mg/L	12/16/2013 930h	12/18/2013 517h	E200.8	0.0100	**0.0303**	
Mercury	mg/L	12/17/2013 1700h	12/18/2013 848h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/16/2013 930h	12/18/2013 517h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/16/2013 930h	12/18/2013 517h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/16/2013 930h	12/20/2013 1419h	E200.7	5.00	**27.8**	
Selenium	mg/L	12/16/2013 930h	12/18/2013 517h	E200.8	0.00500	**0.0779**	
Silver	mg/L	12/16/2013 930h	12/18/2013 517h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/16/2013 930h	12/20/2013 1317h	E200.7	50.0	**781**	
Thallium	mg/L	12/16/2013 930h	12/18/2013 1548h	E200.8	0.000500	**0.000829**	
Tin	mg/L	12/16/2013 930h	12/18/2013 1726h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/16/2013 930h	12/18/2013 730h	E200.8	0.000300	**0.0243**	
Vanadium	mg/L	12/16/2013 930h	12/19/2013 1732h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/16/2013 930h	12/18/2013 517h	E200.8	0.0100	**0.0398**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-002
Client Sample ID: MW-03A_12112013
Collection Date: 12/11/2013 645h
Received Date: 12/13/2013 1310h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/18/2013 1335h	12/19/2013 1340h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		12/16/2013 714h	SM2320B	1.00	**315**	
Carbonate (as CaCO3)	mg/L		12/16/2013 714h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/14/2013 211h	E300.0	10.0	**60.9**	
Fluoride	mg/L		12/17/2013 033h	E300.0	0.100	**1.04**	
Ion Balance	%		12/23/2013 810h	Calc.	-15.0	**2.12**	
Nitrate/Nitrite (as N)	mg/L		12/18/2013 1706h	E353.2	0.100	**1.52**	
Sulfate	mg/L		12/13/2013 2241h	E300.0	500	**3,360**	
Total Anions, Measured	meq/L		12/23/2013 810h	Calc.		**77.9**	
Total Cations, Measured	meq/L		12/23/2013 810h	Calc.		**81.3**	
Total Dissolved Solids	mg/L		12/13/2013 1500h	SM2540C	20.0	**5,940**	
Total Dissolved Solids Ratio, Measured/Calculated			12/23/2013 810h	Calc.		**1.15**	
Total Dissolved Solids, Calculated	mg/L		12/23/2013 810h	Calc.		**5,160**	

463 West 3600 South
Salt Lake City, UT 84115

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Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-002A
Client Sample ID: MW-03A_12112013
Collection Date: 12/11/2013 645h
Received Date: 12/13/2013 1310h
Test Code: 8260-W

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

Analyzed: 12/13/2013 2007h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.3	50.00	103	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.6	50.00	107	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.6	50.00	97.3	80-124	
Surr: Toluene-d8	2037-26-5	50.7	50.00	101	77-129	

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

Certificate of Analysis

Report Date: January 2, 2014

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

Client Sample ID:	MW-03A_12112013	Project:	DNMI00100
Sample ID:	339269002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	11-DEC-13 06:45		
Receive Date:	13-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		1.29	+/-0.366	0.959	1.00	pCi/L		KDF1	12/21/13	1635	1352658	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.

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-003
Client Sample ID: MW-05_12042013
Collection Date: 12/4/2013 1400h
Received Date: 12/9/2013 1000h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/10/2013 955h	12/15/2013 1817h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/10/2013 955h	12/15/2013 1915h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/10/2013 955h	12/15/2013 1817h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	12/10/2013 955h	12/16/2013 1308h	E200.7	50.0	**151**	
Chromium	mg/L	12/10/2013 955h	12/15/2013 1817h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/10/2013 955h	12/15/2013 1817h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/10/2013 955h	12/15/2013 1817h	E200.8	0.0100	< 0.0100	
Iron	mg/L	12/10/2013 955h	12/15/2013 1915h	E200.8	0.0300	**0.0308**	
Lead	mg/L	12/10/2013 955h	12/15/2013 1915h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/10/2013 955h	12/16/2013 1145h	E200.7	5.00	**36.6**	
Manganese	mg/L	12/10/2013 955h	12/15/2013 1817h	E200.8	0.0100	**0.225**	
Mercury	mg/L	12/10/2013 1230h	12/12/2013 924h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/10/2013 955h	12/15/2013 1817h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/10/2013 955h	12/15/2013 1817h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/10/2013 955h	12/16/2013 1428h	E200.7	1.00	**8.46**	
Selenium	mg/L	12/10/2013 955h	12/15/2013 1817h	E200.8	0.00500	< 0.00500	
Silver	mg/L	12/10/2013 955h	12/15/2013 1817h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/10/2013 955h	12/16/2013 1308h	E200.7	50.0	**492**	
Thallium	mg/L	12/10/2013 955h	12/11/2013 2027h	E200.8	0.000500	< 0.000500	
Tin	mg/L	12/10/2013 955h	12/11/2013 2246h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/10/2013 955h	12/15/2013 2014h	E200.8	0.000300	**0.0201**	
Vanadium	mg/L	12/10/2013 955h	12/16/2013 1428h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/10/2013 955h	12/15/2013 1817h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-003
Client Sample ID: MW-05_12042013
Collection Date: 12/4/2013 1400h
Received Date: 12/9/2013 1000h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/12/2013 1230h	12/16/2013 2201h	E350.1	0.0500	**0.435**	
Bicarbonate (as CaCO3)	mg/L		12/12/2013 1114h	SM2320B	1.00	**312**	
Carbonate (as CaCO3)	mg/L		12/12/2013 1114h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/10/2013 231h	E300.0	10.0	**50.2**	
Fluoride	mg/L		12/10/2013 637h	E300.0	0.100	**0.880**	
Ion Balance	%		12/16/2013 1543h	Calc.	-15.0	**3.42**	
Nitrate/Nitrite (as N)	mg/L		12/10/2013 1833h	E353.2	0.100	**0.279**	
Sulfate	mg/L		12/9/2013 1942h	E300.0	500	**1,080**	
Total Anions, Measured	meq/L		12/16/2013 1543h	Calc.		**30.1**	
Total Cations, Measured	meq/L		12/16/2013 1543h	Calc.		**32.2**	
Total Dissolved Solids	mg/L		12/10/2013 1115h	SM2540C	20.0	**2,170**	
Total Dissolved Solids Ratio, Measured/Calculated			12/16/2013 1543h	Calc.		**1.08**	
Total Dissolved Solids, Calculated	mg/L		12/16/2013 1543h	Calc.		**2,000**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-003A
Client Sample ID: MW-05_12042013
Collection Date: 12/4/2013 1400h
Received Date: 12/9/2013 1000h

Test Code: 8260-W

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

Analyzed: 12/9/2013 1827h
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	**5.47**	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.9	50.00	110	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.8	50.00	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.6	50.00	103	80-124	
Surr: Toluene-d8	2037-26-5	51.9	50.00	104	77-129	

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web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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

Certificate of Analysis

Report Date: January 2, 2014

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

Client Sample ID:	MW-05_12042013	Project:	DNMI00100
Sample ID:	338950003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	04-DEC-13 14:00		
Receive Date:	10-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		1.64	+/-0.419	0.934	1.00	pCi/L		KDF1	12/21/13	1632	1352658	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"			96.3	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-001
Client Sample ID: MW-11_11192013
Collection Date: 11/19/2013 1130h
Received Date: 11/22/2013 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/22/2013 1210h	12/3/2013 1245h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/22/2013 1210h	12/3/2013 1459h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/22/2013 1210h	12/3/2013 1245h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/22/2013 1210h	12/2/2013 1447h	E200.7	5.00	**69.5**	
Chromium	mg/L	11/22/2013 1210h	12/3/2013 1245h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/22/2013 1210h	12/3/2013 1245h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/22/2013 1210h	12/3/2013 1245h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/22/2013 1210h	12/3/2013 1459h	E200.8	0.0300	**0.164**	
Lead	mg/L	11/22/2013 1210h	12/3/2013 1459h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/22/2013 1210h	12/2/2013 1447h	E200.7	5.00	**21.2**	
Manganese	mg/L	11/22/2013 1210h	12/3/2013 1245h	E200.8	0.0100	**0.152**	
Mercury	mg/L	11/25/2013 1630h	12/2/2013 0802h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/22/2013 1210h	12/3/2013 1245h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/22/2013 1210h	12/2/2013 0331h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/22/2013 1210h	12/2/2013 1447h	E200.7	5.00	**6.32**	
Selenium	mg/L	11/22/2013 1210h	12/3/2013 1245h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/22/2013 1210h	12/3/2013 1245h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/22/2013 1210h	12/2/2013 1132h	E200.7	50.0	**547**	2
Thallium	mg/L	11/22/2013 1210h	12/2/2013 2123h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/22/2013 1210h	12/3/2013 0055h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/22/2013 1210h	12/3/2013 1642h	E200.8	0.000300	**0.000903**	
Vanadium	mg/L	11/22/2013 1210h	12/3/2013 0903h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/22/2013 1210h	12/3/2013 1245h	E200.8	0.0100	< 0.0100	

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

American West ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, UT 84115
Phone: (801) 263-8686
Toll Free: (888) 263-8686
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-001
Client Sample ID: MW-11_11192013
Collection Date: 11/19/2013 1130h
Received Date: 11/22/2013 0930h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/26/2013 1400h	11/26/2013 2107h	E350.1	0.0500	**0.567**	
Bicarbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	**306**	
Carbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/27/2013 0201h	E300.0	5.00	**31.3**	
Fluoride	mg/L		11/27/2013 0651h	E300.0	0.100	**0.475**	
Ion Balance	%		12/4/2013 1326h	Calc.	-15.0	**0.624**	
Nitrate/Nitrite (as N)	mg/L		12/4/2013 1047h	E353.2	0.100	< 0.100	
Sulfate	mg/L		11/26/2013 1836h	E300.0	500	**1,050**	
Total Anions, Measured	meq/L		12/4/2013 1326h	Calc.		**28.8**	
Total Cations, Measured	meq/L		12/4/2013 1326h	Calc.		**29.2**	
Total Dissolved Solids	mg/L		11/22/2013 1310h	SM2540C	20.0	**1,980**	
Total Dissolved Solids Ratio, Measured/Calculated			12/4/2013 1326h	Calc.		**1.04**	
Total Dissolved Solids, Calculated	mg/L		12/4/2013 1326h	Calc.		**1,910**	

463 West 3600 South
Salt Lake City, UT 84115

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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
Toll Free: (888) 263-8686
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-001A
Client Sample ID: MW-11_11192013
Collection Date: 11/19/2013 1130h
Received Date: 11/22/2013 0930h

Test Code: 8260-W

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

Analyzed: 11/22/2013 1105h
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	1
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	59.4	50.00	119	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.2	50.00	102	80-128	
Surr: Dibromofluoromethane	1868-53-7	55.2	50.00	110	80-124	
Surr: Toluene-d8	2037-26-5	48.3	50.00	96.6	77-129	

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

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Certificate of Analysis

Report Date: December 11, 2013

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_11192013	Project:	DNMI00100
Sample ID:	338188001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	19-NOV-13 11:30		
Receive Date:	25-NOV-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.279	0.941	1.00	pCi/L		KDF1	12/04/13	1647	1349804	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

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

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-003
Client Sample ID: MW-12_12092013
Collection Date: 12/9/2013 1515h
Received Date: 12/13/2013 1310h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/16/2013 930h	12/18/2013 1451h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/16/2013 930h	12/18/2013 637h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/16/2013 930h	12/18/2013 522h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	12/16/2013 930h	12/19/2013 1647h	E200.7	50.0	**491**	
Chromium	mg/L	12/16/2013 930h	12/18/2013 522h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/16/2013 930h	12/18/2013 522h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/16/2013 930h	12/18/2013 522h	E200.8	0.0100	< 0.0100	
Iron	mg/L	12/16/2013 930h	12/18/2013 637h	E200.8	0.0300	**0.0332**	
Lead	mg/L	12/16/2013 930h	12/18/2013 637h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/16/2013 930h	12/19/2013 1647h	E200.7	50.0	**217**	
Manganese	mg/L	12/16/2013 930h	12/18/2013 522h	E200.8	0.0100	**0.0924**	
Mercury	mg/L	12/17/2013 1700h	12/18/2013 849h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/16/2013 930h	12/18/2013 522h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/16/2013 930h	12/18/2013 522h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/16/2013 930h	12/20/2013 1423h	E200.7	1.00	**13.9**	
Selenium	mg/L	12/16/2013 930h	12/18/2013 522h	E200.8	0.00500	**0.0217**	
Silver	mg/L	12/16/2013 930h	12/18/2013 522h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/16/2013 930h	12/20/2013 1321h	E200.7	50.0	**304**	
Thallium	mg/L	12/16/2013 930h	12/18/2013 1555h	E200.8	0.000500	< 0.000500	
Tin	mg/L	12/16/2013 930h	12/18/2013 1733h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/16/2013 930h	12/18/2013 735h	E200.8	0.000300	**0.0233**	
Vanadium	mg/L	12/16/2013 930h	12/19/2013 1736h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/16/2013 930h	12/18/2013 522h	E200.8	0.0100	< 0.0100	

American West ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, UT 84115
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-003
Client Sample ID: MW-12_12092013
Collection Date: 12/9/2013 1515h
Received Date: 12/13/2013 1310h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/18/2013 1335h	12/19/2013 1341h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		12/16/2013 714h	SM2320B	1.00	**340**	
Carbonate (as CaCO3)	mg/L		12/16/2013 714h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/14/2013 234h	E300.0	10.0	**64.0**	
Fluoride	mg/L		12/17/2013 056h	E300.0	0.100	**0.250**	
Ion Balance	%		12/23/2013 810h	Calc.	-15.0	**-0.222**	
Nitrate/Nitrite (as N)	mg/L		12/18/2013 1707h	E353.2	0.100	**0.163**	
Sulfate	mg/L		12/13/2013 2304h	E300.0	500	**2,290**	
Total Anions, Measured	meq/L		12/23/2013 810h	Calc.		**56.2**	
Total Cations, Measured	meq/L		12/23/2013 810h	Calc.		**55.9**	
Total Dissolved Solids	mg/L		12/13/2013 1500h	SM2540C	20.0	**4,060**	
Total Dissolved Solids Ratio, Measured/Calculated			12/23/2013 810h	Calc.		**1.13**	
Total Dissolved Solids, Calculated	mg/L		12/23/2013 810h	Calc.		**3,580**	

American West ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, UT 84115
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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-003A
Client Sample ID: MW-12_12092013
Collection Date: 12/9/2013 1515h
Received Date: 12/13/2013 1310h
Test Code: 8260-W

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

Analyzed: 12/13/2013 2025h
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	**3.54**	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.7	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.3	50.00	107	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.4	50.00	98.8	80-124	
Surr: Toluene-d8	2037-26-5	51.3	50.00	103	77-129	

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Certificate of Analysis

Report Date: January 2, 2014

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

Client Sample ID:	MW-12_12092013	Project:	DNMI00100
Sample ID:	339269003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	09-DEC-13 15:15		
Receive Date:	13-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.265	0.942	1.00	pCi/L		KDF1	12/21/13	1633	1352658	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.

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-002
Client Sample ID: MW-14_11202013
Collection Date: 11/20/2013 0915h
Received Date: 11/22/2013 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/22/2013 1210h	12/3/2013 1300h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/22/2013 1210h	12/3/2013 1505h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/22/2013 1210h	12/3/2013 1300h	E200.8	0.000500	**0.00116**	
Calcium	mg/L	11/22/2013 1210h	12/2/2013 1148h	E200.7	50.0	**473**	
Chromium	mg/L	11/22/2013 1210h	12/3/2013 1300h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/22/2013 1210h	12/3/2013 1300h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/22/2013 1210h	12/3/2013 1300h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/22/2013 1210h	12/3/2013 1505h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/22/2013 1210h	12/3/2013 1505h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/22/2013 1210h	12/2/2013 1148h	E200.7	50.0	**139**	
Manganese	mg/L	11/22/2013 1210h	12/3/2013 1300h	E200.8	0.0100	**1.96**	
Mercury	mg/L	11/25/2013 1630h	12/2/2013 0808h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/22/2013 1210h	12/3/2013 1300h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/22/2013 1210h	12/3/2013 1300h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/22/2013 1210h	12/2/2013 1459h	E200.7	1.00	**11.8**	
Selenium	mg/L	11/22/2013 1210h	12/3/2013 1300h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/22/2013 1210h	12/3/2013 1300h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/22/2013 1210h	12/2/2013 1148h	E200.7	50.0	**318**	
Thallium	mg/L	11/22/2013 1210h	12/4/2013 1020h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/22/2013 1210h	12/3/2013 2233h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/22/2013 1210h	12/3/2013 1647h	E200.8	0.000300	**0.0630**	
Vanadium	mg/L	11/22/2013 1210h	12/2/2013 1459h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/22/2013 1210h	12/3/2013 1300h	E200.8	0.0100	**0.0115**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-002
Client Sample ID: MW-14_11202013
Collection Date: 11/20/2013 0915h
Received Date: 11/22/2013 0930h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/26/2013 1400h	11/26/2013 2111h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	**376**	
Carbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/27/2013 0223h	E300.0	5.00	**18.2**	
Fluoride	mg/L		11/27/2013 0713h	E300.0	0.100	**0.148**	
Ion Balance	%		12/4/2013 1326h	Calc.	-15.0	**-2.20**	
Nitrate/Nitrite (as N)	mg/L		12/4/2013 1023h	E353.2	0.100	< 0.100	
Sulfate	mg/L		11/26/2013 1943h	E300.0	500	**2,080**	
Total Anions, Measured	meq/L		12/4/2013 1326h	Calc.		**51.4**	
Total Cations, Measured	meq/L		12/4/2013 1326h	Calc.		**49.2**	
Total Dissolved Solids	mg/L		11/22/2013 1310h	SM2540C	20.0	**3,710**	
Total Dissolved Solids Ratio, Measured/Calculated			12/4/2013 1326h	Calc.		**1.13**	
Total Dissolved Solids, Calculated	mg/L		12/4/2013 1326h	Calc.		**3,270**	

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Salt Lake City, UT 84115

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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-002A
Client Sample ID: MW-14_11202013
Collection Date: 11/20/2013 0915h
Received Date: 11/22/2013 0930h

Test Code: 8260-W

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

Analyzed: 11/22/2013 1124h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	60.7	50.00	121	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.5	50.00	99.0	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.8	50.00	110	80-124	
Surr: Toluene-d8	2037-26-5	47.6	50.00	95.2	77-129	

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

Certificate of Analysis

Report Date: December 11, 2013

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_11202013	Project:	DNMI00100
Sample ID:	338188002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	20-NOV-13 09:15		
Receive Date:	25-NOV-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.288	0.936	1.00	pCi/L		KDF1	12/04/13	1645	1349804	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.

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-003
Client Sample ID: MW-15_11202013
Collection Date: 11/20/2013 1240h
Received Date: 11/22/2013 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/22/2013 1210h	12/3/2013 1306h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/22/2013 1210h	12/3/2013 1510h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/22/2013 1210h	12/3/2013 1306h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/22/2013 1210h	12/2/2013 1151h	E200.7	50.0	**415**	
Chromium	mg/L	11/22/2013 1210h	12/3/2013 1306h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/22/2013 1210h	12/3/2013 1306h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/22/2013 1210h	12/3/2013 1306h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/22/2013 1210h	12/3/2013 1510h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/22/2013 1210h	12/3/2013 1510h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/22/2013 1210h	12/2/2013 1151h	E200.7	50.0	**150**	
Manganese	mg/L	11/22/2013 1210h	12/3/2013 1306h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	11/25/2013 1630h	12/2/2013 0810h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/22/2013 1210h	12/3/2013 1306h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/22/2013 1210h	12/3/2013 1306h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/22/2013 1210h	12/2/2013 1503h	E200.7	1.00	**10.5**	
Selenium	mg/L	11/22/2013 1210h	12/3/2013 1306h	E200.8	0.00500	**0.106**	
Silver	mg/L	11/22/2013 1210h	12/3/2013 1306h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/22/2013 1210h	12/2/2013 1151h	E200.7	50.0	**456**	
Thallium	mg/L	11/22/2013 1210h	12/2/2013 2203h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/22/2013 1210h	12/3/2013 2236h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/22/2013 1210h	12/3/2013 1652h	E200.8	0.000300	**0.0543**	
Vanadium	mg/L	11/22/2013 1210h	12/2/2013 1503h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/22/2013 1210h	12/3/2013 1306h	E200.8	0.0100	< 0.0100	

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-003
Client Sample ID: MW-15_11202013
Collection Date: 11/20/2013 1240h
Received Date: 11/22/2013 0930h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/26/2013 1400h	11/26/2013 2112h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	**380**	
Carbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/27/2013 0246h	E300.0	5.00	**36.9**	
Fluoride	mg/L		11/27/2013 0735h	E300.0	0.100	**0.215**	
Ion Balance	%		12/4/2013 1326h	Calc.	-15.0	**-2.28**	
Nitrate/Nitrite (as N)	mg/L		12/4/2013 1027h	E353.2	0.100	**0.179**	
Sulfate	mg/L		11/26/2013 2112h	E300.0	500	**2,260**	
Total Anions, Measured	meq/L		12/4/2013 1326h	Calc.		**55.6**	
Total Cations, Measured	meq/L		12/4/2013 1326h	Calc.		**53.2**	
Total Dissolved Solids	mg/L		11/22/2013 1310h	SM2540C	20.0	**3,560**	
Total Dissolved Solids Ratio, Measured/Calculated			12/4/2013 1326h	Calc.		**1.00**	
Total Dissolved Solids, Calculated	mg/L		12/4/2013 1326h	Calc.		**3,550**	

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Salt Lake City, UT 84115

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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-003A
Client Sample ID: MW-15_11202013
Collection Date: 11/20/2013 1240h
Received Date: 11/22/2013 0930h
Test Code: 8260-W

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

Analyzed: 11/22/2013 1144h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	60.8	50.00	122	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.0	50.00	100	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.6	50.00	109	80-124	
Surr: Toluene-d8	2037-26-5	47.2	50.00	94.3	77-129	

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

Certificate of Analysis

Report Date: December 11, 2013

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

Client Sample ID:	MW-15_11202013	Project:	DNMI00100
Sample ID:	338188003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	20-NOV-13 12:40		
Receive Date:	25-NOV-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.252	0.941	1.00	pCi/L		KDF1	12/04/13	1646	1349804	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"			96.3	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-004
Client Sample ID: MW-17_12092013
Collection Date: 12/9/2013 1230h
Received Date: 12/13/2013 1310h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/16/2013 930h	12/18/2013 1457h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/16/2013 930h	12/18/2013 642h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/16/2013 930h	12/18/2013 528h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	12/16/2013 930h	12/19/2013 1651h	E200.7	50.0	**286**	
Chromium	mg/L	12/16/2013 930h	12/18/2013 528h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/16/2013 930h	12/18/2013 528h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/16/2013 930h	12/18/2013 528h	E200.8	0.0100	< 0.0100	
Iron	mg/L	12/16/2013 930h	12/18/2013 642h	E200.8	0.0300	< 0.0300	
Lead	mg/L	12/16/2013 930h	12/18/2013 642h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/16/2013 930h	12/19/2013 1651h	E200.7	50.0	**151**	
Manganese	mg/L	12/16/2013 930h	12/18/2013 528h	E200.8	0.0100	**0.0628**	
Mercury	mg/L	12/17/2013 1700h	12/18/2013 851h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/16/2013 930h	12/18/2013 528h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/16/2013 930h	12/18/2013 528h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/16/2013 930h	12/20/2013 1427h	E200.7	1.00	**11.2**	
Selenium	mg/L	12/16/2013 930h	12/18/2013 528h	E200.8	0.00500	**0.0132**	
Silver	mg/L	12/16/2013 930h	12/18/2013 528h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/16/2013 930h	12/20/2013 1325h	E200.7	50.0	**465**	
Thallium	mg/L	12/16/2013 930h	12/18/2013 1602h	E200.8	0.000500	< 0.000500	
Tin	mg/L	12/16/2013 930h	12/18/2013 1740h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/16/2013 930h	12/18/2013 740h	E200.8	0.000300	**0.0241**	
Vanadium	mg/L	12/16/2013 930h	12/19/2013 1740h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/16/2013 930h	12/18/2013 528h	E200.8	0.0100	< 0.0100	

American West ANALYTICAL LABORATORIES
463 West 3600 South
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-004
Client Sample ID: MW-17_12092013
Collection Date: 12/9/2013 1230h
Received Date: 12/13/2013 1310h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/18/2013 1335h	12/19/2013 1342h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		12/16/2013 714h	SM2320B	1.00	**344**	
Carbonate (as CaCO3)	mg/L		12/16/2013 714h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/14/2013 257h	E300.0	5.00	**36.4**	
Fluoride	mg/L		12/17/2013 120h	E300.0	0.100	**0.272**	
Ion Balance	%		12/23/2013 810h	Calc.	-15.0	**2.31**	
Nitrate/Nitrite (as N)	mg/L		12/18/2013 1709h	E353.2	0.100	**1.53**	
Sulfate	mg/L		12/13/2013 2328h	E300.0	500	**1,790**	
Total Anions, Measured	meq/L		12/23/2013 810h	Calc.		**45.1**	
Total Cations, Measured	meq/L		12/23/2013 810h	Calc.		**47.2**	
Total Dissolved Solids	mg/L		12/13/2013 1500h	SM2540C	20.0	**3,370**	
Total Dissolved Solids Ratio, Measured/Calculated			12/23/2013 810h	Calc.		**1.15**	
Total Dissolved Solids, Calculated	mg/L		12/23/2013 810h	Calc.		**2,940**	

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-004A
Client Sample ID: MW-17_12092013
Collection Date: 12/9/2013 1230h
Received Date: 12/13/2013 1310h
Test Code: 8260-W

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

Analyzed: 12/13/2013 2044h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.2	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.6	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.8	50.00	97.6	80-124	
Surr: Toluene-d8	2037-26-5	51.0	50.00	102	77-129	

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

Certificate of Analysis

Report Date: January 2, 2014

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

Client Sample ID:	MW-17_12092013	Project:	DNMI00100
Sample ID:	339269004	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	09-DEC-13 12:30		
Receive Date:	13-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		1.52	+/-0.406	0.935	1.00	pCi/L		KDF1	12/21/13	1637	1352658	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			95.6	(25%-125%)

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

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

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-004
Client Sample ID: MW-18_12032013
Collection Date: 12/3/2013 1400h
Received Date: 12/9/2013 1000h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/10/2013 955h	12/15/2013 1822h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/10/2013 955h	12/15/2013 1921h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/10/2013 955h	12/15/2013 1822h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	12/10/2013 955h	12/16/2013 1312h	E200.7	50.0	**524**	
Chromium	mg/L	12/10/2013 955h	12/15/2013 1822h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/10/2013 955h	12/15/2013 1822h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/10/2013 955h	12/15/2013 1822h	E200.8	0.0100	< 0.0100	
Iron	mg/L	12/10/2013 955h	12/15/2013 1921h	E200.8	0.0300	**0.0334**	
Lead	mg/L	12/10/2013 955h	12/15/2013 1921h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/10/2013 955h	12/16/2013 1149h	E200.7	5.00	**115**	
Manganese	mg/L	12/10/2013 955h	12/15/2013 1822h	E200.8	0.0100	**0.0686**	
Mercury	mg/L	12/10/2013 1230h	12/12/2013 929h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/10/2013 955h	12/15/2013 1822h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/10/2013 955h	12/15/2013 1822h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/10/2013 955h	12/16/2013 1432h	E200.7	1.00	**8.88**	
Selenium	mg/L	12/10/2013 955h	12/15/2013 1822h	E200.8	0.00500	< 0.00500	
Silver	mg/L	12/10/2013 955h	12/15/2013 1822h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/10/2013 955h	12/16/2013 1312h	E200.7	50.0	**171**	
Thallium	mg/L	12/10/2013 955h	12/11/2013 2037h	E200.8	0.000500	**0.00306**	
Tin	mg/L	12/10/2013 955h	12/11/2013 2256h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/10/2013 955h	12/15/2013 2019h	E200.8	0.000300	**0.0357**	
Vanadium	mg/L	12/10/2013 955h	12/16/2013 1432h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/10/2013 955h	12/15/2013 1822h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-004
Client Sample ID: MW-18_12032013
Collection Date: 12/3/2013 1400h
Received Date: 12/9/2013 1000h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/12/2013 1230h	12/16/2013 2202h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		12/12/2013 1114h	SM2320B	1.00	**380**	
Carbonate (as CaCO3)	mg/L		12/12/2013 1114h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/10/2013 259h	E300.0	10.0	**50.7**	
Fluoride	mg/L		12/10/2013 704h	E300.0	0.100	**0.235**	
Ion Balance	%		12/16/2013 1543h	Calc.	-15.0	**-7.92**	
Nitrate/Nitrite (as N)	mg/L		12/10/2013 1834h	E353.2	0.100	< 0.100	
Sulfate	mg/L		12/9/2013 2009h	E300.0	500	**2,000**	
Total Anions, Measured	meq/L		12/16/2013 1543h	Calc.		**50.8**	
Total Cations, Measured	meq/L		12/16/2013 1543h	Calc.		**43.3**	
Total Dissolved Solids	mg/L		12/10/2013 1115h	SM2540C	20.0	**3,240**	
Total Dissolved Solids Ratio, Measured/Calculated			12/16/2013 1543h	Calc.		**1.04**	
Total Dissolved Solids, Calculated	mg/L		12/16/2013 1543h	Calc.		**3,100**	

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Laboratory Director

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QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-004A
Client Sample ID: MW-18_12032013
Collection Date: 12/3/2013 1400h
Received Date: 12/9/2013 1000h
Test Code: 8260-W

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

Analyzed: 12/9/2013 1846h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.7	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	54.6	50.00	109	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.1	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	51.8	50.00	104	77-129	

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

Certificate of Analysis

Report Date: January 2, 2014

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

Client Sample ID:	MW-18_12032013	Project:	DNMI00100
Sample ID:	338950004	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	03-DEC-13 14:00		
Receive Date:	10-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.300	0.973	1.00	pCi/L		KDF1	12/21/13	1632	1352658	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			97.8	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-005
Client Sample ID: MW-19_12032013
Collection Date: 12/3/2013 1530h
Received Date: 12/9/2013 1000h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/10/2013 955h	12/15/2013 1828h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/10/2013 955h	12/15/2013 1926h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/10/2013 955h	12/15/2013 1828h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	12/10/2013 955h	12/16/2013 1316h	E200.7	50.0	**150**	
Chromium	mg/L	12/10/2013 955h	12/15/2013 1828h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/10/2013 955h	12/15/2013 1828h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/10/2013 955h	12/15/2013 1828h	E200.8	0.0100	< 0.0100	
Iron	mg/L	12/10/2013 955h	12/15/2013 1926h	E200.8	0.0300	< 0.0300	
Lead	mg/L	12/10/2013 955h	12/15/2013 1926h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/10/2013 955h	12/16/2013 1153h	E200.7	5.00	**55.9**	
Manganese	mg/L	12/10/2013 955h	12/15/2013 1828h	E200.8	0.0100	**0.0201**	
Mercury	mg/L	12/10/2013 1230h	12/12/2013 931h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/10/2013 955h	12/15/2013 1828h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/10/2013 955h	12/15/2013 1828h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/10/2013 955h	12/16/2013 1436h	E200.7	1.00	**4.70**	
Selenium	mg/L	12/10/2013 955h	12/15/2013 1828h	E200.8	0.00500	**0.0171**	
Silver	mg/L	12/10/2013 955h	12/15/2013 1828h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/10/2013 955h	12/16/2013 1316h	E200.7	50.0	**106**	
Thallium	mg/L	12/10/2013 955h	12/11/2013 2047h	E200.8	0.000500	< 0.000500	
Tin	mg/L	12/10/2013 955h	12/11/2013 2306h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/10/2013 955h	12/15/2013 2024h	E200.8	0.000300	**0.00544**	
Vanadium	mg/L	12/10/2013 955h	12/16/2013 1436h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/10/2013 955h	12/15/2013 1828h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-005
Client Sample ID: MW-19_12032013
Collection Date: 12/3/2013 1530h
Received Date: 12/9/2013 1000h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/12/2013 1230h	12/16/2013 2203h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		12/12/2013 1114h	SM2320B	1.00	**186**	
Carbonate (as CaCO3)	mg/L		12/12/2013 1114h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/10/2013 326h	E300.0	5.00	**31.9**	
Fluoride	mg/L		12/10/2013 732h	E300.0	0.100	**0.986**	
Ion Balance	%		12/16/2013 1543h	Calc.	-15.0	**-6.69**	
Nitrate/Nitrite (as N)	mg/L		12/10/2013 1836h	E353.2	1.00	**3.70**	
Sulfate	mg/L		12/9/2013 2037h	E300.0	100	**700**	
Total Anions, Measured	meq/L		12/16/2013 1543h	Calc.		**19.3**	
Total Cations, Measured	meq/L		12/16/2013 1543h	Calc.		**16.8**	
Total Dissolved Solids	mg/L		12/10/2013 1115h	SM2540C	20.0	**1,220**	
Total Dissolved Solids Ratio, Measured/Calculated			12/16/2013 1543h	Calc.		**1.04**	
Total Dissolved Solids, Calculated	mg/L		12/16/2013 1543h	Calc.		**1,160**	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-005A
Client Sample ID: MW-19_12032013
Collection Date: 12/3/2013 1530h
Received Date: 12/9/2013 1000h
Test Code: 8260-W

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

Analyzed: 12/9/2013 1904h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.5	50.00	105	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.5	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.7	50.00	99.4	80-124	
Surr: Toluene-d8	2037-26-5	50.9	50.00	102	77-129	

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Certificate of Analysis

Report Date: January 2, 2014

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

Client Sample ID:	MW-19_12032013	Project:	DNMI00100
Sample ID:	338950005	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	03-DEC-13 15:30		
Receive Date:	10-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.303	0.983	1.00	pCi/L		KDF1	12/21/13	1632	1352658	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

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

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312464-001
Client Sample ID: MW-20_12182013
Collection Date: 12/18/2013 840h
Received Date: 12/23/2013 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/23/2013 1405h	12/31/2013 1716h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/23/2013 1405h	12/31/2013 437h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/23/2013 1405h	12/31/2013 235h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	12/23/2013 1405h	12/31/2013 1039h	E200.7	50.0	**339**	2
Chromium	mg/L	12/23/2013 1405h	12/31/2013 235h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/23/2013 1405h	12/31/2013 235h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/23/2013 1405h	12/31/2013 235h	E200.8	0.0100	< 0.0100	
Iron	mg/L	1/6/2014 1300h	1/6/2014 2004h	E200.8	0.0300	**0.135**	
Lead	mg/L	12/23/2013 1405h	12/31/2013 437h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/23/2013 1405h	1/3/2014 1143h	E200.7	5.00	**14.2**	
Manganese	mg/L	1/3/2014 1030h	1/3/2014 1510h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	12/23/2013 1400h	12/24/2013 1056h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/23/2013 1405h	12/31/2013 235h	E200.8	0.0100	**0.0221**	
Nickel	mg/L	12/23/2013 1405h	12/31/2013 235h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/23/2013 1405h	1/3/2014 1143h	E200.7	5.00	**24.3**	
Selenium	mg/L	12/23/2013 1405h	12/31/2013 235h	E200.8	0.00500	< 0.00500	
Silver	mg/L	12/23/2013 1405h	12/31/2013 235h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/23/2013 1405h	12/31/2013 1039h	E200.7	50.0	**1,140**	2
Thallium	mg/L	12/23/2013 1405h	12/30/2013 1618h	E200.8	0.000500	< 0.000500	
Tin	mg/L	12/23/2013 1405h	12/30/2013 1718h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/23/2013 1405h	12/31/2013 514h	E200.8	0.000300	**0.00164**	
Vanadium	mg/L	12/23/2013 1405h	1/3/2014 1407h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/23/2013 1405h	12/31/2013 1716h	E200.8	0.0100	< 0.0100	

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

American West ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, UT 84115
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312464-001
Client Sample ID: MW-20_12182013
Collection Date: 12/18/2013 840h
Received Date: 12/23/2013 1250h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/26/2013 1100h	12/27/2013 1301h	E350.1	0.0500	**0.157**	
Bicarbonate (as CaCO3)	mg/L		12/24/2013 730h	SM2320B	1.00	**37.6**	
Carbonate (as CaCO3)	mg/L		12/24/2013 730h	SM2320B	1.00	**3.60**	
Chloride	mg/L		12/28/2013 753h	E300.0	10.0	**64.3**	
Fluoride	mg/L		12/28/2013 1205h	E300.0	0.100	**0.283**	
Ion Balance	%		1/3/2014 1453h	Calc.	-15.0	**-0.0438**	
Nitrate/Nitrite (as N)	mg/L		12/27/2013 1743h	E353.2	1.00	**16.2**	
Sulfate	mg/L		12/27/2013 2302h	E300.0	500	**3,140**	
Total Anions, Measured	meq/L		1/3/2014 1453h	Calc.		**68.3**	
Total Cations, Measured	meq/L		1/3/2014 1453h	Calc.		**68.2**	
Total Dissolved Solids	mg/L		12/23/2013 1315h	SM2540C	20.0	**5,150**	
Total Dissolved Solids Ratio, Measured/Calculated			1/3/2014 1453h	Calc.		**1.08**	
Total Dissolved Solids, Calculated	mg/L		1/3/2014 1453h	Calc.		**4,760**	

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Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312464-001A
Client Sample ID: MW-20_12182013
Collection Date: 12/18/2013 840h
Received Date: 12/23/2013 1250h
Test Code: 8260-W

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

Analyzed: 12/23/2013 1452h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.1	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.6	50.00	101	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.0	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	48.8	50.00	97.7	77-129	

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

Certificate of Analysis

Report Date: January 14, 2014

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

Client Sample ID:	MW-20_12182013	Project:	DNMI00100
Sample ID:	339762003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	18-DEC-13 08:40		
Receive Date:	20-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.144	0.515	1.00	pCi/L		KDF1	01/14/14	1319	1355876	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

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

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

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

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-005
Client Sample ID: MW-22_12102013
Collection Date: 12/10/2013 1200h
Received Date: 12/13/2013 1310h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/16/2013 930h	12/18/2013 1502h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/16/2013 930h	12/18/2013 647h	E200.8	0.000500	**0.0111**	
Cadmium	mg/L	12/16/2013 930h	12/18/2013 549h	E200.8	0.000500	**0.126**	
Calcium	mg/L	12/16/2013 930h	12/19/2013 1708h	E200.7	50.0	**363**	
Chromium	mg/L	12/16/2013 930h	12/18/2013 549h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/16/2013 930h	12/18/2013 549h	E200.8	0.0100	**0.380**	
Copper	mg/L	12/16/2013 930h	12/18/2013 549h	E200.8	0.0100	**0.0427**	
Iron	mg/L	12/16/2013 930h	12/18/2013 647h	E200.8	0.0300	**0.133**	
Lead	mg/L	12/16/2013 930h	12/18/2013 647h	E200.8	0.00100	**0.00509**	
Magnesium	mg/L	12/16/2013 930h	12/19/2013 1708h	E200.7	50.0	**910**	
Manganese	mg/L	12/16/2013 930h	12/18/2013 1550h	E200.8	0.0500	**41.4**	
Mercury	mg/L	12/17/2013 1700h	12/18/2013 856h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/16/2013 930h	12/18/2013 549h	E200.8	0.0100	**0.180**	
Nickel	mg/L	12/16/2013 930h	12/18/2013 549h	E200.8	0.0200	**0.221**	
Potassium	mg/L	12/16/2013 930h	12/20/2013 1431h	E200.7	5.00	**19.3**	
Selenium	mg/L	12/16/2013 930h	12/18/2013 549h	E200.8	0.00500	**0.0106**	
Silver	mg/L	12/16/2013 930h	12/18/2013 549h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/16/2013 930h	12/20/2013 1329h	E200.7	50.0	**242**	
Thallium	mg/L	12/16/2013 930h	12/18/2013 1609h	E200.8	0.000500	**0.00119**	
Tin	mg/L	12/16/2013 930h	12/18/2013 1747h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/16/2013 930h	12/18/2013 745h	E200.8	0.000300	**0.0233**	
Vanadium	mg/L	12/16/2013 930h	12/19/2013 1744h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/16/2013 930h	12/18/2013 549h	E200.8	0.0100	**0.934**	

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ANALYTICAL LABORATORIES

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-005
Client Sample ID: MW-22_12102013
Collection Date: 12/10/2013 1200h
Received Date: 12/13/2013 1310h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/18/2013 1335h	12/19/2013 1343h	E350.1	0.0500	**0.538**	
Bicarbonate (as CaCO3)	mg/L		12/16/2013 714h	SM2320B	1.00	**35.8**	
Carbonate (as CaCO3)	mg/L		12/16/2013 714h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/14/2013 320h	E300.0	10.0	**51.8**	
Fluoride	mg/L		12/17/2013 143h	E300.0	0.100	**9.20**	
Ion Balance	%		12/23/2013 810h	Calc.	-15.0	**-6.68**	
Nitrate/Nitrite (as N)	mg/L		12/18/2013 1710h	E353.2	1.00	**2.55**	
Sulfate	mg/L		12/13/2013 2351h	E300.0	1,000	**5,600**	
Total Anions, Measured	meq/L		12/23/2013 810h	Calc.		**119**	
Total Cations, Measured	meq/L		12/23/2013 810h	Calc.		**104**	
Total Dissolved Solids	mg/L		12/13/2013 1500h	SM2540C	100	**7,480**	
Total Dissolved Solids Ratio, Measured/Calculated			12/23/2013 810h	Calc.		**1.04**	
Total Dissolved Solids, Calculated	mg/L		12/23/2013 810h	Calc.		**7,210**	

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

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-005A
Client Sample ID: MW-22_12102013
Collection Date: 12/10/2013 1200h
Received Date: 12/13/2013 1310h
Test Code: 8260-W

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

Analyzed: 12/13/2013 2102h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.4	50.00	111	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.5	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.6	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	50.0	50.00	100	77-129	

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

Certificate of Analysis

Report Date: January 2, 2014

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

Client Sample ID:	MW-22_12102013	Project:	DNMI00100
Sample ID:	339269005	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	10-DEC-13 12:00		
Receive Date:	13-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		7.45	+/-0.642	0.950	1.00	pCi/L		KDF1	12/21/13	1633	1352658	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.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312464-002
Client Sample ID: MW-23_12182013
Collection Date: 12/18/2013 1245h
Received Date: 12/23/2013 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/23/2013 1405h	12/31/2013 1731h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/23/2013 1405h	12/31/2013 443h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/23/2013 1405h	12/31/2013 301h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	12/23/2013 1405h	12/31/2013 1055h	E200.7	50.0	**471**	
Chromium	mg/L	12/23/2013 1405h	12/31/2013 301h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/23/2013 1405h	12/31/2013 301h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/23/2013 1405h	12/31/2013 301h	E200.8	0.0100	< 0.0100	
Iron	mg/L	1/6/2014 1300h	1/6/2014 2009h	E200.8	0.0300	**0.124**	
Lead	mg/L	12/23/2013 1405h	12/31/2013 443h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/23/2013 1405h	12/31/2013 1055h	E200.7	50.0	**159**	
Manganese	mg/L	1/3/2014 1030h	1/3/2014 1823h	E200.8	0.0100	**0.0192**	
Mercury	mg/L	12/23/2013 1400h	12/24/2013 1102h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/23/2013 1405h	12/31/2013 301h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/23/2013 1405h	12/31/2013 301h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/23/2013 1405h	1/3/2014 1155h	E200.7	5.00	**9.90**	
Selenium	mg/L	12/23/2013 1405h	12/31/2013 301h	E200.8	0.00500	< 0.00500	
Silver	mg/L	12/23/2013 1405h	12/31/2013 301h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/23/2013 1405h	12/31/2013 1055h	E200.7	50.0	**389**	
Thallium	mg/L	12/23/2013 1405h	12/30/2013 1628h	E200.8	0.000500	< 0.000500	
Tin	mg/L	12/23/2013 1405h	12/30/2013 1818h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/23/2013 1405h	12/31/2013 520h	E200.8	0.000300	**0.0105**	
Vanadium	mg/L	12/23/2013 1405h	1/3/2014 1419h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/23/2013 1405h	12/31/2013 1731h	E200.8	0.0100	**0.0136**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312464-002
Client Sample ID: MW-23_12182013
Collection Date: 12/18/2013 1245h
Received Date: 12/23/2013 1250h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/26/2013 1100h	12/27/2013 1305h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		12/24/2013 730h	SM2320B	1.00	**252**	
Carbonate (as CaCO3)	mg/L		12/24/2013 730h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/28/2013 1230h	E300.0	1.00	**7.57**	
Fluoride	mg/L		12/28/2013 1230h	E300.0	0.100	**0.205**	
Ion Balance	%		1/3/2014 1453h	Calc.	-15.0	**-1.18**	
Nitrate/Nitrite (as N)	mg/L		12/27/2013 1744h	E353.2	0.100	**0.230**	
Sulfate	mg/L		12/28/2013 109h	E300.0	500	**2,390**	
Total Anions, Measured	meq/L		1/3/2014 1453h	Calc.		**55.0**	
Total Cations, Measured	meq/L		1/3/2014 1453h	Calc.		**53.7**	
Total Dissolved Solids	mg/L		12/23/2013 1315h	SM2540C	20.0	**3,500**	
Total Dissolved Solids Ratio, Measured/Calculated			1/3/2014 1453h	Calc.		**0.978**	
Total Dissolved Solids, Calculated	mg/L		1/3/2014 1453h	Calc.		**3,580**	

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

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312464-002A
Client Sample ID: MW-23_12182013
Collection Date: 12/18/2013 1245h
Received Date: 12/23/2013 1250h

Test Code: 8260-W

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

Analyzed: 12/23/2013 1530h
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	50.3	50.00	101	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.7	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	48.9	50.00	97.8	77-129	

American West ANALYTICAL LABORATORIES
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Salt Lake City, UT 84115
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GEL LABORATORIES LLC
2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Report Date: January 14, 2014

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

Client Sample ID:	MW-23_12182013	Project:	DNMI00100
Sample ID:	339762001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	18-DEC-13 12:45		
Receive Date:	20-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		1.23	+/-0.282	0.589	1.00	pCi/L		KDF1	01/14/14	1319	1355876	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"			87.5	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-006
Client Sample ID: MW-24_12122013
Collection Date: 12/12/2013 800h
Received Date: 12/13/2013 1310h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/16/2013 930h	12/18/2013 1507h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/16/2013 930h	12/18/2013 652h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/16/2013 930h	12/18/2013 554h	E200.8	0.000500	**0.00115**	
Calcium	mg/L	12/16/2013 930h	12/19/2013 1712h	E200.7	50.0	**455**	
Chromium	mg/L	12/16/2013 930h	12/18/2013 554h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/16/2013 930h	12/18/2013 554h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/16/2013 930h	12/18/2013 554h	E200.8	0.0100	< 0.0100	
Iron	mg/L	12/16/2013 930h	12/18/2013 554h	E200.8	0.100	**1.18**	
Lead	mg/L	12/16/2013 930h	12/18/2013 652h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/16/2013 930h	12/19/2013 1712h	E200.7	50.0	**169**	
Manganese	mg/L	12/16/2013 930h	12/18/2013 1555h	E200.8	0.00500	**2.69**	
Mercury	mg/L	12/17/2013 1700h	12/18/2013 858h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/16/2013 930h	12/18/2013 554h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/16/2013 930h	12/18/2013 554h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/16/2013 930h	12/20/2013 1435h	E200.7	1.00	**13.8**	
Selenium	mg/L	12/16/2013 930h	12/18/2013 554h	E200.8	0.00500	< 0.00500	
Silver	mg/L	12/16/2013 930h	12/18/2013 554h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/16/2013 930h	12/20/2013 1333h	E200.7	50.0	**508**	
Thallium	mg/L	12/16/2013 930h	12/18/2013 1616h	E200.8	0.000500	**0.000707**	
Tin	mg/L	12/16/2013 930h	12/18/2013 1754h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/16/2013 930h	12/18/2013 751h	E200.8	0.000300	**0.00668**	
Vanadium	mg/L	12/16/2013 930h	12/19/2013 1800h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/16/2013 930h	12/18/2013 554h	E200.8	0.0100	**0.0255**	

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-006
Client Sample ID: MW-24_12122013
Collection Date: 12/12/2013 800h
Received Date: 12/13/2013 1310h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/18/2013 1335h	12/19/2013 1345h	E350.1	0.0500	**0.194**	
Bicarbonate (as CaCO3)	mg/L		12/16/2013 714h	SM2320B	1.00	**204**	
Carbonate (as CaCO3)	mg/L		12/16/2013 714h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/14/2013 344h	E300.0	10.0	**46.0**	
Fluoride	mg/L		12/17/2013 206h	E300.0	0.100	**0.310**	
Ion Balance	%		12/23/2013 810h	Calc.	-15.0	**1.62**	
Nitrate/Nitrite (as N)	mg/L		12/18/2013 1714h	E353.2	0.100	**0.235**	
Sulfate	mg/L		12/14/2013 014h	E300.0	500	**2,490**	
Total Anions, Measured	meq/L		12/23/2013 810h	Calc.		**57.2**	
Total Cations, Measured	meq/L		12/23/2013 810h	Calc.		**59.0**	
Total Dissolved Solids	mg/L		12/13/2013 1500h	SM2540C	20.0	**4,030**	
Total Dissolved Solids Ratio, Measured/Calculated			12/23/2013 810h	Calc.		**1.06**	
Total Dissolved Solids, Calculated	mg/L		12/23/2013 810h	Calc.		**3,800**	

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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-006A
Client Sample ID: MW-24_12122013
Collection Date: 12/12/2013 800h
Received Date: 12/13/2013 1310h

Test Code: 8260-W

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

Analyzed: 12/13/2013 2121h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.8	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.9	50.00	99.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	48.6	50.00	97.2	80-124	
Surr: Toluene-d8	2037-26-5	48.8	50.00	97.6	77-129	

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

Certificate of Analysis

Report Date: January 2, 2014

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

Client Sample ID:	MW-24_12122013	Project:	DNMI00100
Sample ID:	339269006	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	12-DEC-13 08:00		
Receive Date:	13-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		2.01	+/-0.433	0.944	1.00	pCi/L		KDF1	12/21/13	1637	1352658	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"			96.3	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-004
Client Sample ID: MW-25_11192013
Collection Date: 11/19/2013 1115h
Received Date: 11/22/2013 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/22/2013 1210h	12/3/2013 1311h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/22/2013 1210h	12/3/2013 1515h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/22/2013 1210h	12/3/2013 1311h	E200.8	0.000500	**0.00135**	
Calcium	mg/L	11/22/2013 1210h	12/2/2013 1155h	E200.7	50.0	**324**	
Chromium	mg/L	11/22/2013 1210h	12/3/2013 1311h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/22/2013 1210h	12/3/2013 1311h	E200.8	0.0100	**0.0100**	
Copper	mg/L	11/22/2013 1210h	12/3/2013 1311h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/22/2013 1210h	12/3/2013 1515h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/22/2013 1210h	12/3/2013 1515h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/22/2013 1210h	12/2/2013 1155h	E200.7	50.0	**110**	
Manganese	mg/L	11/22/2013 1210h	12/3/2013 1311h	E200.8	0.0100	**1.57**	
Mercury	mg/L	11/25/2013 1630h	12/2/2013 0811h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/22/2013 1210h	12/3/2013 1311h	E200.8	0.0100	**0.0121**	
Nickel	mg/L	11/22/2013 1210h	12/3/2013 1311h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/22/2013 1210h	12/2/2013 1507h	E200.7	1.00	**9.61**	
Selenium	mg/L	11/22/2013 1210h	12/3/2013 1311h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/22/2013 1210h	12/3/2013 1311h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/22/2013 1210h	12/2/2013 1155h	E200.7	50.0	**276**	
Thallium	mg/L	11/22/2013 1210h	12/2/2013 2213h	E200.8	0.000500	**0.000799**	
Tin	mg/L	11/22/2013 1210h	12/3/2013 2239h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/22/2013 1210h	12/3/2013 1658h	E200.8	0.000300	**0.00713**	
Vanadium	mg/L	11/22/2013 1210h	12/2/2013 1507h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/22/2013 1210h	12/3/2013 1311h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-004
Client Sample ID: MW-25_11192013
Collection Date: 11/19/2013 1115h
Received Date: 11/22/2013 0930h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/26/2013 1400h	11/26/2013 2113h	E350.1	0.0500	**0.395**	
Bicarbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	**358**	
Carbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/27/2013 0308h	E300.0	5.00	**29.0**	
Fluoride	mg/L		11/27/2013 0758h	E300.0	0.100	**0.329**	
Ion Balance	%		12/4/2013 1326h	Calc.	-15.0	**-0.883**	
Nitrate/Nitrite (as N)	mg/L		12/4/2013 1028h	E353.2	0.100	< 0.100	
Sulfate	mg/L		11/26/2013 2134h	E300.0	500	**1,450**	
Total Anions, Measured	meq/L		12/4/2013 1326h	Calc.		**38.1**	
Total Cations, Measured	meq/L		12/4/2013 1326h	Calc.		**37.5**	
Total Dissolved Solids	mg/L		11/22/2013 1310h	SM2540C	20.0	**2,900**	
Total Dissolved Solids Ratio, Measured/Calculated			12/4/2013 1326h	Calc.		**1.20**	
Total Dissolved Solids, Calculated	mg/L		12/4/2013 1326h	Calc.		**2,410**	

463 West 3600 South
Salt Lake City, UT 84115

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-004A
Client Sample ID: MW-25_11192013
Collection Date: 11/19/2013 1115h
Received Date: 11/22/2013 0930h
Test Code: 8260-W

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

Analyzed: 11/22/2013 1203h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	59.6	50.00	119	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.4	50.00	98.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.0	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	46.7	50.00	93.4	77-129	

463 West 3600 South
Salt Lake City, UT 84115

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

Certificate of Analysis

Report Date: December 11, 2013

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_11192013	Project:	DNMI00100
Sample ID:	338188004	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	19-NOV-13 11:15		
Receive Date:	25-NOV-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.268	0.941	1.00	pCi/L		KDF1	12/04/13	1646	1349804	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			97.8	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-005
Client Sample ID: MW-26_11202013
Collection Date: 11/20/2013 1500h
Received Date: 11/22/2013 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/22/2013 1210h	12/3/2013 1316h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/22/2013 1210h	12/3/2013 1521h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/22/2013 1210h	12/3/2013 1316h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/22/2013 1210h	12/2/2013 1217h	E200.7	50.0	**476**	
Chromium	mg/L	11/22/2013 1210h	12/3/2013 1316h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/22/2013 1210h	12/3/2013 1316h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/22/2013 1210h	12/3/2013 1316h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/22/2013 1210h	12/3/2013 1316h	E200.8	0.100	**0.569**	
Lead	mg/L	11/22/2013 1210h	12/3/2013 1521h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/22/2013 1210h	12/2/2013 1217h	E200.7	50.0	**160**	
Manganese	mg/L	11/22/2013 1210h	12/3/2013 1316h	E200.8	0.0100	**1.08**	
Mercury	mg/L	11/25/2013 1630h	12/2/2013 0816h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/22/2013 1210h	12/3/2013 1316h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/22/2013 1210h	12/3/2013 1316h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/22/2013 1210h	12/2/2013 1511h	E200.7	1.00	**11.3**	
Selenium	mg/L	11/22/2013 1210h	12/3/2013 1316h	E200.8	0.00500	**0.00844**	
Silver	mg/L	11/22/2013 1210h	12/3/2013 1316h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/22/2013 1210h	12/2/2013 1217h	E200.7	50.0	**168**	
Thallium	mg/L	11/22/2013 1210h	12/2/2013 2223h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/22/2013 1210h	12/3/2013 2242h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/22/2013 1210h	12/3/2013 1703h	E200.8	0.000300	**0.0758**	
Vanadium	mg/L	11/22/2013 1210h	12/2/2013 1511h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/22/2013 1210h	12/3/2013 1316h	E200.8	0.0100	< 0.0100	

American West ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, UT 84115
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
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web: www.awal-labs.com
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-005
Client Sample ID: MW-26_11202013
Collection Date: 11/20/2013 1500h
Received Date: 11/22/2013 0930h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/26/2013 1400h	11/26/2013 2115h	E350.1	0.0500	**0.259**	
Bicarbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	**322**	
Carbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/27/2013 0330h	E300.0	10.0	**62.3**	
Fluoride	mg/L		11/27/2013 0820h	E300.0	0.100	**0.289**	
Ion Balance	%		12/4/2013 1326h	Calc.	-15.0	**0.173**	
Nitrate/Nitrite (as N)	mg/L		12/4/2013 1029h	E353.2	0.200	**1.38**	
Sulfate	mg/L		11/26/2013 2156h	E300.0	500	**1,740**	
Total Anions, Measured	meq/L		12/4/2013 1326h	Calc.		**44.4**	
Total Cations, Measured	meq/L		12/4/2013 1326h	Calc.		**44.5**	
Total Dissolved Solids	mg/L		11/22/2013 1310h	SM2540C	20.0	**3,220**	
Total Dissolved Solids Ratio, Measured/Calculated			12/4/2013 1326h	Calc.		**1.15**	
Total Dissolved Solids, Calculated	mg/L		12/4/2013 1326h	Calc.		**2,810**	

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Salt Lake City, UT 84115

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-005A
Client Sample ID: MW-26_11202013
Collection Date: 11/20/2013 1500h
Received Date: 11/22/2013 0930h

Test Code: 8260-W

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

Analyzed: 11/22/2013 1631h
Units: µg/L **Dilution Factor:** 10 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	10.0	**1,220**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	598	500.0	120	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	488	500.0	97.5	80-128	
Surr: Dibromofluoromethane	1868-53-7	549	500.0	110	80-124	
Surr: Toluene-d8	2037-26-5	464	500.0	92.7	77-129	

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

Analyzed: 11/22/2013 1222h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
2-Butanone	78-93-3	20.0	< 20.0	
Acetone	67-64-1	20.0	< 20.0	
Benzene	71-43-2	1.00	< 1.00	
Carbon tetrachloride	56-23-5	1.00	< 1.00	
Chloromethane	74-87-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	**7.64**	
Naphthalene	91-20-3	1.00	< 1.00	
Tetrahydrofuran	109-99-9	1.00	< 1.00	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.9	50.00	116	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.4	50.00	94.8	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.3	50.00	109	80-124	
Surr: Toluene-d8	2037-26-5	44.9	50.00	89.8	77-129	

463 West 3600 South
Salt Lake City, UT 84115

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

Certificate of Analysis

Report Date: December 11, 2013

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_11202013	Project:	DNMI00100
Sample ID:	338188005	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	20-NOV-13 15:00		
Receive Date:	25-NOV-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		3.29	+/-0.545	0.943	1.00	pCi/L		KDF1	12/04/13	1703	1349804	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.

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-006
Client Sample ID: MW-27_12042013
Collection Date: 12/4/2013 1430h
Received Date: 12/9/2013 1000h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/10/2013 955h	12/15/2013 1833h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/10/2013 955h	12/15/2013 1931h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/10/2013 955h	12/15/2013 1833h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	12/10/2013 955h	12/16/2013 1320h	E200.7	50.0	**157**	
Chromium	mg/L	12/10/2013 955h	12/15/2013 1833h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/10/2013 955h	12/15/2013 1833h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/10/2013 955h	12/15/2013 1833h	E200.8	0.0100	< 0.0100	
Iron	mg/L	12/10/2013 955h	12/15/2013 1931h	E200.8	0.0300	< 0.0300	
Lead	mg/L	12/10/2013 955h	12/15/2013 1931h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/10/2013 955h	12/16/2013 1157h	E200.7	5.00	**71.6**	
Manganese	mg/L	12/10/2013 955h	12/15/2013 1833h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	12/10/2013 1230h	12/12/2013 932h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/10/2013 955h	12/15/2013 1833h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/10/2013 955h	12/15/2013 1833h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/10/2013 955h	12/16/2013 1440h	E200.7	1.00	**4.07**	
Selenium	mg/L	12/10/2013 955h	12/15/2013 1833h	E200.8	0.00500	**0.0132**	
Silver	mg/L	12/10/2013 955h	12/15/2013 1833h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/10/2013 955h	12/16/2013 1320h	E200.7	50.0	**69.1**	
Thallium	mg/L	12/10/2013 955h	12/11/2013 2057h	E200.8	0.000500	< 0.000500	
Tin	mg/L	12/10/2013 955h	12/11/2013 2316h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/10/2013 955h	12/15/2013 2030h	E200.8	0.000300	**0.0276**	
Vanadium	mg/L	12/10/2013 955h	12/16/2013 1440h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/10/2013 955h	12/15/2013 1833h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-006
Client Sample ID: MW-27_12042013
Collection Date: 12/4/2013 1430h
Received Date: 12/9/2013 1000h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/12/2013 1230h	12/16/2013 2204h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		12/12/2013 1114h	SM2320B	1.00	**340**	
Carbonate (as CaCO3)	mg/L		12/12/2013 1114h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/10/2013 353h	E300.0	10.0	**45.0**	
Fluoride	mg/L		12/10/2013 759h	E300.0	0.100	**0.659**	
Ion Balance	%		12/16/2013 1543h	Calc.	-15.0	**-1.65**	
Nitrate/Nitrite (as N)	mg/L		12/10/2013 1837h	E353.2	1.00	**7.89**	
Sulfate	mg/L		12/9/2013 2104h	E300.0	100	**442**	
Total Anions, Measured	meq/L		12/16/2013 1543h	Calc.		**17.4**	
Total Cations, Measured	meq/L		12/16/2013 1543h	Calc.		**16.8**	
Total Dissolved Solids	mg/L		12/10/2013 1115h	SM2540C	20.0	**1,100**	
Total Dissolved Solids Ratio, Measured/Calculated			12/16/2013 1543h	Calc.		**1.10**	
Total Dissolved Solids, Calculated	mg/L		12/16/2013 1543h	Calc.		**1,000**	

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
Toll Free: (888) 263-8686
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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-006A
Client Sample ID: MW-27_12042013
Collection Date: 12/4/2013 1430h
Received Date: 12/9/2013 1000h
Test Code: 8260-W

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

Analyzed: 12/9/2013 1923h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.2	50.00	104	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.8	50.00	106	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.7	50.00	99.4	80-124	
Surr: Toluene-d8	2037-26-5	51.0	50.00	102	77-129	

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

Certificate of Analysis

Report Date: January 2, 2014

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_12042013	Project:	DNMI00100
Sample ID:	338950006	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	04-DEC-13 14:30		
Receive Date:	10-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		1.28	+/-0.362	0.956	1.00	pCi/L		KDF1	12/21/13	1633	1352658	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			97.8	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-007
Client Sample ID: MW-28_12042013
Collection Date: 12/4/2013 1010h
Received Date: 12/9/2013 1000h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/10/2013 955h	12/15/2013 1838h	E200.8	0.00500	**0.00889**	
Beryllium	mg/L	12/10/2013 955h	12/15/2013 1937h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/10/2013 955h	12/15/2013 1838h	E200.8	0.000500	**0.00474**	
Calcium	mg/L	12/10/2013 955h	12/16/2013 1336h	E200.7	50.0	**475**	
Chromium	mg/L	12/10/2013 955h	12/15/2013 1838h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/10/2013 955h	12/15/2013 1838h	E200.8	0.0100	**0.0304**	
Copper	mg/L	12/10/2013 955h	12/15/2013 1838h	E200.8	0.0100	< 0.0100	
Iron	mg/L	12/10/2013 955h	12/15/2013 1937h	E200.8	0.0300	< 0.0300	
Lead	mg/L	12/10/2013 955h	12/15/2013 1937h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/10/2013 955h	12/16/2013 1336h	E200.7	50.0	**162**	
Manganese	mg/L	12/10/2013 955h	12/15/2013 1838h	E200.8	0.0100	**1.53**	
Mercury	mg/L	12/10/2013 1230h	12/12/2013 934h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/10/2013 955h	12/15/2013 1838h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/10/2013 955h	12/15/2013 1838h	E200.8	0.0200	**0.0225**	
Potassium	mg/L	12/10/2013 955h	12/16/2013 1201h	E200.7	5.00	**10.6**	
Selenium	mg/L	12/10/2013 955h	12/15/2013 1838h	E200.8	0.00500	< 0.00500	
Silver	mg/L	12/10/2013 955h	12/15/2013 1838h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/10/2013 955h	12/16/2013 1336h	E200.7	50.0	**287**	
Thallium	mg/L	12/10/2013 955h	12/11/2013 2107h	E200.8	0.000500	**0.000872**	
Tin	mg/L	12/10/2013 955h	12/11/2013 2326h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/10/2013 955h	12/15/2013 2036h	E200.8	0.000300	**0.00334**	
Vanadium	mg/L	12/10/2013 955h	12/16/2013 1444h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/10/2013 955h	12/15/2013 1838h	E200.8	0.0100	**0.0489**	

American West ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, UT 84115
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-007
Client Sample ID: MW-28_12042013
Collection Date: 12/4/2013 1010h
Received Date: 12/9/2013 1000h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/12/2013 1230h	12/16/2013 2210h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		12/12/2013 1114h	SM2320B	1.00	**144**	
Carbonate (as CaCO3)	mg/L		12/12/2013 1114h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/10/2013 421h	E300.0	50.0	**109**	
Fluoride	mg/L		12/10/2013 826h	E300.0	0.100	**0.657**	
Ion Balance	%		12/16/2013 1543h	Calc.	-15.0	**-3.25**	
Nitrate/Nitrite (as N)	mg/L		12/10/2013 1839h	E353.2	0.100	**0.276**	
Sulfate	mg/L		12/9/2013 2131h	E300.0	500	**2,270**	
Total Anions, Measured	meq/L		12/16/2013 1543h	Calc.		**53.2**	
Total Cations, Measured	meq/L		12/16/2013 1543h	Calc.		**49.8**	
Total Dissolved Solids	mg/L		12/10/2013 1115h	SM2540C	20.0	**3,610**	
Total Dissolved Solids Ratio, Measured/Calculated			12/16/2013 1543h	Calc.		**1.06**	
Total Dissolved Solids, Calculated	mg/L		12/16/2013 1543h	Calc.		**3,400**	

463 West 3600 South
Salt Lake City, UT 84115
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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-007A
Client Sample ID: MW-28_12042013
Collection Date: 12/4/2013 1010h
Received Date: 12/9/2013 1000h

Test Code: 8260-W

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

Analyzed: 12/9/2013 1941h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.6	50.00	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.9	50.00	104	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.1	50.00	102	80-124	
Surr: Toluene-d8	2037-26-5	51.7	50.00	103	77-129	

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

Certificate of Analysis

Report Date: January 2, 2014

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

Client Sample ID:	MW-28_12042013	Project:	DNMI00100
Sample ID:	338950007	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	04-DEC-13 10:10		
Receive Date:	10-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		1.31	+/-0.377	0.966	1.00	pCi/L		KDF1	12/21/13	1633	1352658	

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.

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-006
Client Sample ID: MW-29_11202013
Collection Date: 11/20/2013 1300h
Received Date: 11/22/2013 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/22/2013 1210h	12/3/2013 1322h	E200.8	0.00500	**0.00631**	
Beryllium	mg/L	11/22/2013 1210h	12/3/2013 1526h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/22/2013 1210h	12/3/2013 1322h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/22/2013 1210h	12/2/2013 1220h	E200.7	50.0	**463**	
Chromium	mg/L	11/22/2013 1210h	12/3/2013 1322h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/22/2013 1210h	12/3/2013 1322h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/22/2013 1210h	12/3/2013 1322h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/22/2013 1210h	12/3/2013 1322h	E200.8	0.100	**1.69**	
Lead	mg/L	11/22/2013 1210h	12/3/2013 1526h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/22/2013 1210h	12/2/2013 1220h	E200.7	50.0	**207**	
Manganese	mg/L	11/22/2013 1210h	12/3/2013 1426h	E200.8	0.0100	**5.23**	
Mercury	mg/L	11/25/2013 1630h	12/2/2013 0818h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/22/2013 1210h	12/3/2013 1322h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/22/2013 1210h	12/3/2013 1322h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/22/2013 1210h	12/2/2013 1515h	E200.7	1.00	**18.0**	
Selenium	mg/L	11/22/2013 1210h	12/3/2013 1322h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/22/2013 1210h	12/3/2013 1322h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/22/2013 1210h	12/2/2013 1220h	E200.7	50.0	**456**	
Thallium	mg/L	11/22/2013 1210h	12/2/2013 2233h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/22/2013 1210h	12/3/2013 2245h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/22/2013 1210h	12/3/2013 1708h	E200.8	0.000300	**0.0138**	
Vanadium	mg/L	11/22/2013 1210h	12/2/2013 1515h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/22/2013 1210h	12/3/2013 1322h	E200.8	0.0100	**0.0156**	

American West ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, UT 84115
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e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-006
Client Sample ID: MW-29_11202013
Collection Date: 11/20/2013 1300h
Received Date: 11/22/2013 0930h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/26/2013 1400h	11/26/2013 2116h	E350.1	0.0500	**0.520**	
Bicarbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	**287**	
Carbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/27/2013 0352h	E300.0	5.00	**34.9**	
Fluoride	mg/L		11/27/2013 0842h	E300.0	0.100	**0.749**	
Ion Balance	%		12/4/2013 1326h	Calc.	-15.0	**-2.86**	
Nitrate/Nitrite (as N)	mg/L		12/4/2013 1031h	E353.2	0.100	< 0.100	
Sulfate	mg/L		11/27/2013 1523h	E300.0	500	**2,750**	
Total Anions, Measured	meq/L		12/4/2013 1326h	Calc.		**64.0**	
Total Cations, Measured	meq/L		12/4/2013 1326h	Calc.		**60.4**	
Total Dissolved Solids	mg/L		11/22/2013 1310h	SM2540C	20.0	**4,370**	
Total Dissolved Solids Ratio, Measured/Calculated			12/4/2013 1326h	Calc.		**1.07**	
Total Dissolved Solids, Calculated	mg/L		12/4/2013 1326h	Calc.		**4,100**	

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
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ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-006A
Client Sample ID: MW-29_11202013
Collection Date: 11/20/2013 1300h
Received Date: 11/22/2013 0930h

Test Code: 8260-W

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

Analyzed: 11/22/2013 1241h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.8	50.00	118	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	47.4	50.00	94.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.1	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	45.4	50.00	90.8	77-129	

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Certificate of Analysis

Report Date: December 11, 2013

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

Client Sample ID:	MW-29_11202013	Project:	DNMI00100
Sample ID:	338188006	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	20-NOV-13 13:00		
Receive Date:	25-NOV-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.298	0.898	1.00	pCi/L		KDF1	12/04/13	1646	1349804	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

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

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-007
Client Sample ID: MW-30_11202013
Collection Date: 11/20/2013 1005h
Received Date: 11/22/2013 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/22/2013 1210h	12/3/2013 1343h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/22/2013 1210h	12/3/2013 1531h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/22/2013 1210h	12/3/2013 1343h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/22/2013 1210h	12/2/2013 1224h	E200.7	50.0	**244**	
Chromium	mg/L	11/22/2013 1210h	12/3/2013 1343h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/22/2013 1210h	12/3/2013 1343h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/22/2013 1210h	12/3/2013 1343h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/22/2013 1210h	12/3/2013 1531h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/22/2013 1210h	12/3/2013 1531h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/22/2013 1210h	12/2/2013 1224h	E200.7	50.0	**63.0**	
Manganese	mg/L	11/22/2013 1210h	12/3/2013 1343h	E200.8	0.0100	**0.0220**	
Mercury	mg/L	11/25/2013 1630h	12/2/2013 0820h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/22/2013 1210h	12/3/2013 1343h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/22/2013 1210h	12/3/2013 1343h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/22/2013 1210h	12/2/2013 1519h	E200.7	1.00	**6.31**	
Selenium	mg/L	11/22/2013 1210h	12/3/2013 1343h	E200.8	0.00500	**0.0366**	
Silver	mg/L	11/22/2013 1210h	12/3/2013 1343h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/22/2013 1210h	12/2/2013 1224h	E200.7	50.0	**92.3**	
Thallium	mg/L	11/22/2013 1210h	12/2/2013 2325h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/22/2013 1210h	12/3/2013 2248h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/22/2013 1210h	12/3/2013 1714h	E200.8	0.000300	**0.00857**	
Vanadium	mg/L	11/22/2013 1210h	12/2/2013 1519h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/22/2013 1210h	12/3/2013 1343h	E200.8	0.0100	< 0.0100	

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Salt Lake City, UT 84115

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-007
Client Sample ID: MW-30_11202013
Collection Date: 11/20/2013 1005h
Received Date: 11/22/2013 0930h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/26/2013 1400h	11/26/2013 2121h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	**147**	
Carbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/26/2013 2241h	E300.0	50.0	**124**	
Fluoride	mg/L		11/27/2013 0904h	E300.0	0.100	**0.335**	
Ion Balance	%		12/4/2013 1326h	Calc.	-15.0	**-3.27**	
Nitrate/Nitrite (as N)	mg/L		12/4/2013 1037h	E353.2	2.00	**19.5**	
Sulfate	mg/L		11/26/2013 2241h	E300.0	50.0	**781**	
Total Anions, Measured	meq/L		12/4/2013 1326h	Calc.		**23.0**	
Total Cations, Measured	meq/L		12/4/2013 1326h	Calc.		**21.6**	
Total Dissolved Solids	mg/L		11/22/2013 1310h	SM2540C	20.0	**1,570**	
Total Dissolved Solids Ratio, Measured/Calculated			12/4/2013 1326h	Calc.		**1.11**	
Total Dissolved Solids, Calculated	mg/L		12/4/2013 1326h	Calc.		**1,420**	

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

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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American West
ANALYTICAL LABORATORIES

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Salt Lake City, UT 84115

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Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-007A
Client Sample ID: MW-30_11202013
Collection Date: 11/20/2013 1005h
Received Date: 11/22/2013 0930h
Test Code: 8260-W

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

Analyzed: 11/22/2013 1300h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	60.5	50.00	121	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.2	50.00	98.3	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.5	50.00	109	80-124	
Surr: Toluene-d8	2037-26-5	46.8	50.00	93.6	77-129	

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

Certificate of Analysis

Report Date: December 11, 2013

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_11202013	Project:	DNMI00100
Sample ID:	338188007	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	20-NOV-13 10:05		
Receive Date:	25-NOV-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		1.05	+/-0.342	0.872	1.00	pCi/L		KDF1	12/04/13	1646	1349804	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			93.0	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-008
Client Sample ID: MW-31_11182013
Collection Date: 11/18/2013 1515h
Received Date: 11/22/2013 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/22/2013 1210h	12/3/2013 1348h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/22/2013 1210h	12/3/2013 1537h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/22/2013 1210h	12/3/2013 1348h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/22/2013 1210h	12/2/2013 1228h	E200.7	50.0	**194**	
Chromium	mg/L	11/22/2013 1210h	12/3/2013 1348h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/22/2013 1210h	12/3/2013 1348h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/22/2013 1210h	12/3/2013 1348h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/22/2013 1210h	12/3/2013 1537h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/22/2013 1210h	12/3/2013 1537h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/22/2013 1210h	12/2/2013 1228h	E200.7	50.0	**89.4**	
Manganese	mg/L	11/22/2013 1210h	12/3/2013 1348h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	11/25/2013 1630h	12/2/2013 0821h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/22/2013 1210h	12/3/2013 1348h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/22/2013 1210h	12/3/2013 1348h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/22/2013 1210h	12/2/2013 1523h	E200.7	1.00	**6.00**	
Selenium	mg/L	11/22/2013 1210h	12/3/2013 1348h	E200.8	0.00500	**0.0745**	
Silver	mg/L	11/22/2013 1210h	12/3/2013 1348h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/22/2013 1210h	12/2/2013 1228h	E200.7	50.0	**94.2**	
Thallium	mg/L	11/22/2013 1210h	12/2/2013 2335h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/22/2013 1210h	12/3/2013 2251h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/22/2013 1210h	12/3/2013 1719h	E200.8	0.000300	**0.00903**	
Vanadium	mg/L	11/22/2013 1210h	12/2/2013 1523h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/22/2013 1210h	12/3/2013 1348h	E200.8	0.0100	< 0.0100	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-008
Client Sample ID: MW-31_11182013
Collection Date: 11/18/2013 1515h
Received Date: 11/22/2013 0930h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/26/2013 1400h	11/26/2013 2125h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	**175**	
Carbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/26/2013 2303h	E300.0	50.0	**174**	
Fluoride	mg/L		11/27/2013 0927h	E300.0	0.100	**0.764**	
Ion Balance	%		12/4/2013 1326h	Calc.	-15.0	**-0.362**	
Nitrate/Nitrite (as N)	mg/L		12/4/2013 1038h	E353.2	2.00	**23.9**	
Sulfate	mg/L		11/26/2013 2303h	E300.0	50.0	**609**	
Total Anions, Measured	meq/L		12/4/2013 1326h	Calc.		**21.5**	
Total Cations, Measured	meq/L		12/4/2013 1326h	Calc.		**21.3**	
Total Dissolved Solids	mg/L		11/22/2013 1310h	SM2540C	20.0	**1,320**	
Total Dissolved Solids Ratio, Measured/Calculated			12/4/2013 1326h	Calc.		**1.02**	
Total Dissolved Solids, Calculated	mg/L		12/4/2013 1326h	Calc.		**1,300**	

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Salt Lake City, UT 84115

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-008A
Client Sample ID: MW-31_11182013
Collection Date: 11/18/2013 1515h
Received Date: 11/22/2013 0930h

Test Code: 8260-W

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

Analyzed: 11/22/2013 1319h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	60.6	50.00	121	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.1	50.00	98.2	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.3	50.00	109	80-124	
Surr: Toluene-d8	2037-26-5	46.3	50.00	92.7	77-129	

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

Certificate of Analysis

Report Date: December 11, 2013

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_11182013	Project:	DNMI00100
Sample ID:	338188008	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	18-NOV-13 15:15		
Receive Date:	25-NOV-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		1.32	+/-0.354	0.938	1.00	pCi/L		KDF1	12/04/13	1646	1349804	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

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

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

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

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ANALYTICAL LABORATORIES

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Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

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Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-009
Client Sample ID: MW-32_11182013
Collection Date: 11/18/2013 1435h
Received Date: 11/22/2013 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/22/2013 1210h	12/3/2013 1354h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/22/2013 1210h	12/3/2013 1542h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/22/2013 1210h	12/3/2013 1354h	E200.8	0.000500	**0.00181**	
Calcium	mg/L	11/22/2013 1210h	12/2/2013 1232h	E200.7	50.0	**473**	
Chromium	mg/L	11/22/2013 1210h	12/3/2013 1354h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/22/2013 1210h	12/3/2013 1354h	E200.8	0.0100	**0.0365**	
Copper	mg/L	11/22/2013 1210h	12/3/2013 1354h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/22/2013 1210h	12/3/2013 1432h	E200.8	0.500	**4.53**	
Lead	mg/L	11/22/2013 1210h	12/3/2013 1542h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/22/2013 1210h	12/2/2013 1232h	E200.7	50.0	**202**	
Manganese	mg/L	11/22/2013 1210h	12/3/2013 1432h	E200.8	0.0100	**5.36**	
Mercury	mg/L	11/25/2013 1630h	12/2/2013 0823h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/22/2013 1210h	12/3/2013 1354h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/22/2013 1210h	12/3/2013 1354h	E200.8	0.0200	**0.0436**	
Potassium	mg/L	11/22/2013 1210h	12/2/2013 1540h	E200.7	1.00	**14.3**	
Selenium	mg/L	11/22/2013 1210h	12/3/2013 1354h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/22/2013 1210h	12/3/2013 1354h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/22/2013 1210h	12/2/2013 1232h	E200.7	50.0	**221**	
Thallium	mg/L	11/22/2013 1210h	12/2/2013 2345h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/22/2013 1210h	12/3/2013 2254h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/22/2013 1210h	12/3/2013 1724h	E200.8	0.000300	**0.00217**	
Vanadium	mg/L	11/22/2013 1210h	12/2/2013 1540h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/22/2013 1210h	12/3/2013 1354h	E200.8	0.0100	**0.0700**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-009
Client Sample ID: MW-32_11182013
Collection Date: 11/18/2013 1435h
Received Date: 11/22/2013 0930h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/26/2013 1400h	11/26/2013 2126h	E350.1	0.0500	**0.488**	
Bicarbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	**372**	
Carbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/27/2013 0415h	E300.0	5.00	**33.7**	
Fluoride	mg/L		11/27/2013 0949h	E300.0	0.100	**0.206**	
Ion Balance	%		12/4/2013 1326h	Calc.	-15.0	**-1.94**	
Nitrate/Nitrite (as N)	mg/L		12/4/2013 1039h	E353.2	0.100	< 0.100	
Sulfate	mg/L		11/26/2013 2325h	E300.0	500	**2,110**	
Total Anions, Measured	meq/L		12/4/2013 1326h	Calc.		**52.2**	
Total Cations, Measured	meq/L		12/4/2013 1326h	Calc.		**50.2**	
Total Dissolved Solids	mg/L		11/22/2013 1310h	SM2540C	20.0	**3,710**	
Total Dissolved Solids Ratio, Measured/Calculated			12/4/2013 1326h	Calc.		**1.13**	
Total Dissolved Solids, Calculated	mg/L		12/4/2013 1326h	Calc.		**3,270**	

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Salt Lake City, UT 84115

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-009A
Client Sample ID: MW-32_11182013
Collection Date: 11/18/2013 1435h
Received Date: 11/22/2013 0930h

Test Code: 8260-W

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

Analyzed: 11/22/2013 1338h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	60.9	50.00	122	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.6	50.00	97.1	80-128	
Surr: Dibromofluoromethane	1868-53-7	55.1	50.00	110	80-124	
Surr: Toluene-d8	2037-26-5	46.8	50.00	93.6	77-129	

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

Certificate of Analysis

Report Date: December 11, 2013

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_11182013	Project:	DNMI00100
Sample ID:	338188009	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	18-NOV-13 14:35		
Receive Date:	25-NOV-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		1.86	+/-0.389	0.945	1.00	pCi/L		KDF1	12/04/13	1647	1349804	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

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

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-010
Client Sample ID: MW-35_11192013
Collection Date: 11/19/2013 1455h
Received Date: 11/22/2013 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/22/2013 1210h	12/3/2013 1359h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/22/2013 1210h	12/3/2013 1603h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/22/2013 1210h	12/3/2013 1359h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/22/2013 1210h	12/2/2013 1236h	E200.7	50.0	**500**	
Chromium	mg/L	11/22/2013 1210h	12/3/2013 1359h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/22/2013 1210h	12/3/2013 1359h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/22/2013 1210h	12/3/2013 1359h	E200.8	0.0100	< 0.0100	
Iron	mg/L	11/22/2013 1210h	12/3/2013 1603h	E200.8	0.0300	**0.214**	
Lead	mg/L	11/22/2013 1210h	12/3/2013 1603h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/22/2013 1210h	12/2/2013 1236h	E200.7	50.0	**144**	
Manganese	mg/L	11/22/2013 1210h	12/3/2013 1359h	E200.8	0.0100	**0.251**	
Mercury	mg/L	11/25/2013 1630h	12/2/2013 0825h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/22/2013 1210h	12/3/2013 1359h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/22/2013 1210h	12/3/2013 1359h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/22/2013 1210h	12/2/2013 1544h	E200.7	1.00	**11.6**	
Selenium	mg/L	11/22/2013 1210h	12/3/2013 1359h	E200.8	0.00500	< 0.00500	
Silver	mg/L	11/22/2013 1210h	12/3/2013 1359h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/22/2013 1210h	12/2/2013 1236h	E200.7	50.0	**379**	
Thallium	mg/L	11/22/2013 1210h	12/2/2013 2355h	E200.8	0.000500	< 0.000500	
Tin	mg/L	11/22/2013 1210h	12/3/2013 2257h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/22/2013 1210h	12/3/2013 1746h	E200.8	0.000300	**0.0241**	
Vanadium	mg/L	11/22/2013 1210h	12/2/2013 1544h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/22/2013 1210h	12/3/2013 1359h	E200.8	0.0100	< 0.0100	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-010
Client Sample ID: MW-35_11192013
Collection Date: 11/19/2013 1455h
Received Date: 11/22/2013 0930h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/26/2013 1400h	11/26/2013 2127h	E350.1	0.0500	**0.0565**	
Bicarbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	**326**	
Carbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/27/2013 0437h	E300.0	10.0	**61.0**	
Fluoride	mg/L		11/27/2013 1011h	E300.0	0.100	**0.367**	
Ion Balance	%		12/4/2013 1326h	Calc.	-15.0	**-0.631**	
Nitrate/Nitrite (as N)	mg/L		12/4/2013 1041h	E353.2	0.100	< 0.100	
Sulfate	mg/L		11/26/2013 2347h	E300.0	500	**2,210**	
Total Anions, Measured	meq/L		12/4/2013 1326h	Calc.		**54.3**	
Total Cations, Measured	meq/L		12/4/2013 1326h	Calc.		**53.6**	
Total Dissolved Solids	mg/L		11/22/2013 1310h	SM2540C	20.0	**4,170**	
Total Dissolved Solids Ratio, Measured/Calculated			12/4/2013 1326h	Calc.		**1.19**	
Total Dissolved Solids, Calculated	mg/L		12/4/2013 1326h	Calc.		**3,500**	

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Salt Lake City, UT 84115

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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-010A
Client Sample ID: MW-35_11192013
Collection Date: 11/19/2013 1455h
Received Date: 11/22/2013 0930h

Test Code: 8260-W

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

Analyzed: 11/22/2013 1358h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	60.7	50.00	121	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.1	50.00	98.3	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.7	50.00	109	80-124	
Surr: Toluene-d8	2037-26-5	46.2	50.00	92.3	77-129	

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Certificate of Analysis

Report Date: December 11, 2013

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_11192013	Project:	DNMI00100
Sample ID:	338188010	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	19-NOV-13 14:55		
Receive Date:	25-NOV-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		5.39	+/-0.581	0.920	1.00	pCi/L		KDF1	12/04/13	1646	1349804	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			100	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-011
Client Sample ID: MW-36_11202013
Collection Date: 11/20/2013 1410h
Received Date: 11/22/2013 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/22/2013 1210h	12/3/2013 1404h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	11/22/2013 1210h	12/3/2013 1610h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/22/2013 1210h	12/3/2013 1404h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/22/2013 1210h	12/2/2013 1240h	E200.7	50.0	**423**	
Chromium	mg/L	11/22/2013 1210h	12/3/2013 1404h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	11/22/2013 1210h	12/3/2013 1404h	E200.8	0.0100	< 0.0100	
Copper	mg/L	11/22/2013 1210h	12/3/2013 1404h	E200.8	0.0100	**0.0104**	
Iron	mg/L	11/22/2013 1210h	12/3/2013 1610h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/22/2013 1210h	12/3/2013 1610h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/22/2013 1210h	12/2/2013 1240h	E200.7	50.0	**130**	
Manganese	mg/L	11/22/2013 1210h	12/3/2013 1404h	E200.8	0.0100	< 0.0100	
Mercury	mg/L	11/25/2013 1630h	12/2/2013 0826h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/22/2013 1210h	12/3/2013 1404h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/22/2013 1210h	12/3/2013 1404h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	11/22/2013 1210h	12/2/2013 1548h	E200.7	1.00	**10.1**	
Selenium	mg/L	11/22/2013 1210h	12/3/2013 1404h	E200.8	0.00500	**0.235**	
Silver	mg/L	11/22/2013 1210h	12/3/2013 1404h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/22/2013 1210h	12/2/2013 1240h	E200.7	50.0	**669**	
Thallium	mg/L	11/22/2013 1210h	12/3/2013 0005h	E200.8	0.000500	**0.000575**	
Tin	mg/L	11/22/2013 1210h	12/3/2013 2300h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/22/2013 1210h	12/3/2013 1751h	E200.8	0.000300	**0.0243**	
Vanadium	mg/L	11/22/2013 1210h	12/2/2013 1548h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/22/2013 1210h	12/3/2013 1404h	E200.8	0.0100	< 0.0100	

American West ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, UT 84115
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-011
Client Sample ID: MW-36_11202013
Collection Date: 11/20/2013 1410h
Received Date: 11/22/2013 0930h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/26/2013 1400h	11/26/2013 2128h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	**301**	
Carbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/27/2013 0459h	E300.0	10.0	**54.7**	
Fluoride	mg/L		11/27/2013 1140h	E300.0	0.100	**0.350**	
Ion Balance	%		12/4/2013 1326h	Calc.	-15.0	**1.66**	
Nitrate/Nitrite (as N)	mg/L		12/4/2013 1042h	E353.2	0.100	**0.208**	
Sulfate	mg/L		11/27/2013 0010h	E300.0	500	**2,480**	
Total Anions, Measured	meq/L		12/4/2013 1326h	Calc.		**59.1**	
Total Cations, Measured	meq/L		12/4/2013 1326h	Calc.		**61.1**	
Total Dissolved Solids	mg/L		11/22/2013 1310h	SM2540C	20.0	**4,520**	
Total Dissolved Solids Ratio, Measured/Calculated			12/4/2013 1326h	Calc.		**1.15**	
Total Dissolved Solids, Calculated	mg/L		12/4/2013 1326h	Calc.		**3,940**	

463 West 3600 South
Salt Lake City, UT 84115

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Toll Free: (888) 263-8686
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Salt Lake City, UT 84115

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Fax: (801) 263-8687
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-011A
Client Sample ID: MW-36_11202013
Collection Date: 11/20/2013 1410h
Received Date: 11/22/2013 0930h

Test Code: 8260-W

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

Analyzed: 11/22/2013 1417h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	62.0	50.00	124	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	50.3	50.00	101	80-128	
Surr: Dibromofluoromethane	1868-53-7	55.4	50.00	111	80-124	
Surr: Toluene-d8	2037-26-5	48.0	50.00	95.9	77-129	

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Certificate of Analysis

Report Date: December 11, 2013

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_11202013	Project:	DNMI00100
Sample ID:	338188011	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	20-NOV-13 14:10		
Receive Date:	25-NOV-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		1.42	+/-0.361	0.916	1.00	pCi/L		KDF1	12/04/13	1646	1349804	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.

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Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312464-003
Client Sample ID: MW-37_12182013
Collection Date: 12/18/2013 820h
Received Date: 12/23/2013 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/23/2013 1405h	12/31/2013 1737h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/23/2013 1405h	12/31/2013 448h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/23/2013 1405h	12/31/2013 307h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	12/23/2013 1405h	12/31/2013 1058h	E200.7	50.0	**475**	
Chromium	mg/L	12/23/2013 1405h	12/31/2013 307h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/23/2013 1405h	12/31/2013 307h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/23/2013 1405h	12/31/2013 307h	E200.8	0.0100	< 0.0100	
Iron	mg/L	1/6/2014 1300h	1/6/2014 2041h	E200.8	0.0300	**0.0736**	
Lead	mg/L	12/23/2013 1405h	12/31/2013 448h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/23/2013 1405h	12/31/2013 1058h	E200.7	50.0	**132**	
Manganese	mg/L	1/3/2014 1030h	1/3/2014 1828h	E200.8	0.0100	**0.0166**	
Mercury	mg/L	12/23/2013 1400h	12/24/2013 1104h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/23/2013 1405h	12/31/2013 307h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/23/2013 1405h	12/31/2013 307h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/23/2013 1405h	1/3/2014 1159h	E200.7	5.00	**14.6**	
Selenium	mg/L	12/23/2013 1405h	12/31/2013 307h	E200.8	0.00500	**0.00722**	
Silver	mg/L	12/23/2013 1405h	12/31/2013 307h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/23/2013 1405h	12/31/2013 1058h	E200.7	50.0	**512**	
Thallium	mg/L	12/23/2013 1405h	12/30/2013 1638h	E200.8	0.000500	**0.000787**	
Tin	mg/L	12/23/2013 1405h	12/30/2013 1828h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/23/2013 1405h	12/31/2013 525h	E200.8	0.000300	**0.0114**	
Vanadium	mg/L	12/23/2013 1405h	1/3/2014 1423h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/23/2013 1405h	12/31/2013 1737h	E200.8	0.0100	**0.0300**	

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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312464-003
Client Sample ID: MW-37_12182013
Collection Date: 12/18/2013 820h
Received Date: 12/23/2013 1250h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/26/2013 1100h	12/27/2013 1310h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		12/24/2013 730h	SM2320B	1.00	**193**	
Carbonate (as CaCO3)	mg/L		12/24/2013 730h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/28/2013 818h	E300.0	10.0	**46.1**	
Fluoride	mg/L		12/28/2013 1255h	E300.0	0.100	**0.240**	
Ion Balance	%		1/3/2014 1453h	Calc.	-15.0	**-4.37**	
Nitrate/Nitrite (as N)	mg/L		12/27/2013 1745h	E353.2	0.100	**0.609**	
Sulfate	mg/L		12/28/2013 134h	E300.0	500	**2,750**	
Total Anions, Measured	meq/L		1/3/2014 1453h	Calc.		**62.4**	
Total Cations, Measured	meq/L		1/3/2014 1453h	Calc.		**57.2**	
Total Dissolved Solids	mg/L		12/23/2013 1315h	SM2540C	20.0	**3,950**	
Total Dissolved Solids Ratio, Measured/Calculated			1/3/2014 1453h	Calc.		**0.976**	
Total Dissolved Solids, Calculated	mg/L		1/3/2014 1453h	Calc.		**4,050**	

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Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312464-003A
Client Sample ID: MW-37_12182013
Collection Date: 12/18/2013 820h
Received Date: 12/23/2013 1250h
Test Code: 8260-W

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

Analyzed: 12/23/2013 1549h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.2	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.6	50.00	99.3	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.3	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	48.4	50.00	96.8	77-129	

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

Certificate of Analysis

Report Date: January 14, 2014

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_12182013	Project:	DNMI00100
Sample ID:	339762002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	18-DEC-13 08:20		
Receive Date:	20-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.237	0.567	1.00	pCi/L		KDF1	01/14/14	1319	1355876	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

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

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

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

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ANALYTICAL LABORATORIES

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Salt Lake City, UT 84115

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web: www.awal-labs.com

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Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-012
Client Sample ID: MW-65_11202013
Collection Date: 11/20/2013 1410h
Received Date: 11/22/2013 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	11/22/2013 1210h	12/3/2013 1410h	E200.8	0.00500	< 0.00500	@
Beryllium	mg/L	11/22/2013 1210h	12/3/2013 1615h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	11/22/2013 1210h	12/3/2013 1410h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	11/22/2013 1210h	12/2/2013 1244h	E200.7	50.0	**422**	2
Chromium	mg/L	11/22/2013 1210h	12/3/2013 1410h	E200.8	0.0250	< 0.0250	@
Cobalt	mg/L	11/22/2013 1210h	12/3/2013 1410h	E200.8	0.0100	< 0.0100	@
Copper	mg/L	11/22/2013 1210h	12/3/2013 1410h	E200.8	0.0100	< 0.0100	@
Iron	mg/L	11/22/2013 1210h	12/3/2013 1615h	E200.8	0.0300	< 0.0300	
Lead	mg/L	11/22/2013 1210h	12/3/2013 1615h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	11/22/2013 1210h	12/2/2013 1244h	E200.7	50.0	**131**	2
Manganese	mg/L	11/22/2013 1210h	12/3/2013 1410h	E200.8	0.0100	< 0.0100	@
Mercury	mg/L	11/25/2013 1630h	12/2/2013 0828h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	11/22/2013 1210h	12/3/2013 1410h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	11/22/2013 1210h	12/3/2013 1410h	E200.8	0.0200	< 0.0200	@
Potassium	mg/L	11/22/2013 1210h	12/2/2013 1552h	E200.7	5.00	**9.45**	
Selenium	mg/L	11/22/2013 1210h	12/3/2013 1410h	E200.8	0.00500	**0.233**	@1
Silver	mg/L	11/22/2013 1210h	12/3/2013 1410h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	11/22/2013 1210h	12/2/2013 1244h	E200.7	50.0	**665**	2
Thallium	mg/L	11/22/2013 1210h	12/3/2013 0015h	E200.8	0.000500	**0.000583**	
Tin	mg/L	11/22/2013 1210h	12/3/2013 2316h	E200.8	0.100	< 0.100	
Uranium	mg/L	11/22/2013 1210h	12/3/2013 1756h	E200.8	0.000300	**0.0267**	
Vanadium	mg/L	11/22/2013 1210h	12/3/2013 0915h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	11/22/2013 1210h	12/3/2013 1410h	E200.8	0.0100	< 0.0100	@

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

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-012
Client Sample ID: MW-65_11202013
Collection Date: 11/20/2013 1410h
Received Date: 11/22/2013 0930h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	11/26/2013 1400h	11/26/2013 2129h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	**286**	
Carbonate (as CaCO3)	mg/L		11/26/2013 1000h	SM2320B	1.00	< 1.00	
Chloride	mg/L		11/27/2013 0522h	E300.0	10.0	**59.0**	
Fluoride	mg/L		11/27/2013 1203h	E300.0	0.100	**0.297**	
Ion Balance	%		12/4/2013 1326h	Calc.	-15.0	**0.408**	
Nitrate/Nitrite (as N)	mg/L		12/4/2013 1046h	E353.2	0.100	**0.209**	
Sulfate	mg/L		11/27/2013 0032h	E300.0	500	**2,550**	
Total Anions, Measured	meq/L		12/4/2013 1326h	Calc.		**60.5**	
Total Cations, Measured	meq/L		12/4/2013 1326h	Calc.		**61.0**	
Total Dissolved Solids	mg/L		11/22/2013 1310h	SM2540C	20.0	**4,860**	
Total Dissolved Solids Ratio, Measured/Calculated			12/4/2013 1326h	Calc.		**1.21**	
Total Dissolved Solids, Calculated	mg/L		12/4/2013 1326h	Calc.		**4,010**	

463 West 3600 South
Salt Lake City, UT 84115

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
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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-012A
Client Sample ID: MW-65_11202013
Collection Date: 11/20/2013 1410h
Received Date: 11/22/2013 0930h

Test Code: 8260-W

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

Analyzed: 11/22/2013 1436h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	60.0	50.00	120	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.2	50.00	96.4	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.0	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	46.1	50.00	92.2	77-129	

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

Certificate of Analysis

Report Date: December 11, 2013

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_11202013	Project:	DNMI00100
Sample ID:	338188012	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	20-NOV-13 14:10		
Receive Date:	25-NOV-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		1.94	+/-0.410	0.902	1.00	pCi/L		KDF1	12/04/13	1647	1349804	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.

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-007
Client Sample ID: MW-70_12112013
Collection Date: 12/11/2013 800h
Received Date: 12/13/2013 1310h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Arsenic	mg/L	12/16/2013 930h	12/18/2013 1528h	E200.8	0.00500	< 0.00500	
Beryllium	mg/L	12/16/2013 930h	12/18/2013 658h	E200.8	0.000500	< 0.000500	
Cadmium	mg/L	12/16/2013 930h	12/18/2013 559h	E200.8	0.000500	< 0.000500	
Calcium	mg/L	12/16/2013 930h	12/19/2013 1716h	E200.7	50.0	**396**	
Chromium	mg/L	12/16/2013 930h	12/18/2013 559h	E200.8	0.0250	< 0.0250	
Cobalt	mg/L	12/16/2013 930h	12/18/2013 559h	E200.8	0.0100	< 0.0100	
Copper	mg/L	12/16/2013 930h	12/18/2013 559h	E200.8	0.0100	< 0.0100	
Iron	mg/L	12/16/2013 930h	12/18/2013 658h	E200.8	0.0300	< 0.0300	
Lead	mg/L	12/16/2013 930h	12/18/2013 658h	E200.8	0.00100	< 0.00100	
Magnesium	mg/L	12/16/2013 930h	12/19/2013 1716h	E200.7	50.0	**223**	
Manganese	mg/L	12/16/2013 930h	12/18/2013 559h	E200.8	0.0100	**0.876**	
Mercury	mg/L	12/17/2013 1700h	12/18/2013 859h	E245.1	0.000500	< 0.000500	
Molybdenum	mg/L	12/16/2013 930h	12/18/2013 559h	E200.8	0.0100	< 0.0100	
Nickel	mg/L	12/16/2013 930h	12/18/2013 559h	E200.8	0.0200	< 0.0200	
Potassium	mg/L	12/16/2013 930h	12/20/2013 1439h	E200.7	5.00	**21.7**	
Selenium	mg/L	12/16/2013 930h	12/18/2013 559h	E200.8	0.00500	**0.0299**	
Silver	mg/L	12/16/2013 930h	12/18/2013 559h	E200.8	0.0100	< 0.0100	
Sodium	mg/L	12/16/2013 930h	12/20/2013 1349h	E200.7	50.0	**722**	
Thallium	mg/L	12/16/2013 930h	12/18/2013 1623h	E200.8	0.000500	**0.000991**	
Tin	mg/L	12/16/2013 930h	12/18/2013 1801h	E200.8	0.100	< 0.100	
Uranium	mg/L	12/16/2013 930h	12/18/2013 756h	E200.8	0.000300	**0.0342**	
Vanadium	mg/L	12/16/2013 930h	12/19/2013 1804h	E200.7	0.0150	< 0.0150	
Zinc	mg/L	12/16/2013 930h	12/18/2013 559h	E200.8	0.0100	**0.0182**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-007
Client Sample ID: MW-70_12112013
Collection Date: 12/11/2013 800h
Received Date: 12/13/2013 1310h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Ammonia (as N)	mg/L	12/18/2013 1335h	12/19/2013 1350h	E350.1	0.0500	< 0.0500	
Bicarbonate (as CaCO3)	mg/L		12/16/2013 714h	SM2320B	1.00	**319**	
Carbonate (as CaCO3)	mg/L		12/16/2013 714h	SM2320B	1.00	< 1.00	
Chloride	mg/L		12/14/2013 407h	E300.0	10.0	**61.8**	
Fluoride	mg/L		12/17/2013 230h	E300.0	0.100	**1.13**	
Ion Balance	%		12/23/2013 810h	Calc.	-15.0	**-6.36**	
Nitrate/Nitrite (as N)	mg/L		12/18/2013 1720h	E353.2	0.100	**1.24**	
Sulfate	mg/L		12/14/2013 037h	E300.0	500	**3,430**	
Total Anions, Measured	meq/L		12/23/2013 810h	Calc.		**79.5**	
Total Cations, Measured	meq/L		12/23/2013 810h	Calc.		**70.0**	
Total Dissolved Solids	mg/L		12/13/2013 1500h	SM2540C	20.0	**6,140**	
Total Dissolved Solids Ratio, Measured/Calculated			12/23/2013 810h	Calc.		**1.22**	
Total Dissolved Solids, Calculated	mg/L		12/23/2013 810h	Calc.		**5,050**	

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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-007A
Client Sample ID: MW-70_12112013
Collection Date: 12/11/2013 800h
Received Date: 12/13/2013 1310h
Test Code: 8260-W

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

Analyzed: 12/13/2013 2139h
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	**3.67**	
Toluene	108-88-3	1.00	< 1.00	
Xylenes, Total	1330-20-7	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.6	50.00	107	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	51.7	50.00	103	80-128	
Surr: Dibromofluoromethane	1868-53-7	49.7	50.00	99.3	80-124	
Surr: Toluene-d8	2037-26-5	50.6	50.00	101	77-129	

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

Certificate of Analysis

Report Date: January 2, 2014

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

Client Sample ID: MW-70_12112013
Sample ID: 339269007
Matrix: Ground Water
Collect Date: 11-DEC-13 08:00
Receive Date: 13-DEC-13
Collector: Client

Project: DNMI00100
Client ID: DNMI001

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.238	0.976	1.00	pCi/L		KDF1	12/21/13	1633	1352658	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"			97.0	(25%-125%)

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

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

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1311470-013A
Client Sample ID: Trip Blank
Collection Date: 11/18/2013
Received Date: 11/22/2013 0930h Test Code: 8260-W

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

Analyzed: 11/22/2013 1455h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	60.3	50.00	121	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	48.1	50.00	96.2	80-128	
Surr: Dibromofluoromethane	1868-53-7	54.2	50.00	108	80-124	
Surr: Toluene-d8	2037-26-5	45.9	50.00	91.8	77-129	

American West ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, UT 84115
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web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Sample ID: 1312162-008A
Client Sample ID: Trip Blank
Collection Date: 12/3/2013
Received Date: 12/9/2013 1000h

Test Code: 8260-W

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

Analyzed: 12/9/2013 2000h
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	50.0	50.00	99.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	47.8	50.00	95.6	80-124	
Surr: Toluene-d8	2037-26-5	49.3	50.00	98.6	77-129	

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312280-008A
Client Sample ID: Trip Blank
Collection Date: 12/9/2013
Received Date: 12/13/2013 1310h
Test Code: 8260-W

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

Analyzed: 12/13/2013 2158h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.9	50.00	108	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.5	50.00	105	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.3	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	50.3	50.00	101	77-129	

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463 West 3600 South
Salt Lake City, UT 84115
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web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Sample ID: 1312464-004A
Client Sample ID: Trip Blank
Collection Date: 12/18/2013
Received Date: 12/23/2013 1250h Test Code: 8260-W

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

Analyzed: 12/23/2013 1608h
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	49.6	50.00	99.2	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.2	50.00	100	80-124	
Surr: Toluene-d8	2037-26-5	48.0	50.00	96.0	77-129	

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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: (435) 678-2221

RE: 4th Quarter Ground Water 2013

Dear Garrin Palmer: Lab Set ID: 1311470

American West Analytical Laboratories received 13 sample(s) on 11/22/2013 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, 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=Quality Assurance Officer, email=jose@awal-labs.com, c=US
Date: 2013.12.05 17:03:12 -07'00'

Laboratory Director or designee

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SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Set ID: 1311470
Date Received: 11/22/2013 0930h

463 West 3600 South
Salt Lake City, UT 84115

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
1311470-001A	MW-11_11192013	11/19/2013 1130h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311470-001B	MW-11_11192013	11/19/2013 1130h	Aqueous	Anions, E300.0
1311470-001B	MW-11_11192013	11/19/2013 1130h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1311470-001C	MW-11_11192013	11/19/2013 1130h	Aqueous	Total Dissolved Solids, A2540C
1311470-001D	MW-11_11192013	11/19/2013 1130h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311470-001D	MW-11_11192013	11/19/2013 1130h	Aqueous	Ammonia, Aqueous
1311470-001E	MW-11_11192013	11/19/2013 1130h	Aqueous	ICP Metals, Dissolved
1311470-001E	MW-11_11192013	11/19/2013 1130h	Aqueous	ICPMS Metals, Dissolved
1311470-001E	MW-11_11192013	11/19/2013 1130h	Aqueous	Mercury, Drinking Water Dissolved
1311470-001E	MW-11_11192013	11/19/2013 1130h	Aqueous	Ion Balance
1311470-002A	MW-14_11202013	11/20/2013 0915h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311470-002B	MW-14_11202013	11/20/2013 0915h	Aqueous	Anions, E300.0
1311470-002B	MW-14_11202013	11/20/2013 0915h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1311470-002C	MW-14_11202013	11/20/2013 0915h	Aqueous	Total Dissolved Solids, A2540C
1311470-002D	MW-14_11202013	11/20/2013 0915h	Aqueous	Ammonia, Aqueous
1311470-002D	MW-14_11202013	11/20/2013 0915h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311470-002E	MW-14_11202013	11/20/2013 0915h	Aqueous	ICPMS Metals, Dissolved
1311470-002E	MW-14_11202013	11/20/2013 0915h	Aqueous	Mercury, Drinking Water Dissolved
1311470-002E	MW-14_11202013	11/20/2013 0915h	Aqueous	Ion Balance
1311470-002E	MW-14_11202013	11/20/2013 0915h	Aqueous	ICP Metals, Dissolved
1311470-003A	MW-15_11202013	11/20/2013 1240h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311470-003B	MW-15_11202013	11/20/2013 1240h	Aqueous	Anions, E300.0
1311470-003B	MW-15_11202013	11/20/2013 1240h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1311470-003C	MW-15_11202013	11/20/2013 1240h	Aqueous	Total Dissolved Solids, A2540C
1311470-003D	MW-15_11202013	11/20/2013 1240h	Aqueous	Ammonia, Aqueous
1311470-003D	MW-15_11202013	11/20/2013 1240h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311470-003E	MW-15_11202013	11/20/2013 1240h	Aqueous	Ion Balance
1311470-003E	MW-15_11202013	11/20/2013 1240h	Aqueous	ICP Metals, Dissolved
1311470-003E	MW-15_11202013	11/20/2013 1240h	Aqueous	ICPMS Metals, Dissolved

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Set ID: 1311470
Date Received: 11/22/2013 0930h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1311470-003E	MW-15_11202013	11/20/2013 1240h	Aqueous	Mercury, Drinking Water Dissolved
1311470-004A	MW-25_11192013	11/19/2013 1115h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311470-004B	MW-25_11192013	11/19/2013 1115h	Aqueous	Anions, E300.0
1311470-004B	MW-25_11192013	11/19/2013 1115h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1311470-004C	MW-25_11192013	11/19/2013 1115h	Aqueous	Total Dissolved Solids, A2540C
1311470-004D	MW-25_11192013	11/19/2013 1115h	Aqueous	Ammonia, Aqueous
1311470-004D	MW-25_11192013	11/19/2013 1115h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311470-004E	MW-25_11192013	11/19/2013 1115h	Aqueous	ICP Metals, Dissolved
1311470-004E	MW-25_11192013	11/19/2013 1115h	Aqueous	ICPMS Metals, Dissolved
1311470-004E	MW-25_11192013	11/19/2013 1115h	Aqueous	Mercury, Drinking Water Dissolved
1311470-004E	MW-25_11192013	11/19/2013 1115h	Aqueous	Ion Balance
1311470-005A	MW-26_11202013	11/20/2013 1500h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311470-005B	MW-26_11202013	11/20/2013 1500h	Aqueous	Anions, E300.0
1311470-005B	MW-26_11202013	11/20/2013 1500h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1311470-005C	MW-26_11202013	11/20/2013 1500h	Aqueous	Total Dissolved Solids, A2540C
1311470-005D	MW-26_11202013	11/20/2013 1500h	Aqueous	Ammonia, Aqueous
1311470-005D	MW-26_11202013	11/20/2013 1500h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311470-005E	MW-26_11202013	11/20/2013 1500h	Aqueous	ICPMS Metals, Dissolved
1311470-005E	MW-26_11202013	11/20/2013 1500h	Aqueous	Mercury, Drinking Water Dissolved
1311470-005E	MW-26_11202013	11/20/2013 1500h	Aqueous	Ion Balance
1311470-005E	MW-26_11202013	11/20/2013 1500h	Aqueous	ICP Metals, Dissolved
1311470-006A	MW-29_11202013	11/20/2013 1300h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311470-006B	MW-29_11202013	11/20/2013 1300h	Aqueous	Anions, E300.0
1311470-006B	MW-29_11202013	11/20/2013 1300h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1311470-006C	MW-29_11202013	11/20/2013 1300h	Aqueous	Total Dissolved Solids, A2540C
1311470-006D	MW-29_11202013	11/20/2013 1300h	Aqueous	Ammonia, Aqueous
1311470-006D	MW-29_11202013	11/20/2013 1300h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311470-006E	MW-29_11202013	11/20/2013 1300h	Aqueous	Ion Balance
1311470-006E	MW-29_11202013	11/20/2013 1300h	Aqueous	ICP Metals, Dissolved
1311470-006E	MW-29_11202013	11/20/2013 1300h	Aqueous	ICPMS Metals, Dissolved

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Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Set ID: 1311470
Date Received: 11/22/2013 0930h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1311470-006E	MW-29_11202013	11/20/2013 1300h	Aqueous	Mercury, Drinking Water Dissolved
1311470-007A	MW-30_11202013	11/20/2013 1005h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311470-007B	MW-30_11202013	11/20/2013 1005h	Aqueous	Anions, E300.0
1311470-007B	MW-30_11202013	11/20/2013 1005h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1311470-007C	MW-30_11202013	11/20/2013 1005h	Aqueous	Total Dissolved Solids, A2540C
1311470-007D	MW-30_11202013	11/20/2013 1005h	Aqueous	Ammonia, Aqueous
1311470-007D	MW-30_11202013	11/20/2013 1005h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311470-007E	MW-30_11202013	11/20/2013 1005h	Aqueous	ICP Metals, Dissolved
1311470-007E	MW-30_11202013	11/20/2013 1005h	Aqueous	ICPMS Metals, Dissolved
1311470-007E	MW-30_11202013	11/20/2013 1005h	Aqueous	Mercury, Drinking Water Dissolved
1311470-007E	MW-30_11202013	11/20/2013 1005h	Aqueous	Ion Balance
1311470-008A	MW-31_11182013	11/18/2013 1515h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311470-008B	MW-31_11182013	11/18/2013 1515h	Aqueous	Anions, E300.0
1311470-008B	MW-31_11182013	11/18/2013 1515h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1311470-008C	MW-31_11182013	11/18/2013 1515h	Aqueous	Total Dissolved Solids, A2540C
1311470-008D	MW-31_11182013	11/18/2013 1515h	Aqueous	Ammonia, Aqueous
1311470-008D	MW-31_11182013	11/18/2013 1515h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311470-008E	MW-31_11182013	11/18/2013 1515h	Aqueous	ICPMS Metals, Dissolved
1311470-008E	MW-31_11182013	11/18/2013 1515h	Aqueous	Mercury, Drinking Water Dissolved
1311470-008E	MW-31_11182013	11/18/2013 1515h	Aqueous	Ion Balance
1311470-008E	MW-31_11182013	11/18/2013 1515h	Aqueous	ICP Metals, Dissolved
1311470-009A	MW-32_11182013	11/18/2013 1435h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311470-009B	MW-32_11182013	11/18/2013 1435h	Aqueous	Anions, E300.0
1311470-009B	MW-32_11182013	11/18/2013 1435h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1311470-009C	MW-32_11182013	11/18/2013 1435h	Aqueous	Total Dissolved Solids, A2540C
1311470-009D	MW-32_11182013	11/18/2013 1435h	Aqueous	Ammonia, Aqueous
1311470-009D	MW-32_11182013	11/18/2013 1435h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311470-009E	MW-32_11182013	11/18/2013 1435h	Aqueous	Ion Balance
1311470-009E	MW-32_11182013	11/18/2013 1435h	Aqueous	ICP Metals, Dissolved
1311470-009E	MW-32_11182013	11/18/2013 1435h	Aqueous	ICPMS Metals, Dissolved

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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
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Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Set ID: 1311470
Date Received: 11/22/2013 0930h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1311470-009E	MW-32_11182013	11/18/2013 1435h	Aqueous	Mercury, Drinking Water Dissolved
1311470-010A	MW-35_11192013	11/19/2013 1455h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311470-010B	MW-35_11192013	11/19/2013 1455h	Aqueous	Anions, E300.0
1311470-010B	MW-35_11192013	11/19/2013 1455h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1311470-010C	MW-35_11192013	11/19/2013 1455h	Aqueous	Total Dissolved Solids, A2540C
1311470-010D	MW-35_11192013	11/19/2013 1455h	Aqueous	Ammonia, Aqueous
1311470-010D	MW-35_11192013	11/19/2013 1455h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311470-010E	MW-35_11192013	11/19/2013 1455h	Aqueous	ICP Metals, Dissolved
1311470-010E	MW-35_11192013	11/19/2013 1455h	Aqueous	ICPMS Metals, Dissolved
1311470-010E	MW-35_11192013	11/19/2013 1455h	Aqueous	Mercury, Drinking Water Dissolved
1311470-010E	MW-35_11192013	11/19/2013 1455h	Aqueous	Ion Balance
1311470-011A	MW-36_11202013	11/20/2013 1410h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311470-011B	MW-36_11202013	11/20/2013 1410h	Aqueous	Anions, E300.0
1311470-011B	MW-36_11202013	11/20/2013 1410h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1311470-011C	MW-36_11202013	11/20/2013 1410h	Aqueous	Total Dissolved Solids, A2540C
1311470-011D	MW-36_11202013	11/20/2013 1410h	Aqueous	Ammonia, Aqueous
1311470-011D	MW-36_11202013	11/20/2013 1410h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311470-011E	MW-36_11202013	11/20/2013 1410h	Aqueous	ICP Metals, Dissolved
1311470-011E	MW-36_11202013	11/20/2013 1410h	Aqueous	ICPMS Metals, Dissolved
1311470-011E	MW-36_11202013	11/20/2013 1410h	Aqueous	Mercury, Drinking Water Dissolved
1311470-011E	MW-36_11202013	11/20/2013 1410h	Aqueous	Ion Balance
1311470-012A	MW-65_11202013	11/20/2013 1410h	Aqueous	VOA by GC/MS Method 8260C/5030C
1311470-012B	MW-65_11202013	11/20/2013 1410h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1311470-012B	MW-65_11202013	11/20/2013 1410h	Aqueous	Anions, E300.0
1311470-012C	MW-65_11202013	11/20/2013 1410h	Aqueous	Total Dissolved Solids, A2540C
1311470-012D	MW-65_11202013	11/20/2013 1410h	Aqueous	Nitrite/Nitrate (as N), E353.2
1311470-012D	MW-65_11202013	11/20/2013 1410h	Aqueous	Ammonia, Aqueous
1311470-012E	MW-65_11202013	11/20/2013 1410h	Aqueous	ICP Metals, Dissolved
1311470-012E	MW-65_11202013	11/20/2013 1410h	Aqueous	ICPMS Metals, Dissolved
1311470-012E	MW-65_11202013	11/20/2013 1410h	Aqueous	Mercury, Drinking Water Dissolved

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Salt Lake City, UT 84115

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Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Set ID: 1311470
Date Received: 11/22/2013 0930h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1311470-012E	MW-65_11202013	11/20/2013 1410h	Aqueous	Ion Balance
1311470-013A	Trip Blank	11/18/2013	Aqueous	VOA by GC/MS Method 8260C/5030C

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Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Set ID: 1311470

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt: 11/22/2013
Date(s) of Collection: 11/18 - 11/20/2013
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
1311470-001E	Sodium	MSD	High analyte concentrations
1311470-007D	Ammonia	MS/MSD	Sample matrix interference
1311470-012E	Multiple Analytes	RPD	Suspected sample non-homogeneity or matrix interference
1311470-012E	Calcium	MS/MSD	High analyte concentrations
1311470-012E	Magnesium	MS/MSD	High analyte concentrations
1311470-012E	Selenium	MS	Sample matrix interference
1311470-012E	Sodium	MS/MSD	High analyte concentrations

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

Corrective Action: None required.

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Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Ground Water 2013
Lab Set ID:	1311470

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	11/22/2013
Date(s) of Collection:	11/18 - 11/20/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Multiple target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exception: The MS percent recovery on tetrahydrofuran for sample 1311470-001A was outside of control limits due to sample matrix interference.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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-29046	Date Analyzed:	12/02/2013 1124h											
Test Code: 200.7-DIS	Date Prepared:	11/22/2013 1210h											
Calcium	9.27	mg/L	E200.7	0.0227	1.00	10.00	0	92.7	85 - 115				
Magnesium	9.22	mg/L	E200.7	0.102	1.00	10.00	0	92.2	85 - 115				
Potassium	9.61	mg/L	E200.7	0.203	1.00	10.00	0	96.1	85 - 115				
Sodium	9.43	mg/L	E200.7	0.0514	1.00	10.00	0	94.3	85 - 115				
Vanadium	0.189	mg/L	E200.7	0.00150	0.00500	0.2000	0	94.5	85 - 115				
Lab Sample ID: LCS-29047	Date Analyzed:	12/02/2013 2113h											
Test Code: 200.8-DIS	Date Prepared:	11/22/2013 1210h											
Thallium	0.179	mg/L	E200.8	0.000222	0.00200	0.2000	0	89.3	85 - 115				
Tin	0.989	mg/L	E200.8	0.000620	0.00200	1.000	0	98.9	85 - 115				
Lab Sample ID: LCS-29047	Date Analyzed:	12/03/2013 1239h											
Test Code: 200.8-DIS	Date Prepared:	11/22/2013 1210h											
Arsenic	0.205	mg/L	E200.8	0.00118	0.00200	0.2000	0	102	85 - 115				
Beryllium	0.210	mg/L	E200.8	0.0000698	0.00200	0.2000	0	105	85 - 115				
Cadmium	0.207	mg/L	E200.8	0.0000726	0.000500	0.2000	0	104	85 - 115				
Chromium	0.201	mg/L	E200.8	0.000938	0.00200	0.2000	0	100	85 - 115				
Cobalt	0.204	mg/L	E200.8	0.00364	0.00400	0.2000	0	102	85 - 115				
Copper	0.204	mg/L	E200.8	0.00152	0.00200	0.2000	0	102	85 - 115				
Iron	1.02	mg/L	E200.8	0.0472	0.100	1.000	0	102	85 - 115				
Lead	0.209	mg/L	E200.8	0.00126	0.00200	0.2000	0	104	85 - 115				
Manganese	0.201	mg/L	E200.8	0.00166	0.00200	0.2000	0	101	85 - 115				
Molybdenum	0.215	mg/L	E200.8	0.000496	0.00200	0.2000	0	107	85 - 115				
Nickel	0.203	mg/L	E200.8	0.000898	0.00200	0.2000	0	101	85 - 115				
Selenium	0.198	mg/L	E200.8	0.000686	0.00200	0.2000	0	99.1	85 - 115				
Silver	0.202	mg/L	E200.8	0.000101	0.00200	0.2000	0	101	85 - 115				
Uranium	0.200	mg/L	E200.8	0.0000598	0.00200	0.2000	0	99.9	85 - 115				
Zinc	1.00	mg/L	E200.8	0.00368	0.00500	1.000	0	100	85 - 115				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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-29093**	Date Analyzed:	12/02/2013 0758h											
Test Code:	Hg-DW-DIS-245.1	Date Prepared:	11/25/2013 1630h											
Mercury		0.00337	mg/L	E245.1	0.0000175	0.000150	0.003330	0	101	85 - 115				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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-29046**	Date Analyzed:	12/02/2013 1119h											
Test Code:	200.7-DIS	Date Prepared:	11/22/2013 1210h											
Calcium		< 1.00	mg/L	E200.7	0.0227	1.00								
Magnesium		< 1.00	mg/L	E200.7	0.102	1.00								
Potassium		< 1.00	mg/L	E200.7	0.203	1.00								
Sodium		< 1.00	mg/L	E200.7	0.0514	1.00								
Vanadium		< 0.0150	mg/L	E200.7	0.00150	0.0150								
Lab Sample ID:	**MB-29047**	Date Analyzed:	12/02/2013 2103h											
Test Code:	200.8-DIS	Date Prepared:	11/22/2013 1210h											
Thallium		< 0.000500	mg/L	E200.8	0.0000555	0.000500								
Lab Sample ID:	**MB-29047**	Date Analyzed:	12/03/2013 0045h											
Test Code:	200.8-DIS	Date Prepared:	11/22/2013 1210h											
Tin		< 0.100	mg/L	E200.8	0.000620	0.100								
Lab Sample ID:	**MB-29047**	Date Analyzed:	12/03/2013 1234h											
Test Code:	200.8-DIS	Date Prepared:	11/22/2013 1210h											
Arsenic		< 0.00500	mg/L	E200.8	0.00118	0.00500								
Cadmium		< 0.000500	mg/L	E200.8	0.0000726	0.000500								
Chromium		< 0.0250	mg/L	E200.8	0.000938	0.0250								
Cobalt		< 0.0100	mg/L	E200.8	0.00364	0.0100								
Copper		< 0.0100	mg/L	E200.8	0.00152	0.0100								
Manganese		< 0.0100	mg/L	E200.8	0.00166	0.0100								
Molybdenum		< 0.0100	mg/L	E200.8	0.000496	0.0100								
Nickel		< 0.0200	mg/L	E200.8	0.000898	0.0200								
Selenium		< 0.00500	mg/L	E200.8	0.000686	0.00500								
Silver		< 0.0100	mg/L	E200.8	0.000101	0.0100								
Zinc		< 0.0100	mg/L	E200.8	0.00368	0.0100								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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-29047**	Date Analyzed:	12/03/2013 1454h											
Test Code:	200.8-DIS	Date Prepared:	11/22/2013 1210h											
Beryllium		< 0.000500	mg/L	E200.8	0.0000174	0.000500								
Iron		< 0.0300	mg/L	E200.8	0.0118	0.0300								
Lead		< 0.00100	mg/L	E200.8	0.000316	0.00100								
Lab Sample ID:	**MB-29047**	Date Analyzed:	12/03/2013 1636h											
Test Code:	200.8-DIS	Date Prepared:	11/22/2013 1210h											
Uranium		< 0.000300	mg/L	E200.8	0.00000598	0.000300								
Lab Sample ID:	**MB-29093**	Date Analyzed:	12/02/2013 0757h											
Test Code:	Hg-DW-DIS-245.1	Date Prepared:	11/25/2013 1630h											
Mercury		< 0.000150	mg/L	E245.1	0.0000175	0.000150								

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Salt Lake City, UT 84115
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: 1311470
Project: 4th Quarter Ground Water 2013

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: 1311470-001EMS	Date Analyzed:	12/02/2013 1140h											
Test Code: 200.7-DIS	Date Prepared:	11/22/2013 1210h											
Sodium	556	mg/L	E200.7	2.57	50.0	10.00	547	85.1	70 - 130				
Lab Sample ID: 1311470-012EMS	Date Analyzed:	12/02/2013 1248h											
Test Code: 200.7-DIS	Date Prepared:	11/22/2013 1210h											
Calcium	423	mg/L	E200.7	1.14	50.0	10.00	422	9.93	70 - 130				2
Magnesium	136	mg/L	E200.7	5.10	50.0	10.00	131	47.4	70 - 130				2
Sodium	664	mg/L	E200.7	2.57	50.0	10.00	665	-15.6	70 - 130				2
Lab Sample ID: 1311470-001EMS	Date Analyzed:	12/02/2013 1451h											
Test Code: 200.7-DIS	Date Prepared:	11/22/2013 1210h											
Calcium	77.9	mg/L	E200.7	0.114	5.00	10.00	69.5	84.1	70 - 130				
Magnesium	29.8	mg/L	E200.7	0.510	5.00	10.00	21.2	85.6	70 - 130				
Potassium	15.4	mg/L	E200.7	1.02	5.00	10.00	6.32	90.6	70 - 130				
Lab Sample ID: 1311470-012EMS	Date Analyzed:	12/02/2013 1556h											
Test Code: 200.7-DIS	Date Prepared:	11/22/2013 1210h											
Potassium	17.4	mg/L	E200.7	1.02	5.00	10.00	9.45	79.6	70 - 130				
Lab Sample ID: 1311470-001EMS	Date Analyzed:	12/03/2013 0907h											
Test Code: 200.7-DIS	Date Prepared:	11/22/2013 1210h											
Vanadium	0.189	mg/L	E200.7	0.00150	0.00500	0.2000	0	94.7	70 - 130				
Lab Sample ID: 1311470-012EMS	Date Analyzed:	12/03/2013 0919h											
Test Code: 200.7-DIS	Date Prepared:	11/22/2013 1210h											
Vanadium	0.187	mg/L	E200.7	0.00150	0.00500	0.2000	0	93.4	70 - 130				
Lab Sample ID: 1311470-001EMS	Date Analyzed:	12/02/2013 2133h											
Test Code: 200.8-DIS	Date Prepared:	11/22/2013 1210h											
Thallium	0.168	mg/L	E200.8	0.000222	0.00200	0.2000	0.000107	84.0	75 - 125				
Tin	1.01	mg/L	E200.8	0.000620	0.00200	1.000	0	101	75 - 125				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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: 1311470-012EMS	Date Analyzed:	12/03/2013 0025h											
Test Code: 200.8-DIS	Date Prepared:	11/22/2013 1210h											
Thallium	0.157	mg/L	E200.8	0.000222	0.00200	0.2000	0.000583	78.2	75 - 125				
Tin	0.994	mg/L	E200.8	0.000620	0.00200	1.000	0	99.4	75 - 125				
Lab Sample ID: 1311470-001EMS	Date Analyzed:	12/03/2013 1250h											
Test Code: 200.8-DIS	Date Prepared:	11/22/2013 1210h											
Arsenic	0.197	mg/L	E200.8	0.00118	0.00200	0.2000	0	98.4	75 - 125				
Beryllium	0.211	mg/L	E200.8	0.0000698	0.00200	0.2000	0	105	75 - 125				
Cadmium	0.197	mg/L	E200.8	0.0000726	0.000500	0.2000	0	98.3	75 - 125				
Chromium	0.197	mg/L	E200.8	0.000938	0.00200	0.2000	0.00188	97.5	75 - 125				
Cobalt	0.197	mg/L	E200.8	0.00364	0.00400	0.2000	0	98.4	75 - 125				
Copper	0.198	mg/L	E200.8	0.00152	0.00200	0.2000	0	99.1	75 - 125				
Iron	1.16	mg/L	E200.8	0.0472	0.100	1.000	0.216	94.5	75 - 125				
Lead	0.204	mg/L	E200.8	0.00126	0.00200	0.2000	0	102	75 - 125				
Manganese	0.352	mg/L	E200.8	0.00166	0.00200	0.2000	0.152	100	75 - 125				
Molybdenum	0.212	mg/L	E200.8	0.000496	0.00200	0.2000	0.00326	104	75 - 125				
Nickel	0.195	mg/L	E200.8	0.000898	0.00200	0.2000	0.00202	96.6	75 - 125				
Selenium	0.198	mg/L	E200.8	0.000686	0.00200	0.2000	0	99.0	75 - 125				
Silver	0.196	mg/L	E200.8	0.000101	0.00200	0.2000	0	98.1	75 - 125				
Uranium	0.196	mg/L	E200.8	0.0000598	0.00200	0.2000	0.000838	97.6	75 - 125				
Zinc	1.02	mg/L	E200.8	0.00368	0.00500	1.000	0.00402	102	75 - 125				
Lab Sample ID: 1311470-012EMS	Date Analyzed:	12/03/2013 1415h											
Test Code: 200.8-DIS	Date Prepared:	11/22/2013 1210h											
Arsenic	0.239	mg/L	E200.8	0.00118	0.00200	0.2000	0	120	75 - 125				
Beryllium	0.234	mg/L	E200.8	0.0000698	0.00200	0.2000	0	117	75 - 125				
Cadmium	0.225	mg/L	E200.8	0.0000726	0.000500	0.2000	0.000121	113	75 - 125				
Chromium	0.235	mg/L	E200.8	0.000938	0.00200	0.2000	0	118	75 - 125				
Cobalt	0.227	mg/L	E200.8	0.00364	0.00400	0.2000	0	114	75 - 125				
Copper	0.230	mg/L	E200.8	0.00152	0.00200	0.2000	0.0024	114	75 - 125				
Iron	1.17	mg/L	E200.8	0.0472	0.100	1.000	0	117	75 - 125				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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:	**1311470-012EMS**	Date Analyzed:	12/03/2013 1415h											
Test Code:	200.8-DIS	Date Prepared:	11/22/2013 1210h											
Lead		0.219	mg/L	E200.8	0.00126	0.00200	0.2000	0	109	75 - 125				
Manganese		0.229	mg/L	E200.8	0.00166	0.00200	0.2000	0	115	75 - 125				
Molybdenum		0.237	mg/L	E200.8	0.000496	0.00200	0.2000	0.000636	118	75 - 125				
Nickel		0.235	mg/L	E200.8	0.000898	0.00200	0.2000	0.00181	117	75 - 125				
Selenium		0.517	mg/L	E200.8	0.000686	0.00200	0.2000	0.233	142	75 - 125				1
Silver		0.212	mg/L	E200.8	0.000101	0.00200	0.2000	0	106	75 - 125				
Uranium		0.239	mg/L	E200.8	0.0000598	0.00200	0.2000	0.0199	109	75 - 125				
Zinc		1.18	mg/L	E200.8	0.00368	0.00500	1.000	0.0059	118	75 - 125				
Lab Sample ID:	**1311470-001EMS**	Date Analyzed:	12/02/2013 0805h											
Test Code:	Hg-DW-DIS-245.1	Date Prepared:	11/25/2013 1630h											
Mercury		0.00329	mg/L	E245.1	0.0000175	0.000150	0.003330	0	98.8	85 - 115				

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

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

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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:	**1311470-001EMSD**	Date Analyzed:	12/02/2013 1144h											
Test Code:	200.7-DIS	Date Prepared:	11/22/2013 1210h											
Sodium		548	mg/L	E200.7	2.57	50.0	10.00	547	10.4	70 - 130	556	1.35	20	2
Lab Sample ID:	**1311470-012EMSD**	Date Analyzed:	12/02/2013 1252h											
Test Code:	200.7-DIS	Date Prepared:	11/22/2013 1210h											
Calcium		421	mg/L	E200.7	1.14	50.0	10.00	422	-10.1	70 - 130	423	0.475	20	2
Magnesium		136	mg/L	E200.7	5.10	50.0	10.00	131	53.4	70 - 130	136	0.442	20	2
Sodium		654	mg/L	E200.7	2.57	50.0	10.00	665	-110	70 - 130	664	1.44	20	2
Lab Sample ID:	**1311470-001EMSD**	Date Analyzed:	12/02/2013 1455h											
Test Code:	200.7-DIS	Date Prepared:	11/22/2013 1210h											
Calcium		77.3	mg/L	E200.7	0.114	5.00	10.00	69.5	77.9	70 - 130	77.9	0.800	20	
Magnesium		29.4	mg/L	E200.7	0.510	5.00	10.00	21.2	81.9	70 - 130	29.8	1.23	20	
Potassium		15.4	mg/L	E200.7	1.02	5.00	10.00	6.32	91.1	70 - 130	15.4	0.329	20	
Lab Sample ID:	**1311470-012EMSD**	Date Analyzed:	12/02/2013 1600h											
Test Code:	200.7-DIS	Date Prepared:	11/22/2013 1210h											
Potassium		18.0	mg/L	E200.7	1.02	5.00	10.00	9.45	85.6	70 - 130	17.4	3.34	20	
Lab Sample ID:	**1311470-001EMSD**	Date Analyzed:	12/03/2013 0911h											
Test Code:	200.7-DIS	Date Prepared:	11/22/2013 1210h											
Vanadium		0.186	mg/L	E200.7	0.00150	0.00500	0.2000	0	93.1	70 - 130	0.189	1.71	20	
Lab Sample ID:	**1311470-012EMSD**	Date Analyzed:	12/03/2013 0923h											
Test Code:	200.7-DIS	Date Prepared:	11/22/2013 1210h											
Vanadium		0.185	mg/L	E200.7	0.00150	0.00500	0.2000	0	92.7	70 - 130	0.187	0.798	20	
Lab Sample ID:	**1311470-001EMSD**	Date Analyzed:	12/02/2013 2143h											
Test Code:	200.8-DIS	Date Prepared:	11/22/2013 1210h											
Thallium		0.166	mg/L	E200.8	0.000222	0.00200	0.2000	0.000107	83.0	75 - 125	0.168	1.18	20	
Tin		1.00	mg/L	E200.8	0.000620	0.00200	1.000	0	100	75 - 125	1.01	0.965	20	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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: 1311470-012EMSD	Date Analyzed:	12/03/2013 0035h											
Test Code: 200.8-DIS	Date Prepared:	11/22/2013 1210h											
Thallium	0.157	mg/L	E200.8	0.000222	0.00200	0.2000	0.000583	78.1	75 - 125	0.157	0.223	20	
Tin	0.997	mg/L	E200.8	0.000620	0.00200	1.000	0	99.7	75 - 125	0.994	0.348	20	
Lab Sample ID: 1311470-001EMSD	Date Analyzed:	12/03/2013 1255h											
Test Code: 200.8-DIS	Date Prepared:	11/22/2013 1210h											
Arsenic	0.192	mg/L	E200.8	0.00118	0.00200	0.2000	0	96.2	75 - 125	0.197	2.27	20	
Beryllium	0.200	mg/L	E200.8	0.0000698	0.00200	0.2000	0	99.8	75 - 125	0.211	5.35	20	
Cadmium	0.189	mg/L	E200.8	0.0000726	0.000500	0.2000	0	94.4	75 - 125	0.197	4.14	20	
Chromium	0.184	mg/L	E200.8	0.000938	0.00200	0.2000	0.00188	91.0	75 - 125	0.197	6.80	20	
Cobalt	0.186	mg/L	E200.8	0.00364	0.00400	0.2000	0	92.8	75 - 125	0.197	5.88	20	
Copper	0.186	mg/L	E200.8	0.00152	0.00200	0.2000	0	92.9	75 - 125	0.198	6.45	20	
Iron	1.09	mg/L	E200.8	0.0472	0.100	1.000	0.216	87.9	75 - 125	1.16	5.86	20	
Lead	0.191	mg/L	E200.8	0.00126	0.00200	0.2000	0	95.6	75 - 125	0.204	6.34	20	
Manganese	0.336	mg/L	E200.8	0.00166	0.00200	0.2000	0.152	91.9	75 - 125	0.352	4.72	20	
Molybdenum	0.204	mg/L	E200.8	0.000496	0.00200	0.2000	0.00326	100	75 - 125	0.212	3.91	20	
Nickel	0.186	mg/L	E200.8	0.000898	0.00200	0.2000	0.00202	91.9	75 - 125	0.195	4.91	20	
Selenium	0.189	mg/L	E200.8	0.000686	0.00200	0.2000	0	94.3	75 - 125	0.198	4.77	20	
Silver	0.187	mg/L	E200.8	0.000101	0.00200	0.2000	0	93.3	75 - 125	0.196	5.00	20	
Uranium	0.185	mg/L	E200.8	0.0000598	0.00200	0.2000	0.000838	92.1	75 - 125	0.196	5.80	20	
Zinc	0.954	mg/L	E200.8	0.00368	0.00500	1.000	0.00402	95.0	75 - 125	1.02	6.74	20	
Lab Sample ID: 1311470-012EMSD	Date Analyzed:	12/03/2013 1420h											
Test Code: 200.8-DIS	Date Prepared:	11/22/2013 1210h											
Arsenic	0.191	mg/L	E200.8	0.00118	0.00200	0.2000	0	95.4	75 - 125	0.239	22.5	20	@
Beryllium	0.200	mg/L	E200.8	0.0000698	0.00200	0.2000	0	100	75 - 125	0.234	15.5	20	
Cadmium	0.186	mg/L	E200.8	0.0000726	0.000500	0.2000	0.000121	92.8	75 - 125	0.225	19.3	20	
Chromium	0.185	mg/L	E200.8	0.000938	0.00200	0.2000	0	92.3	75 - 125	0.235	24.1	20	@
Cobalt	0.184	mg/L	E200.8	0.00364	0.00400	0.2000	0	92.0	75 - 125	0.227	21.1	20	@
Copper	0.184	mg/L	E200.8	0.00152	0.00200	0.2000	0.0024	90.8	75 - 125	0.23	22.4	20	@
Iron	0.930	mg/L	E200.8	0.0472	0.100	1.000	0	93.0	75 - 125	1.17	23.3	20	@

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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:	**1311470-012EMSD**	Date Analyzed:	12/03/2013 1420h											
Test Code:	200.8-DIS	Date Prepared:	11/22/2013 1210h											
Lead		0.189	mg/L	E200.8	0.00126	0.00200	0.2000	0	94.6	75 - 125	0.219	14.4	20	
Manganese		0.185	mg/L	E200.8	0.00166	0.00200	0.2000	0	92.4	75 - 125	0.229	21.6	20	@
Molybdenum		0.201	mg/L	E200.8	0.000496	0.00200	0.2000	0.000636	100	75 - 125	0.237	16.6	20	
Nickel		0.184	mg/L	E200.8	0.000898	0.00200	0.2000	0.00181	91.2	75 - 125	0.235	24.2	20	@
Selenium		0.419	mg/L	E200.8	0.000686	0.00200	0.2000	0.233	93.0	75 - 125	0.517	20.9	20	@
Silver		0.181	mg/L	E200.8	0.000101	0.00200	0.2000	0	90.6	75 - 125	0.212	15.5	20	
Uranium		0.201	mg/L	E200.8	0.0000598	0.00200	0.2000	0.0199	90.6	75 - 125	0.239	17.2	20	
Zinc		0.954	mg/L	E200.8	0.00368	0.00500	1.000	0.0059	94.8	75 - 125	1.18	21.3	20	@
Lab Sample ID:	**1311470-001EMSD**	Date Analyzed:	12/02/2013 0807h											
Test Code:	Hg-DW-DIS-245.1	Date Prepared:	11/25/2013 1630h											
Mercury		0.00333	mg/L	E245.1	0.0000175	0.000150	0.003330	0	100	85 - 115	0.00329	1.21	20	

@ - High RPD due to suspected sample non-homogeneity or matrix interference.
² - Analyte concentration is too high for accurate matrix spike recovery and/or RPD.

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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: 1311470-001CDUP Date Analyzed: 11/22/2013 1310h Test Code: TDS-W-2540C													
Total Dissolved Solids	1,960	mg/L	SM2540C	8.00	20.0					1980	1.22	5	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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-R62163 Date Analyzed: 11/26/2013 1409h													
Test Code: 300.0-W													
Chloride	4.58	mg/L	E300.0	0.0114	0.100	5.000	0	91.6	90 - 110				
Fluoride	4.96	mg/L	E300.0	0.0126	0.100	5.000	0	99.2	90 - 110				
Sulfate	4.84	mg/L	E300.0	0.177	0.750	5.000	0	96.7	90 - 110				
Lab Sample ID: LCS-R62200 Date Analyzed: 11/27/2013 1501h													
Test Code: 300.0-W													
Sulfate	5.11	mg/L	E300.0	0.177	0.750	5.000	0	102	90 - 110				
Lab Sample ID: LCS-R62101 Date Analyzed: 11/26/2013 1000h													
Test Code: ALK-W-2320B													
Alkalinity (as CaCO3)	51,900	mg/L	SM2320B	4.53	10.0	50,000	0	104	90 - 110				
Lab Sample ID: LCS-29109 Date Analyzed: 11/26/2013 2106h													
Test Code: NH3-W-350.1 Date Prepared: 11/26/2013 1400h													
Ammonia (as N)	0.933	mg/L	E350.1	0.0277	0.0500	1.000	0	93.3	90 - 110				
Lab Sample ID: LCS-R62298 Date Analyzed: 12/04/2013 1020h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.05	mg/L	E353.2	0.00252	0.0100	1.000	0	105	90 - 110				
Lab Sample ID: LCS-R62077 Date Analyzed: 11/22/2013 1310h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	206	mg/L	SM2540C	4.00	10.0	205.0	0	100	80 - 120				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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-R62163	Date Analyzed:	11/26/2013 1302h											
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0114	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0126	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.177	0.750								
Lab Sample ID: MB-R62200	Date Analyzed:	11/27/2013 1439h											
Test Code: 300.0-W													
Sulfate	< 0.750	mg/L	E300.0	0.177	0.750								
Lab Sample ID: MB-R62101	Date Analyzed:	11/26/2013 1000h											
Test Code: ALK-W-2320B													
Bicarbonate (as CaCO3)	< 10.0	mg/L	SM2320B	4.53	10.0								
Carbonate (as CaCO3)	< 10.0	mg/L	SM2320B	4.53	10.0								
Lab Sample ID: MB-29109	Date Analyzed:	11/26/2013 2105h											
Test Code: NH3-W-350.1	Date Prepared:	11/26/2013 1400h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0277	0.0500								
Lab Sample ID: MB-R62298	Date Analyzed:	12/04/2013 1018h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.0100	mg/L	E353.2	0.00252	0.0100								
Lab Sample ID: MB-R62077	Date Analyzed:	11/22/2013 1310h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	4.00	10.0								

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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: 1311470-001BMS Date Analyzed: 11/26/2013 1858h													
Test Code: 300.0-W													
Chloride	23,100	mg/L	E300.0	57.0	500	25,000	47.5	92.0	90 - 110				
Fluoride	24,800	mg/L	E300.0	63.0	500	25,000	0	99.2	90 - 110				
Sulfate	25,300	mg/L	E300.0	885	3,750	25,000	1050	97.0	90 - 110				
Lab Sample ID: 1311470-006BMS Date Analyzed: 11/27/2013 1546h													
Test Code: 300.0-W													
Sulfate	27,200	mg/L	E300.0	885	3,750	25,000	2750	97.7	90 - 110				
Lab Sample ID: 1311470-001BMS Date Analyzed: 11/26/2013 1000h													
Test Code: ALK-W-2320B													
Alkalinity (as CaCO3)	355	mg/L	SM2320B	4.53	10.0	50.00	306	98.4	80 - 120				
Lab Sample ID: 1311470-011BMS Date Analyzed: 11/26/2013 1000h													
Test Code: ALK-W-2320B													
Alkalinity (as CaCO3)	349	mg/L	SM2320B	4.53	10.0	50.00	301	96.8	80 - 120				
Lab Sample ID: 1311470-001DMS Date Analyzed: 11/26/2013 2109h													
Test Code: NH3-W-350.1 Date Prepared: 11/26/2013 1400h													
Ammonia (as N)	1.47	mg/L	E350.1	0.0277	0.0500	1.000	0.567	90.5	90 - 110				
Lab Sample ID: 1311470-007DMS Date Analyzed: 11/26/2013 2122h													
Test Code: NH3-W-350.1 Date Prepared: 11/26/2013 1400h													
Ammonia (as N)	0.873	mg/L	E350.1	0.0277	0.0500	1.000	0	87.3	90 - 110				1
Lab Sample ID: 1311470-002DMS Date Analyzed: 12/04/2013 1024h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.05	mg/L	E353.2	0.00252	0.0100	1.000	0.0623	98.8	90 - 110				
Lab Sample ID: 1311470-011DMS Date Analyzed: 12/04/2013 1043h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.21	mg/L	E353.2	0.00252	0.0100	1.000	0.208	100	90 - 110				

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

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American West ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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: 1311470-001BMSD Date Analyzed: 11/26/2013 1920h Test Code: 300.0-W													
Chloride	23,400	mg/L	E300.0	57.0	500	25,000	47.5	93.2	90 - 110	23100	1.32	20	
Fluoride	25,100	mg/L	E300.0	63.0	500	25,000	0	100	90 - 110	24800	1.31	20	
Sulfate	25,500	mg/L	E300.0	885	3,750	25,000	1050	98.0	90 - 110	25300	1.00	20	
Lab Sample ID: 1311470-006BMSD Date Analyzed: 11/27/2013 1608h Test Code: 300.0-W													
Sulfate	25,900	mg/L	E300.0	885	3,750	25,000	2750	92.5	90 - 110	27200	4.92	20	
Lab Sample ID: 1311470-001BMSD Date Analyzed: 11/26/2013 1000h Test Code: ALK-W-2320B													
Alkalinity (as CaCO3)	357	mg/L	SM2320B	4.53	10.0	50.00	306	102	80 - 120	355	0.505	10	
Lab Sample ID: 1311470-011BMSD Date Analyzed: 11/26/2013 1000h Test Code: ALK-W-2320B													
Alkalinity (as CaCO3)	350	mg/L	SM2320B	4.53	10.0	50.00	301	98.4	80 - 120	349	0.229	10	
Lab Sample ID: 1311470-001DMSD Date Analyzed: 11/26/2013 2110h Test Code: NH3-W-350.1 Date Prepared: 11/26/2013 1400h													
Ammonia (as N)	1.56	mg/L	E350.1	0.0277	0.0500	1.000	0.567	99.1	90 - 110	1.47	5.68	10	
Lab Sample ID: 1311470-007DMSD Date Analyzed: 11/26/2013 2123h Test Code: NH3-W-350.1 Date Prepared: 11/26/2013 1400h													
Ammonia (as N)	0.870	mg/L	E350.1	0.0277	0.0500	1.000	0	87.0	90 - 110	0.873	0.287	10	1
Lab Sample ID: 1311470-002DMSD Date Analyzed: 12/04/2013 1025h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.01	mg/L	E353.2	0.00252	0.0100	1.000	0.0623	94.9	90 - 110	1.05	3.74	10	
Lab Sample ID: 1311470-011DMSD Date Analyzed: 12/04/2013 1045h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.25	mg/L	E353.2	0.00252	0.0100	1.000	0.208	104	90 - 110	1.21	3.16	10	

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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 112213A Date Analyzed: 11/22/2013 0737h													
Test Code: 8260-W													
Benzene	23.4	µg/L	SW8260C	0.149	2.00	20.00	0	117	62 - 127				
Chloroform	24.4	µg/L	SW8260C	0.277	2.00	20.00	0	122	67 - 132				
Methylene chloride	27.9	µg/L	SW8260C	0.155	2.00	20.00	0	140	32 - 185				
Naphthalene	18.1	µg/L	SW8260C	0.547	2.00	20.00	0	90.7	28 - 136				
Tetrahydrofuran	20.0	µg/L	SW8260C	0.874	2.00	20.00	0	100	43 - 146				
Toluene	21.8	µg/L	SW8260C	0.429	2.00	20.00	0	109	64 - 129				
Xylenes, Total	67.5	µg/L	SW8260C	0.870	2.00	60.00	0	113	52 - 134				
Surr: 1,2-Dichloroethane-d4	55.3	µg/L	SW8260C			50.00		111	76 - 138				
Surr: 4-Bromofluorobenzene	49.8	µg/L	SW8260C			50.00		99.7	77 - 121				
Surr: Dibromofluoromethane	53.4	µg/L	SW8260C			50.00		107	67 - 128				
Surr: Toluene-d8	48.3	µg/L	SW8260C			50.00		96.6	81 - 135				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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 112213A Date Analyzed: 11/22/2013 0815h													
Test Code: 8260-W													
2-Butanone	< 20.0	µg/L	SW8260C	1.45	20.0								
Acetone	< 20.0	µg/L	SW8260C	3.35	20.0								
Benzene	< 1.00	µg/L	SW8260C	0.149	1.00								
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.137	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.277	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.127	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.155	1.00								
Naphthalene	< 1.00	µg/L	SW8260C	0.547	1.00								
Tetrahydrofuran	< 1.00	µg/L	SW8260C	0.874	1.00								
Toluene	< 1.00	µg/L	SW8260C	0.429	1.00								
Xylenes, Total	< 1.00	µg/L	SW8260C	0.870	1.00								
Surr: 1,2-Dichloroethane-d4	59.0	µg/L	SW8260C			50.00		118	76 - 138				
Surr: 4-Bromofluorobenzene	50.0	µg/L	SW8260C			50.00		100	77 - 121				
Surr: Dibromofluoromethane	53.9	µg/L	SW8260C			50.00		108	67 - 128				
Surr: Toluene-d8	47.5	µg/L	SW8260C			50.00		95.0	81 - 135				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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: 1311470-001AMS Date Analyzed: 11/22/2013 1553h													
Test Code: 8260-W													
Benzene	24.6	µg/L	SW8260C	0.149	2.00	20.00	0	123	66 - 145				
Chloroform	26.1	µg/L	SW8260C	0.277	2.00	20.00	0	130	50 - 146				
Methylene chloride	29.6	µg/L	SW8260C	0.155	2.00	20.00	0	148	30 - 192				
Naphthalene	18.5	µg/L	SW8260C	0.547	2.00	20.00	0	92.6	41 - 131				
Tetrahydrofuran	30.2	µg/L	SW8260C	0.874	2.00	20.00	0	151	43 - 146				1
Toluene	22.2	µg/L	SW8260C	0.429	2.00	20.00	0	111	18 - 192				
Xylenes, Total	67.6	µg/L	SW8260C	0.870	2.00	60.00	0	113	42 - 167				
Surr: 1,2-Dichloroethane-d4	59.4	µg/L	SW8260C			50.00		119	72 - 151				
Surr: 4-Bromofluorobenzene	46.0	µg/L	SW8260C			50.00		92.1	80 - 128				
Surr: Dibromofluoromethane	54.8	µg/L	SW8260C			50.00		110	80 - 124				
Surr: Toluene-d8	45.8	µg/L	SW8260C			50.00		91.6	77 - 129				

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

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1311470
Project: 4th Quarter Ground Water 2013

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: 1311470-001AMSD Date Analyzed: 11/22/2013 1612h Test Code: 8260-W													
Benzene	22.2	µg/L	SW8260C	0.149	2.00	20.00	0	111	66 - 145	24.6	10.2	25	
Chloroform	23.4	µg/L	SW8260C	0.277	2.00	20.00	0	117	50 - 146	26.1	10.7	25	
Methylene chloride	26.8	µg/L	SW8260C	0.155	2.00	20.00	0	134	30 - 192	29.7	9.95	25	
Naphthalene	16.8	µg/L	SW8260C	0.547	2.00	20.00	0	84.2	41 - 131	18.5	9.62	25	
Tetrahydrofuran	24.7	µg/L	SW8260C	0.874	2.00	20.00	0	124	43 - 146	30.2	19.8	25	
Toluene	20.1	µg/L	SW8260C	0.429	2.00	20.00	0	100	18 - 192	22.2	10.2	25	
Xylenes, Total	61.0	µg/L	SW8260C	0.870	2.00	60.00	0	102	42 - 167	67.6	10.4	25	
Surr: 1,2-Dichloroethane-d4	58.7	µg/L	SW8260C			50.00		117	72 - 151				
Surr: 4-Bromofluorobenzene	45.9	µg/L	SW8260C			50.00		91.9	80 - 128				
Surr: Dibromofluoromethane	54.1	µg/L	SW8260C			50.00		108	80 - 124				
Surr: Toluene-d8	45.6	µg/L	SW8260C			50.00		91.1	77 - 129				

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UL
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WORK ORDER Summary

Work Order: **1311470**

Client: Energy Fuels Resources, Inc. Due Date: 12/5/2013

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **4th Quarter Ground Water 2013** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Project specific DL's: see COC. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Samples for metals were field filtered.; DB

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1311470-001A	**MW-11_11192013**	11/19/2013 1130h	11/22/2013 0930h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1311470-001B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1311470-001C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1311470-001D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1311470-001E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1311470-002A	**MW-14_11202013**	11/20/2013 0915h	11/22/2013 0930h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1311470-002B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1311470-002C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				

Printed: 11/22/2013 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☑ RT ☑ CN ☑ TAT ☑ QC ☐ HOK ☑ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1311470**

Client: Energy Fuels Resources, Inc. Due Date: 12/5/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1311470-002D	**MW-14_11202013**	11/20/2013 0915h	11/22/2013 0930h	**NH3-W-350.1**	Aqueous	☑	df - no2/no3 & nh3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1311470-002E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1311470-003A	**MW-15_11202013**	11/20/2013 1240h	11/22/2013 0930h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1311470-003B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1311470-003C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1311470-003D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1311470-003E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	

WORK ORDER Summary

Work Order: **1311470**

Client: Energy Fuels Resources, Inc. Due Date: 12/5/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1311470-003E	**MW-15_11202013**	11/20/2013 1240h	11/22/2013 0930h	**IONBALANCE**	Aqueous	☑	df-met	1
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1311470-004A	**MW-25_11192013**	11/19/2013 1115h	11/22/2013 0930h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1311470-004B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1311470-004C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1311470-004D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1311470-004E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1311470-005A	**MW-26_11202013**	11/20/2013 1500h	11/22/2013 0930h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1311470-005B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1311470-005C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1311470-005D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				

WORK ORDER Summary

Work Order: **1311470**

Client: Energy Fuels Resources, Inc. Due Date: 12/5/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1311470-005E	**MW-26_11202013**	11/20/2013 1500h	11/22/2013 0930h	**200.7-DIS**	Aqueous	☑	df-met	1
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1311470-006A	**MW-29_11202013**	11/20/2013 1300h	11/22/2013 0930h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1311470-006B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1311470-006C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1311470-006D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1311470-006E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1311470-007A	**MW-30_11202013**	11/20/2013 1005h	11/22/2013 0930h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				

WORK ORDER Summary

Work Order: **1311470**

Client: Energy Fuels Resources, Inc. Due Date: 12/5/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1311470-007B	**MW-30_11202013**	11/20/2013 1005h	11/22/2013 0930h	**300.0-W**	Aqueous	☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1311470-007C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1311470-007D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1311470-007E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1311470-008A	**MW-31_11182013**	11/18/2013 1515h	11/22/2013 0930h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1311470-008B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1311470-008C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1311470-008D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1311470-008E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	

WORK ORDER Summary

Work Order: **1311470**

Client: Energy Fuels Resources, Inc. Due Date: 12/5/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1311470-008E	**MW-31_11182013**	11/18/2013 1515h	11/22/2013 0930h	**200.8-DIS**	Aqueous	☑	df-met	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-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1311470-009A	**MW-32_11182013**	11/18/2013 1435h	11/22/2013 0930h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1311470-009B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1311470-009C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1311470-009D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1311470-009E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1311470-010A	**MW-35_11192013**	11/19/2013 1455h	11/22/2013 0930h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1311470-010B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				

WORK ORDER Summary

Work Order: **1311470**

Client: Energy Fuels Resources, Inc. Due Date: 12/5/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1311470-010C	**MW-35_11192013**	11/19/2013 1455h	11/22/2013 0930h	**TDS-W-2540C**	Aqueous	☑	ww - tds	1
				1 SEL Analytes: TDS				
1311470-010D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1311470-010E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1311470-011A	**MW-36_11202013**	11/20/2013 1410h	11/22/2013 0930h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1311470-011B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1311470-011C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1311470-011D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1311470-011E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				

WORK ORDER Summary

Work Order: **1311470**

Client: Energy Fuels Resources, Inc. Due Date: 12/5/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1311470-011E	**MW-36_11202013**	11/20/2013 1410h	11/22/2013 0930h	**HG-DW-DIS-PR**	Aqueous	☑	df-met	1
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1311470-012A	**MW-65_11202013**	11/20/2013 1410h	11/22/2013 0930h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1311470-012B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1311470-012C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1311470-012D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1311470-012E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1311470-013A	**Trip Blank**	11/18/2013	11/22/2013 0930h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				

American West Analytical Laboratories

463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

13U470
AWAL Lab Sample Set #
Page 1 of 2

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Garrin Palmer**
Phone #: **(435) 678-2221** Cell #:
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: **4th Quarter Ground Water 2013**
Project #:
PO #:
Sampler Name: **Garrin Palmer, Tanner Holliday**

X Include EDD:
LOCUS UPLOAD
EXCEL
X Field Filtered For:
Dissolved Metals

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

Laboratory Use Only

Samples Were: Fed Ex
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 0.5 °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

	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_11192013	11/19/2013	1130	7	w	x	x	x	x	x	x	x	x	x	x	
2	MW-14_11202013	11/20/2013	915	7	w	x	x	x	x	x	x	x	x	x	x	
3	MW-15_11202013	11/20/2013	1240	7	w	x	x	x	x	x	x	x	x	x	x	
4	MW-25_11192013	11/19/2013	1115	7	w	x	x	x	x	x	x	x	x	x	x	
5	MW-26_11202013	11/20/2013	1500	7	w	x	x	x	x	x	x	x	x	x	x	
6	MW-29_11202013	11/20/2013	1300	7	w	x	x	x	x	x	x	x	x	x	x	
7	MW-30_11202013	11/20/2013	1005	7	w	x	x	x	x	x	x	x	x	x	x	
8	MW-31_11182013	11/18/2013	1515	7	w	x	x	x	x	x	x	x	x	x	x	
9	MW-32_11182013	11/18/2013	1435	7	w	x	x	x	x	x	x	x	x	x	x	
10	MW-35_11192013	11/19/2013	1455	7	w	x	x	x	x	x	x	x	x	x	x	
11	MW-36_11202013	11/20/2013	1410	7	w	x	x	x	x	x	x	x	x	x	x	
12	MW-65_11202013	11/20/2013	1410	7	w	x	x	x	x	x	x	x	x	x	x	

	Relinquished by: Signature	Date	Time	Received by: Signature	Date	Time
	Garrin Palmer	11/21/13	1200			
	Print Name: Garrin Palmer			Print Name:		
	Relinquished by: Signature	Date	Time	Received by: Signature	Date	Time
	Print Name:			Print Name:		
	Relinquished by: Signature	Date	Time	Received by: Signature Denise Brown	Date 11/22/13	Time 9:30
	Print Name:			Print Name: Denise Brown		
	Relinquished by: Signature	Date	Time	Received by: Signature	Date	Time
	Print Name:			Print Name:		

DB 11/22/13

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.

1311470
AWAL Lab Sample Set #

Page 2 2

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the dey they are due.	Due Date:
3	Standard		

Client: **Energy Fuels Resources, Inc.**
Address: **6425 S. Hwy. 191**
Blanding, UT 84511
Contact: **Garrin Palmer**
Phone #: **(435) 678-2221** Cell #:
Email: **gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com**
Project Name: **4th Quarter Groundwater 2013**
Project #:
PO #:
Sampler Name: **Garrin Palmer, 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	**Trip Blank**	**11/18/2013**		3	w										x	
2	**Temp Blank**				w											
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

Laboratory Use Only

Samples Were: Fed Ex
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 0.5 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature: Garrin Palmer	Date: 11/21/13	Received by: Signature	Date:
Print Name: Garrin Palmer	Time: 1200	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Denise Brown	Date: 11/22/13
Print Name:	Time:	Print Name: Denise Brown	Time: 9:30
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Table 3 – AWAL Analyte List, Reporting Limits and Analytical Method Requirements

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
Nutrients					
Ammonia (as N)	A4500-NH3 G or E350.1	0.05 mg/L	28 days	H_2SO_4 to pH<2	≤ 6°C
Nitrate & Nitrite (as N)	E353.1 or E353.2	0.1 mg/L	28 days	H_2SO_4 to pH<2	≤ 6°C
Volatile Organic Compounds – Groundwater, Seeps and Springs and Tailings Impoundment					
Acetone	SW8260B or SW8260C	20 µg/L	14 days	HCl to pH<2	≤ 6°C
Benzene	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
2-Butanone (MEK)	SW8260B or SW8260C	20 µg/L	14 days	HCl to pH<2	≤ 6°C
Carbon Tetrachloride	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloroform	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloromethane	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Dichloromethane (Methylene Chloride)	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Naphthalene	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Tetrahydrofuran	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Toluene	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Xylenes (total)	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Others					
Fluoride	A4500-F C or E300.0	0.1 mg/L	28 days	None	≤ 6°C
TDS	A2540 C	10 mg/L	7 days	None	≤ 6°C

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
General Inorganics					
Chloride	A4500-Cl B or A4500-Cl E or E300.0	1 mg/L	28 days	None	≤ 6°C
Sulfate	A4500-SO4 E or E300.0	1 mg/L	28 days	None	≤ 6°C
Carbonate as CO3	A2320 B	1 mg/L	14 days	None	≤ 6°C
Bicarbonate as HCO3	A2320 B	1 mg/L	14 days	None	
Volatile Organic Compounds –Chloroform Program					
Carbon Tetrachloride	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloroform	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Dichloromethane (Methylene Chloride)	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloromethane	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
SVOCs – Tailings Impoundment Samples Only					
1,2,4-Trichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,2-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,3-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,4-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1-Methylnaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4,5-Trichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4,6-Trichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dimethylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dinitrophenol	SW8270D	<20 ug/L	7/40 days	None	≤ 6°C
2,4-Dinitrotoluene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,6-Dinitrotoluene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Chloronaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Chlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Methylnaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Nitrophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
3&4-Methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
3,3´-Dichlorobenzidine	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
4,6-Dinitro-2-methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C

-RW 6/5/13

Table 3 – GEL Groundwater, Tailings Impoundment, and Seeps and Springs Sampling

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
Heavy Metals					
Arsenic	E200.7 or E200.8	5 µg/L	6 months	HNO_3 to pH<2	None
Beryllium	E200.7 or E200.8	0.50 µg/L	6 months	HNO_3 to pH<2	None
Cadmium	E200.7 or E200.8	0.50 µg/L	6 months	HNO_3 to pH<2	None
Chromium	E200.7 or E200.8	25 µg/L	6 months	HNO_3 to pH<2	None
Cobalt	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Copper	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Iron	E200.7 or E200.8	30 µg/L	6 months	HNO_3 to pH<2	None
Lead	E200.7 or E200.8	1.0 µg/L	6 months	HNO_3 to pH<2	None
Manganese	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Mercury	E 245.1 or E200.7 or E200.8	0.50 µg/L	28 days	HNO_3 to pH<2	None
Molybdenum	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Nickel	E200.7 or E200.8	20 µg/L	6 months	HNO_3 to pH<2	None
Selenium	E200.7 or E200.8	5 µg/L	6 months	HNO_3 to pH<2	None
Silver	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Thallium	E200.7 or E200.8	0.50 µg/L	6 months	HNO_3 to pH<2	None
Tin	E200.7 or E200.8	100 µg/L	6 months	HNO_3 to pH<2	None
Uranium	E200.7 or E200.8	0.30 µg/L	6 months	HNO_3 to pH<2	None
Vanadium	E200.7 or E200.8	15 µg/L	6 months	HNO_3 to pH<2	None
Zinc	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Sodium	E200.7	0.5 mg/L	6 months	HNO_3 to pH<2	None
Potassium	E200.7	0.5 mg/L	6 months	HNO_3 to pH<2	None
Magnesium	E200.7	0.5 mg/L	6 months	HNO_3 to pH<2	None
Calcium	E200.7	0.5 mg/L	6 months	HNO_3 to pH<2	None
Radiologics					
~~Gross Alpha~~	~~E 900.0 or E900.1~~	~~1.0 pCi/L~~	~~6 months~~	~~HNO_3 to pH<2~~	~~None~~

**-RW 3/27/13

-RW 2/27/2013

Table 4 Fee Schedule

Analyte/ Group	Cost per Sample
Full Suite Metals	
Partial Suite Metals (cost per individual metal)	
Gross alpha	

** - per email from Kathy Weinel 3/27/13 -RW

~~Run ION BALANCE when the full metals suite has been requested, per email from Kathy Weinel 3/27/13~~

~~Ion Balance to include:~~
~~Total Anions, Measured~~
~~Total Cations, Measured~~
~~TDS Ratio, Measured/Calculated~~
~~TDS, Calculated~~

~~-RW 3/27/13~~

Lab Set ID: 1311470

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	-001	-002	-003	-004	-005	-006	-007	-008	-009	-010	-011	-012						
Ammonia	pH <2 H_2SO_4	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes						
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3																		
NO_2 & NO_3	pH <2 H_2SO_4	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes						
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 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

463 West 3600 South
Salt Lake City, UT 84115

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: (435) 678-2221

RE: 4th Quarter Ground Water 2013

Dear Garrin Palmer: Lab Set ID: 1312162

American West Analytical Laboratories received 8 sample(s) on 12/9/2013 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, 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=Quality Assurance Officer, email=jose@awal-labs.com, c=US
Date: 2013.12.18 16:55:25 -07'00'

Laboratory Director or designee

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

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Set ID: 1312162
Date Received: 12/9/2013 1000h

463 West 3600 South
Salt Lake City, UT 84115

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
1312162-001A	MW-01_12042013	12/4/2013 950h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312162-001B	MW-01_12042013	12/4/2013 950h	Aqueous	Anions, E300.0
1312162-001B	MW-01_12042013	12/4/2013 950h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312162-001C	MW-01_12042013	12/4/2013 950h	Aqueous	Total Dissolved Solids, A2540C
1312162-001D	MW-01_12042013	12/4/2013 950h	Aqueous	Ammonia, Aqueous
1312162-001D	MW-01_12042013	12/4/2013 950h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312162-001E	MW-01_12042013	12/4/2013 950h	Aqueous	Mercury, Drinking Water Dissolved
1312162-001E	MW-01_12042013	12/4/2013 950h	Aqueous	Ion Balance
1312162-001E	MW-01_12042013	12/4/2013 950h	Aqueous	ICPMS Metals, Dissolved
1312162-001E	MW-01_12042013	12/4/2013 950h	Aqueous	ICP Metals, Dissolved
1312162-002A	MW-02_12052013	12/5/2013 900h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312162-002B	MW-02_12052013	12/5/2013 900h	Aqueous	Anions, E300.0
1312162-002B	MW-02_12052013	12/5/2013 900h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312162-002C	MW-02_12052013	12/5/2013 900h	Aqueous	Total Dissolved Solids, A2540C
1312162-002D	MW-02_12052013	12/5/2013 900h	Aqueous	Ammonia, Aqueous
1312162-002D	MW-02_12052013	12/5/2013 900h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312162-002E	MW-02_12052013	12/5/2013 900h	Aqueous	ICP Metals, Dissolved
1312162-002E	MW-02_12052013	12/5/2013 900h	Aqueous	Ion Balance
1312162-002E	MW-02_12052013	12/5/2013 900h	Aqueous	ICPMS Metals, Dissolved
1312162-002E	MW-02_12052013	12/5/2013 900h	Aqueous	Mercury, Drinking Water Dissolved
1312162-003A	MW-05_12042013	12/4/2013 1400h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312162-003B	MW-05_12042013	12/4/2013 1400h	Aqueous	Anions, E300.0
1312162-003B	MW-05_12042013	12/4/2013 1400h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312162-003C	MW-05_12042013	12/4/2013 1400h	Aqueous	Total Dissolved Solids, A2540C
1312162-003D	MW-05_12042013	12/4/2013 1400h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312162-003D	MW-05_12042013	12/4/2013 1400h	Aqueous	Ammonia, Aqueous
1312162-003E	MW-05_12042013	12/4/2013 1400h	Aqueous	Ion Balance
1312162-003E	MW-05_12042013	12/4/2013 1400h	Aqueous	Mercury, Drinking Water Dissolved
1312162-003E	MW-05_12042013	12/4/2013 1400h	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

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ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
Toll Free: (888) 263-8686
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Set ID: 1312162
Date Received: 12/9/2013 1000h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1312162-003E	MW-05_12042013	12/4/2013	1400h	Aqueous	ICPMS Metals, Dissolved
1312162-004A	MW-18_12032013	12/3/2013	1400h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312162-004B	MW-18_12032013	12/3/2013	1400h	Aqueous	Anions, E300.0
1312162-004B	MW-18_12032013	12/3/2013	1400h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312162-004C	MW-18_12032013	12/3/2013	1400h	Aqueous	Total Dissolved Solids, A2540C
1312162-004D	MW-18_12032013	12/3/2013	1400h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312162-004D	MW-18_12032013	12/3/2013	1400h	Aqueous	Ammonia, Aqueous
1312162-004E	MW-18_12032013	12/3/2013	1400h	Aqueous	ICP Metals, Dissolved
1312162-004E	MW-18_12032013	12/3/2013	1400h	Aqueous	ICPMS Metals, Dissolved
1312162-004E	MW-18_12032013	12/3/2013	1400h	Aqueous	Mercury, Drinking Water Dissolved
1312162-004E	MW-18_12032013	12/3/2013	1400h	Aqueous	Ion Balance
1312162-005A	MW-19_12032013	12/3/2013	1530h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312162-005B	MW-19_12032013	12/3/2013	1530h	Aqueous	Anions, E300.0
1312162-005B	MW-19_12032013	12/3/2013	1530h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312162-005C	MW-19_12032013	12/3/2013	1530h	Aqueous	Total Dissolved Solids, A2540C
1312162-005D	MW-19_12032013	12/3/2013	1530h	Aqueous	Ammonia, Aqueous
1312162-005D	MW-19_12032013	12/3/2013	1530h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312162-005E	MW-19_12032013	12/3/2013	1530h	Aqueous	ICP Metals, Dissolved
1312162-005E	MW-19_12032013	12/3/2013	1530h	Aqueous	ICPMS Metals, Dissolved
1312162-005E	MW-19_12032013	12/3/2013	1530h	Aqueous	Mercury, Drinking Water Dissolved
1312162-005E	MW-19_12032013	12/3/2013	1530h	Aqueous	Ion Balance
1312162-006A	MW-27_12042013	12/4/2013	1430h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312162-006B	MW-27_12042013	12/4/2013	1430h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312162-006B	MW-27_12042013	12/4/2013	1430h	Aqueous	Anions, E300.0
1312162-006C	MW-27_12042013	12/4/2013	1430h	Aqueous	Total Dissolved Solids, A2540C
1312162-006D	MW-27_12042013	12/4/2013	1430h	Aqueous	Ammonia, Aqueous
1312162-006D	MW-27_12042013	12/4/2013	1430h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312162-006E	MW-27_12042013	12/4/2013	1430h	Aqueous	ICP Metals, Dissolved
1312162-006E	MW-27_12042013	12/4/2013	1430h	Aqueous	ICPMS Metals, Dissolved
1312162-006E	MW-27_12042013	12/4/2013	1430h	Aqueous	Mercury, Drinking Water Dissolved
1312162-006E	MW-27_12042013	12/4/2013	1430h	Aqueous	Ion Balance

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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Set ID: 1312162
Date Received: 12/9/2013 1000h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1312162-007A	MW-28_12042013	12/4/2013	1010h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312162-007B	MW-28_12042013	12/4/2013	1010h	Aqueous	Anions, E300.0
1312162-007B	MW-28_12042013	12/4/2013	1010h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312162-007C	MW-28_12042013	12/4/2013	1010h	Aqueous	Total Dissolved Solids, A2540C
1312162-007D	MW-28_12042013	12/4/2013	1010h	Aqueous	Ammonia, Aqueous
1312162-007D	MW-28_12042013	12/4/2013	1010h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312162-007E	MW-28_12042013	12/4/2013	1010h	Aqueous	ICP Metals, Dissolved
1312162-007E	MW-28_12042013	12/4/2013	1010h	Aqueous	ICPMS Metals, Dissolved
1312162-007E	MW-28_12042013	12/4/2013	1010h	Aqueous	Mercury, Drinking Water Dissolved
1312162-007E	MW-28_12042013	12/4/2013	1010h	Aqueous	Ion Balance
1312162-008A	Trip Blank	12/3/2013		Aqueous	VOA by GC/MS Method 8260C/5030C

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: 4th Quarter Ground Water 2013
Lab Set ID: 1312162

Sample Receipt Information:

Date of Receipt: 12/9/2013
Date(s) of Collection: 12/3 - 12/5/2013
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
1312162-001D	Ammonia	MSD	Sample matrix interference
1312162-001E	Calcium	MS/MSD	High analyte concentrations
1312162-001E	Magnesium	MS/MSD	High analyte concentrations
1312162-001E	Sodium	MS/MSD	High analyte concentrations

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

Corrective Action: None required.

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Ground Water 2013
Lab Set ID:	1312162

Sample Receipt Information:

Date of Receipt:	12/9/2013
Date(s) of Collection:	12/3 - 12/5/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Multiple target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312162
Project: 4th Quarter Ground Water 2013

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-29322	Date Analyzed:	12/16/2013 1345h											
Test Code: 200.7-DIS	Date Prepared:	12/10/2013 955h											
Calcium	9.20	mg/L	E200.7	0.0227	1.00	10.00	0	92.0	85 - 115				
Magnesium	9.38	mg/L	E200.7	0.102	1.00	10.00	0	93.8	85 - 115				
Potassium	9.55	mg/L	E200.7	0.203	1.00	10.00	0	95.5	85 - 115				
Sodium	9.33	mg/L	E200.7	0.0514	1.00	10.00	0	93.3	85 - 115				
Vanadium	0.185	mg/L	E200.7	0.00150	0.00500	0.2000	0	92.6	85 - 115				
Lab Sample ID: LCS-29323	Date Analyzed:	12/11/2013 2127h											
Test Code: 200.8-DIS	Date Prepared:	12/10/2013 955h											
Thallium	0.198	mg/L	E200.8	0.000222	0.00200	0.2000	0	99.2	85 - 115				
Tin	1.02	mg/L	E200.8	0.000620	0.00200	1.000	0	102	85 - 115				
Lab Sample ID: LCS-29323	Date Analyzed:	12/15/2013 1724h											
Test Code: 200.8-DIS	Date Prepared:	12/10/2013 955h											
Arsenic	0.199	mg/L	E200.8	0.00118	0.00200	0.2000	0	99.5	85 - 115				
Beryllium	0.204	mg/L	E200.8	0.0000698	0.00200	0.2000	0	102	85 - 115				
Cadmium	0.204	mg/L	E200.8	0.0000726	0.000500	0.2000	0	102	85 - 115				
Chromium	0.196	mg/L	E200.8	0.000938	0.00200	0.2000	0	98.1	85 - 115				
Cobalt	0.195	mg/L	E200.8	0.00364	0.00400	0.2000	0	97.6	85 - 115				
Copper	0.197	mg/L	E200.8	0.00152	0.00200	0.2000	0	98.3	85 - 115				
Iron	0.986	mg/L	E200.8	0.0472	0.100	1.000	0	98.6	85 - 115				
Lead	0.201	mg/L	E200.8	0.00126	0.00200	0.2000	0	100	85 - 115				
Manganese	0.194	mg/L	E200.8	0.00166	0.00200	0.2000	0	97.2	85 - 115				
Molybdenum	0.205	mg/L	E200.8	0.000496	0.00200	0.2000	0	103	85 - 115				
Nickel	0.194	mg/L	E200.8	0.000898	0.00200	0.2000	0	97.2	85 - 115				
Selenium	0.202	mg/L	E200.8	0.000686	0.00200	0.2000	0	101	85 - 115				
Silver	0.203	mg/L	E200.8	0.000101	0.00200	0.2000	0	101	85 - 115				
Uranium	0.203	mg/L	E200.8	0.0000598	0.00200	0.2000	0	101	85 - 115				
Zinc	0.972	mg/L	E200.8	0.00368	0.00500	1.000	0	97.2	85 - 115				

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312162
Project: 4th Quarter Ground Water 2013

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-29331**	Date Analyzed:	12/12/2013 913h											
Test Code:	Hg-DW-DIS-245.1	Date Prepared:	12/10/2013 1230h											
Mercury		0.00345	mg/L	E245.1	0.0000175	0.000150	0.003330	0	104	85 - 115				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312162
Project: 4th Quarter Ground Water 2013

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-29322**	Date Analyzed:	12/16/2013 1340h											
Test Code:	200.7-DIS	Date Prepared:	12/10/2013 955h											
Calcium		< 1.00	mg/L	E200.7	0.0227	1.00								
Magnesium		< 1.00	mg/L	E200.7	0.102	1.00								
Potassium		< 1.00	mg/L	E200.7	0.203	1.00								
Sodium		< 1.00	mg/L	E200.7	0.0514	1.00								
Vanadium		< 0.00500	mg/L	E200.7	0.00150	0.00500								
Lab Sample ID:	**MB-29323**	Date Analyzed:	12/11/2013 1957h											
Test Code:	200.8-DIS	Date Prepared:	12/10/2013 955h											
Thallium		< 0.000500	mg/L	E200.8	0.0000555	0.000500								
Lab Sample ID:	**MB-29323**	Date Analyzed:	12/11/2013 2117h											
Test Code:	200.8-DIS	Date Prepared:	12/10/2013 955h											
Tin		< 0.100	mg/L	E200.8	0.000620	0.100								
Lab Sample ID:	**MB-29323**	Date Analyzed:	12/15/2013 1719h											
Test Code:	200.8-DIS	Date Prepared:	12/10/2013 955h											
Arsenic		< 0.00500	mg/L	E200.8	0.00118	0.00500								
Cadmium		< 0.000500	mg/L	E200.8	0.0000726	0.000500								
Chromium		< 0.0250	mg/L	E200.8	0.000938	0.0250								
Cobalt		< 0.0100	mg/L	E200.8	0.00364	0.0100								
Copper		< 0.0100	mg/L	E200.8	0.00152	0.0100								
Manganese		< 0.0100	mg/L	E200.8	0.00166	0.0100								
Molybdenum		< 0.0100	mg/L	E200.8	0.000496	0.0100								
Nickel		< 0.0200	mg/L	E200.8	0.000898	0.0200								
Selenium		< 0.00500	mg/L	E200.8	0.000686	0.00500								
Silver		< 0.0100	mg/L	E200.8	0.000101	0.0100								
Zinc		< 0.0100	mg/L	E200.8	0.00368	0.0100								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312162
Project: 4th Quarter Ground Water 2013

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-29323**	Date Analyzed:	12/15/2013 1859h											
Test Code:	200.8-DIS	Date Prepared:	12/10/2013 955h											
Beryllium		< 0.000500	mg/L	E200.8	0.0000174	0.000500								
Iron		< 0.0300	mg/L	E200.8	0.0118	0.0300								
Lead		< 0.00100	mg/L	E200.8	0.000316	0.00100								
Lab Sample ID:	**MB-29323**	Date Analyzed:	12/15/2013 1958h											
Test Code:	200.8-DIS	Date Prepared:	12/10/2013 955h											
Uranium		< 0.000300	mg/L	E200.8	0.00000598	0.000300								
Lab Sample ID:	**MB-29331**	Date Analyzed:	12/12/2013 911h											
Test Code:	Hg-DW-DIS-245.1	Date Prepared:	12/10/2013 1230h											
Mercury		< 0.000150	mg/L	E245.1	0.0000175	0.000150								

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312162
Project: 4th Quarter Ground Water 2013

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: 1312162-001EMS	Date Analyzed:	12/16/2013 1133h											
Test Code: 200.7-DIS	Date Prepared:	12/10/2013 955h											
Magnesium	68.5	mg/L	E200.7	0.510	5.00	10.00	64.3	41.9	70 - 130				2
Lab Sample ID: 1312162-001EMS	Date Analyzed:	12/16/2013 1256h											
Test Code: 200.7-DIS	Date Prepared:	12/10/2013 955h											
Calcium	178	mg/L	E200.7	1.14	50.0	10.00	191	-133	70 - 130				2
Sodium	165	mg/L	E200.7	2.57	50.0	10.00	176	-106	70 - 130				2
Lab Sample ID: 1312162-001EMS	Date Analyzed:	12/16/2013 1416h											
Test Code: 200.7-DIS	Date Prepared:	12/10/2013 955h											
Potassium	16.4	mg/L	E200.7	0.203	1.00	10.00	6.97	94.5	70 - 130				
Vanadium	0.186	mg/L	E200.7	0.00150	0.00500	0.2000	0	93.2	70 - 130				
Lab Sample ID: 1312162-001EMS	Date Analyzed:	12/11/2013 2216h											
Test Code: 200.8-DIS	Date Prepared:	12/10/2013 955h											
Thallium	0.195	mg/L	E200.8	0.000222	0.00200	0.2000	0	97.4	75 - 125				
Tin	1.04	mg/L	E200.8	0.000620	0.00200	1.000	0	104	75 - 125				
Lab Sample ID: 1312162-001EMS	Date Analyzed:	12/15/2013 1745h											
Test Code: 200.8-DIS	Date Prepared:	12/10/2013 955h											
Arsenic	0.193	mg/L	E200.8	0.00118	0.00200	0.2000	0	96.5	75 - 125				
Beryllium	0.193	mg/L	E200.8	0.0000698	0.00200	0.2000	0	96.5	75 - 125				
Cadmium	0.191	mg/L	E200.8	0.0000726	0.000500	0.2000	0	95.7	75 - 125				
Chromium	0.189	mg/L	E200.8	0.000938	0.00200	0.2000	0	94.7	75 - 125				
Cobalt	0.188	mg/L	E200.8	0.00364	0.00400	0.2000	0	94.1	75 - 125				
Copper	0.188	mg/L	E200.8	0.00152	0.00200	0.2000	0	93.9	75 - 125				
Iron	1.17	mg/L	E200.8	0.0472	0.100	1.000	0.24	93.2	75 - 125				
Lead	0.187	mg/L	E200.8	0.00126	0.00200	0.2000	0	93.3	75 - 125				
Manganese	0.299	mg/L	E200.8	0.00166	0.00200	0.2000	0.113	92.6	75 - 125				
Molybdenum	0.199	mg/L	E200.8	0.000496	0.00200	0.2000	0.00132	98.7	75 - 125				
Nickel	0.186	mg/L	E200.8	0.000898	0.00200	0.2000	0	92.8	75 - 125				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312162
Project: 4th Quarter Ground Water 2013

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:	**1312162-001EMS**	Date Analyzed:	12/15/2013 1745h											
Test Code:	200.8-DIS	Date Prepared:	12/10/2013 955h											
Selenium		0.200	mg/L	E200.8	0.000686	0.00200	0.2000	0	99.8	75 - 125				
Silver		0.185	mg/L	E200.8	0.000101	0.00200	0.2000	0	92.4	75 - 125				
Uranium		0.190	mg/L	E200.8	0.0000598	0.00200	0.2000	0.000364	94.8	75 - 125				
Zinc		0.926	mg/L	E200.8	0.00368	0.00500	1.000	0	92.6	75 - 125				
Lab Sample ID:	**1312162-001EMS**	Date Analyzed:	12/12/2013 919h											
Test Code:	Hg-DW-DIS-245.1	Date Prepared:	12/10/2013 1230h											
Mercury		0.00336	mg/L	E245.1	0.0000175	0.000150	0.003330	0	101	85 - 115				

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

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312162
Project: 4th Quarter Ground Water 2013

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:	**1312162-001EMSD**	Date Analyzed:	12/16/2013 1137h											
Test Code:	200.7-DIS	Date Prepared:	12/10/2013 955h											
Magnesium		71.3	mg/L	E200.7	0.510	5.00	10.00	64.3	69.9	70 - 130	68.5	4.00	20	2
Lab Sample ID:	**1312162-001EMSD**	Date Analyzed:	12/16/2013 1300h											
Test Code:	200.7-DIS	Date Prepared:	12/10/2013 955h											
Calcium		189	mg/L	E200.7	1.14	50.0	10.00	191	-21.9	70 - 130	178	6.06	20	2
Sodium		175	mg/L	E200.7	2.57	50.0	10.00	176	-7.67	70 - 130	165	5.81	20	2
Lab Sample ID:	**1312162-001EMSD**	Date Analyzed:	12/16/2013 1420h											
Test Code:	200.7-DIS	Date Prepared:	12/10/2013 955h											
Potassium		17.0	mg/L	E200.7	0.203	1.00	10.00	6.97	101	70 - 130	16.4	3.63	20	
Vanadium		0.186	mg/L	E200.7	0.00150	0.00500	0.2000	0	92.9	70 - 130	0.186	0.236	20	
Lab Sample ID:	**1312162-001EMSD**	Date Analyzed:	12/11/2013 2226h											
Test Code:	200.8-DIS	Date Prepared:	12/10/2013 955h											
Thallium		0.201	mg/L	E200.8	0.000222	0.00200	0.2000	0	101	75 - 125	0.195	3.19	20	
Tin		1.04	mg/L	E200.8	0.000620	0.00200	1.000	0	104	75 - 125	1.04	0.882	20	
Lab Sample ID:	**1312162-001EMSD**	Date Analyzed:	12/15/2013 1750h											
Test Code:	200.8-DIS	Date Prepared:	12/10/2013 955h											
Arsenic		0.195	mg/L	E200.8	0.00118	0.00200	0.2000	0	97.3	75 - 125	0.193	0.869	20	
Beryllium		0.189	mg/L	E200.8	0.0000698	0.00200	0.2000	0	94.5	75 - 125	0.193	2.13	20	
Cadmium		0.187	mg/L	E200.8	0.0000726	0.000500	0.2000	0	93.7	75 - 125	0.191	2.16	20	
Chromium		0.184	mg/L	E200.8	0.000938	0.00200	0.2000	0	91.9	75 - 125	0.189	2.94	20	
Cobalt		0.185	mg/L	E200.8	0.00364	0.00400	0.2000	0	92.4	75 - 125	0.188	1.91	20	
Copper		0.182	mg/L	E200.8	0.00152	0.00200	0.2000	0	91.0	75 - 125	0.188	3.08	20	
Iron		1.16	mg/L	E200.8	0.0472	0.100	1.000	0.24	91.5	75 - 125	1.17	1.46	20	
Lead		0.184	mg/L	E200.8	0.00126	0.00200	0.2000	0	91.8	75 - 125	0.187	1.53	20	
Manganese		0.295	mg/L	E200.8	0.00166	0.00200	0.2000	0.113	90.6	75 - 125	0.299	1.34	20	
Molybdenum		0.194	mg/L	E200.8	0.000496	0.00200	0.2000	0.00132	96.2	75 - 125	0.199	2.58	20	
Nickel		0.183	mg/L	E200.8	0.000898	0.00200	0.2000	0	91.7	75 - 125	0.186	1.22	20	

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Salt Lake City, UT 84115
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: 1312162
Project: 4th Quarter Ground Water 2013

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:	**1312162-001EMSD**	Date Analyzed:	12/15/2013 1750h											
Test Code:	200.8-DIS	Date Prepared:	12/10/2013 955h											
Selenium		0.193	mg/L	E200.8	0.000686	0.00200	0.2000	0	96.3	75 - 125	0.2	3.54	20	
Silver		0.183	mg/L	E200.8	0.000101	0.00200	0.2000	0	91.6	75 - 125	0.185	0.854	20	
Uranium		0.187	mg/L	E200.8	0.0000598	0.00200	0.2000	0.000364	93.1	75 - 125	0.19	1.77	20	
Zinc		0.915	mg/L	E200.8	0.00368	0.00500	1.000	0	91.5	75 - 125	0.926	1.13	20	
Lab Sample ID:	**1312162-001EMSD**	Date Analyzed:	12/12/2013 921h											
Test Code:	Hg-DW-DIS-245.1	Date Prepared:	12/10/2013 1230h											
Mercury		0.00339	mg/L	E245.1	0.0000175	0.000150	0.003330	0	102	85 - 115	0.00336	0.711	20	

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

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312162
Project: 4th Quarter Ground Water 2013

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: 1312162-001CDUP Date Analyzed: 12/10/2013 1115h Test Code: TDS-W-2540C													
Total Dissolved Solids	1,440	mg/L	SM2540C	8.00	20.0					1440	0	5	

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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115
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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312162
Project: 4th Quarter Ground Water 2013

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-R62516 Date Analyzed: 12/09/2013 1442h													
Test Code: 300.0-W													
Chloride	4.92	mg/L	E300.0	0.0114	0.100	5.000	0	98.4	90 - 110				
Fluoride	4.96	mg/L	E300.0	0.0126	0.100	5.000	0	99.3	90 - 110				
Sulfate	4.74	mg/L	E300.0	0.177	0.750	5.000	0	94.9	90 - 110				
Lab Sample ID: LCS-R62682 Date Analyzed: 12/12/2013 1114h													
Test Code: ALK-W-2320B													
Alkalinity (as CaCO3)	50,100	mg/L	SM2320B	4.53	10.0	50,000	0	100	90 - 110				
Lab Sample ID: LCS-29386 Date Analyzed: 12/16/2013 2155h													
Test Code: NH3-W-350.1 Date Prepared: 12/12/2013 1230h													
Ammonia (as N)	0.914	mg/L	E350.1	0.0277	0.0500	1.000	0	91.4	90 - 110				
Lab Sample ID: LCS-R62559 Date Analyzed: 12/10/2013 1829h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.993	mg/L	E353.2	0.00252	0.100	1.000	0	99.3	90 - 110				
Lab Sample ID: LCS-R62618 Date Analyzed: 12/10/2013 1115h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	184	mg/L	SM2540C	4.00	10.0	205.0	0	89.8	80 - 120				

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QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312162
Project: 4th Quarter Ground Water 2013

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-R62516	Date Analyzed:	12/09/2013 1415h											
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0114	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0126	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.177	0.750								
Lab Sample ID: MB-R62682	Date Analyzed:	12/12/2013 1114h											
Test Code: ALK-W-2320B													
Bicarbonate (as CaCO3)	< 10.0	mg/L	SM2320B	4.53	10.0								
Carbonate (as CaCO3)	< 10.0	mg/L	SM2320B	4.53	10.0								
Lab Sample ID: MB-29386	Date Analyzed:	12/16/2013 2153h											
Test Code: NH3-W-350.1	Date Prepared:	12/12/2013 1230h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0277	0.0500								
Lab Sample ID: MB-R62559	Date Analyzed:	12/10/2013 1828h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.100	mg/L	E353.2	0.00252	0.100								
Lab Sample ID: MB-R62618	Date Analyzed:	12/10/2013 1115h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	4.00	10.0								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312162
Project: 4th Quarter Ground Water 2013

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: 1312162-001BMS Date Analyzed: 12/09/2013 1604h													
Test Code: 300.0-W													
Chloride	4,820	mg/L	E300.0	11.4	100	5,000	23	96.0	90 - 110				
Fluoride	4,810	mg/L	E300.0	12.6	100	5,000	0	96.2	90 - 110				
Sulfate	5,480	mg/L	E300.0	177	750	5,000	930	90.9	90 - 110				
Lab Sample ID: 1312162-001BMS Date Analyzed: 12/12/2013 1114h													
Test Code: ALK-W-2320B													
Alkalinity (as CaCO3)	285	mg/L	SM2320B	4.53	10.0	50.00	235	98.4	80 - 120				
Lab Sample ID: 1312162-001DMS Date Analyzed: 12/16/2013 2157h													
Test Code: NH3-W-350.1 Date Prepared: 12/12/2013 1230h													
Ammonia (as N)	0.951	mg/L	E350.1	0.0277	0.0500	1.000	0.0342	91.7	90 - 110				
Lab Sample ID: 1312162-003DMS Date Analyzed: 12/10/2013 1840h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.19	mg/L	E353.2	0.00252	0.100	1.000	0.279	91.2	90 - 110				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312162
Project: 4th Quarter Ground Water 2013

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: 1312162-001BMSD Date Analyzed: 12/09/2013 1631h													
Test Code: 300.0-W													
Chloride	4,830	mg/L	E300.0	11.4	100	5,000	23	96.1	90 - 110	4820	0.149	20	
Fluoride	4,810	mg/L	E300.0	12.6	100	5,000	0	96.2	90 - 110	4810	0.000769	20	
Sulfate	5,430	mg/L	E300.0	177	750	5,000	930	90.0	90 - 110	5480	0.823	20	
Lab Sample ID: 1312162-001BMSD Date Analyzed: 12/12/2013 1114h													
Test Code: ALK-W-2320B													
Alkalinity (as CaCO3)	286	mg/L	SM2320B	4.53	10.0	50.00	235	102	80 - 120	285	0.630	10	
Lab Sample ID: 1312162-001DMSD Date Analyzed: 12/16/2013 2158h													
Test Code: NH3-W-350.1 Date Prepared: 12/12/2013 1230h													
Ammonia (as N)	0.924	mg/L	E350.1	0.0277	0.0500	1.000	0.0342	89.0	90 - 110	0.951	2.86	10	1
Lab Sample ID: 1312162-003DMSD Date Analyzed: 12/10/2013 1844h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.21	mg/L	E353.2	0.00252	0.100	1.000	0.279	93.3	90 - 110	1.19	1.71	10	

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

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312162
Project: 4th Quarter Ground Water 2013

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 120913B Date Analyzed: 12/09/2013 1654h													
Test Code: 8260-W													
Benzene	15.2	µg/L	SW8260C	0.149	2.00	20.00	0	75.9	62 - 127				
Chloroform	17.9	µg/L	SW8260C	0.277	2.00	20.00	0	89.7	67 - 132				
Methylene chloride	14.0	µg/L	SW8260C	0.155	2.00	20.00	0	69.9	32 - 185				
Naphthalene	17.1	µg/L	SW8260C	0.547	2.00	20.00	0	85.4	28 - 136				
Tetrahydrofuran	15.7	µg/L	SW8260C	0.874	2.00	20.00	0	78.4	43 - 146				
Toluene	16.0	µg/L	SW8260C	0.429	2.00	20.00	0	80.1	64 - 129				
Xylenes, Total	52.5	µg/L	SW8260C	0.870	2.00	60.00	0	87.5	52 - 134				
Surr: 1,2-Dichloroethane-d4	51.5	µg/L	SW8260C			50.00		103	76 - 138				
Surr: 4-Bromofluorobenzene	47.8	µg/L	SW8260C			50.00		95.7	77 - 121				
Surr: Dibromofluoromethane	50.4	µg/L	SW8260C			50.00		101	67 - 128				
Surr: Toluene-d8	49.5	µg/L	SW8260C			50.00		99.1	81 - 135				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312162
Project: 4th Quarter Ground Water 2013

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 120913B Date Analyzed: 12/09/2013 1731h													
Test Code: 8260-W													
2-Butanone	< 20.0	µg/L	SW8260C	1.45	20.0								
Acetone	< 20.0	µg/L	SW8260C	3.35	20.0								
Benzene	< 1.00	µg/L	SW8260C	0.149	1.00								
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.137	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.277	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.127	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.155	1.00								
Naphthalene	< 1.00	µg/L	SW8260C	0.547	1.00								
Tetrahydrofuran	< 1.00	µg/L	SW8260C	0.874	1.00								
Toluene	< 1.00	µg/L	SW8260C	0.429	1.00								
Xylenes, Total	< 1.00	µg/L	SW8260C	0.870	1.00								
Surr: 1,2-Dichloroethane-d4	52.0	µg/L	SW8260C			50.00		104	76 - 138				
Surr: 4-Bromofluorobenzene	50.8	µg/L	SW8260C			50.00		102	77 - 121				
Surr: Dibromofluoromethane	49.4	µg/L	SW8260C			50.00		98.9	67 - 128				
Surr: Toluene-d8	51.3	µg/L	SW8260C			50.00		103	81 - 135				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312162
Project: 4th Quarter Ground Water 2013

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: 1312162-001AMS Date Analyzed: 12/09/2013 2018h													
Test Code: 8260-W													
Benzene	13.7	µg/L	SW8260C	0.149	2.00	20.00	0	68.6	66 - 145				
Chloroform	18.0	µg/L	SW8260C	0.277	2.00	20.00	0	90.1	50 - 146				
Methylene chloride	11.4	µg/L	SW8260C	0.155	2.00	20.00	0	56.8	30 - 192				
Naphthalene	17.7	µg/L	SW8260C	0.547	2.00	20.00	0	88.4	41 - 131				
Tetrahydrofuran	21.0	µg/L	SW8260C	0.874	2.00	20.00	5.51	77.4	43 - 146				
Toluene	15.2	µg/L	SW8260C	0.429	2.00	20.00	0	75.9	18 - 192				
Xylenes, Total	49.9	µg/L	SW8260C	0.870	2.00	60.00	0	83.2	42 - 167				
Surr: 1,2-Dichloroethane-d4	52.9	µg/L	SW8260C			50.00		106	72 - 151				
Surr: 4-Bromofluorobenzene	48.4	µg/L	SW8260C			50.00		96.7	80 - 128				
Surr: Dibromofluoromethane	51.1	µg/L	SW8260C			50.00		102	80 - 124				
Surr: Toluene-d8	49.0	µg/L	SW8260C			50.00		97.9	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
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463 West 3600 South
Salt Lake City, UT 84115
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: 1312162
Project: 4th Quarter Ground Water 2013

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: 1312162-001AMSD Date Analyzed: 12/09/2013 2037h													
Test Code: 8260-W													
Benzene	13.3	µg/L	SW8260C	0.149	2.00	20.00	0	66.5	66 - 145	13.7	3.18	25	
Chloroform	17.2	µg/L	SW8260C	0.277	2.00	20.00	0	86.1	50 - 146	18	4.48	25	
Methylene chloride	11.1	µg/L	SW8260C	0.155	2.00	20.00	0	55.6	30 - 192	11.4	2.13	25	
Naphthalene	16.4	µg/L	SW8260C	0.547	2.00	20.00	0	82.2	41 - 131	17.7	7.27	25	
Tetrahydrofuran	17.8	µg/L	SW8260C	0.874	2.00	20.00	5.51	61.5	43 - 146	21	16.4	25	
Toluene	15.0	µg/L	SW8260C	0.429	2.00	20.00	0	74.9	18 - 192	15.2	1.39	25	
Xylenes, Total	48.8	µg/L	SW8260C	0.870	2.00	60.00	0	81.3	42 - 167	49.9	2.35	25	
Surr: 1,2-Dichloroethane-d4	52.7	µg/L	SW8260C			50.00		105	72 - 151				
Surr: 4-Bromofluorobenzene	49.4	µg/L	SW8260C			50.00		98.9	80 - 128				
Surr: Dibromofluoromethane	51.0	µg/L	SW8260C			50.00		102	80 - 124				
Surr: Toluene-d8	49.8	µg/L	SW8260C			50.00		99.7	77 - 129				

analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. Confidential Business Information: This report is provided for the exclusive use of the addressee. Privileges of subsequent use of th
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American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1312162**

Client: Energy Fuels Resources, Inc. Due Date: 12/18/2013

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **4th Quarter Ground Water 2013** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Project specific DL's: see COC. 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	
1312162-001A	**MW-01_12042013**	12/4/2013 0950h	12/9/2013 1000h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1312162-001B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312162-001C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1312162-001D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1312162-001E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312162-002A	**MW-02_12052013**	12/5/2013 0900h	12/9/2013 1000h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1312162-002B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312162-002C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				

Printed: 12/9/2013 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☑ RT ☑ CN ☑ TAT ☑ QC ☑ HOK_____ HOK_____ HOK_____ COC Emailed 12/9/13

WORK ORDER Summary

Work Order: **1312162**

Client: Energy Fuels Resources, Inc. Due Date: 12/18/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1312162-002D	**MW-02_12052013**	12/5/2013 0900h	12/9/2013 1000h	**NH3-W-350.1**	Aqueous	☑	df - no2/no3 & nh3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1312162-002E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312162-003A	**MW-05_12042013**	12/4/2013 1400h	12/9/2013 1000h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1312162-003B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312162-003C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1312162-003D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1312162-003E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	

WORK ORDER Summary

Work Order: **1312162**

Client: Energy Fuels Resources, Inc. Due Date: 12/18/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1312162-003E	**MW-05_12042013**	12/4/2013 1400h	12/9/2013 1000h	**IONBALANCE**	Aqueous	☑	df-met	1
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312162-004A	**MW-18_12032013**	12/3/2013 1400h	12/9/2013 1000h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1312162-004B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312162-004C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1312162-004D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1312162-004E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312162-005A	**MW-19_12032013**	12/3/2013 1530h	12/9/2013 1000h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1312162-005B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312162-005C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1312162-005D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				

WORK ORDER Summary

Work Order: **1312162**

Client: Energy Fuels Resources, Inc. Due Date: 12/18/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1312162-005E	**MW-19_12032013**	12/3/2013 1530h	12/9/2013 1000h	**200.7-DIS**	Aqueous	☑	df-met	1
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312162-006A	**MW-27_12042013**	12/4/2013 1430h	12/9/2013 1000h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1312162-006B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312162-006C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1312162-006D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1312162-006E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312162-007A	**MW-28_12042013**	12/4/2013 1010h	12/9/2013 1000h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				

WORK ORDER Summary

Work Order: **1312162**

Client: Energy Fuels Resources, Inc. Due Date: 12/18/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1312162-007B	**MW-28_12042013**	12/4/2013 1010h	12/9/2013 1000h	**300.0-W**	Aqueous	☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312162-007C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1312162-007D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1312162-007E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312162-008A	**Trip Blank**	12/3/2013	12/9/2013 1000h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				

AWAL Use Only Close Hold Times

Test Code	# Samps	Min. days left
TDS-W-2540C	4	1.12

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.

12/12/62
AWAL LAB SAMPLE SET #
PAGE 1 OF 1

QC LEVEL:	TURN AROUND TIME:	UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE.	DUE DATE:
3	STANDARD		

CLIENT: Energy Fuels Resources, Inc.
ADDRESS: 6425 S. Hwy. 191
Blanding, UT 84511
CONTACT: Garrin Palmer
PHONE #: (435) 678-2221 CELL #:
EMAIL: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
PROJECT NAME: 4th Quarter Groundwater 2013
PROJECT #:
PO #:
SAMPLER NAME: Tanner Holliday

	SAMPLE ID:	DATE SAMPLED	TIME SAMPLED	# OF CONTAINERS	SAMPLE MATRIX	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	KNOWN HAZARDS & SAMPLE COMMENTS
1	MW-01_12042013	12/4/2013	950	7	W	X	X	X	X	X	X			X	X	ALL metals are field Filtered
2	MW-02_12052013	12/5/2013	900	7	W	X	X	X	X	X	X			X	X	
3	MW-05_12042013	12/4/2013	1400	7	W	X	X	X	X	X	X			X	X	
4	MW-18_12032013	12/3/2013	1400	7	W	X	X	X	X	X	X			X	X	
5	MW-19_12032013	12/3/2013	1530	7	W	X	X	X	X	X	X			X	X	
6	MW-27_12042013	12/4/2013	1430	7	W	X	X	X	X	X	X			X	X	
7	MW-28_12042013	12/4/2013	1010	7	W	X	X	X	X	X	X			X	X	
8	TRIP BLANK	12/3/2013		3	W										X	
9	TEMP BLANK			1	W											
10																
11																
12																

X INCLUDE EDD:
LOCUS UPLOAD
EXCEL
X FIELD FILTERED FOR:
Dissolved Metals

FOR COMPLIANCE WITH:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ NON-COMPLIANCE
☐ OTHER:

LABORATORY USE ONLY

SAMPLES WERE: Fed-X
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

COC TAPE WAS:
1 PRESENT ON OUTER PACKAGE (Y) N NA
2 UNBROKEN ON OUTER PACKAGE (Y) N NA
3 PRESENT ON SAMPLE Y N (NA)
4 UNBROKEN ON SAMPLE Y N (NA)

DISCREPANCIES BETWEEN SAMPLE LABELS AND COC RECORD? Y (N)

RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE	DATE:
PRINT NAME: Tanner Holliday	TIME: 1100	PRINT NAME:	TIME:
RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE	DATE: 12/9/13
PRINT NAME:	TIME:	PRINT NAME: Elma Hayden	TIME: 1080
RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE	DATE:
PRINT NAME:	TIME:	PRINT NAME:	TIME:
RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE	DATE:
PRINT NAME:	TIME:	PRINT NAME:	TIME:

SPECIAL INSTRUCTIONS:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Table 3 – AWAL Analyte List, Reporting Limits and Analytical Method Requirements

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
Nutrients					
Ammonia (as N)	A4500-NH3 G or E350.1	0.05 mg/L	28 days	H_2SO_4 to pH<2	≤ 6°C
Nitrate & Nitrite (as N)	E353.1 or E353.2	0.1 mg/L	28 days	H_2SO_4 to pH<2	≤ 6°C
Volatile Organic Compounds – Groundwater, Seeps and Springs and Tailings Impoundment					
Acetone	SW8260B or SW8260C	20 µg/L	14 days	HCl to pH<2	≤ 6°C
Benzene	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
2-Butanone (MEK)	SW8260B or SW8260C	20 µg/L	14 days	HCl to pH<2	≤ 6°C
Carbon Tetrachloride	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloroform	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloromethane	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Dichloromethane (Methylene Chloride)	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Naphthalene	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Tetrahydrofuran	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Toluene	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Xylenes (total)	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Others					
Fluoride	A4500-F C or E300.0	0.1 mg/L	28 days	None	≤ 6°C
TDS	A2540 C	10 mg/L	7 days	None	≤ 6°C

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
General Inorganics					
Chloride	A4500-Cl B or A4500-Cl E or E300.0	1 mg/L	28 days	None	≤ 6°C
Sulfate	A4500-SO4 E or E300.0	1 mg/L	28 days	None	≤ 6°C
Carbonate as CO3	A2320 B	1 mg/L	14 days	None	≤ 6°C
Bicarbonate as HCO3	A2320 B	1 mg/L	14 days	None	
Volatile Organic Compounds –Chloroform Program					
Carbon Tetrachloride	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloroform	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Dichloromethane (Methylene Chloride)	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloromethane	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
SVOCs – Tailings Impoundment Samples Only					
1,2,4-Trichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,2-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,3-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,4-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1-Methylnaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4,5-Trichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4,6-Trichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dimethylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dinitrophenol	SW8270D	<20 ug/L	7/40 days	None	≤ 6°C
2,4-Dinitrotoluene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,6-Dinitrotoluene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Chloronaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Chlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Methylnaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Nitrophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
3&4-Methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
3,3´-Dichlorobenzidine	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
4,6-Dinitro-2-methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C

-RW 6/5/13

Table 3 – GEL Groundwater, Tailings Impoundment, and Seeps and Springs Sampling

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
Heavy Metals					
Arsenic	E200.7 or E200.8	5 µg/L	6 months	HNO_3 to pH<2	None
Beryllium	E200.7 or E200.8	0.50 µg/L	6 months	HNO_3 to pH<2	None
Cadmium	E200.7 or E200.8	0.50 µg/L	6 months	HNO_3 to pH<2	None
Chromium	E200.7 or E200.8	25 µg/L	6 months	HNO_3 to pH<2	None
Cobalt	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Copper	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Iron	E200.7 or E200.8	30 µg/L	6 months	HNO_3 to pH<2	None
Lead	E200.7 or E200.8 **-RW 3/27/13	1.0 µg/L	6 months	HNO_3 to pH<2	None
Manganese	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Mercury	E 245.1 or E200.7 or E200.8	0.50 µg/L	28 days	HNO_3 to pH<2	None
Molybdenum	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Nickel	E200.7 or E200.8	20 µg/L	6 months	HNO_3 to pH<2	None
Selenium	E200.7 or E200.8	5 µg/L	6 months	HNO_3 to pH<2	None
Silver	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Thallium	E200.7 or E200.8	0.50 µg/L	6 months	HNO_3 to pH<2	None
Tin	E200.7 or E200.8	100 µg/L	6 months	HNO_3 to pH<2	None
Uranium	E200.7 or E200.8	0.30 µg/L	6 months	HNO_3 to pH<2	None
Vanadium	E200.7 or E200.8	15 µg/L	6 months	HNO_3 to pH<2	None
Zinc	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Sodium	E200.7	0.5 mg/L	6 months	HNO_3 to pH<2	None
Potassium	E200.7	0.5 mg/L	6 months	HNO_3 to pH<2	None
Magnesium	E200.7	0.5 mg/L	6 months	HNO_3 to pH<2	None
Calcium	E200.7	0.5 mg/L	6 months	HNO_3 to pH<2	None
Radiologics					
~~Gross Alpha~~	~~E 900.0 or E900.1~~	~~1.0 pCi/L~~	~~6 months~~	~~HNO_3 to pH<2~~	~~None~~ -RW 2/27/2013

Table 4 Fee Schedule

Analyte/ Group	Cost per Sample
Full Suite Metals	
Partial Suite Metals (cost per individual metal)	
Gross alpha	

** - per email from Kathy Weinel 3/27/13 -RW

Run ION BALANCE when the full metals suite has been requested, per email from Kathy Weinel 3/27/13

Ion Balance to include:
Total Anions, Measured
Total Cations, Measured
TDS Ratio, Measured/Calculated
TDS, Calculated

-RW 3/27/13

Lab Set ID: 1312162

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7											
Ammonia	pH <2 H_2SO_4	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											
NO_2 & NO_3	pH <2 H_2SO_4	yes	yes	yes	yes	yes	yes	yes											
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved

▲ The Sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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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: (435) 678-2221

RE: 4th Quarter Groundwater 2013

Dear Garrin Palmer: Lab Set ID: 1312280

American West Analytical Laboratories received 8 sample(s) on 12/13/2013 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, 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
DN: cn=Kyle F. Gross, o=AWAL, ou=AWAL-Laboratory Director, email=kyle@awal-labs.com, c=US
Date: 2013.12.24 09:43:21 -07'00'

Laboratory Director or designee

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SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Set ID: 1312280
Date Received: 12/13/2013 1310h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1312280-001A	MW-03_12112013	12/11/2013 800h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312280-001B	MW-03_12112013	12/11/2013 800h	Aqueous	Anions, E300.0
1312280-001B	MW-03_12112013	12/11/2013 800h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312280-001C	MW-03_12112013	12/11/2013 800h	Aqueous	Total Dissolved Solids, A2540C
1312280-001D	MW-03_12112013	12/11/2013 800h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312280-001D	MW-03_12112013	12/11/2013 800h	Aqueous	Ammonia, Aqueous
1312280-001E	MW-03_12112013	12/11/2013 800h	Aqueous	ICP Metals, Dissolved
1312280-001E	MW-03_12112013	12/11/2013 800h	Aqueous	ICPMS Metals, Dissolved
1312280-001E	MW-03_12112013	12/11/2013 800h	Aqueous	Mercury, Drinking Water Dissolved
1312280-001E	MW-03_12112013	12/11/2013 800h	Aqueous	Ion Balance
1312280-002A	MW-03A_12112013	12/11/2013 645h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312280-002B	MW-03A_12112013	12/11/2013 645h	Aqueous	Anions, E300.0
1312280-002B	MW-03A_12112013	12/11/2013 645h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312280-002C	MW-03A_12112013	12/11/2013 645h	Aqueous	Total Dissolved Solids, A2540C
1312280-002D	MW-03A_12112013	12/11/2013 645h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312280-002D	MW-03A_12112013	12/11/2013 645h	Aqueous	Ammonia, Aqueous
1312280-002E	MW-03A_12112013	12/11/2013 645h	Aqueous	Mercury, Drinking Water Dissolved
1312280-002E	MW-03A_12112013	12/11/2013 645h	Aqueous	ICPMS Metals, Dissolved
1312280-002E	MW-03A_12112013	12/11/2013 645h	Aqueous	ICP Metals, Dissolved
1312280-002E	MW-03A_12112013	12/11/2013 645h	Aqueous	Ion Balance
1312280-003A	MW-12_12092013	12/9/2013 1515h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312280-003B	MW-12_12092013	12/9/2013 1515h	Aqueous	Anions, E300.0
1312280-003B	MW-12_12092013	12/9/2013 1515h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312280-003C	MW-12_12092013	12/9/2013 1515h	Aqueous	Total Dissolved Solids, A2540C
1312280-003D	MW-12_12092013	12/9/2013 1515h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312280-003D	MW-12_12092013	12/9/2013 1515h	Aqueous	Ammonia, Aqueous
1312280-003E	MW-12_12092013	12/9/2013 1515h	Aqueous	Ion Balance
1312280-003E	MW-12_12092013	12/9/2013 1515h	Aqueous	ICP Metals, Dissolved
1312280-003E	MW-12_12092013	12/9/2013 1515h	Aqueous	ICPMS Metals, Dissolved

American West ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, UT 84115
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Set ID: 1312280
Date Received: 12/13/2013 1310h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1312280-003E	MW-12_12092013	12/9/2013 1515h	Aqueous	Mercury, Drinking Water Dissolved
1312280-004A	MW-17_12092013	12/9/2013 1230h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312280-004B	MW-17_12092013	12/9/2013 1230h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312280-004B	MW-17_12092013	12/9/2013 1230h	Aqueous	Anions, E300.0
1312280-004C	MW-17_12092013	12/9/2013 1230h	Aqueous	Total Dissolved Solids, A2540C
1312280-004D	MW-17_12092013	12/9/2013 1230h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312280-004D	MW-17_12092013	12/9/2013 1230h	Aqueous	Ammonia, Aqueous
1312280-004E	MW-17_12092013	12/9/2013 1230h	Aqueous	ICP Metals, Dissolved
1312280-004E	MW-17_12092013	12/9/2013 1230h	Aqueous	ICPMS Metals, Dissolved
1312280-004E	MW-17_12092013	12/9/2013 1230h	Aqueous	Mercury, Drinking Water Dissolved
1312280-004E	MW-17_12092013	12/9/2013 1230h	Aqueous	Ion Balance
1312280-005A	MW-22_12102013	12/10/2013 1200h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312280-005B	MW-22_12102013	12/10/2013 1200h	Aqueous	Anions, E300.0
1312280-005B	MW-22_12102013	12/10/2013 1200h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312280-005C	MW-22_12102013	12/10/2013 1200h	Aqueous	Total Dissolved Solids, A2540C
1312280-005D	MW-22_12102013	12/10/2013 1200h	Aqueous	Ammonia, Aqueous
1312280-005D	MW-22_12102013	12/10/2013 1200h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312280-005E	MW-22_12102013	12/10/2013 1200h	Aqueous	Ion Balance
1312280-005E	MW-22_12102013	12/10/2013 1200h	Aqueous	Mercury, Drinking Water Dissolved
1312280-005E	MW-22_12102013	12/10/2013 1200h	Aqueous	ICP Metals, Dissolved
1312280-005E	MW-22_12102013	12/10/2013 1200h	Aqueous	ICPMS Metals, Dissolved
1312280-006A	MW-24_12122013	12/12/2013 800h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312280-006B	MW-24_12122013	12/12/2013 800h	Aqueous	Anions, E300.0
1312280-006B	MW-24_12122013	12/12/2013 800h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312280-006C	MW-24_12122013	12/12/2013 800h	Aqueous	Total Dissolved Solids, A2540C
1312280-006D	MW-24_12122013	12/12/2013 800h	Aqueous	Ammonia, Aqueous
1312280-006D	MW-24_12122013	12/12/2013 800h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312280-006E	MW-24_12122013	12/12/2013 800h	Aqueous	ICPMS Metals, Dissolved
1312280-006E	MW-24_12122013	12/12/2013 800h	Aqueous	Mercury, Drinking Water Dissolved
1312280-006E	MW-24_12122013	12/12/2013 800h	Aqueous	Ion Balance

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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Set ID: 1312280
Date Received: 12/13/2013 1310h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1312280-006E	MW-24_12122013	12/12/2013 800h	Aqueous	ICP Metals, Dissolved
1312280-007A	MW-70_12112013	12/11/2013 800h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312280-007B	MW-70_12112013	12/11/2013 800h	Aqueous	Anions, E300.0
1312280-007B	MW-70_12112013	12/11/2013 800h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312280-007C	MW-70_12112013	12/11/2013 800h	Aqueous	Total Dissolved Solids, A2540C
1312280-007D	MW-70_12112013	12/11/2013 800h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312280-007D	MW-70_12112013	12/11/2013 800h	Aqueous	Ammonia, Aqueous
1312280-007E	MW-70_12112013	12/11/2013 800h	Aqueous	ICP Metals, Dissolved
1312280-007E	MW-70_12112013	12/11/2013 800h	Aqueous	ICPMS Metals, Dissolved
1312280-007E	MW-70_12112013	12/11/2013 800h	Aqueous	Ion Balance
1312280-007E	MW-70_12112013	12/11/2013 800h	Aqueous	Mercury, Drinking Water Dissolved
1312280-008A	Trip Blank	12/9/2013	Aqueous	VOA by GC/MS Method 8260C/5030C

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Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Groundwater 2013
Lab Set ID:	1312280

Sample Receipt Information:

Date of Receipt:	12/13/2013
Date(s) of Collection:	12/9-12/12/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation of all samples were performed within the method holding times. All 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
1312280-001D	Ammonia	MS	Sample matrix interference
1312280-005D	Nitrate-Nitrite	MS/MSD	Sample matrix interference
1312280-001E	Calcium	MS/MSD	High analyte concentration
1312280-001E	Magnesium	MS/MSD	High analyte concentration
1312280-001E	Manganese	MS	Sample matrix interference
1312280-001E	Sodium	MS/MSD	High analyte concentration

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

Corrective Action: None required.

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Groundwater 2013
Lab Set ID:	1312280

Sample Receipt Information:

Date of Receipt:	12/13/2013
Date(s) of Collection:	12/9-12/12/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Multiple target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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American West ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312280
Project: 4th Quarter Groundwater 2013

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-29433	Date Analyzed:	12/19/2013 1620h											
Test Code: 200.7-DIS	Date Prepared:	12/16/2013 930h											
Calcium	8.71	mg/L	E200.7	0.0227	1.00	10.00	0	87.1	85 - 115				
Magnesium	9.39	mg/L	E200.7	0.102	1.00	10.00	0	93.9	85 - 115				
Vanadium	0.185	mg/L	E200.7	0.00150	0.00500	0.2000	0	92.6	85 - 115				
Lab Sample ID: LCS-29433	Date Analyzed:	12/20/2013 1301h											
Test Code: 200.7-DIS	Date Prepared:	12/16/2013 930h											
Potassium	9.65	mg/L	E200.7	0.203	1.00	10.00	0	96.5	85 - 115				
Sodium	9.45	mg/L	E200.7	0.0514	1.00	10.00	0	94.5	85 - 115				
Lab Sample ID: LCS-29434	Date Analyzed:	12/18/2013 445h											
Test Code: 200.8-DIS	Date Prepared:	12/16/2013 930h											
Beryllium	0.190	mg/L	E200.8	0.0000698	0.00200	0.2000	0	95.2	85 - 115				
Cadmium	0.184	mg/L	E200.8	0.0000726	0.000500	0.2000	0	91.9	85 - 115				
Chromium	0.191	mg/L	E200.8	0.000938	0.00200	0.2000	0	95.5	85 - 115				
Cobalt	0.187	mg/L	E200.8	0.00364	0.00400	0.2000	0	93.3	85 - 115				
Copper	0.188	mg/L	E200.8	0.00152	0.00200	0.2000	0	93.9	85 - 115				
Iron	0.930	mg/L	E200.8	0.0472	0.100	1.000	0	93.0	85 - 115				
Lead	0.187	mg/L	E200.8	0.00126	0.00200	0.2000	0	93.6	85 - 115				
Manganese	0.192	mg/L	E200.8	0.00166	0.00200	0.2000	0	96.1	85 - 115				
Molybdenum	0.192	mg/L	E200.8	0.000496	0.00200	0.2000	0	96.2	85 - 115				
Nickel	0.187	mg/L	E200.8	0.000898	0.00200	0.2000	0	93.6	85 - 115				
Selenium	0.177	mg/L	E200.8	0.000686	0.00200	0.2000	0	88.5	85 - 115				
Silver	0.184	mg/L	E200.8	0.000101	0.00200	0.2000	0	92.0	85 - 115				
Uranium	0.192	mg/L	E200.8	0.0000598	0.00200	0.2000	0	96.1	85 - 115				
Zinc	0.942	mg/L	E200.8	0.00368	0.00500	1.000	0	94.2	85 - 115				
Lab Sample ID: LCS-29434	Date Analyzed:	12/18/2013 1637h											
Test Code: 200.8-DIS	Date Prepared:	12/16/2013 930h											
Thallium	0.186	mg/L	E200.8	0.000222	0.00200	0.2000	0	93.2	85 - 115				
Tin	1.00	mg/L	E200.8	0.000620	0.00200	1.000	0	100	85 - 115				

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312280
Project: 4th Quarter Groundwater 2013

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-29434**	Date Analyzed:	12/18/2013 1425h											
Test Code:	200.8-DIS	Date Prepared:	12/16/2013 930h											
Arsenic		0.197	mg/L	E200.8	0.00118	0.00200	0.2000	0	98.3	85 - 115				
Lab Sample ID:	**LCS-29498**	Date Analyzed:	12/18/2013 838h											
Test Code:	Hg-DW-DIS-245.1	Date Prepared:	12/17/2013 1700h											
Mercury		0.00333	mg/L	E245.1	0.0000175	0.000150	0.003330	0	99.9	85 - 115				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312280
Project: 4th Quarter Groundwater 2013

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-29433	Date Analyzed:	12/19/2013 1615h											
Test Code: 200.7-DIS	Date Prepared:	12/16/2013 930h											
Calcium	< 1.00	mg/L	E200.7	0.0227	1.00								
Magnesium	< 1.00	mg/L	E200.7	0.102	1.00								
Vanadium	< 0.00500	mg/L	E200.7	0.00150	0.00500								
Lab Sample ID: MB-29433	Date Analyzed:	12/20/2013 1257h											
Test Code: 200.7-DIS	Date Prepared:	12/16/2013 930h											
Potassium	< 1.00	mg/L	E200.7	0.203	1.00								
Sodium	< 1.00	mg/L	E200.7	0.0514	1.00								
Lab Sample ID: MB-29434	Date Analyzed:	12/18/2013 440h											
Test Code: 200.8-DIS	Date Prepared:	12/16/2013 930h											
Cadmium	< 0.000500	mg/L	E200.8	0.0000726	0.000500								
Chromium	< 0.0250	mg/L	E200.8	0.000938	0.0250								
Cobalt	< 0.0100	mg/L	E200.8	0.00364	0.0100								
Copper	< 0.0100	mg/L	E200.8	0.00152	0.0100								
Manganese	< 0.0100	mg/L	E200.8	0.00166	0.0100								
Molybdenum	< 0.0100	mg/L	E200.8	0.000496	0.0100								
Nickel	< 0.0200	mg/L	E200.8	0.000898	0.0200								
Selenium	< 0.00500	mg/L	E200.8	0.000686	0.00500								
Silver	< 0.0100	mg/L	E200.8	0.000101	0.0100								
Zinc	< 0.0100	mg/L	E200.8	0.00368	0.0100								
Lab Sample ID: MB-29434	Date Analyzed:	12/18/2013 621h											
Test Code: 200.8-DIS	Date Prepared:	12/16/2013 930h											
Beryllium	< 0.000500	mg/L	E200.8	0.0000174	0.000500								
Iron	< 0.0300	mg/L	E200.8	0.0118	0.0300								
Lead	< 0.00100	mg/L	E200.8	0.000316	0.00100								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312280
Project: 4th Quarter Groundwater 2013

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-29434**	Date Analyzed:	12/18/2013 719h											
Test Code:	200.8-DIS	Date Prepared:	12/16/2013 930h											
Uranium		< 0.000300	mg/L	E200.8	0.00000598	0.000300								
Lab Sample ID:	**MB-29434**	Date Analyzed:	12/18/2013 1534h											
Test Code:	200.8-DIS	Date Prepared:	12/16/2013 930h											
Thallium		< 0.000500	mg/L	E200.8	0.0000555	0.000500								
Lab Sample ID:	**MB-29434**	Date Analyzed:	12/18/2013 1630h											
Test Code:	200.8-DIS	Date Prepared:	12/16/2013 930h											
Tin		< 0.100	mg/L	E200.8	0.000620	0.100								
Lab Sample ID:	**MB-29434**	Date Analyzed:	12/18/2013 1419h											
Test Code:	200.8-DIS	Date Prepared:	12/16/2013 930h											
Arsenic		< 0.00500	mg/L	E200.8	0.00118	0.00500								
Lab Sample ID:	**MB-29498**	Date Analyzed:	12/18/2013 836h											
Test Code:	Hg-DW-DIS-245.1	Date Prepared:	12/17/2013 1700h											
Mercury		< 0.000150	mg/L	E245.1	0.0000175	0.000150								

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312280
Project: 4th Quarter Groundwater 2013

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: 1312280-001EMS Date Analyzed: 12/19/2013 1635h													
Test Code: 200.7-DIS Date Prepared: 12/16/2013 930h													
Calcium	407	mg/L	E200.7	1.14	50.0	10.00	425	-182	70 - 130				2
Magnesium	235	mg/L	E200.7	5.10	50.0	10.00	239	-34.3	70 - 130				2
Lab Sample ID: 1312280-001EMS Date Analyzed: 12/19/2013 1724h													
Test Code: 200.7-DIS Date Prepared: 12/16/2013 930h													
Vanadium	0.180	mg/L	E200.7	0.00150	0.00500	0.2000	0	89.8	70 - 130				
Lab Sample ID: 1312280-001EMS Date Analyzed: 12/20/2013 1309h													
Test Code: 200.7-DIS Date Prepared: 12/16/2013 930h													
Sodium	742	mg/L	E200.7	2.57	50.0	10.00	785	-432	70 - 130				2
Lab Sample ID: 1312280-001EMS Date Analyzed: 12/20/2013 1411h													
Test Code: 200.7-DIS Date Prepared: 12/16/2013 930h													
Potassium	31.7	mg/L	E200.7	1.02	5.00	10.00	23.3	84.6	70 - 130				
Lab Sample ID: 1312280-001EMS Date Analyzed: 12/18/2013 506h													
Test Code: 200.8-DIS Date Prepared: 12/16/2013 930h													
Beryllium	0.176	mg/L	E200.8	0.0000698	0.00200	0.2000	0.000083	87.9	75 - 125				
Cadmium	0.172	mg/L	E200.8	0.0000726	0.000500	0.2000	0.000434	86.0	75 - 125				
Chromium	0.174	mg/L	E200.8	0.000938	0.00200	0.2000	0	86.9	75 - 125				
Cobalt	0.179	mg/L	E200.8	0.00364	0.00400	0.2000	0.00444	87.4	75 - 125				
Copper	0.173	mg/L	E200.8	0.00152	0.00200	0.2000	0	86.6	75 - 125				
Iron	0.889	mg/L	E200.8	0.0472	0.100	1.000	0	88.9	75 - 125				
Lead	0.171	mg/L	E200.8	0.00126	0.00200	0.2000	0	85.4	75 - 125				
Manganese	1.08	mg/L	E200.8	0.00166	0.00200	0.2000	0.975	54.2	75 - 125				1
Molybdenum	0.186	mg/L	E200.8	0.000496	0.00200	0.2000	0.00175	91.9	75 - 125				
Nickel	0.183	mg/L	E200.8	0.000898	0.00200	0.2000	0.0103	86.2	75 - 125				
Selenium	0.207	mg/L	E200.8	0.000686	0.00200	0.2000	0.0328	86.9	75 - 125				
Silver	0.173	mg/L	E200.8	0.000101	0.00200	0.2000	0.000118	86.3	75 - 125				
Uranium	0.200	mg/L	E200.8	0.0000598	0.00200	0.2000	0.0295	85.0	75 - 125				

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312280
Project: 4th Quarter Groundwater 2013

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:	**1312280-001EMS**	Date Analyzed:	12/18/2013 506h											
Test Code:	200.8-DIS	Date Prepared:	12/16/2013 930h											
Zinc		0.927	mg/L	E200.8	0.00368	0.00500	1.000	0.0203	90.6	75 - 125				
Lab Sample ID:	**1312280-001EMS**	Date Analyzed:	12/18/2013 1712h											
Test Code:	200.8-DIS	Date Prepared:	12/16/2013 930h											
Thallium		0.163	mg/L	E200.8	0.000222	0.00200	0.2000	0.00118	80.8	75 - 125				
Tin		1.01	mg/L	E200.8	0.000620	0.00200	1.000	0	101	75 - 125				
Lab Sample ID:	**1312280-001EMS**	Date Analyzed:	12/18/2013 1435h											
Test Code:	200.8-DIS	Date Prepared:	12/16/2013 930h											
Arsenic		0.185	mg/L	E200.8	0.00118	0.00200	0.2000	0	92.4	75 - 125				
Lab Sample ID:	**1312280-001EMS**	Date Analyzed:	12/18/2013 845h											
Test Code:	Hg-DW-DIS-245.1	Date Prepared:	12/17/2013 1700h											
Mercury		0.00344	mg/L	E245.1	0.0000175	0.000150	0.003330	0	103	85 - 115				

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

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

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312280
Project: 4th Quarter Groundwater 2013

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: 1312280-001EMSD	Date Analyzed:	12/19/2013 1639h											
Test Code: 200.7-DIS	Date Prepared:	12/16/2013 930h											
Calcium	455	mg/L	E200.7	1.14	50.0	10.00	425	306	70 - 130	407	11.3	20	2
Magnesium	267	mg/L	E200.7	5.10	50.0	10.00	239	286	70 - 130	235	12.7	20	2
Lab Sample ID: 1312280-001EMSD	Date Analyzed:	12/19/2013 1728h											
Test Code: 200.7-DIS	Date Prepared:	12/16/2013 930h											
Vanadium	0.185	mg/L	E200.7	0.00150	0.00500	0.2000	0	92.3	70 - 130	0.18	2.74	20	
Lab Sample ID: 1312280-001EMSD	Date Analyzed:	12/20/2013 1313h											
Test Code: 200.7-DIS	Date Prepared:	12/16/2013 930h											
Sodium	844	mg/L	E200.7	2.57	50.0	10.00	785	591	70 - 130	742	12.9	20	2
Lab Sample ID: 1312280-001EMSD	Date Analyzed:	12/20/2013 1415h											
Test Code: 200.7-DIS	Date Prepared:	12/16/2013 930h											
Potassium	33.8	mg/L	E200.7	1.02	5.00	10.00	23.3	106	70 - 130	31.7	6.46	20	
Lab Sample ID: 1312280-001EMSD	Date Analyzed:	12/18/2013 512h											
Test Code: 200.8-DIS	Date Prepared:	12/16/2013 930h											
Beryllium	0.183	mg/L	E200.8	0.0000698	0.00200	0.2000	0.000083	91.3	75 - 125	0.176	3.74	20	
Cadmium	0.180	mg/L	E200.8	0.0000726	0.000500	0.2000	0.000434	89.5	75 - 125	0.172	4.06	20	
Chromium	0.181	mg/L	E200.8	0.000938	0.00200	0.2000	0	90.7	75 - 125	0.174	4.34	20	
Cobalt	0.185	mg/L	E200.8	0.00364	0.00400	0.2000	0.00444	90.3	75 - 125	0.179	3.19	20	
Copper	0.179	mg/L	E200.8	0.00152	0.00200	0.2000	0	89.5	75 - 125	0.173	3.33	20	
Iron	0.912	mg/L	E200.8	0.0472	0.100	1.000	0	91.2	75 - 125	0.889	2.53	20	
Lead	0.179	mg/L	E200.8	0.00126	0.00200	0.2000	0	89.4	75 - 125	0.171	4.55	20	
Manganese	1.20	mg/L	E200.8	0.00166	0.00200	0.2000	0.975	114	75 - 125	1.08	10.5	20	
Molybdenum	0.192	mg/L	E200.8	0.000496	0.00200	0.2000	0.00175	95.3	75 - 125	0.186	3.55	20	
Nickel	0.189	mg/L	E200.8	0.000898	0.00200	0.2000	0.0103	89.1	75 - 125	0.183	3.15	20	
Selenium	0.212	mg/L	E200.8	0.000686	0.00200	0.2000	0.0328	89.4	75 - 125	0.207	2.37	20	
Silver	0.178	mg/L	E200.8	0.000101	0.00200	0.2000	0.000118	89.0	75 - 125	0.173	3.08	20	
Uranium	0.215	mg/L	E200.8	0.0000598	0.00200	0.2000	0.0295	92.9	75 - 125	0.2	7.58	20	

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312280
Project: 4th Quarter Groundwater 2013

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:	**1312280-001EMSD**	Date Analyzed:	12/18/2013 512h											
Test Code:	200.8-DIS	Date Prepared:	12/16/2013 930h											
Zinc		0.927	mg/L	E200.8	0.00368	0.00500	1.000	0.0203	90.7	75 - 125	0.927	0.0678	20	
Lab Sample ID:	**1312280-001EMSD**	Date Analyzed:	12/18/2013 1719h											
Test Code:	200.8-DIS	Date Prepared:	12/16/2013 930h											
Thallium		0.170	mg/L	E200.8	0.000222	0.00200	0.2000	0.00118	84.6	75 - 125	0.163	4.53	20	
Tin		1.04	mg/L	E200.8	0.000620	0.00200	1.000	0	104	75 - 125	1.01	2.68	20	
Lab Sample ID:	**1312280-001EMSD**	Date Analyzed:	12/18/2013 1441h											
Test Code:	200.8-DIS	Date Prepared:	12/16/2013 930h											
Arsenic		0.193	mg/L	E200.8	0.00118	0.00200	0.2000	0	96.6	75 - 125	0.185	4.48	20	
Lab Sample ID:	**1312280-001EMSD**	Date Analyzed:	12/18/2013 846h											
Test Code:	Hg-DW-DIS-245.1	Date Prepared:	12/17/2013 1700h											
Mercury		0.00329	mg/L	E245.1	0.0000175	0.000150	0.003330	0	98.9	85 - 115	0.00344	4.28	20	

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

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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115
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: 1312280
Project: 4th Quarter Groundwater 2013

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: 1312280-001CDUP Date Analyzed: 12/13/2013 1500h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	5,890	mg/L	SM2540C	8.00	20.0					5860	0.476	5	

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312280
Project: 4th Quarter Groundwater 2013

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-R62725 Date Analyzed: 12/13/2013 1259h Test Code: 300.0-W													
Chloride	5.08	mg/L	E300.0	0.0114	0.100	5.000	0	102	90 - 110				
Sulfate	4.88	mg/L	E300.0	0.177	0.750	5.000	0	97.5	90 - 110				
Lab Sample ID: LCS-R62809 Date Analyzed: 12/16/2013 1844h Test Code: 300.0-W													
Fluoride	5.28	mg/L	E300.0	0.0126	0.100	5.000	0	106	90 - 110				
Lab Sample ID: LCS-R62733 Date Analyzed: 12/16/2013 714h Test Code: ALK-W-2320B													
Alkalinity (as CaCO3)	51,000	mg/L	SM2320B	4.53	10.0	50,000	0	102	90 - 110				
Lab Sample ID: LCS-29520 Date Analyzed: 12/19/2013 1335h Test Code: NH3-W-350.1 Date Prepared: 12/18/2013 1335h													
Ammonia (as N)	0.989	mg/L	E350.1	0.0277	0.0500	1.000	0	98.9	90 - 110				
Lab Sample ID: LCS-62999 Date Analyzed: 12/18/2013 1703h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	0.957	mg/L	E353.2	0.00252	0.100	1.000	0	95.7	90 - 110				
Lab Sample ID: LCS-R62775 Date Analyzed: 12/13/2013 1500h Test Code: TDS-W-2540C													
Total Dissolved Solids	208	mg/L	SM2540C	4.00	10.0	205.0	0	101	80 - 120				

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312280
Project: 4th Quarter Groundwater 2013

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-R62725	Date Analyzed:	12/13/2013 1236h											
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0114	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.177	0.750								
Lab Sample ID: MB-R62809	Date Analyzed:	12/16/2013 1755h											
Test Code: 300.0-W													
Fluoride	< 0.100	mg/L	E300.0	0.0126	0.100								
Lab Sample ID: MB-R62733	Date Analyzed:	12/16/2013 714h											
Test Code: ALK-W-2320B													
Bicarbonate (as CaCO3)	< 10.0	mg/L	SM2320B	4.53	10.0								
Carbonate (as CaCO3)	< 10.0	mg/L	SM2320B	4.53	10.0								
Lab Sample ID: MB-29520	Date Analyzed:	12/19/2013 1334h											
Test Code: NH3-W-350.1	Date Prepared:	12/18/2013 1335h											
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0277	0.0500								
Lab Sample ID: MB-62999	Date Analyzed:	12/18/2013 1702h											
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.100	mg/L	E353.2	0.00252	0.100								
Lab Sample ID: MB-R62775	Date Analyzed:	12/13/2013 1500h											
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	4.00	10.0								

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312280
Project: 4th Quarter Groundwater 2013

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: 1312280-001BMS Date Analyzed: 12/13/2013 2155h Test Code: 300.0-W													
Chloride	25,300	mg/L	E300.0	57.0	500	25,000	80.7	101	90 - 110				
Sulfate	27,500	mg/L	E300.0	885	3,750	25,000	3760	94.8	90 - 110				
Lab Sample ID: 1312280-001BMS Date Analyzed: 12/16/2013 2347h Test Code: 300.0-W													
Fluoride	49.6	mg/L	E300.0	0.126	1.00	50.00	1.28	96.6	90 - 110				
Lab Sample ID: 1312280-001BMS Date Analyzed: 12/16/2013 714h Test Code: ALK-W-2320B													
Alkalinity (as CaCO3)	362	mg/L	SM2320B	4.53	10.0	50.00	312	100	80 - 120				
Lab Sample ID: 1312280-001DMS Date Analyzed: 12/19/2013 1337h Test Code: NH3-W-350.1 Date Prepared: 12/18/2013 1335h													
Ammonia (as N)	0.849	mg/L	E350.1	0.0277	0.0500	1.000	0	84.9	90 - 110				1
Lab Sample ID: 1312280-005DMS Date Analyzed: 12/18/2013 1711h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	14.8	mg/L	E353.2	0.0252	1.00	10.00	2.55	122	90 - 110				1

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

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Jose Rocha
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312280
Project: 4th Quarter Groundwater 2013

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: 1312280-001BMSD Date Analyzed: 12/13/2013 2218h Test Code: 300.0-W													
Chloride	26,000	mg/L	E300.0	57.0	500	25,000	80.7	104	90 - 110	25300	2.76	20	
Sulfate	28,100	mg/L	E300.0	885	3,750	25,000	3760	97.5	90 - 110	27500	2.44	20	
Lab Sample ID: 1312280-001BMSD Date Analyzed: 12/17/2013 010h Test Code: 300.0-W													
Fluoride	50.8	mg/L	E300.0	0.126	1.00	50.00	1.28	99.0	90 - 110	49.6	2.37	20	
Lab Sample ID: 1312280-001BMSD Date Analyzed: 12/16/2013 714h Test Code: ALK-W-2320B													
Alkalinity (as CaCO3)	362	mg/L	SM2320B	4.53	10.0	50.00	312	100	80 - 120	362	0	10	
Lab Sample ID: 1312280-001DMSD Date Analyzed: 12/19/2013 1339h Test Code: NH3-W-350.1 Date Prepared: 12/18/2013 1335h													
Ammonia (as N)	0.901	mg/L	E350.1	0.0277	0.0500	1.000	0	90.1	90 - 110	0.849	5.90	10	
Lab Sample ID: 1312280-005DMSD Date Analyzed: 12/18/2013 1713h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	14.3	mg/L	E353.2	0.0252	1.00	10.00	2.55	117	90 - 110	14.8	3.45	10	1

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

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312280
Project: 4th Quarter Groundwater 2013

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 121313B Date Analyzed: 12/13/2013 1643h													
Test Code: 8260-W													
Benzene	21.7	µg/L	SW8260C	0.149	2.00	20.00	0	108	62 - 127				
Chloroform	22.4	µg/L	SW8260C	0.277	2.00	20.00	0	112	67 - 132				
Methylene chloride	23.1	µg/L	SW8260C	0.155	2.00	20.00	0	115	32 - 185				
Naphthalene	19.3	µg/L	SW8260C	0.547	2.00	20.00	0	96.6	28 - 136				
Tetrahydrofuran	18.9	µg/L	SW8260C	0.874	2.00	20.00	0	94.6	43 - 146				
Toluene	20.8	µg/L	SW8260C	0.429	2.00	20.00	0	104	64 - 129				
Xylenes, Total	63.5	µg/L	SW8260C	0.870	2.00	60.00	0	106	52 - 134				
Surr: 1,2-Dichloroethane-d4	52.5	µg/L	SW8260C			50.00		105	76 - 138				
Surr: 4-Bromofluorobenzene	48.0	µg/L	SW8260C			50.00		96.0	77 - 121				
Surr: Dibromofluoromethane	51.2	µg/L	SW8260C			50.00		102	67 - 128				
Surr: Toluene-d8	48.7	µg/L	SW8260C			50.00		97.3	81 - 135				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312280
Project: 4th Quarter Groundwater 2013

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 121313B	Date Analyzed:	12/13/2013 1720h											
Test Code: 8260-W													
2-Butanone	< 20.0	µg/L	SW8260C	1.45	20.0								
Acetone	< 20.0	µg/L	SW8260C	3.35	20.0								
Benzene	< 1.00	µg/L	SW8260C	0.149	1.00								
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.137	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.277	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.127	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.155	1.00								
Naphthalene	< 1.00	µg/L	SW8260C	0.547	1.00								
Tetrahydrofuran	< 1.00	µg/L	SW8260C	0.874	1.00								
Toluene	< 1.00	µg/L	SW8260C	0.429	1.00								
Xylenes, Total	< 1.00	µg/L	SW8260C	0.870	1.00								
Surr: 1,2-Dichloroethane-d4	53.4	µg/L	SW8260C			50.00		107	76 - 138				
Surr: 4-Bromofluorobenzene	50.8	µg/L	SW8260C			50.00		102	77 - 121				
Surr: Dibromofluoromethane	49.9	µg/L	SW8260C			50.00		99.8	67 - 128				
Surr: Toluene-d8	50.6	µg/L	SW8260C			50.00		101	81 - 135				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312280
Project: 4th Quarter Groundwater 2013

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: 1312280-001AMS Date Analyzed: 12/13/2013 2217h Test Code: 8260-W													
Benzene	20.2	µg/L	SW8260C	0.149	2.00	20.00	0	101	66 - 145				
Chloroform	20.6	µg/L	SW8260C	0.277	2.00	20.00	0	103	50 - 146				
Methylene chloride	20.4	µg/L	SW8260C	0.155	2.00	20.00	0	102	30 - 192				
Naphthalene	16.6	µg/L	SW8260C	0.547	2.00	20.00	0	83.2	41 - 131				
Tetrahydrofuran	27.3	µg/L	SW8260C	0.874	2.00	20.00	4.86	112	43 - 146				
Toluene	19.1	µg/L	SW8260C	0.429	2.00	20.00	0	95.4	18 - 192				
Xylenes, Total	56.0	µg/L	SW8260C	0.870	2.00	60.00	0	93.3	42 - 167				
Surr: 1,2-Dichloroethane-d4	53.2	µg/L	SW8260C			50.00		106	72 - 151				
Surr: 4-Bromofluorobenzene	49.9	µg/L	SW8260C			50.00		99.8	80 - 128				
Surr: Dibromofluoromethane	51.7	µg/L	SW8260C			50.00		103	80 - 124				
Surr: Toluene-d8	48.3	µg/L	SW8260C			50.00		96.5	77 - 129				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312280
Project: 4th Quarter Groundwater 2013

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: 1312280-001AMSD Date Analyzed: 12/13/2013 2235h													
Test Code: 8260-W													
Benzene	19.4	µg/L	SW8260C	0.149	2.00	20.00	0	97.0	66 - 145	20.2	3.94	25	
Chloroform	20.1	µg/L	SW8260C	0.277	2.00	20.00	0	100	50 - 146	20.6	2.56	25	
Methylene chloride	19.0	µg/L	SW8260C	0.155	2.00	20.00	0	94.8	30 - 192	20.4	7.07	25	
Naphthalene	16.6	µg/L	SW8260C	0.547	2.00	20.00	0	83.0	41 - 131	16.6	0.241	25	
Tetrahydrofuran	27.8	µg/L	SW8260C	0.874	2.00	20.00	4.86	115	43 - 146	27.3	1.96	25	
Toluene	18.5	µg/L	SW8260C	0.429	2.00	20.00	0	92.7	18 - 192	19.1	2.82	25	
Xylenes, Total	53.6	µg/L	SW8260C	0.870	2.00	60.00	0	89.3	42 - 167	56	4.40	25	
Surr: 1,2-Dichloroethane-d4	53.6	µg/L	SW8260C			50.00		107	72 - 151				
Surr: 4-Bromofluorobenzene	50.1	µg/L	SW8260C			50.00		100	80 - 128				
Surr: Dibromofluoromethane	51.3	µg/L	SW8260C			50.00		103	80 - 124				
Surr: Toluene-d8	48.8	µg/L	SW8260C			50.00		97.5	77 - 129				

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UL
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WORK ORDER Summary

Work Order: **1312280**

Client: Energy Fuels Resources, Inc. Due Date: 12/24/2013

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **4th Quarter Groundwater 2013** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Project specific DL's: see COC. Metals samples have been field filtered. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1312280-001A	**MW-03_12112013**	12/11/2013 0800h	12/13/2013 1310h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1312280-001B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312280-001C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1312280-001D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1312280-001E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312280-002A	**MW-03A_12112013**	12/11/2013 0645h	12/13/2013 1310h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1312280-002B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312280-002C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				

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WORK ORDER Summary

Work Order: **1312280**

Client: Energy Fuels Resources, Inc. Due Date: 12/24/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1312280-002D	**MW-03A_12112013**	12/11/2013 0645h	12/13/2013 1310h	**NH3-W-350.1**	Aqueous	☑	df - no2/no3 & nh3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1312280-002E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312280-003A	**MW-12_12092013**	12/9/2013 1515h	12/13/2013 1310h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1312280-003B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312280-003C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1312280-003D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1312280-003E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	

WORK ORDER Summary

Work Order: **1312280**

Client: Energy Fuels Resources, Inc.

Due Date: 12/24/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1312280-003E	**MW-12_12092013**	12/9/2013 1515h	12/13/2013 1310h	**IONBALANCE**	Aqueous	☑	df-met	1
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312280-004A	**MW-17_12092013**	12/9/2013 1230h	12/13/2013 1310h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1312280-004B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312280-004C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1312280-004D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1312280-004E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312280-005A	**MW-22_12102013**	12/10/2013 1200h	12/13/2013 1310h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1312280-005B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312280-005C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1312280-005D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				

WORK ORDER Summary

Work Order: **1312280**

Client: Energy Fuels Resources, Inc. Due Date: 12/24/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1312280-005E	**MW-22_12102013**	12/10/2013 1200h	12/13/2013 1310h	**200.7-DIS**	Aqueous	☑	df-met	1
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312280-006A	**MW-24_12122013**	12/12/2013 0800h	12/13/2013 1310h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1312280-006B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312280-006C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1312280-006D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1312280-006E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312280-007A	**MW-70_12112013**	12/11/2013 0800h	12/13/2013 1310h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				

WORK ORDER Summary

Work Order: **1312280**

Client: Energy Fuels Resources, Inc. Due Date: 12/24/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1312280-007B	**MW-70_12112013**	12/11/2013 0800h	12/13/2013 1310h	**300.0-W**	Aqueous	☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312280-007C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1312280-007D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1312280-007E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312280-008A	**Trip Blank**	12/9/2013	12/13/2013 1310h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				

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AMERICAN WEST ANALYTICAL LABORATORIES

463 W. 3600 S. SALT LAKE CITY, UT 84115
PHONE # (801) 263-8686 TOLL FREE # (888) 263-8686
FAX # (801) 263-8687 EMAIL AWAL@AWAL-LABS.COM
WWW.AWAL-LABS.COM

CHAIN OF CUSTODY

ALL ANALYSIS WILL BE CONDUCTED USING NELAP ACCREDITED METHODS AND ALL DATA WILL BE REPORTED USING AWAL'S STANDARD ANALYTE LISTS AND REPORTING LIMITS (PQL) UNLESS SPECIFICALLY REQUESTED OTHERWISE ON THIS CHAIN OF CUSTODY AND/OR ATTACHED DOCUMENTATION.

1312280

AWAL LAB SAMPLE SET #
PAGE 1 OF 1

QC LEVEL:	TURN AROUND TIME:	UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE.	DUE DATE:
3	STANDARD		

CLIENT: Energy Fuels Resources, Inc.
ADDRESS: 6425 S. Hwy. 191
Blanding, UT 84511
CONTACT: Garrin Palmer
PHONE #: (435) 678-2221 CELL #:
EMAIL: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
PROJECT NAME: 4th Quarter Groundwater 2013
PROJECT #:
PO #:
SAMPLER NAME: Tanner Holliday

	SAMPLE ID:	DATE SAMPLED	TIME SAMPLED	# OF CONTAINERS	SAMPLE MATRIX	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	KNOWN HAZARDS & SAMPLE COMMENTS
1	MW-03_12112013	12/11/2013	800	7	W	X	X	X	X	X	X	X	X	X	X	
2	MW-03A_12112013	12/11/2013	645	7	W	X	X	X	X	X	X	X	X	X	X	
3	MW-12_12092013	12/9/2013	1515	7	W	X	X	X	X	X	X	X	X	X	X	
4	MW-17_12092013	12/9/2013	1230	7	W	X	X	X	X	X	X	X	X	X	X	
5	MW-22_12102013	12/10/2013	1200	7	W	X	X	X	X	X	X	X	X	X	X	
6	MW-24_12122013	12/12/2013	800	7	W	X	X	X	X	X	X	X	X	X	X	
7	MW-70_12112013	12/11/2013	800	7	W	X	X	X	X	X	X	X	X	X	X	
8	TRIP BLANK	12/9/2013		3	W										X	
9	TEMP BLANK	12/12/2013														
10																
11																
12																

X INCLUDE EDD:
LOCUS UPLOAD
EXCEL
X FIELD FILTERED FOR:
Dissolved Metals

FOR COMPLIANCE WITH:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ NON-COMPLIANCE
☐ OTHER:

LABORATORY USE ONLY

SAMPLES WERE: Fed-X
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

COC TAPE WAS:
1 PRESENT ON OUTER PACKAGE (Y) N NA
2 UNBROKEN ON OUTER PACKAGE (Y) N NA
3 PRESENT ON SAMPLE Y N (NA)
4 UNBROKEN ON SAMPLE Y N (NA)

DISCREPANCIES BETWEEN SAMPLE LABELS AND COC RECORD? Y (N)

RELINQUISHED BY: SIGNATURE	DATE	RECEIVED BY: SIGNATURE	DATE
PRINT NAME: Tanner Holliday	TIME: 1100	PRINT NAME:	TIME:
RELINQUISHED BY: SIGNATURE	DATE:	RECEIVED BY: SIGNATURE	DATE: 12/13/13
PRINT NAME:	TIME:	PRINT NAME: Elma	TIME: 1310
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: 13/2280

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7											
Ammonia	pH <2 H_2SO_4	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											
NO_2 & NO_3	pH <2 H_2SO_4	Yes	Yes	Yes	Yes	Yes	Yes	Yes											
O & G	pH <2 HCL																		
Phenols	pH <2 H_2SO_4																		
Sulfide	pH > 9NaOH, Zn Acetate																		
TKN	pH <2 H_2SO_4																		
T PO_4	pH <2 H_2SO_4																		

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted

Frequency: All samples requiring preservation

* The sample required additional preservative upon receipt.

\+ The sample was received unpreserved

▲ The Sample was received unpreserved and therefore preserved upon receipt.

\# The sample pH was unadjustable to a pH < 2 due to the sample matrix

• The sample pH was unadjustable to a pH > ____ due to the sample matrix interference

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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: (435) 678-2221

RE: 4th Quarter Groundwater 2013

Dear Garrin Palmer: Lab Set ID: 1312464

American West Analytical Laboratories received 4 sample(s) on 12/23/2013 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, 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=Quality Assurance Officer, email=jose@awal-labs.com, c=US
Date: 2014.01.07 15:50:38 -07'00'

Laboratory Director or designee

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

SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Set ID: 1312464
Date Received: 12/23/2013 1250h

463 West 3600 South
Salt Lake City, UT 84115

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
1312464-001A	MW-20_12182013	12/18/2013 840h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312464-001B	MW-20_12182013	12/18/2013 840h	Aqueous	Anions, E300.0
1312464-001B	MW-20_12182013	12/18/2013 840h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312464-001C	MW-20_12182013	12/18/2013 840h	Aqueous	Total Dissolved Solids, A2540C
1312464-001D	MW-20_12182013	12/18/2013 840h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312464-001D	MW-20_12182013	12/18/2013 840h	Aqueous	Ammonia, Aqueous
1312464-001E	MW-20_12182013	12/18/2013 840h	Aqueous	ICP Metals, Dissolved
1312464-001E	MW-20_12182013	12/18/2013 840h	Aqueous	ICPMS Metals, Dissolved
1312464-001E	MW-20_12182013	12/18/2013 840h	Aqueous	Mercury, Drinking Water Dissolved
1312464-001E	MW-20_12182013	12/18/2013 840h	Aqueous	Ion Balance
1312464-002A	MW-23_12182013	12/18/2013 1245h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312464-002B	MW-23_12182013	12/18/2013 1245h	Aqueous	Anions, E300.0
1312464-002B	MW-23_12182013	12/18/2013 1245h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312464-002C	MW-23_12182013	12/18/2013 1245h	Aqueous	Total Dissolved Solids, A2540C
1312464-002D	MW-23_12182013	12/18/2013 1245h	Aqueous	Ammonia, Aqueous
1312464-002D	MW-23_12182013	12/18/2013 1245h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312464-002E	MW-23_12182013	12/18/2013 1245h	Aqueous	ICP Metals, Dissolved
1312464-002E	MW-23_12182013	12/18/2013 1245h	Aqueous	ICPMS Metals, Dissolved
1312464-002E	MW-23_12182013	12/18/2013 1245h	Aqueous	Mercury, Drinking Water Dissolved
1312464-002E	MW-23_12182013	12/18/2013 1245h	Aqueous	Ion Balance
1312464-003A	MW-37_12182013	12/18/2013 820h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312464-003B	MW-37_12182013	12/18/2013 820h	Aqueous	Alkalinity/ Bicarbonate/ Carbonate, A2320B
1312464-003B	MW-37_12182013	12/18/2013 820h	Aqueous	Anions, E300.0
1312464-003C	MW-37_12182013	12/18/2013 820h	Aqueous	Total Dissolved Solids, A2540C
1312464-003D	MW-37_12182013	12/18/2013 820h	Aqueous	Ammonia, Aqueous
1312464-003D	MW-37_12182013	12/18/2013 820h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312464-003E	MW-37_12182013	12/18/2013 820h	Aqueous	ICP Metals, Dissolved
1312464-003E	MW-37_12182013	12/18/2013 820h	Aqueous	ICPMS Metals, Dissolved
1312464-003E	MW-37_12182013	12/18/2013 820h	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

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: 4th Quarter Groundwater 2013
Lab Set ID: 1312464
Date Received: 12/23/2013 1250h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1312464-003E	MW-37_12182013	12/18/2013 820h	Aqueous	Ion Balance
1312464-004A	Trip Blank	12/18/2013	Aqueous	VOA by GC/MS Method 8260C/5030C

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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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:	4th Quarter Groundwater 2013
Lab Set ID:	1312464

Sample Receipt Information:

Date of Receipt:	12/23/2013
Date(s) of Collection:	12/18/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis and preparation of all samples were performed within the method holding times. All 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
1312464-002D	Nitrate/Nitrite	MS/MSD	Sample matrix interference
1312465-004A	Nitrate/Nitrite	MS/MSD	Sample matrix interference
1312464-001E	Calcium	MS/MSD	High analyte concentration
1312464-001E	Sodium	MS/MSD	High analyte concentration
1312465-009A	Manganese	MSD	High analyte concentration

Duplicates (DUP): The parameters that require a duplicate analysis had RPDs within the control limits, with the following exception: On sample 1312465-006D, the RPD for TDS was outside of its control limit due to low analyte concentration.

Corrective Action: None required.

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	4th Quarter Groundwater 2013
Lab Set ID:	1312464

Sample Receipt Information:

Date of Receipt:	12/23/2013
Date(s) of Collection:	12/18/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: No target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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-29605	Date Analyzed:	12/31/2013 1031h											
Test Code: 200.7-DIS	Date Prepared:	12/23/2013 1405h											
Calcium	9.85	mg/L	E200.7	0.0227	1.00	10.00	0	98.5	85 - 115				
Magnesium	10.0	mg/L	E200.7	0.102	1.00	10.00	0	100	85 - 115				
Potassium	10.1	mg/L	E200.7	0.203	1.00	10.00	0	101	85 - 115				
Sodium	9.94	mg/L	E200.7	0.0514	1.00	10.00	0	99.4	85 - 115				
Vanadium	0.198	mg/L	E200.7	0.00150	0.00500	0.2000	0	98.8	85 - 115				
Lab Sample ID: LCS-29606	Date Analyzed:	12/30/2013 1708h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Thallium	0.201	mg/L	E200.8	0.000222	0.00200	0.2000	0	100	85 - 115				
Tin	1.01	mg/L	E200.8	0.000620	0.00200	1.000	0	101	85 - 115				
Lab Sample ID: LCS-29606	Date Analyzed:	12/31/2013 230h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Cadmium	0.188	mg/L	E200.8	0.0000726	0.000500	0.2000	0	94.0	85 - 115				
Chromium	0.193	mg/L	E200.8	0.000938	0.00200	0.2000	0	96.5	85 - 115				
Cobalt	0.190	mg/L	E200.8	0.00364	0.00400	0.2000	0	94.8	85 - 115				
Copper	0.190	mg/L	E200.8	0.00152	0.00200	0.2000	0	94.9	85 - 115				
Lead	0.191	mg/L	E200.8	0.00126	0.00200	0.2000	0	95.7	85 - 115				
Molybdenum	0.190	mg/L	E200.8	0.000496	0.00200	0.2000	0	95.2	85 - 115				
Nickel	0.188	mg/L	E200.8	0.000898	0.00200	0.2000	0	94.2	85 - 115				
Selenium	0.196	mg/L	E200.8	0.000686	0.00200	0.2000	0	97.9	85 - 115				
Silver	0.188	mg/L	E200.8	0.000101	0.00200	0.2000	0	93.8	85 - 115				
Uranium	0.196	mg/L	E200.8	0.0000598	0.00200	0.2000	0	98.2	85 - 115				
Lab Sample ID: LCS-29736	Date Analyzed:	01/03/2014 1505h											
Test Code: 200.8-DIS	Date Prepared:	01/03/2014 1030h											
Manganese	0.205	mg/L	E200.8	0.00166	0.00200	0.2000	0	102	85 - 115				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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-29606**	Date Analyzed:	12/31/2013 1710h											
Test Code:	200.8-DIS	Date Prepared:	12/23/2013 1405h											
Arsenic		0.207	mg/L	E200.8	0.00118	0.00200	0.2000	0	104	85 - 115				
Zinc		1.06	mg/L	E200.8	0.00368	0.00500	1.000	0	106	85 - 115				
Lab Sample ID:	**LCS-29774**	Date Analyzed:	01/06/2014 1959h											
Test Code:	200.8-DIS	Date Prepared:	01/06/2014 1300h											
Iron		1.01	mg/L	E200.8	0.0472	0.100	1.000	0	101	85 - 115				
Lab Sample ID:	**LCS-29606**	Date Analyzed:	12/31/2013 1710h											
Test Code:	200.8-DIS	Date Prepared:	12/23/2013 1405h											
Beryllium		0.208	mg/L	E200.8	0.0000698	0.00200	0.2000	0	104	85 - 115				
Lab Sample ID:	**LCS-29615**	Date Analyzed:	12/24/2013 1053h											
Test Code:	Hg-DW-DIS-245.1	Date Prepared:	12/23/2013 1400h											
Mercury		0.00330	mg/L	E245.1	0.0000175	0.000150	0.003330	0	99.0	85 - 115				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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-29605	Date Analyzed:	12/31/2013 1027h											
Test Code: 200.7-DIS	Date Prepared:	12/23/2013 1405h											
Calcium	< 1.00	mg/L	E200.7	0.0227	1.00								
Magnesium	< 1.00	mg/L	E200.7	0.102	1.00								
Potassium	< 1.00	mg/L	E200.7	0.203	1.00								
Sodium	< 1.00	mg/L	E200.7	0.0514	1.00								
Vanadium	< 0.00500	mg/L	E200.7	0.00150	0.00500								
Lab Sample ID: MB-29606	Date Analyzed:	12/30/2013 1608h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Thallium	< 0.000500	mg/L	E200.8	0.0000555	0.000500								
Lab Sample ID: MB-29606	Date Analyzed:	12/30/2013 1658h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Tin	< 0.100	mg/L	E200.8	0.000620	0.100								
Lab Sample ID: MB-29606	Date Analyzed:	12/31/2013 224h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Cadmium	< 0.000500	mg/L	E200.8	0.0000726	0.000500								
Chromium	< 0.0250	mg/L	E200.8	0.000938	0.0250								
Cobalt	< 0.0100	mg/L	E200.8	0.00364	0.0100								
Copper	< 0.0100	mg/L	E200.8	0.00152	0.0100								
Molybdenum	< 0.0100	mg/L	E200.8	0.000496	0.0100								
Nickel	< 0.0200	mg/L	E200.8	0.000898	0.0200								
Selenium	< 0.00500	mg/L	E200.8	0.000686	0.00500								
Silver	< 0.0100	mg/L	E200.8	0.000101	0.0100								
Lab Sample ID: MB-29606	Date Analyzed:	12/31/2013 432h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Beryllium	< 0.000500	mg/L	E200.8	0.0000174	0.000500								
Lead	< 0.00100	mg/L	E200.8	0.000316	0.00100								

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Salt Lake City, UT 84115
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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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-29606**	Date Analyzed:	12/31/2013 509h											
Test Code:	200.8-DIS	Date Prepared:	12/23/2013 1405h											
Uranium		< 0.000300	mg/L	E200.8	0.00000598	0.000300								
Lab Sample ID:	**MB-29736**	Date Analyzed:	01/03/2014 1501h											
Test Code:	200.8-DIS	Date Prepared:	01/03/2014 1030h											
Manganese		< 0.0100	mg/L	E200.8	0.00166	0.0100								
Lab Sample ID:	**MB-29606**	Date Analyzed:	12/31/2013 1705h											
Test Code:	200.8-DIS	Date Prepared:	12/23/2013 1405h											
Arsenic		< 0.00500	mg/L	E200.8	0.00118	0.00500								
Zinc		< 0.0100	mg/L	E200.8	0.00368	0.0100								
Lab Sample ID:	**MB-29774**	Date Analyzed:	01/06/2014 1953h											
Test Code:	200.8-DIS	Date Prepared:	01/06/2014 1300h											
Iron		< 0.0300	mg/L	E200.8	0.0118	0.0300								
Lab Sample ID:	**MB-29615**	Date Analyzed:	12/24/2013 1051h											
Test Code:	Hg-DW-DIS-245.1	Date Prepared:	12/23/2013 1400h											
Mercury		< 0.000150	mg/L	E245.1	0.0000175	0.000150								

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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: 1312464-001EMS	Date Analyzed:	12/31/2013 1047h											
Test Code: 200.7-DIS	Date Prepared:	12/23/2013 1405h											
Calcium	356	mg/L	E200.7	1.14	50.0	10.00	339	171	70 - 130				2
Sodium	1,140	mg/L	E200.7	2.57	50.0	10.00	1140	-13.2	70 - 130				2
Lab Sample ID: 1312464-001EMS	Date Analyzed:	01/03/2014 1147h											
Test Code: 200.7-DIS	Date Prepared:	12/23/2013 1405h											
Magnesium	22.8	mg/L	E200.7	0.510	5.00	10.00	14.2	86.4	70 - 130				
Potassium	32.3	mg/L	E200.7	1.02	5.00	10.00	24.3	80.1	70 - 130				
Lab Sample ID: 1312464-001EMS	Date Analyzed:	01/03/2014 1411h											
Test Code: 200.7-DIS	Date Prepared:	12/23/2013 1405h											
Vanadium	0.202	mg/L	E200.7	0.00150	0.00500	0.2000	0.0138	94.0	70 - 130				
Lab Sample ID: 1312464-001EMS	Date Analyzed:	12/30/2013 1728h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Thallium	0.198	mg/L	E200.8	0.000222	0.00200	0.2000	0.000267	98.8	75 - 125				
Tin	1.01	mg/L	E200.8	0.000620	0.00200	1.000	0	101	75 - 125				
Lab Sample ID: 1312465-001AMS	Date Analyzed:	12/30/2013 1848h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Thallium	0.193	mg/L	E200.8	0.000222	0.00200	0.2000	0	96.3	75 - 125				
Tin	1.00	mg/L	E200.8	0.000620	0.00200	1.000	0	100	75 - 125				
Lab Sample ID: 1312464-001EMS	Date Analyzed:	12/31/2013 251h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Beryllium	0.195	mg/L	E200.8	0.0000698	0.00200	0.2000	0	97.6	75 - 125				
Cadmium	0.196	mg/L	E200.8	0.0000726	0.000500	0.2000	0	97.9	75 - 125				
Chromium	0.192	mg/L	E200.8	0.000938	0.00200	0.2000	0.00585	93.3	75 - 125				
Cobalt	0.187	mg/L	E200.8	0.00364	0.00400	0.2000	0	93.6	75 - 125				
Copper	0.186	mg/L	E200.8	0.00152	0.00200	0.2000	0.00158	92.2	75 - 125				
Lead	0.192	mg/L	E200.8	0.00126	0.00200	0.2000	0	95.9	75 - 125				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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: 1312464-001EMS Date Analyzed: 12/31/2013 251h													
Test Code: 200.8-DIS Date Prepared: 12/23/2013 1405h													
Molybdenum	0.221	mg/L	E200.8	0.000496	0.00200	0.2000	0.0221	99.5	75 - 125				
Nickel	0.188	mg/L	E200.8	0.000898	0.00200	0.2000	0	93.8	75 - 125				
Selenium	0.196	mg/L	E200.8	0.000686	0.00200	0.2000	0.00294	96.6	75 - 125				
Silver	0.193	mg/L	E200.8	0.000101	0.00200	0.2000	0.000101	96.3	75 - 125				
Uranium	0.203	mg/L	E200.8	0.0000598	0.00200	0.2000	0.0015	101	75 - 125				
Lab Sample ID: 1312465-001AMS Date Analyzed: 12/31/2013 333h													
Test Code: 200.8-DIS Date Prepared: 12/23/2013 1405h													
Beryllium	0.180	mg/L	E200.8	0.0000698	0.00200	0.2000	0	90.0	75 - 125				
Cadmium	0.182	mg/L	E200.8	0.0000726	0.000500	0.2000	0	91.0	75 - 125				
Chromium	0.191	mg/L	E200.8	0.000938	0.00200	0.2000	0	95.5	75 - 125				
Cobalt	0.185	mg/L	E200.8	0.00364	0.00400	0.2000	0	92.7	75 - 125				
Copper	0.186	mg/L	E200.8	0.00152	0.00200	0.2000	0	93.0	75 - 125				
Lead	0.178	mg/L	E200.8	0.00126	0.00200	0.2000	0	88.9	75 - 125				
Molybdenum	0.188	mg/L	E200.8	0.000496	0.00200	0.2000	0.0022	92.8	75 - 125				
Nickel	0.188	mg/L	E200.8	0.000898	0.00200	0.2000	0.0012	93.5	75 - 125				
Selenium	0.203	mg/L	E200.8	0.000686	0.00200	0.2000	0	102	75 - 125				
Silver	0.181	mg/L	E200.8	0.000101	0.00200	0.2000	0	90.3	75 - 125				
Uranium	0.185	mg/L	E200.8	0.0000598	0.00200	0.2000	0.00107	92.1	75 - 125				
Lab Sample ID: 1312464-001EMS Date Analyzed: 01/03/2014 1523h													
Test Code: 200.8-DIS Date Prepared: 01/03/2014 1030h													
Manganese	0.202	mg/L	E200.8	0.00166	0.00200	0.2000	0.00353	99.3	75 - 125				
Lab Sample ID: 1312465-009AMS Date Analyzed: 01/03/2014 1813h													
Test Code: 200.8-DIS Date Prepared: 01/03/2014 1030h													
Manganese	2.38	mg/L	E200.8	0.00416	0.00500	0.2000	2.19	97.7	75 - 125				

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Salt Lake City, UT 84115
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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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:	**1312464-001EMS**	Date Analyzed:	12/31/2013 1721h											
Test Code:	200.8-DIS	Date Prepared:	12/23/2013 1405h											
Arsenic		0.215	mg/L	E200.8	0.00118	0.00200	0.2000	0.00312	106	75 - 125				
Zinc		1.03	mg/L	E200.8	0.00368	0.00500	1.000	0	103	75 - 125				
Lab Sample ID:	**1312464-002EMS**	Date Analyzed:	01/06/2014 2030h											
Test Code:	200.8-DIS	Date Prepared:	01/06/2014 1300h											
Iron		1.09	mg/L	E200.8	0.236	0.500	1.000	0.124	96.8	75 - 125				
Lab Sample ID:	**1312464-001EMS**	Date Analyzed:	12/24/2013 1059h											
Test Code:	Hg-DW-DIS-245.1	Date Prepared:	12/23/2013 1400h											
Mercury		0.00343	mg/L	E245.1	0.0000175	0.000150	0.003330	0	103	85 - 115				

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

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QC SUMMARY REPORT

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Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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: 1312464-001EMSD	Date Analyzed:	12/31/2013 1051h											
Test Code: 200.7-DIS	Date Prepared:	12/23/2013 1405h											
Calcium	368	mg/L	E200.7	1.14	50.0	10.00	339	291	70 - 130	356	3.30	20	2
Sodium	1,200	mg/L	E200.7	2.57	50.0	10.00	1140	580	70 - 130	1140	5.08	20	2
Lab Sample ID: 1312464-001EMSD	Date Analyzed:	01/03/2014 1151h											
Test Code: 200.7-DIS	Date Prepared:	12/23/2013 1405h											
Magnesium	24.3	mg/L	E200.7	0.510	5.00	10.00	14.2	101	70 - 130	22.8	6.24	20	
Potassium	34.6	mg/L	E200.7	1.02	5.00	10.00	24.3	102	70 - 130	32.3	6.64	20	
Lab Sample ID: 1312464-001EMSD	Date Analyzed:	01/03/2014 1415h											
Test Code: 200.7-DIS	Date Prepared:	12/23/2013 1405h											
Vanadium	0.203	mg/L	E200.7	0.00150	0.00500	0.2000	0.0138	94.6	70 - 130	0.202	0.531	20	
Lab Sample ID: 1312464-001EMSD	Date Analyzed:	12/30/2013 1738h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Thallium	0.202	mg/L	E200.8	0.000222	0.00200	0.2000	0.000267	101	75 - 125	0.198	1.85	20	
Tin	1.02	mg/L	E200.8	0.000620	0.00200	1.000	0	102	75 - 125	1.01	0.991	20	
Lab Sample ID: 1312465-001AMSD	Date Analyzed:	12/30/2013 1858h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Thallium	0.197	mg/L	E200.8	0.000222	0.00200	0.2000	0	98.3	75 - 125	0.193	2.09	20	
Tin	1.01	mg/L	E200.8	0.000620	0.00200	1.000	0	101	75 - 125	1	0.536	20	
Lab Sample ID: 1312464-001EMSD	Date Analyzed:	12/31/2013 256h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Beryllium	0.191	mg/L	E200.8	0.0000698	0.00200	0.2000	0	95.4	75 - 125	0.195	2.30	20	
Cadmium	0.190	mg/L	E200.8	0.0000726	0.000500	0.2000	0	95.0	75 - 125	0.196	3.09	20	
Chromium	0.195	mg/L	E200.8	0.000938	0.00200	0.2000	0.00585	94.4	75 - 125	0.192	1.15	20	
Cobalt	0.188	mg/L	E200.8	0.00364	0.00400	0.2000	0	93.9	75 - 125	0.187	0.362	20	
Copper	0.188	mg/L	E200.8	0.00152	0.00200	0.2000	0.00158	93.1	75 - 125	0.186	0.922	20	
Lead	0.184	mg/L	E200.8	0.00126	0.00200	0.2000	0	92.1	75 - 125	0.192	3.97	20	

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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: 1312464-001EMSD	Date Analyzed:	12/31/2013 256h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Molybdenum	0.219	mg/L	E200.8	0.000496	0.00200	0.2000	0.0221	98.6	75 - 125	0.221	0.882	20	
Nickel	0.187	mg/L	E200.8	0.000898	0.00200	0.2000	0	93.3	75 - 125	0.188	0.514	20	
Selenium	0.193	mg/L	E200.8	0.000686	0.00200	0.2000	0.00294	94.9	75 - 125	0.196	1.71	20	
Silver	0.186	mg/L	E200.8	0.000101	0.00200	0.2000	0.000101	92.8	75 - 125	0.193	3.74	20	
Uranium	0.195	mg/L	E200.8	0.0000598	0.00200	0.2000	0.0015	97.0	75 - 125	0.203	3.57	20	
Lab Sample ID: 1312465-001AMSD	Date Analyzed:	12/31/2013 339h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Beryllium	0.183	mg/L	E200.8	0.0000698	0.00200	0.2000	0	91.6	75 - 125	0.18	1.71	20	
Cadmium	0.179	mg/L	E200.8	0.0000726	0.000500	0.2000	0	89.3	75 - 125	0.182	1.92	20	
Chromium	0.190	mg/L	E200.8	0.000938	0.00200	0.2000	0	95.2	75 - 125	0.191	0.324	20	
Cobalt	0.183	mg/L	E200.8	0.00364	0.00400	0.2000	0	91.5	75 - 125	0.185	1.24	20	
Copper	0.183	mg/L	E200.8	0.00152	0.00200	0.2000	0	91.6	75 - 125	0.186	1.55	20	
Lead	0.176	mg/L	E200.8	0.00126	0.00200	0.2000	0	88.1	75 - 125	0.178	0.858	20	
Molybdenum	0.185	mg/L	E200.8	0.000496	0.00200	0.2000	0.0022	91.4	75 - 125	0.188	1.55	20	
Nickel	0.189	mg/L	E200.8	0.000898	0.00200	0.2000	0.0012	94.0	75 - 125	0.188	0.484	20	
Selenium	0.184	mg/L	E200.8	0.000686	0.00200	0.2000	0	92.2	75 - 125	0.203	9.77	20	
Silver	0.178	mg/L	E200.8	0.000101	0.00200	0.2000	0	89.0	75 - 125	0.181	1.48	20	
Uranium	0.183	mg/L	E200.8	0.0000598	0.00200	0.2000	0.00107	91.0	75 - 125	0.185	1.20	20	
Lab Sample ID: 1312464-001EMSD	Date Analyzed:	01/03/2014 1527h											
Test Code: 200.8-DIS	Date Prepared:	01/03/2014 1030h											
Manganese	0.205	mg/L	E200.8	0.00166	0.00200	0.2000	0.00353	101	75 - 125	0.202	1.56	20	
Lab Sample ID: 1312465-009AMSD	Date Analyzed:	01/03/2014 1818h											
Test Code: 200.8-DIS	Date Prepared:	01/03/2014 1030h											
Manganese	2.54	mg/L	E200.8	0.00416	0.00500	0.2000	2.19	174	75 - 125	2.38	6.17	20	*

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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:	**1312464-001EMSD**	Date Analyzed:	12/31/2013 1726h											
Test Code:	200.8-DIS	Date Prepared:	12/23/2013 1405h											
Arsenic		0.215	mg/L	E200.8	0.00118	0.00200	0.2000	0.00312	106	75 - 125	0.215	0.178	20	
Zinc		1.04	mg/L	E200.8	0.00368	0.00500	1.000	0	104	75 - 125	1.03	0.791	20	
Lab Sample ID:	**1312464-002EMSD**	Date Analyzed:	01/06/2014 2036h											
Test Code:	200.8-DIS	Date Prepared:	01/06/2014 1300h											
Iron		1.07	mg/L	E200.8	0.236	0.500	1.000	0.124	94.5	75 - 125	1.09	2.14	20	
Lab Sample ID:	**1312464-001EMSD**	Date Analyzed:	12/24/2013 1101h											
Test Code:	Hg-DW-DIS-245.1	Date Prepared:	12/23/2013 1400h											
Mercury		0.00328	mg/L	E245.1	0.0000175	0.000150	0.003330	0	98.3	85 - 115	0.00343	4.51	20	

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

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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: 1312464-001CDUP Date Analyzed: 12/23/2013 1315h Test Code: TDS-W-2540C													
Total Dissolved Solids	5,140	mg/L	SM2540C	8.00	20.0					5150	0.156	5	
Lab Sample ID: 1312465-006DDUP Date Analyzed: 12/23/2013 1315h Test Code: TDS-W-2540C													
Total Dissolved Solids	1,420	mg/L	SM2540C	8.00	20.0					1500	6.03	5	#

 # - High RPD due to low analyte concentration. In this range, high RPDs are expected.

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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-R63147 Date Analyzed: 12/27/2013 1528h Test Code: 300.0-W													
Chloride	5.19	mg/L	E300.0	0.0114	0.100	5.000	0	104	90 - 110				
Fluoride	5.09	mg/L	E300.0	0.0126	0.100	5.000	0	102	90 - 110				
Sulfate	5.01	mg/L	E300.0	0.177	0.750	5.000	0	100	90 - 110				
Lab Sample ID: LCS-R63050 Date Analyzed: 12/24/2013 730h Test Code: ALK-W-2320B													
Alkalinity (as CaCO3)	51,000	mg/L	SM2320B	4.53	10.0	50,000	0	102	90 - 110				
Lab Sample ID: LCS-29628 Date Analyzed: 12/27/2013 1255h Test Code: NH3-W-350.1 Date Prepared: 12/26/2013 1100h													
Ammonia (as N)	0.988	mg/L	E350.1	0.0277	0.0500	1.000	0	98.8	90 - 110				
Lab Sample ID: LCS-63141 Date Analyzed: 12/27/2013 1723h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.03	mg/L	E353.2	0.00252	0.100	1.000	0	103	90 - 110				
Lab Sample ID: LCS-R63096 Date Analyzed: 12/23/2013 1315h Test Code: TDS-W-2540C													
Total Dissolved Solids	202	mg/L	SM2540C	4.00	10.0	205.0	0	98.5	80 - 120				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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-R63147 Date Analyzed: 12/27/2013 1503h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0114	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0126	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.177	0.750								
Lab Sample ID: MB-R63050 Date Analyzed: 12/24/2013 730h													
Test Code: ALK-W-2320B													
Bicarbonate (as CaCO3)	< 10.0	mg/L	SM2320B	4.53	10.0								
Carbonate (as CaCO3)	< 10.0	mg/L	SM2320B	4.53	10.0								
Lab Sample ID: MB-29628 Date Analyzed: 12/27/2013 1254h													
Test Code: NH3-W-350.1 Date Prepared: 12/26/2013 1100h													
Ammonia (as N)	< 0.0500	mg/L	E350.1	0.0277	0.0500								
Lab Sample ID: MB-63141 Date Analyzed: 12/27/2013 1720h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.100	mg/L	E353.2	0.00252	0.100								
Lab Sample ID: MB-R63096 Date Analyzed: 12/23/2013 1315h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	4.00	10.0								

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Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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: 1312464-001BMS Date Analyzed: 12/27/2013 2328h Test Code: 300.0-W													
Chloride	25,700	mg/L	E300.0	57.0	500	25,000	67.6	102	90 - 110				
Fluoride	25,300	mg/L	E300.0	63.0	500	25,000	0	101	90 - 110				
Sulfate	28,200	mg/L	E300.0	885	3,750	25,000	3140	100	90 - 110				
Lab Sample ID: 1312465-006BMS Date Analyzed: 12/28/2013 224h Test Code: 300.0-W													
Chloride	5,380	mg/L	E300.0	11.4	100	5,000	203	104	90 - 110				
Fluoride	5,100	mg/L	E300.0	12.6	100	5,000	0	102	90 - 110				
Sulfate	5,660	mg/L	E300.0	177	750	5,000	656	100	90 - 110				
Lab Sample ID: 1312464-001BMS Date Analyzed: 12/24/2013 730h Test Code: ALK-W-2320B													
Alkalinity (as CaCO3)	90.4	mg/L	SM2320B	4.53	10.0	50.00	41.2	98.4	80 - 120				
Lab Sample ID: 1312464-001DMS Date Analyzed: 12/27/2013 1302h Test Code: NH3-W-350.1 Date Prepared: 12/26/2013 1100h													
Ammonia (as N)	1.17	mg/L	E350.1	0.0277	0.0500	1.000	0.157	101	90 - 110				
Lab Sample ID: 1312464-002DMS Date Analyzed: 12/27/2013 1749h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.34	mg/L	E353.2	0.00252	0.100	1.000	0.23	111	90 - 110				1
Lab Sample ID: 1312465-004AMS Date Analyzed: 12/27/2013 1807h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	8.77	mg/L	E353.2	0.0126	0.500	5.000	2.56	124	90 - 110				1

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

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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: 1312464-001BMSD Date Analyzed: 12/27/2013 2353h													
Test Code: 300.0-W													
Chloride	25,900	mg/L	E300.0	57.0	500	25,000	67.6	103	90 - 110	25700	0.745	20	
Fluoride	25,400	mg/L	E300.0	63.0	500	25,000	0	102	90 - 110	25300	0.559	20	
Sulfate	28,100	mg/L	E300.0	885	3,750	25,000	3140	99.9	90 - 110	28200	0.246	20	
Lab Sample ID: 1312465-006BMSD Date Analyzed: 12/28/2013 250h													
Test Code: 300.0-W													
Chloride	5,360	mg/L	E300.0	11.4	100	5,000	203	103	90 - 110	5380	0.401	20	
Fluoride	5,110	mg/L	E300.0	12.6	100	5,000	0	102	90 - 110	5100	0.206	20	
Sulfate	5,610	mg/L	E300.0	177	750	5,000	656	99.1	90 - 110	5660	0.754	20	
Lab Sample ID: 1312464-001BMSD Date Analyzed: 12/24/2013 730h													
Test Code: ALK-W-2320B													
Alkalinity (as CaCO3)	90.4	mg/L	SM2320B	4.53	10.0	50.00	41.2	98.4	80 - 120	90.4	0	10	
Lab Sample ID: 1312464-001DMSD Date Analyzed: 12/27/2013 1303h													
Test Code: NH3-W-350.1 Date Prepared: 12/26/2013 1100h													
Ammonia (as N)	1.16	mg/L	E350.1	0.0277	0.0500	1.000	0.157	100	90 - 110	1.17	0.945	10	
Lab Sample ID: 1312464-002DMSD Date Analyzed: 12/27/2013 1751h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.37	mg/L	E353.2	0.00252	0.100	1.000	0.23	114	90 - 110	1.34	1.77	10	1
Lab Sample ID: 1312465-004AMSD Date Analyzed: 12/27/2013 1809h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	8.59	mg/L	E353.2	0.0126	0.500	5.000	2.56	121	90 - 110	8.77	2.10	10	1

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

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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: 1312464
Project: 4th Quarter Groundwater 2013

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 122313B Date Analyzed: 12/23/2013 1337h													
Test Code: 8260-W													
Benzene	20.7	µg/L	SW8260C	0.149	2.00	20.00	0	104	62 - 127				
Chloroform	20.9	µg/L	SW8260C	0.277	2.00	20.00	0	104	67 - 132				
Methylene chloride	20.6	µg/L	SW8260C	0.155	2.00	20.00	0	103	32 - 185				
Naphthalene	20.3	µg/L	SW8260C	0.547	2.00	20.00	0	101	28 - 136				
Tetrahydrofuran	19.2	µg/L	SW8260C	0.874	2.00	20.00	0	96.0	43 - 146				
Toluene	20.8	µg/L	SW8260C	0.429	2.00	20.00	0	104	64 - 129				
Xylenes, Total	63.8	µg/L	SW8260C	0.870	2.00	60.00	0	106	52 - 134				
Surr: 1,2-Dichloroethane-d4	50.9	µg/L	SW8260C			50.00		102	76 - 138				
Surr: 4-Bromofluorobenzene	47.6	µg/L	SW8260C			50.00		95.2	77 - 121				
Surr: Dibromofluoromethane	50.2	µg/L	SW8260C			50.00		100	67 - 128				
Surr: Toluene-d8	48.6	µg/L	SW8260C			50.00		97.2	81 - 135				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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 122313B Date Analyzed: 12/23/2013 1415h													
Test Code: 8260-W													
2-Butanone	< 20.0	µg/L	SW8260C	1.45	20.0								
Acetone	< 20.0	µg/L	SW8260C	3.35	20.0								
Benzene	< 1.00	µg/L	SW8260C	0.149	1.00								
Carbon tetrachloride	< 1.00	µg/L	SW8260C	0.137	1.00								
Chloroform	< 1.00	µg/L	SW8260C	0.277	1.00								
Chloromethane	< 1.00	µg/L	SW8260C	0.127	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.155	1.00								
Naphthalene	< 1.00	µg/L	SW8260C	0.547	1.00								
Tetrahydrofuran	< 1.00	µg/L	SW8260C	0.874	1.00								
Toluene	< 1.00	µg/L	SW8260C	0.429	1.00								
Xylenes, Total	< 1.00	µg/L	SW8260C	0.870	1.00								
Surr: 1,2-Dichloroethane-d4	52.2	µg/L	SW8260C			50.00		104	76 - 138				
Surr: 4-Bromofluorobenzene	48.2	µg/L	SW8260C			50.00		96.3	77 - 121				
Surr: Dibromofluoromethane	50.0	µg/L	SW8260C			50.00		99.9	67 - 128				
Surr: Toluene-d8	48.2	µg/L	SW8260C			50.00		96.5	81 - 135				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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: 1312465-004DMS Date Analyzed: 12/23/2013 2016h													
Test Code: 8260-W													
Benzene	1,050	µg/L	SW8260C	7.45	100	1,000	0	105	66 - 145				
Chloroform	2,650	µg/L	SW8260C	13.8	100	1,000	1680	97.1	50 - 146				
Methylene chloride	1,130	µg/L	SW8260C	7.75	100	1,000	0	113	30 - 192				
Naphthalene	1,000	µg/L	SW8260C	27.4	100	1,000	0	100	41 - 131				
Tetrahydrofuran	810	µg/L	SW8260C	43.7	100	1,000	0	81.0	43 - 146				
Toluene	1,040	µg/L	SW8260C	21.4	100	1,000	0	104	18 - 192				
Xylenes, Total	3,160	µg/L	SW8260C	43.5	100	3,000	0	105	42 - 167				
Surr: 1,2-Dichloroethane-d4	2,630	µg/L	SW8260C			2,500		105	72 - 151				
Surr: 4-Bromofluorobenzene	2,370	µg/L	SW8260C			2,500		94.7	80 - 128				
Surr: Dibromofluoromethane	2,560	µg/L	SW8260C			2,500		102	80 - 124				
Surr: Toluene-d8	2,380	µg/L	SW8260C			2,500		95.1	77 - 129				
Lab Sample ID: 1312464-001AMS Date Analyzed: 12/23/2013 1919h													
Test Code: 8260-W													
Benzene	20.5	µg/L	SW8260C	0.149	2.00	20.00	0	103	66 - 145				
Chloroform	21.1	µg/L	SW8260C	0.277	2.00	20.00	0	106	50 - 146				
Methylene chloride	21.5	µg/L	SW8260C	0.155	2.00	20.00	0	108	30 - 192				
Naphthalene	18.9	µg/L	SW8260C	0.547	2.00	20.00	0	94.6	41 - 131				
Tetrahydrofuran	20.0	µg/L	SW8260C	0.874	2.00	20.00	0	99.8	43 - 146				
Toluene	20.2	µg/L	SW8260C	0.429	2.00	20.00	0	101	18 - 192				
Xylenes, Total	61.0	µg/L	SW8260C	0.870	2.00	60.00	0	102	42 - 167				
Surr: 1,2-Dichloroethane-d4	54.0	µg/L	SW8260C			50.00		108	72 - 151				
Surr: 4-Bromofluorobenzene	47.8	µg/L	SW8260C			50.00		95.6	80 - 128				
Surr: Dibromofluoromethane	52.3	µg/L	SW8260C			50.00		105	80 - 124				
Surr: Toluene-d8	48.7	µg/L	SW8260C			50.00		97.3	77 - 129				

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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115
Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312464
Project: 4th Quarter Groundwater 2013

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: 1312465-004DMSD Date Analyzed: 12/23/2013 2035h													
Test Code: 8260-W													
Benzene	1,040	µg/L	SW8260C	7.45	100	1,000	0	104	66 - 145	1050	1.63	25	
Chloroform	2,610	µg/L	SW8260C	13.8	100	1,000	1680	93.4	50 - 146	2650	1.43	25	
Methylene chloride	1,120	µg/L	SW8260C	7.75	100	1,000	0	112	30 - 192	1130	1.34	25	
Naphthalene	1,000	µg/L	SW8260C	27.4	100	1,000	0	100	41 - 131	1000	0	25	
Tetrahydrofuran	812	µg/L	SW8260C	43.7	100	1,000	0	81.2	43 - 146	810	0.247	25	
Toluene	1,030	µg/L	SW8260C	21.4	100	1,000	0	103	18 - 192	1040	0.969	25	
Xylenes, Total	3,130	µg/L	SW8260C	43.5	100	3,000	0	104	42 - 167	3160	0.907	25	
Surr: 1,2-Dichloroethane-d4	2,640	µg/L	SW8260C			2,500		106	72 - 151				
Surr: 4-Bromofluorobenzene	2,380	µg/L	SW8260C			2,500		95.2	80 - 128				
Surr: Dibromofluoromethane	2,580	µg/L	SW8260C			2,500		103	80 - 124				
Surr: Toluene-d8	2,400	µg/L	SW8260C			2,500		96.1	77 - 129				
Lab Sample ID: 1312464-001AMSD Date Analyzed: 12/23/2013 1938h													
Test Code: 8260-W													
Benzene	19.4	µg/L	SW8260C	0.149	2.00	20.00	0	97.0	66 - 145	20.5	5.57	25	
Chloroform	19.9	µg/L	SW8260C	0.277	2.00	20.00	0	99.7	50 - 146	21.1	5.85	25	
Methylene chloride	20.8	µg/L	SW8260C	0.155	2.00	20.00	0	104	30 - 192	21.5	3.50	25	
Naphthalene	18.2	µg/L	SW8260C	0.547	2.00	20.00	0	91.1	41 - 131	18.9	3.82	25	
Tetrahydrofuran	18.4	µg/L	SW8260C	0.874	2.00	20.00	0	91.9	43 - 146	20	8.35	25	
Toluene	19.3	µg/L	SW8260C	0.429	2.00	20.00	0	96.5	18 - 192	20.2	4.71	25	
Xylenes, Total	58.2	µg/L	SW8260C	0.870	2.00	60.00	0	97.0	42 - 167	61	4.65	25	
Surr: 1,2-Dichloroethane-d4	53.4	µg/L	SW8260C			50.00		107	72 - 151				
Surr: 4-Bromofluorobenzene	48.0	µg/L	SW8260C			50.00		96.0	80 - 128				
Surr: Dibromofluoromethane	52.0	µg/L	SW8260C			50.00		104	80 - 124				
Surr: Toluene-d8	48.3	µg/L	SW8260C			50.00		96.6	77 - 129				

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American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1312464**

Client: Energy Fuels Resources, Inc. Due Date: 1/3/14

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **4th Quarter Groundwater 2013** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Project specific DL's: see COC. Run 200.8 on the Agilent. Metals have been field filtered. EDD-Denison and EIM-Locus. Email Group.;

AE

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1312464-001A	**MW-20_12182013**	12/18/2013 0840h	12/23/2013 1250h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1312464-001B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312464-001C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1312464-001D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1312464-001E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312464-002A	**MW-23_12182013**	12/18/2013 1245h	12/23/2013 1250h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1312464-002B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312464-002C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				

Printed: 12/23/13 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☑ RT ☑ CN ☑ TAT ☑ QC ☑ HOK_____ HOK_____ HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1312464**

Client: Energy Fuels Resources, Inc. Due Date: 1/3/14

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1312464-002D	**MW-23_12182013**	12/18/2013 1245h	12/23/2013 1250h	**NH3-W-350.1**	Aqueous	☑	df - no2/no3 & nh3	1
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1312464-002E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	
				IONBALANCE		☑	df-met	
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312464-003A	**MW-37_12182013**	12/18/2013 0820h	12/23/2013 1250h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				
1312464-003B				**300.0-W**		☑	df - wc	1
				3 SEL Analytes: CL F SO4				
				ALK-W-2320B		☑	df - wc	
				2 SEL Analytes: ALKB ALKC				
1312464-003C				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1312464-003D				**NH3-W-350.1**		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NH3N				
				NH3-W-PR		☑	df - no2/no3 & nh3	
				NO2/NO3-W-353.2		☑	df - no2/no3 & nh3	
				1 SEL Analytes: NO3NO2N				
1312464-003E				**200.7-DIS**		☑	df-met	
				5 SEL Analytes: CA MG K NA V				
				200.7-DIS-PR		☑	df-met	
				200.8-DIS		☑	df-met	
				17 SEL Analytes: AS BE CD CR CO CU FE PB MN MO NI SE AG TL SN U ZN				
				200.8-DIS-PR		☑	df-met	
				HG-DW-DIS-245.1		☑	df-met	
				1 SEL Analytes: HG				
				HG-DW-DIS-PR		☑	df-met	

WORK ORDER Summary

Work Order: **1312464**

Client: Energy Fuels Resources, Inc. Due Date: 1/3/14

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1312464-003E	**MW-37_12182013**	12/18/2013 0820h	12/23/2013 1250h	**IONBALANCE**	Aqueous	☑	df-met	1
				5 SEL Analytes: BALANCE Anions Cations TDS-Balance TDS-Calc				
1312464-004A	**Trip Blank**	12/18/2013	12/23/2013 1250h	**8260-W**	Aqueous	☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 11 / # of Surr: 4				

AWAL Use Only, Close Hold Times

Test Code	# Samps	Min. days left
TDS-W-2540C	3	1.78

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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.

1312464
AWAL LAB SAMPLE SET #
PAGE 1 OF 1

QC LEVEL:	TURN AROUND TIME:	UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE, SIGNED REPORTS WILL BE EMAILED BY 5:00 PM ON THE DAY THEY ARE DUE.	DUE DATE:
3	STANDARD		

CLIENT: Energy Fuels Resources, Inc.
ADDRESS: 6425 S. Hwy. 191
Blanding, UT 84511
CONTACT: Garrin Palmer
PHONE #: (435) 678-2221 CELL #:
EMAIL: gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
PROJECT NAME: 4th Quarter Groundwater 2013
PROJECT #:
PO #:
SAMPLER NAME: Tanner Holliday

	SAMPLE ID:	DATE SAMPLED	TIME SAMPLED	# OF CONTAINERS	SAMPLE MATRIX	NO2/NO3 (353.2)	NH3 (4500G or 350.1)	Fl, Cl, SO4 (4500 or 300.0)	TDS (2540C)	Carb/Bicarb (2320B)	Dissolved Metals (200.7/200.8/245.1)	As, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Hg, Mo,	Ni, Se, Ag, Tl, Sn, U, V, Zn, Na, K, Mg, Ca	Ion Balance	VOCs (8260C)	KNOWN HAZARDS & SAMPLE COMMENTS
1	MW-20_12182013	12/18/13	840	7	W	X	X	X	X	X	X	X	X	X	X	
2	MW-23_12182013	12/18/13	1245	7	W	X	X	X	X	X	X	X	X	X	X	
3	MW-37_12182013	12/18/13	820	7	W	X	X	X	X	X	X	X	X	X	X	
4	TRIP BLANK	12/18/13		3	W										X	
5	TEMP BLANK	12/19/13		1	W											
6																
7																
8																
9																
10																
11																
12																

X INCLUDE EDD:
LOCUS UPLOAD
EXCEL
X FIELD FILTERED FOR:
Dissolved Metals

FOR COMPLIANCE WITH:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ NON-COMPLIANCE
☐ OTHER:

LABORATORY USE ONLY

SAMPLES WERE: FedEx
1 SHIPPED OR HAND DELIVERED
2 AMBIENT OR CHILLED
3 TEMPERATURE 2.9 °C
4 RECEIVED BROKEN/LEAKING (IMPROPERLY SEALED) Y (N)
5 PROPERLY PRESERVED (Y) N
CHECKED AT BENCH Y N
6 RECEIVED WITHIN HOLDING TIMES (Y) N

COC TAPE WAS:
1 PRESENT ON OUTER PACKAGE Y N (NA)
2 UNBROKEN ON OUTER PACKAGE Y N (NA)
3 PRESENT ON SAMPLE Y N (NA)
4 UNBROKEN ON SAMPLE Y N (NA)

DISCREPANCIES BETWEEN SAMPLE LABELS AND COC RECORD? Y (N)

RELINQUISHED BY: SIGNATURE / PRINT NAME	DATE / TIME	RECEIVED BY: SIGNATURE / PRINT NAME	DATE / TIME
Tanner Holliday / Tanner Holliday	12/19/2013 1100	Amber Clark	12/20/13 12:50

SPECIAL INSTRUCTIONS:

Sample containers for metals were field filtered. See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Table 3 – AWAL Analyte List, Reporting Limits and Analytical Method Requirements

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
Nutrients					
Ammonia (as N)	A4500-NH3 G or E350.1	0.05 mg/L	28 days	H_2SO_4 to pH<2	≤ 6°C
Nitrate & Nitrite (as N)	E353.1 or E353.2	0.1 mg/L	28 days	H_2SO_4 to pH<2	≤ 6°C
Volatile Organic Compounds – Groundwater, Seeps and Springs and Tailings Impoundment					
Acetone	SW8260B or SW8260C	20 µg/L	14 days	HCl to pH<2	≤ 6°C
Benzene	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
2-Butanone (MEK)	SW8260B or SW8260C	20 µg/L	14 days	HCl to pH<2	≤ 6°C
Carbon Tetrachloride	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloroform	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloromethane	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Dichloromethane (Methylene Chloride)	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Naphthalene	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Tetrahydrofuran	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Toluene	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Xylenes (total)	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Others					
Fluoride	A4500-F C or E300.0	0.1 mg/L	28 days	None	≤ 6°C
TDS	A2540 C	10 mg/L	7 days	None	≤ 6°C

Contaminant	Analytical Methods To be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
General Inorganics					
Chloride	A4500-Cl B or A4500-Cl E or E300.0	1 mg/L	28 days	None	≤ 6°C
Sulfate	A4500-SO4 E or E300.0	1 mg/L	28 days	None	≤ 6°C
Carbonate as CO3	A2320 B	1 mg/L	14 days	None	≤ 6°C
Bicarbonate as HCO3	A2320 B	1 mg/L	14 days	None	
Volatile Organic Compounds - Chloroform Program					
Carbon Tetrachloride	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloroform	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Dichloromethane (Methylene Chloride)	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
Chloromethane	SW8260B or SW8260C	1.0 µg/L	14 days	HCl to pH<2	≤ 6°C
SVOCs - Tailings Impoundment Samples Only					
1,2,4-Trichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,2-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,3-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1,4-Dichlorobenzene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
1-Methylnaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4,5-Trichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4,6-Trichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dichlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dimethylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,4-Dinitrophenol	SW8270D	<20 ug/L	7/40 days	None	≤ 6°C
2,4-Dinitrotoluene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2,6-Dinitrotoluene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Chloronaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Chlorophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Methylnaphthalene	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
2-Nitrophenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
3&4-Methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
3,3'-Dichlorobenzidine	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C
4,6-Dinitro-2-methylphenol	SW8270D	<10 ug/L	7/40 days	None	≤ 6°C

-RW 6/5/13

Table 3 – GEL Groundwater, Tailings Impoundment, and Seeps and Springs Sampling

Contaminant	Analytical Methods to be Used	Reporting Limit	Maximum Holding Times	Sample Preservation Requirements	Sample Temperature Requirements
Heavy Metals					
Arsenic	E200.7 or E200.8	5 µg/L	6 months	HNO_3 to pH<2	None
Beryllium	E200.7 or E200.8	0.50 µg/L	6 months	HNO_3 to pH<2	None
Cadmium	E200.7 or E200.8	0.50 µg/L	6 months	HNO_3 to pH<2	None
Chromium	E200.7 or E200.8	25 µg/L	6 months	HNO_3 to pH<2	None
Cobalt	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Copper	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Iron	E200.7 or E200.8	30 µg/L	6 months	HNO_3 to pH<2	None
Lead	E200.7 or E200.8	1.0 µg/L	6 months	HNO_3 to pH<2	None
Manganese	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Mercury	E 245.1 or E200.7 or E200.8	0.50 µg/L	28 days	HNO_3 to pH<2	None
Molybdenum	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Nickel	E200.7 or E200.8	20 µg/L	6 months	HNO_3 to pH<2	None
Selenium	E200.7 or E200.8	5 µg/L	6 months	HNO_3 to pH<2	None
Silver	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Thallium	E200.7 or E200.8	0.50 µg/L	6 months	HNO_3 to pH<2	None
Tin	E200.7 or E200.8	100 µg/L	6 months	HNO_3 to pH<2	None
Uranium	E200.7 or E200.8	0.30 µg/L	6 months	HNO_3 to pH<2	None
Vanadium	E200.7 or E200.8	15 µg/L	6 months	HNO_3 to pH<2	None
Zinc	E200.7 or E200.8	10 µg/L	6 months	HNO_3 to pH<2	None
Sodium	E200.7	0.5 mg/L	6 months	HNO_3 to pH<2	None
Potassium	E200.7	0.5 mg/L	6 months	HNO_3 to pH<2	None
Magnesium	E200.7	0.5 mg/L	6 months	HNO_3 to pH<2	None
Calcium	E200.7	0.5 mg/L	6 months	HNO_3 to pH<2	None
Radiologics					
Gross Alpha	E 900.0 or E900.1	1.0 pCi/L	6 months	HNO_3 to pH<2	None

**-RW 3/27/13

-RW 2/27/2013

Table 4 Fee Schedule

Analyte Group	Cost per Sample
Full Suite Metals	
Partial Suite Metals (cost per individual metal)	
Gross alpha	

** - per email from Kathy Weinel 3/27/13 -RW

[redacted]

RW 3/27/13

Lab Set ID: 1312464

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	-001	-002	-003														
Ammonia	pH <2 H_2SO_4	Yes	Yes	Yes														
COD	pH <2 H_2SO_4																	
Cyanide	pH >12 NaOH																	
Metals	pH <2 HNO_3	Yes	Yes	Yes														
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

www.gel.com

December 26, 2013

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 338950

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on December 10, 2013. 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. 4505.

Sincerely,

Heather Shaffer

Heather Shaffer
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 338950

December 26, 2013

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 December 10, 2013 for analysis.

Sample Identification: The laboratory received the following samples:

Laboratory ID	Client ID
338950001	MW-01_12042013
338950002	MW-02_12052013
338950003	MW-05_12042013
338950004	MW-18_12032013
338950005	MW-19_12032019
338950006	MW-27_12042013
338950007	MW-28_12042013

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.

Heather Shaffer

Heather Shaffer
Project Manager

338950

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
4th Quarter Groundwater 2013	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-01_12042013	12/4/2013	950	Gross Alpha
MW-02_12052013	12/5/2013	900	Gross Alpha
MW-05_12042013	12/4/2013	1400	Gross Alpha
MW-18_12032013	12/3/2013	1400	Gross Alpha
MW-19_12032013	12/3/2013	1530	Gross Alpha
MW-27_12042013	12/4/2013	1430	Gross Alpha
MW-28_12042013	12/4/2013	1010	Gross Alpha
			ALL SAMPLES ARE FIELD FILTERED

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	12/5/13 1100	P. Nent	12-10 09:30
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL | Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI			SDG/AR/COC/Work Order: 338950	
Received By: P. Went			Date Received: 12.10-13	
Suspected Hazard Information	**Yes**	**No**	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.	
COC/Samples marked as radioactive?		X	Maximum Net Counts Observed* (Observed Counts - Area Background Counts):	0 CPM
Classified Radioactive II or III by RSO?		X	If yes, Were swipes taken of sample contatiners < action levels?	
COC/Samples marked containing PCBs?		X		
Package, COC, and/or Samples marked as beryllium or asbestos containing?		X	If yes, samples are to be segregeated as Safety Controlled Samples, and opened by the GEL Safety Group.	
Shipped as a DOT Hazardous?		X	Hazard Class Shipped:	UN#:
Samples identified as Foreign Soil?		X		

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*			X	Preservation Method: Ice bags Blue ice Dry ice None (21) Other (describe) *all temperatures are recorded in Celsius
2a	Daily check performed and passed on IR temperature gun?	X			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): 130462966
3	Chain of custody documents included with shipment?	X			
4	Sample containers intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	X			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	VOA vials free of headspace (defined as < 6mm bubble)?		X		Sample ID's and containers affected:
7	Are Encore containers present?			X	(If yes, immediately deliver to Volatiles laboratory)
8	Samples received within holding time?	X			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	X			Sample ID's and containers affected:
10	Date & time on COC match date & time on bottles?	X			Sample ID's affected:
11	Number of containers received match number indicated on COC?	X			Sample ID's affected:
12	Are sample containers identifiable as GEL provided?	X			
13	COC form is properly signed in relinquished/received sections?	X			
14	Carrier and tracking number.	X			Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 8015 5308 3533-21

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials SE Date 12.11.13 Page 1 of 1

GEL Laboratories LLC − Login Review Report

GEL Work Order/SDG: 338950 4th Quarter Groundwater 2013
Client SDG: 338950
Project Manager: Heather Shaffer
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 07-JAN-14
Package Due Date: 04-JAN-14
EDD Due Date: 07-JAN-14
Due Date: 07-JAN-14
HXS1

Collector: C
Prelogin #: 20131211283
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
338950001	MW-01_12042013		04-DEC-13 09:50	10-DEC-13 09:30	-2	1	GROUND WATER		20		1		
338950002	MW-02_12052013		05-DEC-13 09:00	10-DEC-13 09:30	-2	1	GROUND WATER		20		1		
338950003	MW-05_12042013		04-DEC-13 14:00	10-DEC-13 09:30	-2	1	GROUND WATER		20		1		
338950004	MW-18_12032013		03-DEC-13 14:00	10-DEC-13 09:30	-2	1	GROUND WATER		20		1		
338950005	MW-19_12032019		03-DEC-13 15:30	10-DEC-13 09:30	-2	1	GROUND WATER		20		1		
338950006	MW-27_12042013		04-DEC-13 14:30	10-DEC-13 09:30	-2	1	GROUND WATER		20		1		
338950007	MW-28_12042013		04-DEC-13 10:10	10-DEC-13 09:30	-2	1	GROUND WATER		20		1		

	Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data	Receive Codes
-001	MW-01_12042013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-002	MW-02_12052013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-003	MW-05_12042013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-004	MW-18_12032013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-005	MW-19_12032019	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-006	MW-27_12042013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-007	MW-28_12042013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001, 002, 003, 004, 005, 006, 007
Parmname Check: All parmnames scheduled properly

Path: Standard
Product Reference: Gross Alpha
Moisture Correction: "As Received"

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

GEL Laboratories LLC – Login Review Report

Action	Product Name	Description	Samples
Contingent Tests			

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry Case Narrative
Energy Fuels Resources (DNMI)
SDG 338950

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1352658

Sample ID	Client ID
338950001	MW-01_12042013
338950002	MW-02_12052013
338950003	MW-05_12042013
338950004	MW-18_12032013
338950005	MW-19_12032013
338950006	MW-27_12042013
338950007	MW-28_12042013
1203001581	Method Blank (MB)
1203001582	338950001(MW-01_12042013) Sample Duplicate (DUP)
1203001583	338950001(MW-01_12042013) Matrix Spike (MS)
1203001584	338950001(MW-01_12042013) Matrix Spike Duplicate (MSD)
1203001585	Laboratory Control Sample (LCS)

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.

Designated QC
The following sample was used for QC: 338950001 (MW-01_12042013).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Sample Re-prep/Re-analysis
Sample 1203001583 (MW-01_12042013) was recounted due to low recovery. The recount is reported.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

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.

Additional Comments
The matrix spike and matrix spike duplicate, 1203001583 (MW-01_12042013) and 1203001584 (MW-01_12042013), 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: 338950 GEL Work Order: 338950

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: 02 JAN 2014 **Title: Analyst II**

GEL LABORATORIES LLC

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

QC Summary

Report Date: January 2, 2014

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

Contact: **Ms. Kathy Weinel**

Workorder: **338950**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch 1352658											
QC1203001582 338950001 DUP											
Gross Radium Alpha	U	0.537	U	0.278	pCi/L	N/A		N/A	KDF1	12/21/13	16:3
	Uncertainty	+/-0.318		+/-0.274							
QC1203001585 LCS											
Gross Radium Alpha	555			432	pCi/L		77.9	(75%-125%)		12/21/13	16:3
	Uncertainty			+/-5.96							
QC1203001581 MB											
Gross Radium Alpha			U	0.419	pCi/L					12/21/13	16:3
	Uncertainty			+/-0.292							
QC1203001583 338950001 MS											
Gross Radium Alpha	1120 U	0.537		847	pCi/L		75.8	(75%-125%)		12/22/13	16:2
	Uncertainty	+/-0.318		+/-11.0							
QC1203001584 338950001 MSD											
Gross Radium Alpha	1120 U	0.537		1010	pCi/L	17.9	90.7	(0%-20%)		12/21/13	16:3
	Uncertainty	+/-0.318		+/-13.5							

Notes:

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

The Qualifiers in this report are defined as follows:

**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
A	The TIC is a suspected aldol-condensation product
B	For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
F	Estimated Value
H	Analytical holding time was exceeded
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
M	M if above MDC and less than LLD
M	Matrix Related Failure
N/A	RPD or %Recovery limits do not apply.
N1	See case narrative
ND	Analyte concentration is not detected above the detection limit

QC Summary

Workorder: 338950

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.
^ 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

www.gel.com

January 06, 2014

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 339269

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on December 13, 2013. 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. 4505.

Sincerely,

Heather Shaffer

Heather Shaffer
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 339269

January 06, 2014

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 December 13, 2013 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
339269001	MW-03_12112013
339269002	MW-03A_12112013
339269003	MW-12_12092013
339269004	MW-17_12092013
339269005	MW-22_12102013
339269006	MW-24_12122013
339269007	MW-70_12112013

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.

Heather Shaffer

Heather Shaffer
Project Manager

339269

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
4th Quarter Groundwater 2013	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-03_12112013	12/11/2013	800	Gross Alpha
MW-03A_12112013	12/11/2013	645	Gross Alpha
MW-12_12092013	12/9/2013	1515	Gross Alpha
MW-17_12092013	12/9/2013	1230	Gross Alpha
MW-22_12102013	12/10/2013	1200	Gross Alpha
MW-24_12122013	12/12/2013	800	Gross Alpha
MW-70_12112013	12/11/2013	800	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	12/12/13 1100		12-13-13 0942
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI			**SDG/AR/COC/Work Order:** 392269
Received By: JP			**Date Received:** 12-13-13
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 contatiners < action levels?
COC/Samples marked containing PCBs?		✓	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		✓	If yes, samples are to be segregeated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		✓	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		✓	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	✓			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		✓		Preservation Method: Ice bags Blue ice Dry ice (None) Other (describe) *all temperatures are recorded in Celsius 13
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: 130412961 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	VOA vials free of headspace (defined as < 6mm bubble)?		✓		Sample ID's and containers affected:
7	Are Encore containers present?			✓	(If yes, immediately deliver to Volatiles laboratory)
8	Samples received within holding time?	✓			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	✓			Sample ID's and containers affected:
10	Date & time on COC match date & time on bottles?	✓			Sample ID's affected:
11	Number of containers received match number indicated on COC?	✓			Sample ID's affected:
12	Are sample containers identifiable as GEL provided?	✓			
13	COC form is properly signed in relinquished/received sections?	✓			
14	Carrier and tracking number.				Circle Applicable: (FedEx Air) FedEx Ground UPS Field Services Courier Other 8030 3446 7158

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials SE Date 12.17.13 Page 1 of 1

GEL Laboratories LLC − Login Review Report

GEL Work Order/SDG: 339269
Client SDG: 339269
Project Manager: Heather Shaffer
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 10-JAN-14
Package Due Date: 07-JAN-14
EDD Due Date: 10-JAN-14
Due Date: 10-JAN-14
HXT1

Collector: C
Prelogin #: 20131009675
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
339269001	MW-03_12112013		11-DEC-13 08:00	13-DEC-13 09:40	-2	1	GROUND WATER		20		1		
339269002	MW-03A_12112013		11-DEC-13 06:45	13-DEC-13 09:40	-2	1	GROUND WATER		20		1		
339269003	MW-12_12092013		09-DEC-13 15:15	13-DEC-13 09:40	-2	1	GROUND WATER		20		1		
339269004	MW-17_12092013		09-DEC-13 12:30	13-DEC-13 09:40	-2	1	GROUND WATER		20		1		
339269005	MW-22_12102013		10-DEC-13 12:00	13-DEC-13 09:40	-2	1	GROUND WATER		20		1		
339269006	MW-24_12122013		12-DEC-13 08:00	13-DEC-13 09:40	-2	1	GROUND WATER		20		1		
339269007	MW-70_12112013		11-DEC-13 08:00	13-DEC-13 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-03_12112013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-002 MW-03A_12112013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-003 MW-12_12092013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-004 MW-17_12092013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-005 MW-22_12102013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-006 MW-24_12122013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-007 MW-70_12112013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001, 002, 003, 004, 005, 006, 007
Parmname Check: All parmnames scheduled properly

Path: Standard
Product Reference: Gross Alpha
Moisture Correction: "As Received"

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

GEL Laboratories LLC – Login Review Report

Action	Product Name	Description	Samples

Contingent Tests

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry Case Narrative
Energy Fuels Resources (DNMI)
SDG 339269

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1352658

Sample ID	Client ID
339269001	MW-03_12112013
339269002	MW-03A_12112013
339269003	MW-12_12092013
339269004	MW-17_12092013
339269005	MW-22_12102013
339269006	MW-24_12122013
339269007	MW-70_12112013
1203001581	Method Blank (MB)
1203001582	338950001(MW-01_12042013) Sample Duplicate (DUP)
1203001583	338950001(MW-01_12042013) Matrix Spike (MS)
1203001584	338950001(MW-01_12042013) Matrix Spike Duplicate (MSD)
1203001585	Laboratory Control Sample (LCS)

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.

Designated QC
The following sample was used for QC: 338950001 (MW-01_12042013).

QC Information
All of the QC samples met the required acceptance limits.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Sample Re-prep/Re-analysis
Sample 1203001583 (MW-01_12042013) was recounted due to low recovery. The recount is reported.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

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.

Additional Comments
The matrix spike and matrix spike duplicate, 1203001583 (MW-01_12042013) and 1203001584 (MW-01_12042013), 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: 339269 GEL Work Order: 339269

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Heather McCarty **Name: Heather McCarty**

Date: 02 JAN 2014 **Title: Analyst II**

GEL LABORATORIES LLC

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

QC Summary

Report Date: January 2, 2014

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

Contact: **Ms. Kathy Weinel**

Workorder: **339269**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1352658										
QC1203001582 338950001 DUP										
Gross Radium Alpha	U	0.537	U	0.278	pCi/L	N/A		N/A	KDF1	12/21/13 16:3
	Uncertainty	+/-0.318		+/-0.274						
QC1203001585 LCS										
Gross Radium Alpha	555			432	pCi/L		77.9	(75%-125%)		12/21/13 16:3
	Uncertainty			+/-5.96						
QC1203001581 MB										
Gross Radium Alpha			U	0.419	pCi/L					12/21/13 16:3
	Uncertainty			+/-0.292						
QC1203001583 338950001 MS										
Gross Radium Alpha	1120 U	0.537		847	pCi/L		75.8	(75%-125%)		12/22/13 16:2
	Uncertainty	+/-0.318		+/-11.0						
QC1203001584 338950001 MSD										
Gross Radium Alpha	1120 U	0.537		1010	pCi/L	17.9	90.7	(0%-20%)		12/21/13 16:3
	Uncertainty	+/-0.318		+/-13.5						

Notes:

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

The Qualifiers in this report are defined as follows:

**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
A	The TIC is a suspected aldol-condensation product
B	For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
F	Estimated Value
H	Analytical holding time was exceeded
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
M	M if above MDC and less than LLD
M	Matrix Related Failure
N/A	RPD or %Recovery limits do not apply.
N1	See case narrative
ND	Analyte concentration is not detected above the detection limit

QC Summary

Workorder: 339269

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.
^ 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

www.gel.com

January 14, 2014

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 339762

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on December 20, 2013. 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. 4505.

Sincerely,

Heather Shaffer

Heather Shaffer
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 339762

January 14, 2014

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 December 20, 2013 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
339762001	MW-23_12182013
339762002	MW-37_12182013
339762003	MW-20_12182013

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.

Heather Shaffer

Heather Shaffer
Project Manager

339762

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
4th Quarter GW 2013	Garrin Palmer	Garrin Palmer

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-23_12182013	12/18/2013	1245	Gross Alpha
MW-37_12182013	12/18/2013	820	Gross Alpha
MW-20_12182013	12/18/2013	840	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer	12/19/2013 1200	P. Nelson	1245 12-20-13
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	SDG/AR/COC/Work Order: 339762
Received By: P. Ward	Date Received: 12-20-13

Suspected Hazard Information	Yes	No	
COC/Samples marked as radioactive?		X	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
Classified Radioactive II or III by RSO?		X	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM
COC/Samples marked containing PCBs?		X	If yes, Were swipes taken of sample contatiners < action levels?
Package, COC, and/or Samples marked as beryllium or asbestos containing?		X	If yes, samples are to be segregeated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		X	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		X	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		X		Preservation Method: Ice bags Blue ice Dry ice None Other (describe) 14c *all temperatures are recorded in Celsius
2a	Daily check performed and passed on IR temperature gun?	X			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): 130462966
3	Chain of custody documents included with shipment?	X			
4	Sample containers intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	X			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	VOA vials free of headspace (defined as < 6mm bubble)?		X		Sample ID's and containers affected:
7	Are Encore containers present?			X	(If yes, immediately deliver to Volatiles laboratory)
8	Samples received within holding time?	X			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	X			Sample ID's and containers affected:
10	Date & time on COC match date & time on bottles?	X			Sample ID's affected:
11	Number of containers received match number indicated on COC?			X	Sample ID's affected: Lab rec'd (1) Container EACH
12	Are sample containers identifiable as GEL provided?	X			
13	COC form is properly signed in relinquished/received sections?	X			
14	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 8030 3446 7088-14

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials SE Date 12.23.13 Page 1 of 1

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 339762 4th Quarter Groundwater 2013
Client SDG: 339762
Project Manager: Heather Shaffer
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 17-JAN-14
Package Due Date: 14-JAN-14
EDD Due Date: 17-JAN-14
Due Date: 17-JAN-14
HXS1

Collector: C
Prelogin #: 20131211738
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
339762001	MW-23_12182013		18-DEC-13 12:45	20-DEC-13 10:45	-2	1	GROUND WATER		20		1		
339762002	MW-37_12182013		18-DEC-13 08:20	20-DEC-13 10:45	-2	1	GROUND WATER		20		1		
339762003	MW-20_12182013		18-DEC-13 08:40	20-DEC-13 10:45	-2	1	GROUND WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data	Receive Codes
-001 MW-23_12182013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-002 MW-37_12182013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-003 MW-20_12182013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**
Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001, 002, 003
Parmname Check: All parmnames scheduled properly
Path: Standard
Product Reference: Gross Alpha
Moisture Correction: "As Received"

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

Action	Product Name	Description	Samples

Contingent Tests

GEL Laboratories LLC – Login Review Report

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry Case Narrative
Energy Fuels Resources (DNMI)
SDG 339762

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1355876

Sample ID	Client ID
339762001	MW-23_12182013
339762002	MW-37_12182013
339762003	MW-20_12182013
1203009587	Method Blank (MB)
1203009588	339762001(MW-23_12182013) Sample Duplicate (DUP)
1203009589	339762001(MW-23_12182013) Matrix Spike (MS)
1203009590	339762001(MW-23_12182013) Matrix Spike Duplicate (MSD)
1203009591	Laboratory Control Sample (LCS)

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.

Designated QC
The following sample was used for QC: 339762001 (MW-23_12182013).

QC Information
All of the QC samples met the required acceptance limits.

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.

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.

Additional Comments
The matrix spike and matrix spike duplicate, 1203009589 (MW-23_12182013) and 1203009590 (MW-23_12182013), 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: 339762 GEL Work Order: 339762

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 G. McCarty **Name: Heather McCarty**

Date: 14 JAN 2014 **Title: Analyst II**

GEL LABORATORIES LLC

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

QC Summary

Report Date: January 14, 2014

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

Contact: **Ms. Kathy Weinel**

Workorder: **339762**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1355876										
QC1203009588 339762001 DUP										
Gross Radium Alpha		1.23		1.03	pCi/L	17.6		(0% - 100%)	KDF1	01/14/14 13:2
	Uncertainty	+/-0.282		+/-0.214						
QC1203009591 LCS										
Gross Radium Alpha	555			626	pCi/L		113	(75%-125%)		01/14/14 13:1
	Uncertainty			+/-5.26						
QC1203009587 MB										
Gross Radium Alpha			U	0.415	pCi/L					01/14/14 13:1
	Uncertainty			+/-0.162						
QC1203009589 339762001 MS										
Gross Radium Alpha	1120	1.23		1110	pCi/L		98.9	(75%-125%)		01/14/14 13:2
	Uncertainty	+/-0.282		+/-9.91						
QC1203009590 339762001 MSD										
Gross Radium Alpha	1120	1.23		1120	pCi/L	1.39	100	(0%-20%)		01/14/14 13:1
	Uncertainty	+/-0.282		+/-8.86						

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: 339762

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.
^ 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

www.gel.com

December 19, 2013

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 338188

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on November 25, 2013. 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. 4505.

Sincerely,

Heather Shaffer

Heather Shaffer
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 338188

December 19, 2013

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary:

Sample receipt: The samples arrived at GEL Laboratories LLC, Charleston, South Carolina on November 25, 2013 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
338188001	MW-11_11192013
338188002	MW-14_11202013
338188003	MW-15_11202013
338188004	MW-25_11192013
338188005	MW-26_11202013
338188006	MW-29_11202013
338188007	MW-30_11202013
338188008	MW-31_11182013
338188009	MW-32_11182013
338188010	MW-35_11192013
338188011	MW-36_11202013
338188012	MW-65_11202013

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.

Heather Shaffer
Project Manager

3358188

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
4th Quarter Groundwater 2013	Garrin Palmer	Garrin Palmer

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-11_11192013	11/19/2013	1130	Gross Alpha
MW-14_11202013	11/20/2013	915	Gross Alpha
MW-15_11202013	11/20/2013	1240	Gross Alpha
MW-25_11192013	11/19/2013	1115	Gross Alpha
MW-26_11202013	11/20/2013	1500	Gross Alpha
MW-29_11202013	11/20/2013	1300	Gross Alpha
MW-30_11202013	11/20/2013	1005	Gross Alpha
MW-31_11182013	11/18/2013	1515	Gross Alpha
MW-32_11182013	11/18/2013	1435	Gross Alpha
MW-35_11192013	11/19/2013	1455	Gross Alpha
MW-36_11202013	11/20/2013	1410	Gross Alpha
MW-65_11202013	11/20/2013	1410	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer	11/21/13/1200	P. Ident	11-25-13 10:15
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI			**SDG/AR/COC/Work Order:** 338188
Received By: P. Nlent			**Date Received:** 11-25-13
Suspected Hazard Information	**Yes**	**No**	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		X	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM
Classified Radioactive II or III by RSO?		X	If yes, Were swipes taken of sample contatiners < action levels?
COC/Samples marked containing PCBs?		X	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		X	If yes, samples are to be segregeated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		X	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		X	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		X		Preservation Method: Ice bags Blue ice Dry ice None Other (describe) *all temperatures are recorded in Celsius
2a	Daily check performed and passed on IR temperature gun?	X			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): 130462966
3	Chain of custody documents included with shipment?	X			
4	Sample containers intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	X			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	VOA vials free of headspace (defined as < 6mm bubble)?		X		Sample ID's and containers affected:
7	Are Encore containers present?			X	(If yes, immediately deliver to Volatiles laboratory)
8	Samples received within holding time?	X			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	X			Sample ID's and containers affected:
10	Date & time on COC match date & time on bottles?	X			Sample ID's affected:
11	Number of containers received match number indicated on COC?			X	Sample ID's affected: Lab rec'd (1) Container per ID.
12	Are sample containers identifiable as GEL provided?	X			
13	COC form is properly signed in relinquished/received sections?	X			
14	Carrier and tracking number.	X			Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 8015 5302 3520-21

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials [illegible] 11/25/13 Date 11/25/13 Page 1 of 1

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 338188 4th Quarter Groundwater 2013
Client SDG: 338188
Project Manager: Heather Shaffer
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 23-DEC-13
Package Due Date: 20-DEC-13
EDD Due Date: 23-DEC-13
Due Date: 23-DEC-13
HXS1

Collector: C
Prelogin #: 20131110841
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
338188001	MW-11_11192013		19-NOV-13 11:30	25-NOV-13 10:15	-2	1	GROUND WATER		20		1		
338188002	MW-14_11202013		20-NOV-13 09:15	25-NOV-13 10:15	-2	1	GROUND WATER		20		1		
338188003	MW-15_11202013		20-NOV-13 12:40	25-NOV-13 10:15	-2	1	GROUND WATER		20		1		
338188004	MW-25_11192013		19-NOV-13 11:15	25-NOV-13 10:15	-2	1	GROUND WATER		20		1		
338188005	MW-26_11202013		20-NOV-13 15:00	25-NOV-13 10:15	-2	1	GROUND WATER		20		1		
338188006	MW-29_11202013		20-NOV-13 13:00	25-NOV-13 10:15	-2	1	GROUND WATER		20		1		
338188007	MW-30_11202013		20-NOV-13 10:05	25-NOV-13 10:15	-2	1	GROUND WATER		20		1		
338188008	MW-31_11182013		18-NOV-13 15:15	25-NOV-13 10:15	-2	1	GROUND WATER		20		1		
338188009	MW-32_11182013		18-NOV-13 14:35	25-NOV-13 10:15	-2	1	GROUND WATER		20		1		
338188010	MW-35_11192013		19-NOV-13 14:55	25-NOV-13 10:15	-2	1	GROUND WATER		20		1		
338188011	MW-36_11202013		20-NOV-13 14:10	25-NOV-13 10:15	-2	1	GROUND WATER		20		1		
338188012	MW-65_11202013		20-NOV-13 14:10	25-NOV-13 10:15	-2	1	GROUND WATER		20		1		

	Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data	Receive Codes
-001	MW-11_11192013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-002	MW-14_11202013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-003	MW-15_11202013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-004	MW-25_11192013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-005	MW-26_11202013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-006	MW-29_11202013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-007	MW-30_11202013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-008	MW-31_11182013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-009	MW-32_11182013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-010	MW-35_11192013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-011	MW-36_11202013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-012	MW-65_11202013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				

GEL Laboratories LLC – Login Review Report

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 900.1 Modified
Path: Standard
Product Description: GFPC, Total Alpha Radium, Liquid
Product Reference: Gross Alpha
Samples: 001, 002, 003, 004, 005, 006, 007, 008, 009, 010, 011, 012
Moisture Correction: "As Received"
Parmname Check: All parmnames scheduled properly

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

Contingent Tests

Action	Product Name	Description	Samples

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry Case Narrative
Energy Fuels Resources (DNMI)
SDG 338188

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1349804

Sample ID	Client ID
338188001	MW-11_11192013
338188002	MW-14_11202013
338188003	MW-15_11202013
338188004	MW-25_11192013
338188005	MW-26_11202013
338188006	MW-29_11202013
338188007	MW-30_11202013
338188008	MW-31_11182013
338188009	MW-32_11182013
338188010	MW-35_11192013
338188011	MW-36_11202013
338188012	MW-65_11202013
1202994168	Method Blank (MB)
1202994169	338188002(MW-14_11202013) Sample Duplicate (DUP)
1202994170	338188002(MW-14_11202013) Matrix Spike (MS)
1202994171	338188002(MW-14_11202013) Matrix Spike Duplicate (MSD)
1202994172	Laboratory Control Sample (LCS)

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.

Designated QC
The following sample was used for QC: 338188002 (MW-14_11202013).

QC Information
All of the QC samples meet the required acceptance limits with the following exceptions: The blank result 1202994168 (MB) is greater than the MDC but less than the required detection limit.

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.

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.

Additional Comments
The matrix spike and matrix spike duplicate, 1202994170 (MW-14_11202013) and 1202994171 (MW-14_11202013), 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: 338188 GEL Work Order: 338188

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Heather McCarty **Name: Heather McCarty**

Date: 11 DEC 2013 **Title: Analyst II**

GEL LABORATORIES LLC

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

QC Summary

Report Date: December 11, 2013

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

Contact: **Ms. Kathy Weinel**

Workorder: **338188**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time
Rad Gas Flow											
Batch 1349804											
QC1202994169 338188002 DUP											
Gross Radium Alpha	U	0.486	U	0.573	pCi/L	N/A		N/A	KDF1	12/04/13	16:4
	Uncertainty	+/-0.288		+/-0.286							
QC1202994172 LCS											
Gross Radium Alpha	555			425	pCi/L		76.5	(75%-125%)		12/04/13	16:4
	Uncertainty			+/-6.67							
QC1202994168 MB											
Gross Radium Alpha			U	0.822	pCi/L					12/04/13	17:0
	Uncertainty			+/-0.333							
QC1202994170 338188002 MS											
Gross Radium Alpha	1120 U	0.486		877	pCi/L		78.5	(75%-125%)		12/04/13	16:4
	Uncertainty	+/-0.288		+/-12.2							
QC1202994171 338188002 MSD											
Gross Radium Alpha	1120 U	0.486		1000	pCi/L	13.4	89.7	(0%-20%)		12/04/13	16:4
	Uncertainty	+/-0.288		+/-12.5							

Notes:

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

The Qualifiers in this report are defined as follows:

**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
A	The TIC is a suspected aldol-condensation product
B	For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
F	Estimated Value
H	Analytical holding time was exceeded
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
M	M if above MDC and less than LLD
M	Matrix Related Failure
N/A	RPD or %Recovery limits do not apply.
N1	See case narrative
ND	Analyte concentration is not detected above the detection limit

QC Summary

Workorder: 338188

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.
^ 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

October 2013

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2013
Lab Sample ID: 1310537-001
Client Sample ID: MW-11_10222013
Collection Date: 10/22/2013 1435h
Received Date: 10/25/2013 1000h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	10/25/2013 1410h	10/28/2013 1520h	E200.8	0.0100	**0.129**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client:	Energy Fuels Resources, Inc.	**Contact:**	Garrin Palmer
Project:	October Monthly Ground Water 2013		
Lab Sample ID:	1310537-002		
Client Sample ID:	MW-14_10222013		
Collection Date:	10/22/2013 0915h		
Received Date:	10/25/2013 1000h		

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	10/25/2013 1410h	10/30/2013 1234h	E200.8	0.0100	**2.03**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2013
Lab Sample ID: 1310537-003
Client Sample ID: MW-25_10222013
Collection Date: 10/22/2013 1400h
Received Date: 10/25/2013 1000h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	10/25/2013 1410h	10/28/2013 1553h	E200.8	0.000500	**0.00150**	
Uranium	mg/L	10/25/2013 1410h	10/28/2013 1904h	E200.8	0.000300	**0.00594**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2013
Lab Sample ID: 1310537-003
Client Sample ID: MW-25_10222013
Collection Date: 10/22/2013 1400h
Received Date: 10/25/2013 1000h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		10/28/2013 2137h	E300.0	5.00	**28.6**	

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Salt Lake City, UT 84115

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2013
Lab Sample ID: 1310537-004
Client Sample ID: MW-26_10232013
Collection Date: 10/23/2013 1405h
Received Date: 10/25/2013 1000h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	10/25/2013 1410h	10/28/2013 1910h	E200.8	0.000300	**0.0588**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2013
Lab Sample ID: 1310537-004
Client Sample ID: MW-26_10232013
Collection Date: 10/23/2013 1405h
Received Date: 10/25/2013 1000h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		10/28/2013 2201h	E300.0	10.0	**63.8**	
Nitrate/Nitrite (as N)	mg/L		10/30/2013 2053h	E353.2	0.500	**4.10**	

463 West 3600 South
Salt Lake City, UT 84115

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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2013
Lab Sample ID: 1310537-004D
Client Sample ID: MW-26_10232013
Collection Date: 10/23/2013 1405h
Received Date: 10/25/2013 1000h
Test Code: 8260-W

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

Analyzed: 10/28/2013 1512h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**3,420**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,730	2,500	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,520	2,500	101	80-128	
Surr: Dibromofluoromethane	1868-53-7	2,650	2,500	106	80-124	
Surr: Toluene-d8	2037-26-5	2,480	2,500	99.3	77-129	

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

Analyzed: 10/25/2013 1347h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Methylene chloride	75-09-2	1.00	**29.8**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.1	50.00	114	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	53.8	50.00	108	80-128	
Surr: Dibromofluoromethane	1868-53-7	56.4	50.00	113	80-124	
Surr: Toluene-d8	2037-26-5	53.3	50.00	107	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2013
Lab Sample ID: 1310537-005
Client Sample ID: MW-30_10222013
Collection Date: 10/22/2013 1000h
Received Date: 10/25/2013 1000h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	10/25/2013 1410h	10/28/2013 1559h	E200.8	0.00500	**0.0395**	
Uranium	mg/L	10/25/2013 1410h	10/28/2013 1915h	E200.8	0.000300	**0.00691**	

463 West 3600 South
Salt Lake City, UT 84115

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2013
Lab Sample ID: 1310537-005
Client Sample ID: MW-30_10222013
Collection Date: 10/22/2013 1000h
Received Date: 10/25/2013 1000h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		10/28/2013 2224h	E300.0	50.0	**128**	
Nitrate/Nitrite (as N)	mg/L		10/30/2013 2055h	E353.2	1.00	**19.7**	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2013
Lab Sample ID: 1310537-006
Client Sample ID: MW-31_10232013
Collection Date: 10/23/2013 1320h
Received Date: 10/25/2013 1000h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	10/25/2013 1410h	10/28/2013 1620h	E200.8	0.00500	**0.0807**	

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Salt Lake City, UT 84115

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2013
Lab Sample ID: 1310537-006
Client Sample ID: MW-31_10232013
Collection Date: 10/23/2013 1320h
Received Date: 10/25/2013 1000h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		10/28/2013 2247h	E300.0	50.0	**188**	
Nitrate/Nitrite (as N)	mg/L		10/30/2013 2056h	E353.2	5.00	**21.2**	1
Sulfate	mg/L		10/28/2013 2247h	E300.0	50.0	**637**	
Total Dissolved Solids	mg/L		10/25/2013 1250h	SM2540C	20.0	**1,460**	@

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

American West ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, UT 84115
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e-mail: awal@awal-labs.com
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2013
Lab Sample ID: 1310537-007
Client Sample ID: MW-35_10232013
Collection Date: 10/23/2013 1210h
Received Date: 10/25/2013 1000h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	10/25/2013 1410h	10/28/2013 1625h	E200.8	0.0100	**0.240**	
Molybdenum	mg/L	10/25/2013 1410h	10/28/2013 1625h	E200.8	0.0100	< 0.0100	
Selenium	mg/L	10/25/2013 1410h	10/28/2013 1625h	E200.8	0.00500	**0.0198**	
Thallium	mg/L	10/25/2013 1410h	11/1/2013 1539h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	10/25/2013 1410h	10/28/2013 1920h	E200.8	0.000300	**0.0218**	

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

Certificate of Analysis

Report Date: November 19, 2013

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_10232013	Project:	DNMI00100
Sample ID:	336359001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	23-OCT-13 12:10		
Receive Date:	25-OCT-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		3.73	+/-0.497	0.835	1.00	pCi/L		KDF1	11/16/13	1539	1342065	

The following Analytical Methods were performed:

Method	Description	Analyst Comments
	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			100	(25%-125%)

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

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

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2013
Lab Sample ID: 1310537-008
Client Sample ID: MW-65_10232013
Collection Date: 10/23/2013 1320h
Received Date: 10/25/2013 1000h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	10/25/2013 1410h	10/28/2013 1630h	E200.8	0.00500	**0.0828**	

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Salt Lake City, UT 84115

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Jose Rocha
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2013
Lab Sample ID: 1310537-008
Client Sample ID: MW-65_10232013
Collection Date: 10/23/2013 1320h
Received Date: 10/25/2013 1000h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		10/28/2013 2357h	E300.0	50.0	**184**	
Nitrate/Nitrite (as N)	mg/L		10/30/2013 2058h	E353.2	2.00	**23.3**	
Sulfate	mg/L		10/28/2013 2357h	E300.0	50.0	**631**	
Total Dissolved Solids	mg/L		10/25/2013 1250h	SM2540C	20.0	**1,510**	

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Laboratory Director

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QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2013
Lab Sample ID: 1310537-009A
Client Sample ID: Trip Blank
Collection Date: 10/22/2013
Received Date: 10/25/2013 1000h

Test Code: 8260-W

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

Analyzed: 10/25/2013 1405h
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	56.2	50.00	112	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	52.8	50.00	106	80-128	
Surr: Dibromofluoromethane	1868-53-7	53.2	50.00	106	80-124	
Surr: Toluene-d8	2037-26-5	51.3	50.00	103	77-129	

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: October Monthly Ground Water 2013

Dear Garrin Palmer: Lab Set ID: 1310537

American West Analytical Laboratories received 9 sample(s) on 10/25/2013 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, 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=Quality Assurance Officer, email=jose@awal-labs.com, c=US
Date: 2013.11.05 12:01:49 -07'00'

Laboratory Director or designee

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SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: October Monthly Ground Water 2013
Lab Set ID: 1310537
Date Received: 10/25/2013 1000h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1310537-001A	MW-11_10222013	10/22/2013 1435h	Aqueous	ICPMS Metals, Dissolved
1310537-002A	MW-14_10222013	10/22/2013 0915h	Aqueous	ICPMS Metals, Dissolved
1310537-003A	MW-25_10222013	10/22/2013 1400h	Aqueous	ICPMS Metals, Dissolved
1310537-003B	MW-25_10222013	10/22/2013 1400h	Aqueous	Anions, E300.0
1310537-004A	MW-26_10232013	10/23/2013 1405h	Aqueous	ICPMS Metals, Dissolved
1310537-004B	MW-26_10232013	10/23/2013 1405h	Aqueous	Anions, E300.0
1310537-004C	MW-26_10232013	10/23/2013 1405h	Aqueous	Nitrite/Nitrate (as N), E353.2
1310537-004D	MW-26_10232013	10/23/2013 1405h	Aqueous	VOA by GC/MS Method 8260C/5030C
1310537-005A	MW-30_10222013	10/22/2013 1000h	Aqueous	ICPMS Metals, Dissolved
1310537-005B	MW-30_10222013	10/22/2013 1000h	Aqueous	Anions, E300.0
1310537-005C	MW-30_10222013	10/22/2013 1000h	Aqueous	Nitrite/Nitrate (as N), E353.2
1310537-006A	MW-31_10232013	10/23/2013 1320h	Aqueous	ICPMS Metals, Dissolved
1310537-006B	MW-31_10232013	10/23/2013 1320h	Aqueous	Anions, E300.0
1310537-006C	MW-31_10232013	10/23/2013 1320h	Aqueous	Nitrite/Nitrate (as N), E353.2
1310537-006D	MW-31_10232013	10/23/2013 1320h	Aqueous	Total Dissolved Solids, A2540C
1310537-007A	MW-35_10232013	10/23/2013 1210h	Aqueous	ICPMS Metals, Dissolved
1310537-008A	MW-65_10232013	10/23/2013 1320h	Aqueous	ICPMS Metals, Dissolved
1310537-008B	MW-65_10232013	10/23/2013 1320h	Aqueous	Anions, E300.0
1310537-008C	MW-65_10232013	10/23/2013 1320h	Aqueous	Nitrite/Nitrate (as N), E353.2
1310537-008D	MW-65_10232013	10/23/2013 1320h	Aqueous	Total Dissolved Solids, A2540C
1310537-009A	Trip Blank	10/22/2013	Aqueous	VOA by GC/MS Method 8260C/5030C

American West ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, UT 84115
Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
e-mail: awal@awal-labs.com
web: www.awal-labs.com
Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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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:	October Monthly Ground Water 2013
Lab Set ID:	1310537

Sample Receipt Information:

Date of Receipt:	10/25/2013
Date(s) of Collection:	10/22 & 10/23/2013
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 exception: The MSD percent recovery was outside of control limits for nitrate/nitrite on sample 1310537-006C due to matrix interference.

Duplicate (DUP): The analysis for TDS on sample 1310537-006D exhibited RPDs outside of control limits due to suspected sample non-homogeneity or matrix interference.

Corrective Action: None required.

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Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	October Monthly Ground Water 2013
Lab Set ID:	1310537

Sample Receipt Information:

Date of Receipt:	10/25/2013
Date(s) of Collection:	10/22 & 10/23/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: Multiple target analytes were observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310537
Project: October Monthly Ground Water 2013

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-28529**	Date Analyzed:	10/28/2013 1515h											
Test Code:	200.8-DIS	Date Prepared:	10/25/2013 1410h											
Cadmium		0.195	mg/L	E200.8	0.0000726	0.000500	0.2000	0	97.6	85 - 115				
Manganese		0.202	mg/L	E200.8	0.00166	0.00200	0.2000	0	101	85 - 115				
Molybdenum		0.197	mg/L	E200.8	0.000496	0.00200	0.2000	0	98.5	85 - 115				
Selenium		0.199	mg/L	E200.8	0.000686	0.00200	0.2000	0	99.6	85 - 115				
Uranium		0.179	mg/L	E200.8	0.0000598	0.00200	0.2000	0	89.3	85 - 115				
Lab Sample ID:	**LCS-28529**	Date Analyzed:	11/01/2013 1547h											
Test Code:	200.8-DIS	Date Prepared:	10/25/2013 1410h											
Thallium		0.184	mg/L	E200.8	0.000222	0.00200	0.2000	0	92.1	85 - 115				

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Salt Lake City, UT 84115
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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310537
Project: October Monthly Ground Water 2013

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-28529**	Date Analyzed:	10/28/2013 1510h											
Test Code:	200.8-DIS	Date Prepared:	10/25/2013 1410h											
Cadmium		< 0.000500	mg/L	E200.8	0.0000726	0.000500								
Manganese		< 0.0100	mg/L	E200.8	0.00166	0.0100								
Molybdenum		< 0.0100	mg/L	E200.8	0.000496	0.0100								
Selenium		< 0.00500	mg/L	E200.8	0.000686	0.00500								
Lab Sample ID:	**MB-28529**	Date Analyzed:	10/28/2013 1859h											
Test Code:	200.8-DIS	Date Prepared:	10/25/2013 1410h											
Uranium		< 0.000300	mg/L	E200.8	0.00000598	0.000300								
Lab Sample ID:	**MB-28529**	Date Analyzed:	11/01/2013 1532h											
Test Code:	200.8-DIS	Date Prepared:	10/25/2013 1410h											
Thallium		< 0.000500	mg/L	E200.8	0.0000555	0.000500								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310537
Project: October Monthly Ground Water 2013

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:	**1310537-001AMS**	Date Analyzed:	10/28/2013 1536h											
Test Code:	200.8-DIS	Date Prepared:	10/25/2013 1410h											
Cadmium		0.197	mg/L	E200.8	0.0000726	0.000500	0.2000	0.00009	98.6	75 - 125				
Manganese		0.335	mg/L	E200.8	0.00166	0.00200	0.2000	0.129	103	75 - 125				
Molybdenum		0.202	mg/L	E200.8	0.000496	0.00200	0.2000	0.00213	100	75 - 125				
Selenium		0.219	mg/L	E200.8	0.000686	0.00200	0.2000	0	110	75 - 125				
Uranium		0.180	mg/L	E200.8	0.0000598	0.00200	0.2000	0.000618	89.6	75 - 125				
Lab Sample ID:	**1310537-001AMS**	Date Analyzed:	11/01/2013 1601h											
Test Code:	200.8-DIS	Date Prepared:	10/25/2013 1410h											
Thallium		0.170	mg/L	E200.8	0.000222	0.00200	0.2000	0	85.0	75 - 125				

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Salt Lake City, UT 84115
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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310537
Project: October Monthly Ground Water 2013

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: 1310537-001AMSD	Date Analyzed:	10/28/2013 1543h											
Test Code: 200.8-DIS	Date Prepared:	10/25/2013 1410h											
Cadmium	0.191	mg/L	E200.8	0.0000726	0.000500	0.2000	0.00009	95.3	75 - 125	0.197	3.42	20	
Manganese	0.322	mg/L	E200.8	0.00166	0.00200	0.2000	0.129	96.5	75 - 125	0.335	3.73	20	
Molybdenum	0.201	mg/L	E200.8	0.000496	0.00200	0.2000	0.00213	99.5	75 - 125	0.202	0.628	20	
Selenium	0.222	mg/L	E200.8	0.000686	0.00200	0.2000	0	111	75 - 125	0.219	1.06	20	
Uranium	0.180	mg/L	E200.8	0.0000598	0.00200	0.2000	0.000618	89.6	75 - 125	0.18	0.0539	20	
Lab Sample ID: 1310537-001AMSD	Date Analyzed:	11/01/2013 1608h											
Test Code: 200.8-DIS	Date Prepared:	10/25/2013 1410h											
Thallium	0.176	mg/L	E200.8	0.000222	0.00200	0.2000	0	88.0	75 - 125	0.17	3.43	20	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310537
Project: October Monthly Ground Water 2013

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: 1310537-006DDUP Date Analyzed: 10/25/2013 1250h Test Code: TDS-W-2540C													
Total Dissolved Solids	1,550	mg/L	SM2540C	8.00	20.0					1460	6.13	5	@

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

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310537
Project: October Monthly Ground Water 2013

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-R60879 Date Analyzed: 10/28/2013 1156h Test Code: 300.0-W													
Chloride	4.58	mg/L	E300.0	0.0114	0.100	5.000	0	91.7	90 - 110				
Sulfate	4.76	mg/L	E300.0	0.177	0.750	5.000	0	95.2	90 - 110				
Lab Sample ID: LCS-R60975 Date Analyzed: 10/30/2013 2047h Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.07	mg/L	E353.2	0.00252	0.100	1.000	0	107	90 - 110				
Lab Sample ID: LCS-R60839 Date Analyzed: 10/25/2013 1250h Test Code: TDS-W-2540C													
Total Dissolved Solids	212	mg/L	SM2540C	4.00	10.0	205.0	0	103	80 - 120				

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310537
Project: October Monthly Ground Water 2013

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-R60879	Date Analyzed: 10/28/2013 1133h												
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0114	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.177	0.750								
Lab Sample ID: MB-R60975	Date Analyzed: 10/30/2013 2045h												
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.100	mg/L	E353.2	0.00252	0.100								
Lab Sample ID: MB-R60839	Date Analyzed: 10/25/2013 1250h												
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	4.00	10.0								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310537
Project: October Monthly Ground Water 2013

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: 1310537-006BMS Date Analyzed: 10/28/2013 2310h													
Test Code: 300.0-W													
Chloride	2,560	mg/L	E300.0	5.70	50.0	2,500	188	94.7	90 - 110				
Sulfate	3,120	mg/L	E300.0	88.5	375	2,500	637	99.2	90 - 110				
Lab Sample ID: 1310537-006CMS Date Analyzed: 10/30/2013 2106h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	72.6	mg/L	E353.2	0.126	5.00	50.00	21.2	103	90 - 110				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310537
Project: October Monthly Ground Water 2013

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: 1310537-006BMSD Date Analyzed: 10/28/2013 2334h													
Test Code: 300.0-W													
Chloride	2,490	mg/L	E300.0	5.70	50.0	2,500	188	92.2	90 - 110	2560	2.55	20	
Sulfate	3,000	mg/L	E300.0	88.5	375	2,500	637	94.5	90 - 110	3120	3.85	20	
Lab Sample ID: 1310537-006CMSD Date Analyzed: 10/30/2013 2107h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	78.7	mg/L	E353.2	0.126	5.00	50.00	21.2	115	90 - 110	72.6	8.08	10	I

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310537
Project: October Monthly Ground Water 2013

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: 1310530-001AMS Date Analyzed: 10/25/2013 1046h													
Test Code: 8260-W													
Chloroform	22.1	µg/L	SW8260C	0.277	2.00	20.00	0	110	50 - 146				
Methylene chloride	20.0	µg/L	SW8260C	0.155	2.00	20.00	0	100	30 - 192				
Surr: 1,2-Dichloroethane-d4	57.9	µg/L	SW8260C			50.00		116	72 - 151				
Surr: 4-Bromofluorobenzene	48.6	µg/L	SW8260C			50.00		97.2	80 - 128				
Surr: Dibromofluoromethane	55.4	µg/L	SW8260C			50.00		111	80 - 124				
Surr: Toluene-d8	49.8	µg/L	SW8260C			50.00		99.6	77 - 129				
Lab Sample ID: 1310539-001AMS Date Analyzed: 10/25/2013 1233h													
Test Code: 8260-W													
Chloroform	23.5	µg/L	SW8260C	0.277	2.00	20.00	0	117	50 - 146				
Methylene chloride	21.3	µg/L	SW8260C	0.155	2.00	20.00	0	106	30 - 192				
Surr: 1,2-Dichloroethane-d4	56.2	µg/L	SW8260C			50.00		112	72 - 151				
Surr: 4-Bromofluorobenzene	48.5	µg/L	SW8260C			50.00		97.0	80 - 128				
Surr: Dibromofluoromethane	54.1	µg/L	SW8260C			50.00		108	80 - 124				
Surr: Toluene-d8	49.7	µg/L	SW8260C			50.00		99.3	77 - 129				
Lab Sample ID: 1310547-005AMS Date Analyzed: 10/28/2013 0905h													
Test Code: 8260-W													
Chloroform	213	µg/L	SW8260C	2.77	20.0	200.0	0	107	50 - 146				
Surr: 1,2-Dichloroethane-d4	506	µg/L	SW8260C			500.0		101	72 - 151				
Surr: 4-Bromofluorobenzene	450	µg/L	SW8260C			500.0		90.0	80 - 128				
Surr: Dibromofluoromethane	501	µg/L	SW8260C			500.0		100	80 - 124				
Surr: Toluene-d8	462	µg/L	SW8260C			500.0		92.5	77 - 129				
Lab Sample ID: 1310537-004DMS Date Analyzed: 10/29/2013 1205h													
Test Code: 8260-W													
Chloroform	4,120	µg/L	SW8260C	13.8	100	1,000	3420	70.3	50 - 146				
Surr: 1,2-Dichloroethane-d4	2,620	µg/L	SW8260C			2,500		105	72 - 151				
Surr: 4-Bromofluorobenzene	2,350	µg/L	SW8260C			2,500		94.1	80 - 128				
Surr: Dibromofluoromethane	2,570	µg/L	SW8260C			2,500		103	80 - 124				

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

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463 West 3600 South
Salt Lake City, UT 84115
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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310537
Project: October Monthly Ground Water 2013

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: 1310537-004DMS Date Analyzed: 10/29/2013 1205h													
Test Code: 8260-W													
Surr: Toluene-d8	2,380	µg/L	SW8260C			2,500		95.3	77 - 129				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310537
Project: October Monthly Ground Water 2013

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: 1310530-001AMSD Date Analyzed: 10/25/2013 1104h													
Test Code: 8260-W													
Chloroform	23.5	µg/L	SW8260C	0.277	2.00	20.00	0	117	50 - 146	22.1	6.14	25	
Methylene chloride	21.5	µg/L	SW8260C	0.155	2.00	20.00	0	107	30 - 192	20.1	6.93	25	
Surr: 1,2-Dichloroethane-d4	58.0	µg/L	SW8260C			50.00		116	72 - 151				
Surr: 4-Bromofluorobenzene	50.1	µg/L	SW8260C			50.00		100	80 - 128				
Surr: Dibromofluoromethane	55.6	µg/L	SW8260C			50.00		111	80 - 124				
Surr: Toluene-d8	50.4	µg/L	SW8260C			50.00		101	77 - 129				
Lab Sample ID: 1310539-001AMSD Date Analyzed: 10/25/2013 1310h													
Test Code: 8260-W													
Chloroform	18.8	µg/L	SW8260C	0.277	2.00	20.00	0	94.2	50 - 146	23.5	21.9	25	
Methylene chloride	17.0	µg/L	SW8260C	0.155	2.00	20.00	0	84.9	30 - 192	21.3	22.6	25	
Surr: 1,2-Dichloroethane-d4	56.8	µg/L	SW8260C			50.00		114	72 - 151				
Surr: 4-Bromofluorobenzene	49.8	µg/L	SW8260C			50.00		99.6	80 - 128				
Surr: Dibromofluoromethane	54.4	µg/L	SW8260C			50.00		109	80 - 124				
Surr: Toluene-d8	50.1	µg/L	SW8260C			50.00		100	77 - 129				
Lab Sample ID: 1310547-005AMSD Date Analyzed: 10/28/2013 0923h													
Test Code: 8260-W													
Chloroform	205	µg/L	SW8260C	2.77	20.0	200.0	0	102	50 - 146	213	3.97	25	
Surr: 1,2-Dichloroethane-d4	501	µg/L	SW8260C			500.0		100	72 - 151				
Surr: 4-Bromofluorobenzene	456	µg/L	SW8260C			500.0		91.1	80 - 128				
Surr: Dibromofluoromethane	493	µg/L	SW8260C			500.0		98.5	80 - 124				
Surr: Toluene-d8	458	µg/L	SW8260C			500.0		91.7	77 - 129				
Lab Sample ID: 1310537-004DMSD Date Analyzed: 10/29/2013 1223h													
Test Code: 8260-W													
Chloroform	4,070	µg/L	SW8260C	13.8	100	1,000	3420	64.8	50 - 146	4120	1.36	25	
Surr: 1,2-Dichloroethane-d4	2,660	µg/L	SW8260C			2,500		106	72 - 151				
Surr: 4-Bromofluorobenzene	2,370	µg/L	SW8260C			2,500		94.7	80 - 128				
Surr: Dibromofluoromethane	2,600	µg/L	SW8260C			2,500		104	80 - 124				

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Kyle F. Gross
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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1310537
Project: October Monthly Ground Water 2013

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: 1310537-004DMSD Date Analyzed: 10/29/2013 1223h													
Test Code: 8260-W													
Surr: Toluene-d8	2,390	µg/L	SW8260C			2,500		95.8	77 - 129				

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American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1310537**

Client: Energy Fuels Resources, Inc. Due Date: 11/5/2013

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **October Monthly Ground Water 2013** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Project specific DL's: see COC. Run 200.8 on the Agilent. EDD-Denison and EIM-Locus. Email Group. Metals samples were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1310537-001A	**MW-11_10222013**	10/22/2013 1435h	10/25/2013 1000h	**200.8-DIS**	Aqueous	☑	df / dis metals	1
				1 SEL Analytes: MN				
				200.8-DIS-PR		☐	df / dis metals	
1310537-002A	**MW-14_10222013**	10/22/2013 0915h	10/25/2013 1000h	**200.8-DIS**	Aqueous	☑	df / dis metals	1
				1 SEL Analytes: MN				
				200.8-DIS-PR		☐	df / dis metals	
1310537-003A	**MW-25_10222013**	10/22/2013 1400h	10/25/2013 1000h	**200.8-DIS**	Aqueous	☑	df / dis metals	1
				2 SEL Analytes: CD U				
				200.8-DIS-PR		☐	df / dis metals	
1310537-003B				**300.0-W**		☑	df /cl	
				1 SEL Analytes: CL				
1310537-004A	**MW-26_10232013**	10/23/2013 1405h	10/25/2013 1000h	**200.8-DIS**	Aqueous	☑	df / dis metals	1
				1 SEL Analytes: U				
				200.8-DIS-PR		☐	df / dis metals	
1310537-004B				**300.0-W**		☑	df /cl	
				1 SEL Analytes: CL				
1310537-004C				**NO2/NO3-W-353.2**		☑	df / no2/no3	
				1 SEL Analytes: NO3NO2N				
1310537-004D				**8260-W**		☑	vOC	3
				Test Group: 8260-W-Custom; # of Analytes: 2 / # of Surr: 4				
1310537-005A	**MW-30_10222013**	10/22/2013 1000h	10/25/2013 1000h	**200.8-DIS**	Aqueous	☑	df / dis metals	1
				2 SEL Analytes: SE U				
				200.8-DIS-PR		☐	df / dis metals	
1310537-005B				**300.0-W**		☑	df /cl	
				1 SEL Analytes: CL				
1310537-005C				**NO2/NO3-W-353.2**		☑	df / no2/no3	
				1 SEL Analytes: NO3NO2N				
1310537-006A	**MW-31_10232013**	10/23/2013 1320h	10/25/2013 1000h	**200.8-DIS**	Aqueous	☑	df / dis metals	1
				1 SEL Analytes: SE				
				200.8-DIS-PR		☐	df / dis metals	
1310537-006B				**300.0-W**		☑	df /cl	
				2 SEL Analytes: CL SO4				

Printed: 10/25/2013 FOR LABORATORY USE ONLY [fill out on page 1]: %M ☑ RT ☑ CN ☑ TAT ☑ QC ☑ HOK DB HOK AO HOK_____ COC Emailed_____

WORK ORDER Summary

Work Order: **1310537**

Client: Energy Fuels Resources, Inc. Due Date: 11/5/2013

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1310537-006C	**MW-31_10232013**	10/23/2013 1320h	10/25/2013 1000h	**NO2/NO3-W-353.2**	Aqueous	☑	df / no2/no3	1
				1 SEL Analytes: NO3NO2N				
1310537-006D				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1310537-007A	**MW-35_10232013**	10/23/2013 1210h	10/25/2013 1000h	**200.8-DIS**	Aqueous	☑	df / dis metals	1
				5 SEL Analytes: MN MO SE TL U				
				200.8-DIS-PR		☐	df / dis metals	
1310537-008A	**MW-65_10232013**	10/23/2013 1320h	10/25/2013 1000h	**200.8-DIS**	Aqueous	☑	df / dis metals	1
				1 SEL Analytes: SE				
				200.8-DIS-PR		☐	df / dis metals	
1310537-008B				**300.0-W**		☑	df /cl	
				2 SEL Analytes: CL SO4				
1310537-008C				**NO2/NO3-W-353.2**		☑	df / no2/no3	
				1 SEL Analytes: NO3NO2N				
1310537-008D				**TDS-W-2540C**		☑	ww - tds	
				1 SEL Analytes: TDS				
1310537-009A	**Trip Blank**	10/22/2013	10/25/2013 1000h	**8260-W**	Aqueous	☑	vOC	3
				Test Group: 8260-W-Custom; # of Analytes: 2 / # of Surr: 4				

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Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
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CHAIN OF CUSTODY

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.

1310537
AWAL Lab Sample Set #
Page 1 of 1

Client:	Energy Fuels Resources, Inc.
Address:	6425 S. Hwy. 191
	Blanding, UT 84511
Contact:	Garrin Palmer
Phone #:	(435) 678-2221 Cell #:
Email:	gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name:	October Monthly Ground Water 2013
Project #:	
PO #:	
Sampler Name:	Tanner Holliday

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:

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 Molybdenum and Thallium (200.7/200.8)	SO_4 (4500 or 300.0)	VOCs Chloroform and Dichloromethane (8260C)	Known Hazards & Sample Comments
1	MW-11_10222013	10/22/13	1435	1	w		X									
2	MW-14_10222013	10/22/13	915	1	w		X									
3	MW-25_10222013	10/22/13	1400	2	w			X		X	X					
4	MW-26_10232013	10/23/13	1405	6	w	X		X		X					X	
5	MW-30_10222013	10/22/13	1000	3	w	X		X		X		X				
6	MW-31_10232013	10/23/13	1320	4	w	X		X	X			X		X		
7	MW-35_10232013	10/23/13	1210	1	w		X			X		X	X			
8	MW-65_10232013	10/23/13	1320	4	4	X		X	X			X		X		
9	Trip Blanks	10/22/13	—												X	Added per Garrin - dt
10																
11																
12																

Laboratory Use Only

Samples Were Iced-X
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

COC Tape Was:
1 Present on Outer Package (Y) N NA
2 Unbroken on Outer Package (Y) N NA
3 Present on Sample Y N (NA)
4 Unbroken on Sample Y N (NA)

Discrepancies Between Sample Labels and COC Record? Y (N)

Relinquished by: Signature	Tanner Holliday	Date: 10/24/13	Received by: Signature	Date:
Print Name:	Tanner Holliday	Time: 1030	Print Name:	Time:
Relinquished by: Signature		Date:	Received by: Signature	Date: 10/25/13
Print Name:		Time:	Print Name: Elaine Hayes	Time: 1000
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: 1310537

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	1	2	3	4	5	6	7	8										
Ammonia	pH <2 H_2SO_4																		
COD	pH <2 H_2SO_4																		
Cyanide	pH >12 NaOH																		
Metals	pH <2 HNO_3	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes										
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

www.gel.com

November 18, 2013

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 336359

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on October 25, 2013. 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. 4505.

Sincerely,

Heather Shaffer

Heather Shaffer
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 336359

November 18, 2013

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 October 25, 2013 for analysis.

Sample Identification: The laboratory received the following sample:

Laboratory ID	Client ID
336359001	MW-35_10232013

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.

Heather Shaffer

Heather Shaffer
Project Manager

336359

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
October Monthly GW 2013	Garrin Palmer	

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-35_10232013	10/23/2013	1210	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer	10/24/2013 1030	P. Went	10-25-13 09:10
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	**SDG/AR/COC/Work Order:** 336359
Received By: P. Nient	**Date Received:** 10-25-13

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		X	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): OCPM
Classified Radioactive II or III by RSO?		X	If yes, Were swipes taken of sample contatiners < action levels?
COC/Samples marked containing PCBs?		X	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		X	If yes, samples are to be segregeated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		X	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		X	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe) 21
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		X		Preservation Method: Ice bags Blue ice Dry ice ~~None~~ Other (describe) *all temperatures are recorded in Celsius
2a	Daily check performed and passed on IR temperature gun?	X			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): 130462966
3	Chain of custody documents included with shipment?	X			
4	Sample containers intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	X			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	VOA vials free of headspace (defined as < 6mm bubble)?		X		Sample ID's and containers affected:
7	Are Encore containers present?			X	(If yes, immediately deliver to Volatiles laboratory)
8	Samples received within holding time?	X			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	X			Sample ID's and containers affected:
10	Date & time on COC match date & time on bottles?	X			Sample ID's affected:
11	Number of containers received match number indicated on COC?	X			Sample ID's affected:
12	Are sample containers identifiable as GEL provided?	X			
13	COC form is properly signed in relinquished/received sections?	X			
14	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 8032 F122 0224-21

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials HH Date 10253 Page 1 of 1

Subject: No COC received for White Mesa Mill
From: Heather Shaffer <Heather.Shaffer@gel.com>
Date: 10/25/2013 2:20 PM
To: Kathy Weinel <KWeinel@energyfuels.com>
CC: "team.shaffer" <team.shaffer@gel.com>

Hi Kathy,

We received a container for MW-35_10232013 for Gross Alpha today, but we did not receive a chain of custody with it. Could you please email me a copy of the chain? Or we can initiate one. Please advise.

Thank you,
Heather

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 336359
Client SDG: 336359
Project Manager: Heather Shaffer
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 22-NOV-13
Package Due Date: 19-NOV-13
EDD Due Date: 22-NOV-13
Due Date: 22-NOV-13
HXS1

Collector: C
Prelogin #: 20131009675
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
336359001	MW-35_10232013		23-OCT-13 12:10	25-OCT-13 09:10	-2	1	GROUND WATER		20		1		

	Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001	MW-35_10232013	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			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 Case Narrative
Energy Fuels Resources (DNMI)
SDG 336359

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1342065

Sample ID	Client ID
336359001	MW-35_10232013
1202975213	Method Blank (MB)
1202975214	336359001(MW-35_10232013) Sample Duplicate (DUP)
1202975215	336359001(MW-35_10232013) Matrix Spike (MS)
1202975216	336359001(MW-35_10232013) Matrix Spike Duplicate (MSD)
1202975217	Laboratory Control Sample (LCS)

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.

Designated QC
The following sample was used for QC: 336359001 (MW-35_10232013).

QC Information
All of the QC samples met the required acceptance limits.

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.

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.

Additional Comments
The matrix spike and matrix spike duplicate, 1202975215 (MW-35_10232013) and 1202975216 (MW-35_10232013), 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.

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Qualifier Definition Report
for

DNMI001 Energy Fuels Resources (USA), Inc.

Client SDG: 336359 GEL Work Order: 336359

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: **Name: Kate Gellatly**

Date: 19 NOV 2013 **Title: Analyst I**

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

QC Summary

Report Date: November 19, 2013

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

Contact: **Ms. Kathy Weinel**

Workorder: **336359**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1342065										
QC1202975214 336359001 DUP										
Gross Radium Alpha		3.73		3.86	pCi/L	3.60		(0%-20%)	KDF1	11/16/13 15:3
	Uncertainty	+/-0.497		+/-0.475						
QC1202975217 LCS										
Gross Radium Alpha	555			468	pCi/L		84.3	(75%-125%)		11/16/13 15:4
	Uncertainty			+/-5.20						
QC1202975213 MB										
Gross Radium Alpha			U	0.077	pCi/L					11/16/13 15:3
	Uncertainty			+/-0.174						
QC1202975215 336359001 MS										
Gross Radium Alpha	1120	3.73		949	pCi/L		84.3	(75%-125%)		11/16/13 15:3
	Uncertainty	+/-0.497		+/-10.2						
QC1202975216 336359001 MSD										
Gross Radium Alpha	1120	3.73		989	pCi/L	4.12	87.8	(0%-20%)		11/16/13 15:4
	Uncertainty	+/-0.497		+/-10.9						

Notes:

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

The Qualifiers in this report are defined as follows:

**	Analyte is a surrogate compound
<	Result is less than value reported
>	Result is greater than value reported
A	The TIC is a suspected aldol-condensation product
B	For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
BD	Results are either below the MDC or tracer recovery is low
C	Analyte has been confirmed by GC/MS analysis
D	Results are reported from a diluted aliquot of the sample
F	Estimated Value
H	Analytical holding time was exceeded
K	Analyte present. Reported value may be biased high. Actual value is expected to be lower.
L	Analyte present. Reported value may be biased low. Actual value is expected to be higher.
M	M if above MDC and less than LLD
M	Matrix Related Failure
N/A	RPD or %Recovery limits do not apply.
N1	See case narrative
ND	Analyte concentration is not detected above the detection limit

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

QC Summary

Workorder: 336359

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.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab F2

Laboratory Analytical Reports – Accelerated Monitoring

December 2013

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly Ground Water 2013
Lab Sample ID: 1312465-001
Client Sample ID: MW-11_12182013
Collection Date: 12/18/2013 1130h
Received Date: 12/23/2013 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	1/3/2014 1030h	1/3/2014 1732h	E200.8	0.0100	**0.196**	

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly Ground Water 2013
Lab Sample ID: 1312465-002
Client Sample ID: MW-14_12182013
Collection Date: 12/18/2013 1340h
Received Date: 12/23/2013 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	12/23/2013 1405h	1/5/2014 2112h	E200.8	0.0100	**2.03**	

463 West 3600 South
Salt Lake City, UT 84115

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Toll Free: (888) 263-8686
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web: www.awal-labs.com

Kyle F. Gross
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Jose Rocha
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly Ground Water 2013
Lab Sample ID: 1312465-003
Client Sample ID: MW-25_12172013
Collection Date: 12/17/2013 1300h
Received Date: 12/23/2013 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Cadmium	mg/L	12/23/2013 1405h	12/31/2013 349h	E200.8	0.000500	**0.00123**	

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly Ground Water 2013
Lab Sample ID: 1312465-003
Client Sample ID: MW-25_12172013
Collection Date: 12/17/2013 1300h
Received Date: 12/23/2013 1250h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		12/28/2013 843h	E300.0	0.500	**31.2**	
Fluoride	mg/L		12/28/2013 1321h	E300.0	0.100	**0.296**	

463 West 3600 South
Salt Lake City, UT 84115

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly Ground Water 2013
Lab Sample ID: 1312465-004
Client Sample ID: MW-26_12182013
Collection Date: 12/18/2013 1430h
Received Date: 12/23/2013 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Uranium	mg/L	12/23/2013 1405h	12/31/2013 530h	E200.8	0.000300	**0.0704**	

463 West 3600 South
Salt Lake City, UT 84115

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly Ground Water 2013
Lab Sample ID: 1312465-004
Client Sample ID: MW-26_12182013
Collection Date: 12/18/2013 1430h
Received Date: 12/23/2013 1250h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		12/28/2013 908h	E300.0	1.00	**65.7**	
Nitrate/Nitrite (as N)	mg/L		12/27/2013 1806h	E353.2	0.500	**2.56**	1

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

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
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Fax: (801) 263-8687
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web: www.awal-labs.com

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American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly Ground Water 2013
Lab Sample ID: 1312465-004D
Client Sample ID: MW-26_12182013
Collection Date: 12/18/2013 1430h
Received Date: 12/23/2013 1250h
Test Code: 8260-W

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

Analyzed: 12/23/2013 1957h
Units: µg/L **Dilution Factor:** 50 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	50.0	**1,680**	~

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	2,720	2,500	109	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	2,470	2,500	98.6	80-128	
Surr: Dibromofluoromethane	1868-53-7	2,600	2,500	104	80-124	
Surr: Toluene-d8	2037-26-5	2,430	2,500	97.2	77-129	

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

Analyzed: 12/23/2013 1511h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Methylene chloride	75-09-2	1.00	**7.48**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.9	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.2	50.00	98.4	80-128	
Surr: Dibromofluoromethane	1868-53-7	51.5	50.00	103	80-124	
Surr: Toluene-d8	2037-26-5	48.5	50.00	97.1	77-129	

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly Ground Water 2013
Lab Sample ID: 1312465-005
Client Sample ID: MW-30_12182013
Collection Date: 12/18/2013 1040h
Received Date: 12/23/2013 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	12/23/2013 1405h	12/31/2013 355h	E200.8	0.00500	**0.0351**	

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly Ground Water 2013
Lab Sample ID: 1312465-005
Client Sample ID: MW-30_12182013
Collection Date: 12/18/2013 1040h
Received Date: 12/23/2013 1250h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		12/28/2013 933h	E300.0	5.00	**134**	
Nitrate/Nitrite (as N)	mg/L		12/27/2013 1748h	E353.2	2.00	**20.7**	

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
Toll Free: (888) 263-8686
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web: www.awal-labs.com

Kyle F. Gross
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Jose Rocha
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly Ground Water 2013
Lab Sample ID: 1312465-006
Client Sample ID: MW-31_12172013
Collection Date: 12/17/2013 1420h
Received Date: 12/23/2013 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Selenium	mg/L	12/23/2013 1405h	12/31/2013 400h	E200.8	0.00500	**0.0798**	

463 West 3600 South
Salt Lake City, UT 84115

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
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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly Ground Water 2013
Lab Sample ID: 1312465-006
Client Sample ID: MW-31_12172013
Collection Date: 12/17/2013 1420h
Received Date: 12/23/2013 1250h

Analytical Results

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Chloride	mg/L		12/28/2013 159h	E300.0	10.0	**203**	
Nitrate/Nitrite (as N)	mg/L		12/27/2013 1757h	E353.2	2.00	**24.2**	
Sulfate	mg/L		12/28/2013 159h	E300.0	75.0	**656**	
Total Dissolved Solids	mg/L		12/23/2013 1315h	SM2540C	20.0	**1,500**	#

 # - High RPD due to low analyte concentration. In this range, high RPDs are expected.

463 West 3600 South
Salt Lake City, UT 84115

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INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly Ground Water 2013
Lab Sample ID: 1312465-007
Client Sample ID: MW-35_12172013
Collection Date: 12/17/2013 1445h
Received Date: 12/23/2013 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	1/3/2014 1030h	1/3/2014 1802h	E200.8	0.0100	**0.260**	
Selenium	mg/L	12/23/2013 1405h	12/31/2013 405h	E200.8	0.00500	< 0.00500	
Thallium	mg/L	12/23/2013 1405h	12/30/2013 1648h	E200.8	0.000500	< 0.000500	
Uranium	mg/L	12/23/2013 1405h	12/31/2013 536h	E200.8	0.000300	**0.0200**	

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Certificate of Analysis

Report Date: January 14, 2014

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_12172013	Project:	DNMI00100
Sample ID:	339763001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	17-DEC-13 14:45		
Receive Date:	20-DEC-13		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha		4.74	+/-0.407	0.319	1.00	pCi/L		KDF1	01/14/14	1316	1355876	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.

INORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly Ground Water 2013
Lab Sample ID: 1312465-009
Client Sample ID: MW-65_12182013
Collection Date: 12/18/2013 1340h
Received Date: 12/23/2013 1250h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Manganese	mg/L	1/3/2014 1030h	1/3/2014 1807h	E200.8	0.0250	**2.19**	[2]

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

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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ORGANIC ANALYTICAL REPORT

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly Ground Water 2013
Lab Sample ID: 1312465-008A
Client Sample ID: Trip Blank
Collection Date: 12/18/2013
Received Date: 12/23/2013 1250h
Test Code: 8260-W

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

Analyzed: 12/23/2013 1628h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Chloroform	67-66-3	1.00	< 1.00	
Methylene chloride	75-09-2	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.1	50.00	106	72-151	
Surr: 4-Bromofluorobenzene	460-00-4	49.4	50.00	98.9	80-128	
Surr: Dibromofluoromethane	1868-53-7	50.5	50.00	101	80-124	
Surr: Toluene-d8	2037-26-5	48.2	50.00	96.5	77-129	

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American West
ANALYTICAL LABORATORIES

Garrin Palmer
Energy Fuels Resources, Inc.
6425 S. Hwy 191
Blanding, UT 84511
TEL: (435) 678-2221

RE: December Monthly Ground Water 2013

Dear Garrin Palmer: Lab Set ID: 1312465

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
Toll Free: (888) 263-8686
Fax: (801) 263-8687
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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories received 9 sample(s) on 12/23/2013 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, 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=Quality Assurance Officer, email=jose@awal-labs.com, c=US
Date: 2014.01.06 16:36:53 -07'00'

Laboratory Director or designee

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SAMPLE SUMMARY

Client: Energy Fuels Resources, Inc. **Contact:** Garrin Palmer
Project: December Monthly Ground Water 2013
Lab Set ID: 1312465
Date Received: 12/23/2013 1250h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1312465-001A	MW-11_12182013	12/18/2013 1130h	Aqueous	ICPMS Metals, Dissolved
1312465-002A	MW-14_12182013	12/18/2013 1340h	Aqueous	ICPMS Metals, Dissolved
1312465-003A	MW-25_12172013	12/17/2013 1300h	Aqueous	ICPMS Metals, Dissolved
1312465-003B	MW-25_12172013	12/17/2013 1300h	Aqueous	Anions, E300.0
1312465-004A	MW-26_12182013	12/18/2013 1430h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312465-004B	MW-26_12182013	12/18/2013 1430h	Aqueous	Anions, E300.0
1312465-004C	MW-26_12182013	12/18/2013 1430h	Aqueous	ICPMS Metals, Dissolved
1312465-004D	MW-26_12182013	12/18/2013 1430h	Aqueous	VOA by GC/MS Method 8260C/5030C
1312465-005A	MW-30_12182013	12/18/2013 1040h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312465-005B	MW-30_12182013	12/18/2013 1040h	Aqueous	Anions, E300.0
1312465-005C	MW-30_12182013	12/18/2013 1040h	Aqueous	ICPMS Metals, Dissolved
1312465-006A	MW-31_12172013	12/17/2013 1420h	Aqueous	Nitrite/Nitrate (as N), E353.2
1312465-006B	MW-31_12172013	12/17/2013 1420h	Aqueous	Anions, E300.0
1312465-006C	MW-31_12172013	12/17/2013 1420h	Aqueous	ICPMS Metals, Dissolved
1312465-006D	MW-31_12172013	12/17/2013 1420h	Aqueous	Total Dissolved Solids, A2540C
1312465-007A	MW-35_12172013	12/17/2013 1445h	Aqueous	ICPMS Metals, Dissolved
1312465-008A	Trip Blank	12/18/2013	Aqueous	VOA by GC/MS Method 8260C/5030C
1312465-009A	MW-65_12182013	12/18/2013 1340h	Aqueous	ICPMS Metals, Dissolved

American West ANALYTICAL LABORATORIES
463 West 3600 South
Salt Lake City, UT 84115
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Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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Inorganic Case Narrative

Client: Energy Fuels Resources, Inc.
Contact: Garrin Palmer
Project: December Monthly Ground Water 2013
Lab Set ID: 1312465

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt: 12/23/2013
Date(s) of Collection: 12/17 & 12/18/2013
Sample Condition: Intact
C-O-C Discrepancies: See COC

Holding Time and Preservation Requirements: The analysis and preparation of all samples were performed within the method holding times. All 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
1312464-002D	Nitrate/Nitrite	MS/MSD	Sample matrix interference
1312465-004A	Nitrate/Nitrite	MS/MSD	Sample matrix interference
1312465-009A	Manganese	MSD	High analyte concentration

Duplicates (DUP): The parameters that require a duplicate analysis had RPDs within the control limits, with the following exception: On sample 1312465-006D, the RPD for TDS was outside of its control limit due to low analyte concentration.

Corrective Action: None required.

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Volatile Case Narrative

Client:	Energy Fuels Resources, Inc.
Contact:	Garrin Palmer
Project:	December Monthly Ground Water 2013
Lab Set ID:	1312465

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	12/23/2013
Date(s) of Collection:	12/17 & 12/18/2013
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Volatile Organic Compounds

General Set Comments: The target analytes were observed above reporting limits on sample MW-26_12182013 (AWAL 1312465-004D).

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312465
Project: December Monthly Ground Water 2013

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-29606**	Date Analyzed:	12/30/2013 1708h											
Test Code:	200.8-DIS	Date Prepared:	12/23/2013 1405h											
Thallium		0.201	mg/L	E200.8	0.000222	0.00200	0.2000	0	100	85 - 115				
Lab Sample ID:	**LCS-29606**	Date Analyzed:	12/31/2013 230h											
Test Code:	200.8-DIS	Date Prepared:	12/23/2013 1405h											
Cadmium		0.188	mg/L	E200.8	0.0000726	0.000500	0.2000	0	94.0	85 - 115				
Selenium		0.196	mg/L	E200.8	0.000686	0.00200	0.2000	0	97.9	85 - 115				
Uranium		0.196	mg/L	E200.8	0.0000598	0.00200	0.2000	0	98.2	85 - 115				
Lab Sample ID:	**LCS-29736**	Date Analyzed:	01/03/2014 1505h											
Test Code:	200.8-DIS	Date Prepared:	01/03/2014 1030h											
Manganese		0.205	mg/L	E200.8	0.00166	0.00200	0.2000	0	102	85 - 115				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312465
Project: December Monthly Ground Water 2013

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-29606**	Date Analyzed:	12/30/2013 1608h											
Test Code:	200.8-DIS	Date Prepared:	12/23/2013 1405h											
Thallium		< 0.000500	mg/L	E200.8	0.0000555	0.000500								
Lab Sample ID:	**MB-29606**	Date Analyzed:	12/31/2013 224h											
Test Code:	200.8-DIS	Date Prepared:	12/23/2013 1405h											
Cadmium		< 0.000500	mg/L	E200.8	0.0000726	0.000500								
Selenium		< 0.00500	mg/L	E200.8	0.000686	0.00500								
Lab Sample ID:	**MB-29606**	Date Analyzed:	12/31/2013 509h											
Test Code:	200.8-DIS	Date Prepared:	12/23/2013 1405h											
Uranium		< 0.000300	mg/L	E200.8	0.00000598	0.000300								
Lab Sample ID:	**MB-29736**	Date Analyzed:	01/03/2014 1501h											
Test Code:	200.8-DIS	Date Prepared:	01/03/2014 1030h											
Manganese		< 0.0100	mg/L	E200.8	0.00166	0.0100								

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312465
Project: December Monthly Ground Water 2013

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: 1312464-001EMS	Date Analyzed:	12/30/2013 1728h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Thallium	0.198	mg/L	E200.8	0.000222	0.00200	0.2000	0.000267	98.8	75 - 125				
Lab Sample ID: 1312465-001AMS	Date Analyzed:	12/30/2013 1848h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Thallium	0.193	mg/L	E200.8	0.000222	0.00200	0.2000	0	96.3	75 - 125				
Lab Sample ID: 1312464-001EMS	Date Analyzed:	12/31/2013 251h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Cadmium	0.196	mg/L	E200.8	0.0000726	0.000500	0.2000	0	97.9	75 - 125				
Selenium	0.196	mg/L	E200.8	0.000686	0.00200	0.2000	0.00294	96.6	75 - 125				
Uranium	0.203	mg/L	E200.8	0.0000598	0.00200	0.2000	0.0015	101	75 - 125				
Lab Sample ID: 1312465-001AMS	Date Analyzed:	12/31/2013 333h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Cadmium	0.182	mg/L	E200.8	0.0000726	0.000500	0.2000	0	91.0	75 - 125				
Selenium	0.203	mg/L	E200.8	0.000686	0.00200	0.2000	0	102	75 - 125				
Uranium	0.185	mg/L	E200.8	0.0000598	0.00200	0.2000	0.00107	92.1	75 - 125				
Lab Sample ID: 1312464-001EMS	Date Analyzed:	01/03/2014 1523h											
Test Code: 200.8-DIS	Date Prepared:	01/03/2014 1030h											
Manganese	0.202	mg/L	E200.8	0.00166	0.00200	0.2000	0.00353	99.3	75 - 125				
Lab Sample ID: 1312465-009AMS	Date Analyzed:	01/03/2014 1813h											
Test Code: 200.8-DIS	Date Prepared:	01/03/2014 1030h											
Manganese	2.38	mg/L	E200.8	0.00416	0.00500	0.2000	2.19	97.7	75 - 125				

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312465
Project: December Monthly Ground Water 2013

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: 1312464-001EMSD	Date Analyzed:	12/30/2013 1738h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Thallium	0.202	mg/L	E200.8	0.000222	0.00200	0.2000	0.000267	101	75 - 125	0.198	1.85	20	
Lab Sample ID: 1312465-001AMSD	Date Analyzed:	12/30/2013 1858h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Thallium	0.197	mg/L	E200.8	0.000222	0.00200	0.2000	0	98.3	75 - 125	0.193	2.09	20	
Lab Sample ID: 1312464-001EMSD	Date Analyzed:	12/31/2013 256h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Cadmium	0.190	mg/L	E200.8	0.0000726	0.000500	0.2000	0	95.0	75 - 125	0.196	3.09	20	
Selenium	0.193	mg/L	E200.8	0.000686	0.00200	0.2000	0.00294	94.9	75 - 125	0.196	1.71	20	
Uranium	0.195	mg/L	E200.8	0.0000598	0.00200	0.2000	0.0015	97.0	75 - 125	0.203	3.57	20	
Lab Sample ID: 1312465-001AMSD	Date Analyzed:	12/31/2013 339h											
Test Code: 200.8-DIS	Date Prepared:	12/23/2013 1405h											
Cadmium	0.179	mg/L	E200.8	0.0000726	0.000500	0.2000	0	89.3	75 - 125	0.182	1.92	20	
Selenium	0.184	mg/L	E200.8	0.000686	0.00200	0.2000	0	92.2	75 - 125	0.203	9.77	20	
Uranium	0.183	mg/L	E200.8	0.0000598	0.00200	0.2000	0.00107	91.0	75 - 125	0.185	1.20	20	
Lab Sample ID: 1312464-001EMSD	Date Analyzed:	01/03/2014 1527h											
Test Code: 200.8-DIS	Date Prepared:	01/03/2014 1030h											
Manganese	0.205	mg/L	E200.8	0.00166	0.00200	0.2000	0.00353	101	75 - 125	0.202	1.56	20	
Lab Sample ID: 1312465-009AMSD	Date Analyzed:	01/03/2014 1818h											
Test Code: 200.8-DIS	Date Prepared:	01/03/2014 1030h											
Manganese	2.54	mg/L	E200.8	0.00416	0.00500	0.2000	2.19	174	75 - 125	2.38	6.17	20	2

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312465
Project: December Monthly Ground Water 2013

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: 1312464-001CDUP Date Analyzed: 12/23/2013 1315h Test Code: TDS-W-2540C													
Total Dissolved Solids	5,140	mg/L	SM2540C	8.00	20.0					5150	0.156	5	
Lab Sample ID: 1312465-006DDUP Date Analyzed: 12/23/2013 1315h Test Code: TDS-W-2540C													
Total Dissolved Solids	1,420	mg/L	SM2540C	8.00	20.0					1500	6.03	5	#

 # - High RPD due to low analyte concentration. In this range, high RPDs are expected.

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312465
Project: December Monthly Ground Water 2013

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-R63147 Date Analyzed: 12/27/2013 1528h													
Test Code: 300.0-W													
Chloride	5.19	mg/L	E300.0	0.0114	0.100	5.000	0	104	90 - 110				
Fluoride	5.09	mg/L	E300.0	0.0126	0.100	5.000	0	102	90 - 110				
Sulfate	5.01	mg/L	E300.0	0.177	0.750	5.000	0	100	90 - 110				
Lab Sample ID: LCS-63141 Date Analyzed: 12/27/2013 1723h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.03	mg/L	E353.2	0.00252	0.100	1.000	0	103	90 - 110				
Lab Sample ID: LCS-R63096 Date Analyzed: 12/23/2013 1315h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	202	mg/L	SM2540C	4.00	10.0	205.0	0	98.5	80 - 120				

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312465
Project: December Monthly Ground Water 2013

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-R63147 Date Analyzed: 12/27/2013 1503h													
Test Code: 300.0-W													
Chloride	< 0.100	mg/L	E300.0	0.0114	0.100								
Fluoride	< 0.100	mg/L	E300.0	0.0126	0.100								
Sulfate	< 0.750	mg/L	E300.0	0.177	0.750								
Lab Sample ID: MB-63141 Date Analyzed: 12/27/2013 1720h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	< 0.100	mg/L	E353.2	0.00252	0.100								
Lab Sample ID: MB-R63096 Date Analyzed: 12/23/2013 1315h													
Test Code: TDS-W-2540C													
Total Dissolved Solids	< 10.0	mg/L	SM2540C	4.00	10.0								

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312465
Project: December Monthly Ground Water 2013

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: 1312464-001BMS Date Analyzed: 12/27/2013 2328h													
Test Code: 300.0-W													
Chloride	25,700	mg/L	E300.0	57.0	500	25,000	67.6	102	90 - 110				
Fluoride	25,300	mg/L	E300.0	63.0	500	25,000	0	101	90 - 110				
Sulfate	28,200	mg/L	E300.0	885	3,750	25,000	3140	100	90 - 110				
Lab Sample ID: 1312465-006BMS Date Analyzed: 12/28/2013 224h													
Test Code: 300.0-W													
Chloride	5,380	mg/L	E300.0	11.4	100	5,000	203	104	90 - 110				
Fluoride	5,100	mg/L	E300.0	12.6	100	5,000	0	102	90 - 110				
Sulfate	5,660	mg/L	E300.0	177	750	5,000	656	100	90 - 110				
Lab Sample ID: 1312464-002DMS Date Analyzed: 12/27/2013 1749h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.34	mg/L	E353.2	0.00252	0.100	1.000	0.23	111	90 - 110				1
Lab Sample ID: 1312465-004AMS Date Analyzed: 12/27/2013 1807h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	8.77	mg/L	E353.2	0.0126	0.500	5.000	2.56	124	90 - 110				1

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312465
Project: December Monthly Ground Water 2013

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: 1312464-001BMSD Date Analyzed: 12/27/2013 2353h													
Test Code: 300.0-W													
Chloride	25,900	mg/L	E300.0	57.0	500	25,000	67.6	103	90 - 110	25700	0.745	20	
Fluoride	25,400	mg/L	E300.0	63.0	500	25,000	0	102	90 - 110	25300	0.559	20	
Sulfate	28,100	mg/L	E300.0	885	3,750	25,000	3140	99.9	90 - 110	28200	0.246	20	
Lab Sample ID: 1312465-006BMSD Date Analyzed: 12/28/2013 250h													
Test Code: 300.0-W													
Chloride	5,360	mg/L	E300.0	11.4	100	5,000	203	103	90 - 110	5380	0.401	20	
Fluoride	5,110	mg/L	E300.0	12.6	100	5,000	0	102	90 - 110	5100	0.206	20	
Sulfate	5,610	mg/L	E300.0	177	750	5,000	656	99.1	90 - 110	5660	0.754	20	
Lab Sample ID: 1312464-002DMSD Date Analyzed: 12/27/2013 1751h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	1.37	mg/L	E353.2	0.00252	0.100	1.000	0.23	114	90 - 110	1.34	1.77	10	1
Lab Sample ID: 1312465-004AMSD Date Analyzed: 12/27/2013 1809h													
Test Code: NO2/NO3-W-353.2													
Nitrate/Nitrite (as N)	8.59	mg/L	E353.2	0.0126	0.500	5.000	2.56	121	90 - 110	8.77	2.10	10	1

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

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312465
Project: December Monthly Ground Water 2013

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 122313B Date Analyzed: 12/23/2013 1337h Test Code: 8260-W													
Chloroform	20.9	µg/L	SW8260C	0.277	2.00	20.00	0	104	67 - 132				
Methylene chloride	20.6	µg/L	SW8260C	0.155	2.00	20.00	0	103	32 - 185				
Surr: 1,2-Dichloroethane-d4	50.9	µg/L	SW8260C			50.00		102	76 - 138				
Surr: 4-Bromofluorobenzene	47.6	µg/L	SW8260C			50.00		95.2	77 - 121				
Surr: Dibromofluoromethane	50.2	µg/L	SW8260C			50.00		100	67 - 128				
Surr: Toluene-d8	48.6	µg/L	SW8260C			50.00		97.2	81 - 135				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312465
Project: December Monthly Ground Water 2013

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 122313B Date Analyzed: 12/23/2013 1415h													
Test Code: 8260-W													
Chloroform	< 1.00	µg/L	SW8260C	0.277	1.00								
Methylene chloride	< 1.00	µg/L	SW8260C	0.155	1.00								
Surr: 1,2-Dichloroethane-d4	52.2	µg/L	SW8260C			50.00		104	76 - 138				
Surr: 4-Bromofluorobenzene	48.2	µg/L	SW8260C			50.00		96.3	77 - 121				
Surr: Dibromofluoromethane	50.0	µg/L	SW8260C			50.00		99.9	67 - 128				
Surr: Toluene-d8	48.2	µg/L	SW8260C			50.00		96.5	81 - 135				

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QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312465
Project: December Monthly Ground Water 2013

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: 1312465-004DMS Date Analyzed: 12/23/2013 2016h													
Test Code: 8260-W													
Chloroform	2,650	µg/L	SW8260C	13.8	100	1,000	1680	97.1	50 - 146				
Methylene chloride	1,130	µg/L	SW8260C	7.75	100	1,000	0	113	30 - 192				
Surr: 1,2-Dichloroethane-d4	2,630	µg/L	SW8260C			2,500		105	72 - 151				
Surr: 4-Bromofluorobenzene	2,370	µg/L	SW8260C			2,500		94.7	80 - 128				
Surr: Dibromofluoromethane	2,560	µg/L	SW8260C			2,500		102	80 - 124				
Surr: Toluene-d8	2,380	µg/L	SW8260C			2,500		95.1	77 - 129				
Lab Sample ID: 1312464-001AMS Date Analyzed: 12/23/2013 1919h													
Test Code: 8260-W													
Chloroform	21.1	µg/L	SW8260C	0.277	2.00	20.00	0	106	50 - 146				
Methylene chloride	21.5	µg/L	SW8260C	0.155	2.00	20.00	0	108	30 - 192				
Surr: 1,2-Dichloroethane-d4	54.0	µg/L	SW8260C			50.00		108	72 - 151				
Surr: 4-Bromofluorobenzene	47.8	µg/L	SW8260C			50.00		95.6	80 - 128				
Surr: Dibromofluoromethane	52.3	µg/L	SW8260C			50.00		105	80 - 124				
Surr: Toluene-d8	48.7	µg/L	SW8260C			50.00		97.3	77 - 129				

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Energy Fuels Resources, Inc.
Lab Set ID: 1312465
Project: December Monthly Ground Water 2013

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: 1312465-004DMSD Date Analyzed: 12/23/2013 2035h													
Test Code: 8260-W													
Chloroform	2,610	µg/L	SW8260C	13.8	100	1,000	1680	93.4	50 - 146	2650	1.43	25	
Methylene chloride	1,120	µg/L	SW8260C	7.75	100	1,000	0	112	30 - 192	1130	1.34	25	
Surr: 1,2-Dichloroethane-d4	2,640	µg/L	SW8260C			2,500		106	72 - 151				
Surr: 4-Bromofluorobenzene	2,380	µg/L	SW8260C			2,500		95.2	80 - 128				
Surr: Dibromofluoromethane	2,580	µg/L	SW8260C			2,500		103	80 - 124				
Surr: Toluene-d8	2,400	µg/L	SW8260C			2,500		96.1	77 - 129				
Lab Sample ID: 1312464-001AMSD Date Analyzed: 12/23/2013 1938h													
Test Code: 8260-W													
Chloroform	19.9	µg/L	SW8260C	0.277	2.00	20.00	0	99.7	50 - 146	21.1	5.85	25	
Methylene chloride	20.8	µg/L	SW8260C	0.155	2.00	20.00	0	104	30 - 192	21.5	3.50	25	
Surr: 1,2-Dichloroethane-d4	53.4	µg/L	SW8260C			50.00		107	72 - 151				
Surr: 4-Bromofluorobenzene	48.0	µg/L	SW8260C			50.00		96.0	80 - 128				
Surr: Dibromofluoromethane	52.0	µg/L	SW8260C			50.00		104	80 - 124				
Surr: Toluene-d8	48.3	µg/L	SW8260C			50.00		96.6	77 - 129				

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American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1312465**

Client: Energy Fuels Resources, Inc. Due Date: 1/3/14

Client ID: DEN100 **Contact:** Garrin Palmer

Project: **December Monthly Ground Water 2013** **QC Level:** III WO Type: Project

Comments: PA Rush. QC 3 (Summary/No chromatograms). Project specific DL's: see COC. Run 200.8 on the Agilent. Metals have been field filtered. EDD-Denison and EIM-Locus. Email Group.;

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1312465-001A	**MW-11_12182013**	12/18/2013 1130h	12/23/2013 1250h	**200.8-DIS**	Aqueous	☑	df - metals	1
				1 SEL Analytes: MN				
				200.8-DIS-PR		☐	df - metals	
1312465-002A	**MW-14_12182013**	12/18/2013 1340h	12/23/2013 1250h	**200.8-DIS**	Aqueous	☑	df - metals	1
				1 SEL Analytes: MN				
				200.8-DIS-PR		☐	df - metals	
1312465-003A	**MW-25_12172013**	12/17/2013 1300h	12/23/2013 1250h	**200.8-DIS**	Aqueous	☑	df - metals	1
				1 SEL Analytes: CD				
				200.8-DIS-PR		☐	df - metals	
1312465-003B				**300.0-W**		☑	df - wc	
				2 SEL Analytes: CL F				
1312465-004A	**MW-26_12182013**	12/18/2013 1430h	12/23/2013 1250h	**NO2/NO3-W-353.2**	Aqueous	☐	df - no2/no3	1
1312465-004B				**300.0-W**		☑	df - wc	
				1 SEL Analytes: CL				
1312465-004C				**200.8-DIS**		☑	df - metals	
				1 SEL Analytes: U				
				200.8-DIS-PR		☐	df - metals	
1312465-004D				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 2 / # of Surr: 4				
1312465-005A	**MW-30_12182013**	12/18/2013 1040h	12/23/2013 1250h	**NO2/NO3-W-353.2**	Aqueous	☐	df - no2/no3	1
1312465-005B				**300.0-W**		☑	df - wc	
				1 SEL Analytes: CL				
1312465-005C				**200.8-DIS**		☑	df - metals	
				1 SEL Analytes: SE				
				200.8-DIS-PR		☐	df - metals	
1312465-006A	**MW-31_12172013**	12/17/2013 1420h	12/23/2013 1250h	**NO2/NO3-W-353.2**	Aqueous	☐	df - no2/no3	1
1312465-006B				**300.0-W**		☑	df - wc	
				2 SEL Analytes: CL SO4				
1312465-006C				**200.8-DIS**		☑	df - metals	
				1 SEL Analytes: SE				
				200.8-DIS-PR		☐	df - metals	
1312465-006D				**TDS-W-2540C**		☐	ww - tds	

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WORK ORDER Summary

Work Order: **1312465**

Client: Energy Fuels Resources, Inc. Due Date: 1/3/14

Sample ID	Client Sample ID	Collected Date	Received Date	Test Code	Matrix	Sel	Storage	
1312465-007A	**MW-35_12172013**	12/17/2013 1445h	12/23/2013 1250h	**200.8-DIS**	Aqueous	☑	df - metals	1
				4 SEL Analytes: MN SE TL U				
				200.8-DIS-PR		☐	df - metals	
1312465-007B				**8260-W**		☑	VOCFridge	3
				Test Group: 8260-W-Custom; # of Analytes: 2 / # of Surr: 4				
1312465-008A	**Trip Blank**	12/18/2013	12/23/2013 1250h		Aqueous	☐		0
1312465-009A	**MW-65_12182013**	12/18/2013 1340h	12/23/2013 1250h	**200.8-DIS**	Aqueous	☑	df - metals	1
				1 SEL Analytes: MN				
				200.8-DIS-PR		☐	df - metals	

AWAL Use Only Close Hold Times

Test Code	# Samps	Min. days left
TDS-W-2540C	1	.88

American West Analytical Laboratories

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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.

1312405
AWAL Lab Sample Set #
Page 1 of 1

Client:	Energy Fuels Resources, Inc.
Address:	6425 S. Hwy. 191
	Blanding, UT 84511
Contact:	Garrin Palmer
Phone #:	(435) 678-2221 Cell #:
Email:	gpalmer@energyfuels.com; KWeinel@energyfuels.com; dturk@energyfuels.com
Project Name:	December Monthly Ground Water 2013
Project #:	
PO #:	
Sampler Name:	Tanner Holliday

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:

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)	Fluoride (A4500-F C or 300.0)	VOCs Chloroform and Dichloromethane (8260C)	Known Hazards & Sample Comments
1	MW-11_12182013	12/18/13	1130	1	W		X										
2	MW-14_12182013	12/18/13	1340	1	W		X										
3	MW-25_12172013	12/17/13	1300	2	W			X			X				X		
4	MW-26_12182013	12/18/13	1430	6	W	X		X		X						X	
5	MW-30_12182013	12/18/13	1040	3	W	X		X				X					
6	MW-31_12172013	12/17/13	1420	4	W	X		X	X			X		X			
7	MW-35_12172013	12/17/13	1445	1	W		X			X		X	X				
8	Trip Blank	12/18/13		3	W											X	
9	Temp Blank	12/19/13															
10	MW-65_12182013	12/18/13	13:40				X										sample not on COC Mn per Tanner. de 12/23/13
11																	
12																	

Laboratory Use Only

Samples Were: Fed Ex
1 (Shipped) or hand delivered
2 Ambient or Chilled
3 Temperature 2.9 °C
4 Received Broken/Leaking (Improperly Sealed) Y (N)
5 (Properly) Preserved (Y) N; Checked at bench Y N
6 Received Within Holding Times (Y) N

COC Tape Was:
1 Present on Outer Package Y N (NA)
2 Unbroken on Outer Package Y N (NA)
3 Present on Sample Y N (NA)
4 Unbroken on Sample Y N (NA)

Discrepancies Between Sample Labels and COC Record? Y (N)

Relinquished by: Signature	Tanner Holliday	Date: 12/19/2013	Received by: Signature
Print Name:	Tanner Holliday	Time: 1100	Print Name: Amber Cuff
Relinquished by: Signature		Date:	Received by: Signature
Print Name:		Time:	Print Name:
Relinquished by: Signature		Date:	Received by: Signature
Print Name:		Time:	Print Name:
Relinquished by: Signature		Date:	Received by: Signature
Print Name:		Time:	Print Name:

Received by: Signature — Date: 12/20/13 — Time: 12:50

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: 13124465

Preservation Check Sheet

Sample Set Extension and pH

Analysis	Preservative	-001	-002	-003	-004	-005	-006	-007											
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 12 #3			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

www.gel.com

January 14, 2014

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 339763

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on December 20, 2013. 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. 4505.

Sincerely,

Heather Shaffer

Heather Shaffer
Project Manager

Purchase Order: DW16138
Enclosures

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 339763

January 14, 2014

Laboratory Identification:

GEL Laboratories LLC
2040 Savage Road
Charleston, South Carolina 29407
(843) 556-8171

Summary:

Sample receipt: The sample arrived at GEL Laboratories LLC, Charleston, South Carolina on December 20, 2013 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
339763001	MW-35_12172013

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.

Heather Shaffer

Heather Shaffer
Project Manager

339763

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
December Monthly GW 2013	Garrin Palmer	Garrin Palmer

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-35_12172013	12/17/2013	1445	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer Garrin Palmer	12/19/2013 1200	P. Ment	10:45 12-20-13
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	SDG/AR/COC/Work Order: 339763
Received By: P. Ward	Date Received: 12-20-13

Suspected Hazard Information	Yes	No	*If Net Counts > 100cpm on samples not marked "radioactive", contact the Radiation Safety Group for further investigation.
COC/Samples marked as radioactive?		X	Maximum Net Counts Observed* (Observed Counts - Area Background Counts): 0 CPM
Classified Radioactive II or III by RSO?		X	If yes, Were swipes taken of sample contatiners < action levels?
COC/Samples marked containing PCBs?		X	
Package, COC, and/or Samples marked as beryllium or asbestos containing?		X	If yes, samples are to be segregeated as Safety Controlled Samples, and opened by the GEL Safety Group.
Shipped as a DOT Hazardous?		X	Hazard Class Shipped: UN#:
Samples identified as Foreign Soil?		X	

	Sample Receipt Criteria	Yes	NA	No	Comments/Qualifiers (Required for Non-Conforming Items)
1	Shipping containers received intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
2	Samples requiring cold preservation within (0 ≤ 6 deg. C)?*		X		Preservation Method: Ice bags Blue ice Dry ice None Other (describe) 14c *all temperatures are recorded in Celsius
2a	Daily check performed and passed on IR temperature gun?	X			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): 130462966
3	Chain of custody documents included with shipment?	X			
4	Sample containers intact and sealed?	X			Circle Applicable: Seals broken Damaged container Leaking container Other (describe)
5	Samples requiring chemical preservation at proper pH?	X			Sample ID's, containers affected and observed pH: If Preservation added, Lot#:
6	VOA vials free of headspace (defined as < 6mm bubble)?		X		Sample ID's and containers affected:
7	Are Encore containers present?			X	(If yes, immediately deliver to Volatiles laboratory)
8	Samples received within holding time?	X			ID's and tests affected:
9	Sample ID's on COC match ID's on bottles?	X			Sample ID's and containers affected:
10	Date & time on COC match date & time on bottles?	X			Sample ID's affected:
11	Number of containers received match number indicated on COC?			X	Sample ID's affected: Lab rec'd (1) Container Each
12	Are sample containers identifiable as GEL provided?	X			
13	COC form is properly signed in relinquished/received sections?	X			
14	Carrier and tracking number.				Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 8030 3446 7088-14

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials SE Date 12.23.13 Page 1 of 1

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 339763 December Monthly GW 2013
Client SDG: 339763
Project Manager: Heather Shaffer
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 17-JAN-14
Package Due Date: 14-JAN-14
EDD Due Date: 17-JAN-14
Due Date: 17-JAN-14
HXS1

Collector: C
Prelogin #: 20131211738
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
339763001	MW-35_12172013		17-DEC-13 14:45	20-DEC-13 10:45	-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_12172013	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 Case Narrative
Energy Fuels Resources (DNMI)
SDG 339763

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1355876

Sample ID	Client ID
339763001	MW-35_12172013
1203009587	Method Blank (MB)
1203009588	339762001(MW-23_12182013) Sample Duplicate (DUP)
1203009589	339762001(MW-23_12182013) Matrix Spike (MS)
1203009590	339762001(MW-23_12182013) Matrix Spike Duplicate (MSD)
1203009591	Laboratory Control Sample (LCS)

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.

Designated QC
The following sample was used for QC: 339762001 (MW-23_12182013).

QC Information
All of the QC samples met the required acceptance limits.

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.

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.

Additional Comments
The matrix spike and matrix spike duplicate, 1203009589 (MW-23_12182013) and 1203009590 (MW-23_12182013), 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: 339763 GEL Work Order: 339763

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Heather McCarty **Name: Heather McCarty**

Date: 14 JAN 2014 **Title: Analyst II**

GEL LABORATORIES LLC

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

QC Summary

Report Date: January 14, 2014

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

Contact: **Ms. Kathy Weinel**

Workorder: **339763**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1355876										
QC1203009588 339762001 DUP										
Gross Radium Alpha		1.23		1.03	pCi/L	17.6		(0% - 100%)	KDF1	01/14/14 13:2
	Uncertainty	+/-0.282		+/-0.214						
QC1203009591 LCS										
Gross Radium Alpha	555			626	pCi/L		113	(75%-125%)		01/14/14 13:1
	Uncertainty			+/-5.26						
QC1203009587 MB										
Gross Radium Alpha			U	0.415	pCi/L					01/14/14 13:1
	Uncertainty			+/-0.162						
QC1203009589 339762001 MS										
Gross Radium Alpha	1120	1.23		1110	pCi/L		98.9	(75%-125%)		01/14/14 13:2
	Uncertainty	+/-0.282		+/-9.91						
QC1203009590 339762001 MSD										
Gross Radium Alpha	1120	1.23		1120	pCi/L	1.39	100	(0%-20%)		01/14/14 13:1
	Uncertainty	+/-0.282		+/-8.86						

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: 339763

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.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab G

Quality Assurance and Data Validation Tables

G-1A: Routine Field Data QA/QC Evaluation

Well	Sample Date	Time Req'd for 2 Casings	Time Pumped (min)	Amount Sufficient?	Conductance		RPD(%)	pH		RPD(%)	Temp (°C)		RPD(%)	Redox Potential (Eh)		RPD(%)	Turbidity (NTU)		>5 NTU	RPD(%)
MW-01	12/4/2013	183.56	190	Y	1929	1924	0.26	7.02	7.04	0.28	12.80	12.81	0.08	219	217	0.92	0	0	N	0.00
MW-02	12/5/2013	141.31	150	Y	3720	3720	0.00	7.15	7.13	0.28	12.87	12.91	0.31	356	354	0.56	0	0	N	0.00
MW-03	12/11/2013	47.35	50	Y	3925	3935	0.25	6.80	6.78	0.29	16.43	16.40	0.18	325	323	0.62	14	14	Y	0.00
MW-03A	12/11/2013	67.34	70	Pumped dry	5935	5940	0.08	7.00	6.98	0.29	10.34	10.40	0.58	NM		NC	NM		N	NC
MW-05	12/4/2013	197.28	210	Y	3074	3078	0.13	7.58	7.58	0.00	11.91	11.85	0.51	204	202	0.99	0	0	N	0.00
MW-11	11/19/2013	259.51	260	Y	2910	2905	0.17	7.34	7.33	0.14	14.23	14.24	0.07	217	213	1.86	0	0	N	0.00
MW-12	12/9/2013	131.44	135	Y	4238	4239	0.02	6.67	6.69	0.30	12.40	12.42	0.16	311	308	0.97	2.3	2.3	Y	0.00
MW-14	11/20/2013	153.04	155	Y	3943	3937	0.15	6.51	6.51	0.00	14.26	14.28	0.14	361	361	0.00	0	0	N	0.00
MW-15	11/20/2013	185.90	190	Y	4314	4312	0.05	6.62	6.61	0.15	14.34	14.36	0.14	353	353	0.00	0	0	N	0.00
MW-17	12/9/2013	231.10	240	Y	4018	4020	0.05	6.95	6.94	0.14	13.28	13.31	0.23	330	328	0.61	0	0	N	0.00
MW-18	12/3/2013	383.19	390	Y	3500	3498	0.06	6.38	6.38	0.00	13.95	13.91	0.29	387	386	0.26	21	21	Y	0.00
MW-19	12/3/2013	550.44	560	Y	1647	1645	0.12	6.57	6.58	0.15	13.98	14.01	0.21	359	359	0.00	1.1	1.1	N	0.00
MW-20	12/18/2013	N/A	NA	Bailed dry.	5970	5981	0.18	7.73	7.71	0.26	13.30	13.39	0.67	NM		NC	NM		N	NC
MW-22	12/10/2013	276.66	300	Y	6957	6936	0.30	4.87	4.88	0.21	14.12	14.15	0.21	401	402	0.25	9.0	9.2	Y	2.20
MW-23	12/18/2013	123.45	125	Pumped dry	3961	3918	1.09	7.26	7.21	0.69	13.08	13.15	0.53	NM		NC	NM		N	NC
MW-24	12/12/2013	39.79	40	Y	4511	4490	0.47	6.14	6.08	0.98	13.66	13.59	0.51	NM		NC	NM		N	NC
MW-25	11/19/2013	250.66	260	Y	3211	3214	0.09	6.62	6.62	0.00	14.29	14.29	0.00	333	333	0.00	47	49	Y	4.17
MW-26	11/20/2013	NA			3517		NC	6.83		NC	13.97		NC	265		NC	0		N	NC
MW-27	12/4/2013	257.64	270	Y	1510	1515	0.33	7.16	7.16	0.00	14.10	14.15	0.35	250	249	0.40	0	0	N	0.00
MW-28	12/4/2013	209.50	220	Y	3995	3980	0.38	6.07	6.10	0.49	13.55	13.48	0.52	298	298	0.00	0	0	N	0.00
MW-29	11/20/2013	153.59	160	Y	4686	4692	0.13	6.36	6.35	0.16	13.93	13.96	0.22	253	251	0.79	13	14	Y	7.41
MW-30	11/20/2013	210.88	215	Y	2050	2052	0.10	6.84	6.84	0.00	14.24	14.22	0.14	322	322	0.00	0	0	N	0.00
MW-31	11/18/2013	375.24	380	Y	2062	2062	0.00	6.99	6.99	0.00	14.22	14.24	0.14	293	294	0.34	0	0	N	0.00
MW-32	11/18/2013	350.27	360	Y	3928	3929	0.03	6.30	6.29	0.16	14.35	14.37	0.14	232	229	1.30	50	50	Y	0.00
MW-35	11/19/2013	74.20	80	Y	4197	4196	0.02	6.52	6.52	0.00	14.20	14.20	0.00	281	284	1.06	0	0	N	0.00
MW-36	11/20/2013	68.06	70	Y	12	12	0.00	6.77	6.76	0.15	14.06	14.10	0.28	307	308	0.33	0	0	N	0.00
MW-37	12/18/2013	N/A	N/A	Bailed dry.	4333	4341	0.18	6.94	6.94	0.00	14.44	14.37	0.49	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 greater than 5 NTU are included for information purposes only.

MW-26 is a continuously pumped well.

Well was purged dry.

N/A = The amount of water in the well was insufficient to purge. The pump was not able to operate due to the minimal amount of water. The well was purged and sampled with a bailer.

NM = Not Measured. The QAP does not require the measurement of redox potential or turbidity in wells that were purged to dryness.

NC = Not calculated.

Well was purged dry after 2 casing volumes were removed.

G-1B: Accelerated Field Data QA/QC Evaluation

Well	Sample Date	Time Req'd for 2 Casings	Time Pumped (min)	Amount Sufficient?	Conductance		RPD(%)	pH		RPD(%)	Temp (°C)		RPD(%)	Redox Potential (Eh)		RPD(%)	Turbidity (NTU)		<5 (NTU)	RPD(%)
Accelerated October Monthly																				
MW-11	10/22/2013	258.01	260	Y	2899	2897	0.07	7.59	7.62	0.39	14.81	14.82	0.07	198	198	0.00	0	0	Y	0.00
MW-14	10/22/2013	150.88	160	Y	1139	1155	1.39	6.76	6.77	0.15	14.53	14.57	0.27	361	361	0.00	0	0	Y	0.00
MW-25	10/22/2013	249.88	255	Y	3247	3249	0.06	6.80	6.81	0.15	14.70	14.68	0.14	337	337	0.00	15	16	N	6.45
MW-26	10/23/2013	NA			3549		NC	6.82		NC	16.14		NC	273		NC	0.0		Y	NC
MW-30	10/22/2013	208.47	215	Y	2074	2073	0.05	6.94	6.96	0.29	14.58	14.57	0.07	309	305	1.30	0	0	Y	0.00
MW-31	10/23/2013	375.85	380	Y	2078	2074	0.19	7.34	7.35	0.14	14.70	14.71	0.07	307	306	0.33	0	0	Y	0.00
MW-35	10/23/2013	72.70	80	Y	4230	4230	0.00	6.82	6.83	0.15	14.70	14.69	0.07	292	291	0.34	0	0	Y	0.00
Accelerated December Monthly																				
MW-11	12/18/2013	259.03	270	Y	2985	3001	0.53	7.73	7.74	0.13	13.65	13.7	0.37	134	130	3.03	0	0	Y	0.00
MW-14	12/18/2013	151.48	160	Y	3920	3910	0.26	6.74	6.74	0.00	14.24	14.20	0.28	345	344	0.29	0	0	Y	0.00
MW-25	12/17/2013	248.56	250	Y	3191	3197	0.19	6.75	6.73	0.30	14.49	14.51	0.14	342	341	0.29	0	0	Y	0.00
MW-26	12/18/2013	NA			3045		NC	6.93		NC	14.22		NC	276		NC	0.0		Y	NC
MW-30	12/18/2013	208.83	210	Y	2073	2066	0.34	7.10	7.10	0.00	13.68	13.71	0.22	286	282	1.41	0	0	Y	0.00
MW-31	12/17/2013	376.45	380	Y	2062	2062	0.00	7.20	7.23	0.42	14.34	14.41	0.49	323	320	0.93	0	0	Y	0.00
MW-35	12/17/2013	72.28	90	Y	4167	4166	0.02	6.74	6.73	0.15	14.06	14.03	0.21	274	268	2.21	0	0	Y	0.00

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements greater than 5 NTU are included for information purposes only.

MW-26 is a continuously pumped well.

Chloroform and methylene chloride esults are reported from the chloroform program sample collected June 5, 2013.

G-2A: 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	11/18/2013	11/22/2013	4	14	OK
Trip Blank	Acetone	11/18/2013	11/22/2013	4	14	OK
Trip Blank	Benzene	11/18/2013	11/22/2013	4	14	OK
Trip Blank	Carbon tetrachloride	11/18/2013	11/22/2013	4	14	OK
Trip Blank	Chloroform	11/18/2013	11/22/2013	4	14	OK
Trip Blank	Chloromethane	11/18/2013	11/22/2013	4	14	OK
Trip Blank	Methylene chloride	11/18/2013	11/22/2013	4	14	OK
Trip Blank	Naphthalene	11/18/2013	11/22/2013	4	14	OK
Trip Blank	Tetrahydrofuran	11/18/2013	11/22/2013	4	14	OK
Trip Blank	Toluene	11/18/2013	11/22/2013	4	14	OK
Trip Blank	Xylenes, Total	11/18/2013	11/22/2013	4	14	OK
Trip Blank	2-Butanone	12/3/2013	12/9/2013	6	14	OK
Trip Blank	Acetone	12/3/2013	12/9/2013	6	14	OK
Trip Blank	Benzene	12/3/2013	12/9/2013	6	14	OK
Trip Blank	Carbon tetrachloride	12/3/2013	12/9/2013	6	14	OK
Trip Blank	Chloroform	12/3/2013	12/9/2013	6	14	OK
Trip Blank	Chloromethane	12/3/2013	12/9/2013	6	14	OK
Trip Blank	Methylene chloride	12/3/2013	12/9/2013	6	14	OK
Trip Blank	Naphthalene	12/3/2013	12/9/2013	6	14	OK
Trip Blank	Tetrahydrofuran	12/3/2013	12/9/2013	6	14	OK
Trip Blank	Toluene	12/3/2013	12/9/2013	6	14	OK
Trip Blank	Xylenes, Total	12/3/2013	12/9/2013	6	14	OK
Trip Blank	2-Butanone	12/9/2013	12/13/2013	4	14	OK
Trip Blank	Acetone	12/9/2013	12/13/2013	4	14	OK
Trip Blank	Benzene	12/9/2013	12/13/2013	4	14	OK
Trip Blank	Carbon tetrachloride	12/9/2013	12/13/2013	4	14	OK
Trip Blank	Chloroform	12/9/2013	12/13/2013	4	14	OK
Trip Blank	Chloromethane	12/9/2013	12/13/2013	4	14	OK
Trip Blank	Methylene chloride	12/9/2013	12/13/2013	4	14	OK
Trip Blank	Naphthalene	12/9/2013	12/13/2013	4	14	OK
Trip Blank	Tetrahydrofuran	12/9/2013	12/13/2013	4	14	OK
Trip Blank	Toluene	12/9/2013	12/13/2013	4	14	OK
Trip Blank	Xylenes, Total	12/9/2013	12/13/2013	4	14	OK
Trip Blank	2-Butanone	12/18/2013	12/23/2013	5	14	OK
Trip Blank	Acetone	12/18/2013	12/23/2013	5	14	OK
Trip Blank	Benzene	12/18/2013	12/23/2013	5	14	OK
Trip Blank	Carbon tetrachloride	12/18/2013	12/23/2013	5	14	OK
Trip Blank	Chloroform	12/18/2013	12/23/2013	5	14	OK
Trip Blank	Chloromethane	12/18/2013	12/23/2013	5	14	OK
Trip Blank	Methylene chloride	12/18/2013	12/23/2013	5	14	OK
Trip Blank	Naphthalene	12/18/2013	12/23/2013	5	14	OK
Trip Blank	Tetrahydrofuran	12/18/2013	12/23/2013	5	14	OK
Trip Blank	Toluene	12/18/2013	12/23/2013	5	14	OK
Trip Blank	Xylenes, Total	12/18/2013	12/23/2013	5	14	OK
MW-01	2-Butanone	12/4/2013	12/9/2013	5	14	OK
MW-01	Acetone	12/4/2013	12/9/2013	5	14	OK
MW-01	Ammonia (as N)	12/4/2013	12/16/2013	12	28	OK
MW-01	Arsenic	12/4/2013	12/15/2013	11	180	OK
MW-01	Benzene	12/4/2013	12/9/2013	5	14	OK
MW-01	Beryllium	12/4/2013	12/15/2013	11	180	OK
MW-01	Bicarbonate (as CaCO3)	12/4/2013	12/12/2013	8	14	OK
MW-01	Cadmium	12/4/2013	12/15/2013	11	180	OK
MW-01	Calcium	12/4/2013	12/16/2013	12	180	OK
MW-01	Carbon tetrachloride	12/4/2013	12/9/2013	5	14	OK

G-2A: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-01	Carbonate (as CaCO3)	12/4/2013	12/12/2013	8	14	OK
MW-01	Chloride	12/4/2013	12/9/2013	5	28	OK
MW-01	Chloroform	12/4/2013	12/9/2013	5	14	OK
MW-01	Chloromethane	12/4/2013	12/9/2013	5	14	OK
MW-01	Chromium	12/4/2013	12/15/2013	11	180	OK
MW-01	Cobalt	12/4/2013	12/15/2013	11	180	OK
MW-01	Copper	12/4/2013	12/15/2013	11	180	OK
MW-01	Fluoride	12/4/2013	12/10/2013	6	27	OK
MW-01	Gross Radium Alpha	12/4/2013	12/21/2013	17	180	OK
MW-01	Iron	12/4/2013	12/15/2013	11	180	OK
MW-01	Lead	12/4/2013	12/15/2013	11	180	OK
MW-01	Magnesium	12/4/2013	12/16/2013	12	180	OK
MW-01	Manganese	12/4/2013	12/15/2013	11	180	OK
MW-01	Mercury	12/4/2013	12/12/2013	8	180	OK
MW-01	Methylene chloride	12/4/2013	12/9/2013	5	14	OK
MW-01	Molybdenum	12/4/2013	12/15/2013	11	180	OK
MW-01	Naphthalene	12/4/2013	12/9/2013	5	14	OK
MW-01	Nickel	12/4/2013	12/15/2013	11	180	OK
MW-01	Nitrate/Nitrite (as N)	12/4/2013	12/10/2013	6	28	OK
MW-01	Potassium	12/4/2013	12/16/2013	12	180	OK
MW-01	Selenium	12/4/2013	12/15/2013	11	180	OK
MW-01	Silver	12/4/2013	12/15/2013	11	180	OK
MW-01	Sodium	12/4/2013	12/16/2013	12	180	OK
MW-01	Sulfate	12/4/2013	12/9/2013	5	28	OK
MW-01	Tetrahydrofuran	12/4/2013	12/9/2013	5	14	OK
MW-01	Thallium	12/4/2013	12/11/2013	7	180	OK
MW-01	Tin	12/4/2013	12/11/2013	7	180	OK
MW-01	Toluene	12/4/2013	12/9/2013	5	14	OK
MW-01	Total Dissolved Solids	12/4/2013	12/10/2013	6	7	OK
MW-01	Uranium	12/4/2013	12/15/2013	11	180	OK
MW-01	Vanadium	12/4/2013	12/16/2013	12	180	OK
MW-01	Xylenes, Total	12/4/2013	12/9/2013	5	14	OK
MW-01	Zinc	12/4/2013	12/15/2013	11	180	OK
MW-02	2-Butanone	12/5/2013	12/9/2013	4	14	OK
MW-02	Acetone	12/5/2013	12/9/2013	4	14	OK
MW-02	Ammonia (as N)	12/5/2013	12/16/2013	11	28	OK
MW-02	Arsenic	12/5/2013	12/15/2013	10	180	OK
MW-02	Benzene	12/5/2013	12/9/2013	4	14	OK
MW-02	Beryllium	12/5/2013	12/15/2013	10	180	OK
MW-02	Bicarbonate (as CaCO3)	12/5/2013	12/12/2013	7	14	OK
MW-02	Cadmium	12/5/2013	12/15/2013	10	180	OK
MW-02	Calcium	12/5/2013	12/16/2013	11	180	OK
MW-02	Carbon tetrachloride	12/5/2013	12/9/2013	4	14	OK
MW-02	Carbonate (as CaCO3)	12/5/2013	12/12/2013	7	14	OK
MW-02	Chloride	12/5/2013	12/10/2013	5	28	OK
MW-02	Chloroform	12/5/2013	12/9/2013	4	14	OK
MW-02	Chloromethane	12/5/2013	12/9/2013	4	14	OK
MW-02	Chromium	12/5/2013	12/15/2013	10	180	OK
MW-02	Cobalt	12/5/2013	12/15/2013	10	180	OK
MW-02	Copper	12/5/2013	12/15/2013	10	180	OK
MW-02	Fluoride	12/5/2013	12/10/2013	5	27	OK
MW-02	Gross Radium Alpha	12/5/2013	12/21/2013	16	180	OK
MW-02	Iron	12/5/2013	12/15/2013	10	180	OK
MW-02	Lead	12/5/2013	12/15/2013	10	180	OK

G-2A: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-02	Magnesium	12/5/2013	12/16/2013	11	180	OK
MW-02	Manganese	12/5/2013	12/15/2013	10	180	OK
MW-02	Mercury	12/5/2013	12/12/2013	7	180	OK
MW-02	Methylene chloride	12/5/2013	12/9/2013	4	14	OK
MW-02	Molybdenum	12/5/2013	12/15/2013	10	180	OK
MW-02	Naphthalene	12/5/2013	12/9/2013	4	14	OK
MW-02	Nickel	12/5/2013	12/15/2013	10	180	OK
MW-02	Nitrate/Nitrite (as N)	12/5/2013	12/10/2013	5	28	OK
MW-02	Potassium	12/5/2013	12/16/2013	11	180	OK
MW-02	Selenium	12/5/2013	12/15/2013	10	180	OK
MW-02	Silver	12/5/2013	12/15/2013	10	180	OK
MW-02	Sodium	12/5/2013	12/16/2013	11	180	OK
MW-02	Sulfate	12/5/2013	12/9/2013	4	28	OK
MW-02	Tetrahydrofuran	12/5/2013	12/9/2013	4	14	OK
MW-02	Thallium	12/5/2013	12/11/2013	6	180	OK
MW-02	Tin	12/5/2013	12/11/2013	6	180	OK
MW-02	Toluene	12/5/2013	12/9/2013	4	14	OK
MW-02	Total Dissolved Solids	12/5/2013	12/10/2013	5	7	OK
MW-02	Uranium	12/5/2013	12/15/2013	10	180	OK
MW-02	Vanadium	12/5/2013	12/16/2013	11	180	OK
MW-02	Xylenes, Total	12/5/2013	12/9/2013	4	14	OK
MW-02	Zinc	12/5/2013	12/15/2013	10	180	OK
MW-03	2-Butanone	12/11/2013	12/13/2013	2	14	OK
MW-03	Acetone	12/11/2013	12/13/2013	2	14	OK
MW-03	Ammonia (as N)	12/11/2013	12/19/2013	8	28	OK
MW-03	Arsenic	12/11/2013	12/18/2013	7	180	OK
MW-03	Benzene	12/11/2013	12/13/2013	2	14	OK
MW-03	Beryllium	12/11/2013	12/18/2013	7	180	OK
MW-03	Bicarbonate (as CaCO3)	12/11/2013	12/16/2013	5	14	OK
MW-03	Cadmium	12/11/2013	12/18/2013	7	180	OK
MW-03	Calcium	12/11/2013	12/19/2013	8	180	OK
MW-03	Carbon tetrachloride	12/11/2013	12/13/2013	2	14	OK
MW-03	Carbonate (as CaCO3)	12/11/2013	12/16/2013	5	14	OK
MW-03	Chloride	12/11/2013	12/14/2013	3	28	OK
MW-03	Chloroform	12/11/2013	12/13/2013	2	14	OK
MW-03	Chloromethane	12/11/2013	12/13/2013	2	14	OK
MW-03	Chromium	12/11/2013	12/18/2013	7	180	OK
MW-03	Cobalt	12/11/2013	12/18/2013	7	180	OK
MW-03	Copper	12/11/2013	12/18/2013	7	180	OK
MW-03	Fluoride	12/11/2013	12/16/2013	5	27	OK
MW-03	Gross Radium Alpha	12/11/2013	12/21/2013	10	180	OK
MW-03	Iron	12/11/2013	12/18/2013	7	180	OK
MW-03	Lead	12/11/2013	12/18/2013	7	180	OK
MW-03	Magnesium	12/11/2013	12/19/2013	8	180	OK
MW-03	Manganese	12/11/2013	12/18/2013	7	180	OK
MW-03	Mercury	12/11/2013	12/18/2013	7	180	OK
MW-03	Methylene chloride	12/11/2013	12/13/2013	2	14	OK
MW-03	Molybdenum	12/11/2013	12/18/2013	7	180	OK
MW-03	Naphthalene	12/11/2013	12/13/2013	2	14	OK
MW-03	Nickel	12/11/2013	12/18/2013	7	180	OK
MW-03	Nitrate/Nitrite (as N)	12/11/2013	12/18/2013	7	28	OK
MW-03	Potassium	12/11/2013	12/20/2013	9	180	OK
MW-03	Selenium	12/11/2013	12/18/2013	7	180	OK
MW-03	Silver	12/11/2013	12/18/2013	7	180	OK

G-2A: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-03	Sodium	12/11/2013	12/20/2013	9	180	OK
MW-03	Sulfate	12/11/2013	12/13/2013	2	28	OK
MW-03	Tetrahydrofuran	12/11/2013	12/13/2013	2	14	OK
MW-03	Thallium	12/11/2013	12/18/2013	7	180	OK
MW-03	Tin	12/11/2013	12/18/2013	7	180	OK
MW-03	Toluene	12/11/2013	12/13/2013	2	14	OK
MW-03	Total Dissolved Solids	12/11/2013	12/13/2013	2	7	OK
MW-03	Uranium	12/11/2013	12/18/2013	7	180	OK
MW-03	Vanadium	12/11/2013	12/19/2013	8	180	OK
MW-03	Xylenes, Total	12/11/2013	12/13/2013	2	14	OK
MW-03	Zinc	12/11/2013	12/18/2013	7	180	OK
MW-03a	2-Butanone	12/11/2013	12/13/2013	2	14	OK
MW-03a	Acetone	12/11/2013	12/13/2013	2	14	OK
MW-03a	Ammonia (as N)	12/11/2013	12/19/2013	8	28	OK
MW-03a	Arsenic	12/11/2013	12/18/2013	7	180	OK
MW-03a	Benzene	12/11/2013	12/13/2013	2	14	OK
MW-03a	Beryllium	12/11/2013	12/18/2013	7	180	OK
MW-03a	Bicarbonate (as CaCO3)	12/11/2013	12/16/2013	5	14	OK
MW-03a	Cadmium	12/11/2013	12/18/2013	7	180	OK
MW-03a	Calcium	12/11/2013	12/19/2013	8	180	OK
MW-03a	Carbon tetrachloride	12/11/2013	12/13/2013	2	14	OK
MW-03a	Carbonate (as CaCO3)	12/11/2013	12/16/2013	5	14	OK
MW-03a	Chloride	12/11/2013	12/14/2013	3	28	OK
MW-03a	Chloroform	12/11/2013	12/13/2013	2	14	OK
MW-03a	Chloromethane	12/11/2013	12/13/2013	2	14	OK
MW-03a	Chromium	12/11/2013	12/18/2013	7	180	OK
MW-03a	Cobalt	12/11/2013	12/18/2013	7	180	OK
MW-03a	Copper	12/11/2013	12/18/2013	7	180	OK
MW-03a	Fluoride	12/11/2013	12/17/2013	6	27	OK
MW-03a	Gross Radium Alpha	12/11/2013	12/21/2013	10	180	OK
MW-03a	Iron	12/11/2013	12/18/2013	7	180	OK
MW-03a	Lead	12/11/2013	12/18/2013	7	180	OK
MW-03a	Magnesium	12/11/2013	12/19/2013	8	180	OK
MW-03a	Manganese	12/11/2013	12/18/2013	7	180	OK
MW-03a	Mercury	12/11/2013	12/18/2013	7	180	OK
MW-03a	Methylene chloride	12/11/2013	12/13/2013	2	14	OK
MW-03a	Molybdenum	12/11/2013	12/18/2013	7	180	OK
MW-03a	Naphthalene	12/11/2013	12/13/2013	2	14	OK
MW-03a	Nickel	12/11/2013	12/18/2013	7	180	OK
MW-03a	Nitrate/Nitrite (as N)	12/11/2013	12/18/2013	7	28	OK
MW-03a	Potassium	12/11/2013	12/20/2013	9	180	OK
MW-03a	Selenium	12/11/2013	12/18/2013	7	180	OK
MW-03a	Silver	12/11/2013	12/18/2013	7	180	OK
MW-03a	Sodium	12/11/2013	12/20/2013	9	180	OK
MW-03a	Sulfate	12/11/2013	12/13/2013	2	28	OK
MW-03a	Tetrahydrofuran	12/11/2013	12/13/2013	2	14	OK
MW-03a	Thallium	12/11/2013	12/18/2013	7	180	OK
MW-03a	Tin	12/11/2013	12/18/2013	7	180	OK
MW-03a	Toluene	12/11/2013	12/13/2013	2	14	OK
MW-03a	Total Dissolved Solids	12/11/2013	12/13/2013	2	7	OK
MW-03a	Uranium	12/11/2013	12/18/2013	7	180	OK
MW-03a	Vanadium	12/11/2013	12/19/2013	8	180	OK
MW-03a	Xylenes, Total	12/11/2013	12/13/2013	2	14	OK
MW-03a	Zinc	12/11/2013	12/18/2013	7	180	OK

G-2A: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-05	2-Butanone	12/4/2013	12/9/2013	5	14	OK
MW-05	Acetone	12/4/2013	12/9/2013	5	14	OK
MW-05	Ammonia (as N)	12/4/2013	12/16/2013	12	28	OK
MW-05	Arsenic	12/4/2013	12/15/2013	11	180	OK
MW-05	Benzene	12/4/2013	12/9/2013	5	14	OK
MW-05	Beryllium	12/4/2013	12/15/2013	11	180	OK
MW-05	Bicarbonate (as CaCO3)	12/4/2013	12/12/2013	8	14	OK
MW-05	Cadmium	12/4/2013	12/15/2013	11	180	OK
MW-05	Calcium	12/4/2013	12/16/2013	12	180	OK
MW-05	Carbon tetrachloride	12/4/2013	12/9/2013	5	14	OK
MW-05	Carbonate (as CaCO3)	12/4/2013	12/12/2013	8	14	OK
MW-05	Chloride	12/4/2013	12/10/2013	6	28	OK
MW-05	Chloroform	12/4/2013	12/9/2013	5	14	OK
MW-05	Chloromethane	12/4/2013	12/9/2013	5	14	OK
MW-05	Chromium	12/4/2013	12/15/2013	11	180	OK
MW-05	Cobalt	12/4/2013	12/15/2013	11	180	OK
MW-05	Copper	12/4/2013	12/15/2013	11	180	OK
MW-05	Fluoride	12/4/2013	12/10/2013	6	27	OK
MW-05	Gross Radium Alpha	12/4/2013	12/21/2013	17	180	OK
MW-05	Iron	12/4/2013	12/15/2013	11	180	OK
MW-05	Lead	12/4/2013	12/15/2013	11	180	OK
MW-05	Magnesium	12/4/2013	12/16/2013	12	180	OK
MW-05	Manganese	12/4/2013	12/15/2013	11	180	OK
MW-05	Mercury	12/4/2013	12/12/2013	8	180	OK
MW-05	Methylene chloride	12/4/2013	12/9/2013	5	14	OK
MW-05	Molybdenum	12/4/2013	12/15/2013	11	180	OK
MW-05	Naphthalene	12/4/2013	12/9/2013	5	14	OK
MW-05	Nickel	12/4/2013	12/15/2013	11	180	OK
MW-05	Nitrate/Nitrite (as N)	12/4/2013	12/10/2013	6	28	OK
MW-05	Potassium	12/4/2013	12/16/2013	12	180	OK
MW-05	Selenium	12/4/2013	12/15/2013	11	180	OK
MW-05	Silver	12/4/2013	12/15/2013	11	180	OK
MW-05	Sodium	12/4/2013	12/16/2013	12	180	OK
MW-05	Sulfate	12/4/2013	12/9/2013	5	28	OK
MW-05	Tetrahydrofuran	12/4/2013	12/9/2013	5	14	OK
MW-05	Thallium	12/4/2013	12/11/2013	7	180	OK
MW-05	Tin	12/4/2013	12/11/2013	7	180	OK
MW-05	Toluene	12/4/2013	12/9/2013	5	14	OK
MW-05	Total Dissolved Solids	12/4/2013	12/10/2013	6	7	OK
MW-05	Uranium	12/4/2013	12/15/2013	11	180	OK
MW-05	Vanadium	12/4/2013	12/16/2013	12	180	OK
MW-05	Xylenes, Total	12/4/2013	12/9/2013	5	14	OK
MW-05	Zinc	12/4/2013	12/15/2013	11	180	OK
MW-11	2-Butanone	11/19/2013	11/22/2013	3	14	OK
MW-11	Acetone	11/19/2013	11/22/2013	3	14	OK
MW-11	Ammonia (as N)	11/19/2013	11/26/2013	7	28	OK
MW-11	Arsenic	11/19/2013	12/3/2013	14	180	OK
MW-11	Benzene	11/19/2013	11/22/2013	3	14	OK
MW-11	Beryllium	11/19/2013	12/3/2013	14	180	OK
MW-11	Bicarbonate (as CaCO3)	11/19/2013	11/26/2013	7	14	OK
MW-11	Cadmium	11/19/2013	12/3/2013	14	180	OK
MW-11	Calcium	11/19/2013	12/2/2013	13	180	OK
MW-11	Carbon tetrachloride	11/19/2013	11/22/2013	3	14	OK
MW-11	Carbonate (as CaCO3)	11/19/2013	11/26/2013	7	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-11	Chloride	11/19/2013	11/27/2013	8	28	OK
MW-11	Chloroform	11/19/2013	11/22/2013	3	14	OK
MW-11	Chloromethane	11/19/2013	11/22/2013	3	14	OK
MW-11	Chromium	11/19/2013	12/3/2013	14	180	OK
MW-11	Cobalt	11/19/2013	12/3/2013	14	180	OK
MW-11	Copper	11/19/2013	12/3/2013	14	180	OK
MW-11	Fluoride	11/19/2013	11/27/2013	8	27	OK
MW-11	Gross Radium Alpha	11/19/2013	12/4/2013	15	180	OK
MW-11	Iron	11/19/2013	12/3/2013	14	180	OK
MW-11	Lead	11/19/2013	12/3/2013	14	180	OK
MW-11	Magnesium	11/19/2013	12/2/2013	13	180	OK
MW-11	Manganese	11/19/2013	12/3/2013	14	180	OK
MW-11	Mercury	11/19/2013	12/2/2013	13	180	OK
MW-11	Methylene chloride	11/19/2013	11/22/2013	3	14	OK
MW-11	Molybdenum	11/19/2013	12/3/2013	14	180	OK
MW-11	Naphthalene	11/19/2013	11/22/2013	3	14	OK
MW-11	Nickel	11/19/2013	12/2/2013	13	180	OK
MW-11	Nitrate/Nitrite (as N)	11/19/2013	12/4/2013	15	28	OK
MW-11	Potassium	11/19/2013	12/2/2013	13	180	OK
MW-11	Selenium	11/19/2013	12/3/2013	14	180	OK
MW-11	Silver	11/19/2013	12/3/2013	14	180	OK
MW-11	Sodium	11/19/2013	12/2/2013	13	180	OK
MW-11	Sulfate	11/19/2013	11/26/2013	7	28	OK
MW-11	Tetrahydrofuran	11/19/2013	11/22/2013	3	14	OK
MW-11	Thallium	11/19/2013	12/2/2013	13	180	OK
MW-11	Tin	11/19/2013	12/3/2013	14	180	OK
MW-11	Toluene	11/19/2013	11/22/2013	3	14	OK
MW-11	Total Dissolved Solids	11/19/2013	11/22/2013	3	7	OK
MW-11	Uranium	11/19/2013	12/3/2013	14	180	OK
MW-11	Vanadium	11/19/2013	12/3/2013	14	180	OK
MW-11	Xylenes, Total	11/19/2013	11/22/2013	3	14	OK
MW-11	Zinc	11/19/2013	12/3/2013	14	180	OK
MW-12	2-Butanone	12/9/2013	12/13/2013	4	14	OK
MW-12	Acetone	12/9/2013	12/13/2013	4	14	OK
MW-12	Ammonia (as N)	12/9/2013	12/19/2013	10	28	OK
MW-12	Arsenic	12/9/2013	12/18/2013	9	180	OK
MW-12	Benzene	12/9/2013	12/13/2013	4	14	OK
MW-12	Beryllium	12/9/2013	12/18/2013	9	180	OK
MW-12	Bicarbonate (as CaCO3)	12/9/2013	12/16/2013	7	14	OK
MW-12	Cadmium	12/9/2013	12/18/2013	9	180	OK
MW-12	Calcium	12/9/2013	12/19/2013	10	180	OK
MW-12	Carbon tetrachloride	12/9/2013	12/13/2013	4	14	OK
MW-12	Carbonate (as CaCO3)	12/9/2013	12/16/2013	7	14	OK
MW-12	Chloride	12/9/2013	12/14/2013	5	28	OK
MW-12	Chloroform	12/9/2013	12/13/2013	4	14	OK
MW-12	Chloromethane	12/9/2013	12/13/2013	4	14	OK
MW-12	Chromium	12/9/2013	12/18/2013	9	180	OK
MW-12	Cobalt	12/9/2013	12/18/2013	9	180	OK
MW-12	Copper	12/9/2013	12/18/2013	9	180	OK
MW-12	Fluoride	12/9/2013	12/17/2013	8	27	OK
MW-12	Gross Radium Alpha	12/9/2013	12/21/2013	12	180	OK
MW-12	Iron	12/9/2013	12/18/2013	9	180	OK
MW-12	Lead	12/9/2013	12/18/2013	9	180	OK
MW-12	Magnesium	12/9/2013	12/19/2013	10	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-12	Manganese	12/9/2013	12/18/2013	9	180	OK
MW-12	Mercury	12/9/2013	12/18/2013	9	180	OK
MW-12	Methylene chloride	12/9/2013	12/13/2013	4	14	OK
MW-12	Molybdenum	12/9/2013	12/18/2013	9	180	OK
MW-12	Naphthalene	12/9/2013	12/13/2013	4	14	OK
MW-12	Nickel	12/9/2013	12/18/2013	9	180	OK
MW-12	Nitrate/Nitrite (as N)	12/9/2013	12/18/2013	9	28	OK
MW-12	Potassium	12/9/2013	12/20/2013	11	180	OK
MW-12	Selenium	12/9/2013	12/18/2013	9	180	OK
MW-12	Silver	12/9/2013	12/18/2013	9	180	OK
MW-12	Sodium	12/9/2013	12/20/2013	11	180	OK
MW-12	Sulfate	12/9/2013	12/13/2013	4	28	OK
MW-12	Tetrahydrofuran	12/9/2013	12/13/2013	4	14	OK
MW-12	Thallium	12/9/2013	12/18/2013	9	180	OK
MW-12	Tin	12/9/2013	12/18/2013	9	180	OK
MW-12	Toluene	12/9/2013	12/13/2013	4	14	OK
MW-12	Total Dissolved Solids	12/9/2013	12/13/2013	4	7	OK
MW-12	Uranium	12/9/2013	12/18/2013	9	180	OK
MW-12	Vanadium	12/9/2013	12/19/2013	10	180	OK
MW-12	Xylenes, Total	12/9/2013	12/13/2013	4	14	OK
MW-12	Zinc	12/9/2013	12/18/2013	9	180	OK
MW-14	2-Butanone	11/20/2013	11/22/2013	2	14	OK
MW-14	Acetone	11/20/2013	11/22/2013	2	14	OK
MW-14	Ammonia (as N)	11/20/2013	11/26/2013	6	28	OK
MW-14	Arsenic	11/20/2013	12/3/2013	13	180	OK
MW-14	Benzene	11/20/2013	11/22/2013	2	14	OK
MW-14	Beryllium	11/20/2013	12/3/2013	13	180	OK
MW-14	Bicarbonate (as CaCO3)	11/20/2013	11/26/2013	6	14	OK
MW-14	Cadmium	11/20/2013	12/3/2013	13	180	OK
MW-14	Calcium	11/20/2013	12/2/2013	12	180	OK
MW-14	Carbon tetrachloride	11/20/2013	11/22/2013	2	14	OK
MW-14	Carbonate (as CaCO3)	11/20/2013	11/26/2013	6	14	OK
MW-14	Chloride	11/20/2013	11/27/2013	7	28	OK
MW-14	Chloroform	11/20/2013	11/22/2013	2	14	OK
MW-14	Chloromethane	11/20/2013	11/22/2013	2	14	OK
MW-14	Chromium	11/20/2013	12/3/2013	13	180	OK
MW-14	Cobalt	11/20/2013	12/3/2013	13	180	OK
MW-14	Copper	11/20/2013	12/3/2013	13	180	OK
MW-14	Fluoride	11/20/2013	11/27/2013	7	27	OK
MW-14	Gross Radium Alpha	11/20/2013	12/4/2013	14	180	OK
MW-14	Iron	11/20/2013	12/3/2013	13	180	OK
MW-14	Lead	11/20/2013	12/3/2013	13	180	OK
MW-14	Magnesium	11/20/2013	12/2/2013	12	180	OK
MW-14	Manganese	11/20/2013	12/3/2013	13	180	OK
MW-14	Mercury	11/20/2013	12/2/2013	12	180	OK
MW-14	Methylene chloride	11/20/2013	11/22/2013	2	14	OK
MW-14	Molybdenum	11/20/2013	12/3/2013	13	180	OK
MW-14	Naphthalene	11/20/2013	11/22/2013	2	14	OK
MW-14	Nickel	11/20/2013	12/3/2013	13	180	OK
MW-14	Nitrate/Nitrite (as N)	11/20/2013	12/4/2013	14	28	OK
MW-14	Potassium	11/20/2013	12/2/2013	12	180	OK
MW-14	Selenium	11/20/2013	12/3/2013	13	180	OK
MW-14	Silver	11/20/2013	12/3/2013	13	180	OK
MW-14	Sodium	11/20/2013	12/2/2013	12	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-14	Sulfate	11/20/2013	11/26/2013	6	28	OK
MW-14	Tetrahydrofuran	11/20/2013	11/22/2013	2	14	OK
MW-14	Thallium	11/20/2013	12/4/2013	14	180	OK
MW-14	Tin	11/20/2013	12/3/2013	13	180	OK
MW-14	Toluene	11/20/2013	11/22/2013	2	14	OK
MW-14	Total Dissolved Solids	11/20/2013	11/22/2013	2	7	OK
MW-14	Uranium	11/20/2013	12/3/2013	13	180	OK
MW-14	Vanadium	11/20/2013	12/2/2013	12	180	OK
MW-14	Xylenes, Total	11/20/2013	11/22/2013	2	14	OK
MW-14	Zinc	11/20/2013	12/3/2013	13	180	OK
MW-15	2-Butanone	11/20/2013	11/22/2013	2	14	OK
MW-15	Acetone	11/20/2013	11/22/2013	2	14	OK
MW-15	Ammonia (as N)	11/20/2013	11/26/2013	6	28	OK
MW-15	Arsenic	11/20/2013	12/3/2013	13	180	OK
MW-15	Benzene	11/20/2013	11/22/2013	2	14	OK
MW-15	Beryllium	11/20/2013	12/3/2013	13	180	OK
MW-15	Bicarbonate (as CaCO3)	11/20/2013	11/26/2013	6	14	OK
MW-15	Cadmium	11/20/2013	12/3/2013	13	180	OK
MW-15	Calcium	11/20/2013	12/2/2013	12	180	OK
MW-15	Carbon tetrachloride	11/20/2013	11/22/2013	2	14	OK
MW-15	Carbonate (as CaCO3)	11/20/2013	11/26/2013	6	14	OK
MW-15	Chloride	11/20/2013	11/27/2013	7	28	OK
MW-15	Chloroform	11/20/2013	11/22/2013	2	14	OK
MW-15	Chloromethane	11/20/2013	11/22/2013	2	14	OK
MW-15	Chromium	11/20/2013	12/3/2013	13	180	OK
MW-15	Cobalt	11/20/2013	12/3/2013	13	180	OK
MW-15	Copper	11/20/2013	12/3/2013	13	180	OK
MW-15	Fluoride	11/20/2013	11/27/2013	7	27	OK
MW-15	Gross Radium Alpha	11/20/2013	12/4/2013	14	180	OK
MW-15	Iron	11/20/2013	12/3/2013	13	180	OK
MW-15	Lead	11/20/2013	12/3/2013	13	180	OK
MW-15	Magnesium	11/20/2013	12/2/2013	12	180	OK
MW-15	Manganese	11/20/2013	12/3/2013	13	180	OK
MW-15	Mercury	11/20/2013	12/2/2013	12	180	OK
MW-15	Methylene chloride	11/20/2013	11/22/2013	2	14	OK
MW-15	Molybdenum	11/20/2013	12/3/2013	13	180	OK
MW-15	Naphthalene	11/20/2013	11/22/2013	2	14	OK
MW-15	Nickel	11/20/2013	12/3/2013	13	180	OK
MW-15	Nitrate/Nitrite (as N)	11/20/2013	12/4/2013	14	28	OK
MW-15	Potassium	11/20/2013	12/2/2013	12	180	OK
MW-15	Selenium	11/20/2013	12/3/2013	13	180	OK
MW-15	Silver	11/20/2013	12/3/2013	13	180	OK
MW-15	Sodium	11/20/2013	12/2/2013	12	180	OK
MW-15	Sulfate	11/20/2013	11/26/2013	6	28	OK
MW-15	Tetrahydrofuran	11/20/2013	11/22/2013	2	14	OK
MW-15	Thallium	11/20/2013	12/2/2013	12	180	OK
MW-15	Tin	11/20/2013	12/3/2013	13	180	OK
MW-15	Toluene	11/20/2013	11/22/2013	2	14	OK
MW-15	Total Dissolved Solids	11/20/2013	11/22/2013	2	7	OK
MW-15	Uranium	11/20/2013	12/3/2013	13	180	OK
MW-15	Vanadium	11/20/2013	12/2/2013	12	180	OK
MW-15	Xylenes, Total	11/20/2013	11/22/2013	2	14	OK
MW-15	Zinc	11/20/2013	12/3/2013	13	180	OK
MW-17	2-Butanone	12/9/2013	12/13/2013	4	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-17	Acetone	12/9/2013	12/13/2013	4	14	OK
MW-17	Ammonia (as N)	12/9/2013	12/19/2013	10	28	OK
MW-17	Arsenic	12/9/2013	12/18/2013	9	180	OK
MW-17	Benzene	12/9/2013	12/13/2013	4	14	OK
MW-17	Beryllium	12/9/2013	12/18/2013	9	180	OK
MW-17	Bicarbonate (as CaCO3)	12/9/2013	12/16/2013	7	14	OK
MW-17	Cadmium	12/9/2013	12/18/2013	9	180	OK
MW-17	Calcium	12/9/2013	12/19/2013	10	180	OK
MW-17	Carbon tetrachloride	12/9/2013	12/13/2013	4	14	OK
MW-17	Carbonate (as CaCO3)	12/9/2013	12/16/2013	7	14	OK
MW-17	Chloride	12/9/2013	12/14/2013	5	28	OK
MW-17	Chloroform	12/9/2013	12/13/2013	4	14	OK
MW-17	Chloromethane	12/9/2013	12/13/2013	4	14	OK
MW-17	Chromium	12/9/2013	12/18/2013	9	180	OK
MW-17	Cobalt	12/9/2013	12/18/2013	9	180	OK
MW-17	Copper	12/9/2013	12/18/2013	9	180	OK
MW-17	Fluoride	12/9/2013	12/17/2013	8	27	OK
MW-17	Gross Radium Alpha	12/9/2013	12/21/2013	12	180	OK
MW-17	Iron	12/9/2013	12/18/2013	9	180	OK
MW-17	Lead	12/9/2013	12/18/2013	9	180	OK
MW-17	Magnesium	12/9/2013	12/19/2013	10	180	OK
MW-17	Manganese	12/9/2013	12/18/2013	9	180	OK
MW-17	Mercury	12/9/2013	12/18/2013	9	180	OK
MW-17	Methylene chloride	12/9/2013	12/13/2013	4	14	OK
MW-17	Molybdenum	12/9/2013	12/18/2013	9	180	OK
MW-17	Naphthalene	12/9/2013	12/13/2013	4	14	OK
MW-17	Nickel	12/9/2013	12/18/2013	9	180	OK
MW-17	Nitrate/Nitrite (as N)	12/9/2013	12/18/2013	9	28	OK
MW-17	Potassium	12/9/2013	12/20/2013	11	180	OK
MW-17	Selenium	12/9/2013	12/18/2013	9	180	OK
MW-17	Silver	12/9/2013	12/18/2013	9	180	OK
MW-17	Sodium	12/9/2013	12/20/2013	11	180	OK
MW-17	Sulfate	12/9/2013	12/13/2013	4	28	OK
MW-17	Tetrahydrofuran	12/9/2013	12/13/2013	4	14	OK
MW-17	Thallium	12/9/2013	12/18/2013	9	180	OK
MW-17	Tin	12/9/2013	12/18/2013	9	180	OK
MW-17	Toluene	12/9/2013	12/13/2013	4	14	OK
MW-17	Total Dissolved Solids	12/9/2013	12/13/2013	4	7	OK
MW-17	Uranium	12/9/2013	12/18/2013	9	180	OK
MW-17	Vanadium	12/9/2013	12/19/2013	10	180	OK
MW-17	Xylenes, Total	12/9/2013	12/13/2013	4	14	OK
MW-17	Zinc	12/9/2013	12/18/2013	9	180	OK
MW-18	2-Butanone	12/3/2013	12/9/2013	6	14	OK
MW-18	Acetone	12/3/2013	12/9/2013	6	14	OK
MW-18	Ammonia (as N)	12/3/2013	12/16/2013	13	28	OK
MW-18	Arsenic	12/3/2013	12/15/2013	12	180	OK
MW-18	Benzene	12/3/2013	12/9/2013	6	14	OK
MW-18	Beryllium	12/3/2013	12/15/2013	12	180	OK
MW-18	Bicarbonate (as CaCO3)	12/3/2013	12/12/2013	9	14	OK
MW-18	Cadmium	12/3/2013	12/15/2013	12	180	OK
MW-18	Calcium	12/3/2013	12/16/2013	13	180	OK
MW-18	Carbon tetrachloride	12/3/2013	12/9/2013	6	14	OK
MW-18	Carbonate (as CaCO3)	12/3/2013	12/12/2013	9	14	OK
MW-18	Chloride	12/3/2013	12/10/2013	7	28	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-18	Chloroform	12/3/2013	12/9/2013	6	14	OK
MW-18	Chloromethane	12/3/2013	12/9/2013	6	14	OK
MW-18	Chromium	12/3/2013	12/15/2013	12	180	OK
MW-18	Cobalt	12/3/2013	12/15/2013	12	180	OK
MW-18	Copper	12/3/2013	12/15/2013	12	180	OK
MW-18	Fluoride	12/3/2013	12/10/2013	7	27	OK
MW-18	Gross Radium Alpha	12/3/2013	12/21/2013	18	180	OK
MW-18	Iron	12/3/2013	12/15/2013	12	180	OK
MW-18	Lead	12/3/2013	12/15/2013	12	180	OK
MW-18	Magnesium	12/3/2013	12/16/2013	13	180	OK
MW-18	Manganese	12/3/2013	12/15/2013	12	180	OK
MW-18	Mercury	12/3/2013	12/12/2013	9	180	OK
MW-18	Methylene chloride	12/3/2013	12/9/2013	6	14	OK
MW-18	Molybdenum	12/3/2013	12/15/2013	12	180	OK
MW-18	Naphthalene	12/3/2013	12/9/2013	6	14	OK
MW-18	Nickel	12/3/2013	12/15/2013	12	180	OK
MW-18	Nitrate/Nitrite (as N)	12/3/2013	12/10/2013	7	28	OK
MW-18	Potassium	12/3/2013	12/16/2013	13	180	OK
MW-18	Selenium	12/3/2013	12/15/2013	12	180	OK
MW-18	Silver	12/3/2013	12/15/2013	12	180	OK
MW-18	Sodium	12/3/2013	12/16/2013	13	180	OK
MW-18	Sulfate	12/3/2013	12/9/2013	6	28	OK
MW-18	Tetrahydrofuran	12/3/2013	12/9/2013	6	14	OK
MW-18	Thallium	12/3/2013	12/11/2013	8	180	OK
MW-18	Tin	12/3/2013	12/11/2013	8	180	OK
MW-18	Toluene	12/3/2013	12/9/2013	6	14	OK
MW-18	Total Dissolved Solids	12/3/2013	12/10/2013	7	7	OK
MW-18	Uranium	12/3/2013	12/15/2013	12	180	OK
MW-18	Vanadium	12/3/2013	12/16/2013	13	180	OK
MW-18	Xylenes, Total	12/3/2013	12/9/2013	6	14	OK
MW-18	Zinc	12/3/2013	12/15/2013	12	180	OK
MW-19	2-Butanone	12/3/2013	12/9/2013	6	14	OK
MW-19	Acetone	12/3/2013	12/9/2013	6	14	OK
MW-19	Ammonia (as N)	12/3/2013	12/16/2013	13	28	OK
MW-19	Arsenic	12/3/2013	12/15/2013	12	180	OK
MW-19	Benzene	12/3/2013	12/9/2013	6	14	OK
MW-19	Beryllium	12/3/2013	12/15/2013	12	180	OK
MW-19	Bicarbonate (as CaCO3)	12/3/2013	12/12/2013	9	14	OK
MW-19	Cadmium	12/3/2013	12/15/2013	12	180	OK
MW-19	Calcium	12/3/2013	12/16/2013	13	180	OK
MW-19	Carbon tetrachloride	12/3/2013	12/9/2013	6	14	OK
MW-19	Carbonate (as CaCO3)	12/3/2013	12/12/2013	9	14	OK
MW-19	Chloride	12/3/2013	12/10/2013	7	28	OK
MW-19	Chloroform	12/3/2013	12/9/2013	6	14	OK
MW-19	Chloromethane	12/3/2013	12/9/2013	6	14	OK
MW-19	Chromium	12/3/2013	12/15/2013	12	180	OK
MW-19	Cobalt	12/3/2013	12/15/2013	12	180	OK
MW-19	Copper	12/3/2013	12/15/2013	12	180	OK
MW-19	Fluoride	12/3/2013	12/10/2013	7	27	OK
MW-19	Gross Radium Alpha	12/3/2013	12/21/2013	18	180	OK
MW-19	Iron	12/3/2013	12/15/2013	12	180	OK
MW-19	Lead	12/3/2013	12/15/2013	12	180	OK
MW-19	Magnesium	12/3/2013	12/16/2013	13	180	OK
MW-19	Manganese	12/3/2013	12/15/2013	12	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-19	Mercury	12/3/2013	12/12/2013	9	180	OK
MW-19	Methylene chloride	12/3/2013	12/9/2013	6	14	OK
MW-19	Molybdenum	12/3/2013	12/15/2013	12	180	OK
MW-19	Naphthalene	12/3/2013	12/9/2013	6	14	OK
MW-19	Nickel	12/3/2013	12/15/2013	12	180	OK
MW-19	Nitrate/Nitrite (as N)	12/3/2013	12/10/2013	7	28	OK
MW-19	Potassium	12/3/2013	12/16/2013	13	180	OK
MW-19	Selenium	12/3/2013	12/15/2013	12	180	OK
MW-19	Silver	12/3/2013	12/15/2013	12	180	OK
MW-19	Sodium	12/3/2013	12/16/2013	13	180	OK
MW-19	Sulfate	12/3/2013	12/9/2013	6	28	OK
MW-19	Tetrahydrofuran	12/3/2013	12/9/2013	6	14	OK
MW-19	Thallium	12/3/2013	12/11/2013	8	180	OK
MW-19	Tin	12/3/2013	12/11/2013	8	180	OK
MW-19	Toluene	12/3/2013	12/9/2013	6	14	OK
MW-19	Total Dissolved Solids	12/3/2013	12/10/2013	7	7	OK
MW-19	Uranium	12/3/2013	12/15/2013	12	180	OK
MW-19	Vanadium	12/3/2013	12/16/2013	13	180	OK
MW-19	Xylenes, Total	12/3/2013	12/9/2013	6	14	OK
MW-19	Zinc	12/3/2013	12/15/2013	12	180	OK
MW-20	2-Butanone	12/18/2013	12/23/2013	5	14	OK
MW-20	Acetone	12/18/2013	12/23/2013	5	14	OK
MW-20	Ammonia (as N)	12/18/2013	12/27/2013	9	28	OK
MW-20	Arsenic	12/18/2013	12/31/2013	13	180	OK
MW-20	Benzene	12/18/2013	12/23/2013	5	14	OK
MW-20	Beryllium	12/18/2013	12/31/2013	13	180	OK
MW-20	Bicarbonate (as CaCO3)	12/18/2013	12/24/2013	6	14	OK
MW-20	Cadmium	12/18/2013	12/31/2013	13	180	OK
MW-20	Calcium	12/18/2013	12/31/2013	13	180	OK
MW-20	Carbon tetrachloride	12/18/2013	12/23/2013	5	14	OK
MW-20	Carbonate (as CaCO3)	12/18/2013	12/24/2013	6	14	OK
MW-20	Chloride	12/18/2013	12/28/2013	10	28	OK
MW-20	Chloroform	12/18/2013	12/23/2013	5	14	OK
MW-20	Chloromethane	12/18/2013	12/23/2013	5	14	OK
MW-20	Chromium	12/18/2013	12/31/2013	13	180	OK
MW-20	Cobalt	12/18/2013	12/31/2013	13	180	OK
MW-20	Copper	12/18/2013	12/31/2013	13	180	OK
MW-20	Fluoride	12/18/2013	12/28/2013	10	27	OK
MW-20	Gross Radium Alpha	12/18/2013	1/14/2014	27	180	OK
MW-20	Iron	12/18/2013	1/6/2014	19	180	OK
MW-20	Lead	12/18/2013	12/31/2013	13	180	OK
MW-20	Magnesium	12/18/2013	1/3/2014	16	180	OK
MW-20	Manganese	12/18/2013	1/3/2014	16	180	OK
MW-20	Mercury	12/18/2013	12/24/2013	6	180	OK
MW-20	Methylene chloride	12/18/2013	12/23/2013	5	14	OK
MW-20	Molybdenum	12/18/2013	12/31/2013	13	180	OK
MW-20	Naphthalene	12/18/2013	12/23/2013	5	14	OK
MW-20	Nickel	12/18/2013	12/31/2013	13	180	OK
MW-20	Nitrate/Nitrite (as N)	12/18/2013	12/27/2013	9	28	OK
MW-20	Potassium	12/18/2013	1/3/2014	16	180	OK
MW-20	Selenium	12/18/2013	12/31/2013	13	180	OK
MW-20	Silver	12/18/2013	12/31/2013	13	180	OK
MW-20	Sodium	12/18/2013	12/31/2013	13	180	OK
MW-20	Sulfate	12/18/2013	12/27/2013	9	28	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-20	Tetrahydrofuran	12/18/2013	12/23/2013	5	14	OK
MW-20	Thallium	12/18/2013	12/30/2013	12	180	OK
MW-20	Tin	12/18/2013	12/30/2013	12	180	OK
MW-20	Toluene	12/18/2013	12/23/2013	5	14	OK
MW-20	Total Dissolved Solids	12/18/2013	12/23/2013	5	7	OK
MW-20	Uranium	12/18/2013	12/31/2013	13	180	OK
MW-20	Vanadium	12/18/2013	1/3/2014	16	180	OK
MW-20	Xylenes, Total	12/18/2013	12/23/2013	5	14	OK
MW-20	Zinc	12/18/2013	12/31/2013	13	180	OK
MW-22	2-Butanone	12/10/2013	12/13/2013	3	14	OK
MW-22	Acetone	12/10/2013	12/13/2013	3	14	OK
MW-22	Ammonia (as N)	12/10/2013	12/19/2013	9	28	OK
MW-22	Arsenic	12/10/2013	12/18/2013	8	180	OK
MW-22	Benzene	12/10/2013	12/13/2013	3	14	OK
MW-22	Beryllium	12/10/2013	12/18/2013	8	180	OK
MW-22	Bicarbonate (as CaCO3)	12/10/2013	12/16/2013	6	14	OK
MW-22	Cadmium	12/10/2013	12/18/2013	8	180	OK
MW-22	Calcium	12/10/2013	12/19/2013	9	180	OK
MW-22	Carbon tetrachloride	12/10/2013	12/13/2013	3	14	OK
MW-22	Carbonate (as CaCO3)	12/10/2013	12/16/2013	6	14	OK
MW-22	Chloride	12/10/2013	12/14/2013	4	28	OK
MW-22	Chloroform	12/10/2013	12/13/2013	3	14	OK
MW-22	Chloromethane	12/10/2013	12/13/2013	3	14	OK
MW-22	Chromium	12/10/2013	12/18/2013	8	180	OK
MW-22	Cobalt	12/10/2013	12/18/2013	8	180	OK
MW-22	Copper	12/10/2013	12/18/2013	8	180	OK
MW-22	Fluoride	12/10/2013	12/17/2013	7	27	OK
MW-22	Gross Radium Alpha	12/10/2013	12/21/2013	11	180	OK
MW-22	Iron	12/10/2013	12/18/2013	8	180	OK
MW-22	Lead	12/10/2013	12/18/2013	8	180	OK
MW-22	Magnesium	12/10/2013	12/19/2013	9	180	OK
MW-22	Manganese	12/10/2013	12/18/2013	8	180	OK
MW-22	Mercury	12/10/2013	12/18/2013	8	180	OK
MW-22	Methylene chloride	12/10/2013	12/13/2013	3	14	OK
MW-22	Molybdenum	12/10/2013	12/18/2013	8	180	OK
MW-22	Naphthalene	12/10/2013	12/13/2013	3	14	OK
MW-22	Nickel	12/10/2013	12/18/2013	8	180	OK
MW-22	Nitrate/Nitrite (as N)	12/10/2013	12/18/2013	8	28	OK
MW-22	Potassium	12/10/2013	12/20/2013	10	180	OK
MW-22	Selenium	12/10/2013	12/18/2013	8	180	OK
MW-22	Silver	12/10/2013	12/18/2013	8	180	OK
MW-22	Sodium	12/10/2013	12/20/2013	10	180	OK
MW-22	Sulfate	12/10/2013	12/13/2013	3	28	OK
MW-22	Tetrahydrofuran	12/10/2013	12/13/2013	3	14	OK
MW-22	Thallium	12/10/2013	12/18/2013	8	180	OK
MW-22	Tin	12/10/2013	12/18/2013	8	180	OK
MW-22	Toluene	12/10/2013	12/13/2013	3	14	OK
MW-22	Total Dissolved Solids	12/10/2013	12/13/2013	3	7	OK
MW-22	Uranium	12/10/2013	12/18/2013	8	180	OK
MW-22	Vanadium	12/10/2013	12/19/2013	9	180	OK
MW-22	Xylenes, Total	12/10/2013	12/13/2013	3	14	OK
MW-22	Zinc	12/10/2013	12/18/2013	8	180	OK
MW-23	2-Butanone	12/18/2013	12/23/2013	5	14	OK
MW-23	Acetone	12/18/2013	12/23/2013	5	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-23	Ammonia (as N)	12/18/2013	12/27/2013	9	28	OK
MW-23	Arsenic	12/18/2013	12/31/2013	13	180	OK
MW-23	Benzene	12/18/2013	12/23/2013	5	14	OK
MW-23	Beryllium	12/18/2013	12/31/2013	13	180	OK
MW-23	Bicarbonate (as CaCO3)	12/18/2013	12/24/2013	6	14	OK
MW-23	Cadmium	12/18/2013	12/31/2013	13	180	OK
MW-23	Calcium	12/18/2013	12/31/2013	13	180	OK
MW-23	Carbon tetrachloride	12/18/2013	12/23/2013	5	14	OK
MW-23	Carbonate (as CaCO3)	12/18/2013	12/24/2013	6	14	OK
MW-23	Chloride	12/18/2013	12/28/2013	10	28	OK
MW-23	Chloroform	12/18/2013	12/23/2013	5	14	OK
MW-23	Chloromethane	12/18/2013	12/23/2013	5	14	OK
MW-23	Chromium	12/18/2013	12/31/2013	13	180	OK
MW-23	Cobalt	12/18/2013	12/31/2013	13	180	OK
MW-23	Copper	12/18/2013	12/31/2013	13	180	OK
MW-23	Fluoride	12/18/2013	12/28/2013	10	27	OK
MW-23	Gross Radium Alpha	12/18/2013	1/14/2014	27	180	OK
MW-23	Iron	12/18/2013	1/6/2014	19	180	OK
MW-23	Lead	12/18/2013	12/31/2013	13	180	OK
MW-23	Magnesium	12/18/2013	12/31/2013	13	180	OK
MW-23	Manganese	12/18/2013	1/3/2014	16	180	OK
MW-23	Mercury	12/18/2013	12/24/2013	6	180	OK
MW-23	Methylene chloride	12/18/2013	12/23/2013	5	14	OK
MW-23	Molybdenum	12/18/2013	12/31/2013	13	180	OK
MW-23	Naphthalene	12/18/2013	12/23/2013	5	14	OK
MW-23	Nickel	12/18/2013	12/31/2013	13	180	OK
MW-23	Nitrate/Nitrite (as N)	12/18/2013	12/27/2013	9	28	OK
MW-23	Potassium	12/18/2013	1/3/2014	16	180	OK
MW-23	Selenium	12/18/2013	12/31/2013	13	180	OK
MW-23	Silver	12/18/2013	12/31/2013	13	180	OK
MW-23	Sodium	12/18/2013	12/31/2013	13	180	OK
MW-23	Sulfate	12/18/2013	12/28/2013	10	28	OK
MW-23	Tetrahydrofuran	12/18/2013	12/23/2013	5	14	OK
MW-23	Thallium	12/18/2013	12/30/2013	12	180	OK
MW-23	Tin	12/18/2013	12/30/2013	12	180	OK
MW-23	Toluene	12/18/2013	12/23/2013	5	14	OK
MW-23	Total Dissolved Solids	12/18/2013	12/23/2013	5	7	OK
MW-23	Uranium	12/18/2013	12/31/2013	13	180	OK
MW-23	Vanadium	12/18/2013	1/3/2014	16	180	OK
MW-23	Xylenes, Total	12/18/2013	12/23/2013	5	14	OK
MW-23	Zinc	12/18/2013	12/31/2013	13	180	OK
MW-24	2-Butanone	12/12/2013	12/13/2013	1	14	OK
MW-24	Acetone	12/12/2013	12/13/2013	1	14	OK
MW-24	Ammonia (as N)	12/12/2013	12/19/2013	7	28	OK
MW-24	Arsenic	12/12/2013	12/18/2013	6	180	OK
MW-24	Benzene	12/12/2013	12/13/2013	1	14	OK
MW-24	Beryllium	12/12/2013	12/18/2013	6	180	OK
MW-24	Bicarbonate (as CaCO3)	12/12/2013	12/16/2013	4	14	OK
MW-24	Cadmium	12/12/2013	12/18/2013	6	180	OK
MW-24	Calcium	12/12/2013	12/19/2013	7	180	OK
MW-24	Carbon tetrachloride	12/12/2013	12/13/2013	1	14	OK
MW-24	Carbonate (as CaCO3)	12/12/2013	12/16/2013	4	14	OK
MW-24	Chloride	12/12/2013	12/14/2013	2	28	OK
MW-24	Chloroform	12/12/2013	12/13/2013	1	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-24	Chloromethane	12/12/2013	12/13/2013	1	14	OK
MW-24	Chromium	12/12/2013	12/18/2013	6	180	OK
MW-24	Cobalt	12/12/2013	12/18/2013	6	180	OK
MW-24	Copper	12/12/2013	12/18/2013	6	180	OK
MW-24	Fluoride	12/12/2013	12/17/2013	5	27	OK
MW-24	Gross Radium Alpha	12/12/2013	12/21/2013	9	180	OK
MW-24	Iron	12/12/2013	12/18/2013	6	180	OK
MW-24	Lead	12/12/2013	12/18/2013	6	180	OK
MW-24	Magnesium	12/12/2013	12/19/2013	7	180	OK
MW-24	Manganese	12/12/2013	12/18/2013	6	180	OK
MW-24	Mercury	12/12/2013	12/18/2013	6	180	OK
MW-24	Methylene chloride	12/12/2013	12/13/2013	1	14	OK
MW-24	Molybdenum	12/12/2013	12/18/2013	6	180	OK
MW-24	Naphthalene	12/12/2013	12/13/2013	1	14	OK
MW-24	Nickel	12/12/2013	12/18/2013	6	180	OK
MW-24	Nitrate/Nitrite (as N)	12/12/2013	12/18/2013	6	28	OK
MW-24	Potassium	12/12/2013	12/20/2013	8	180	OK
MW-24	Selenium	12/12/2013	12/18/2013	6	180	OK
MW-24	Silver	12/12/2013	12/18/2013	6	180	OK
MW-24	Sodium	12/12/2013	12/20/2013	8	180	OK
MW-24	Sulfate	12/12/2013	12/14/2013	2	28	OK
MW-24	Tetrahydrofuran	12/12/2013	12/13/2013	1	14	OK
MW-24	Thallium	12/12/2013	12/18/2013	6	180	OK
MW-24	Tin	12/12/2013	12/18/2013	6	180	OK
MW-24	Toluene	12/12/2013	12/13/2013	1	14	OK
MW-24	Total Dissolved Solids	12/12/2013	12/13/2013	1	7	OK
MW-24	Uranium	12/12/2013	12/18/2013	6	180	OK
MW-24	Vanadium	12/12/2013	12/19/2013	7	180	OK
MW-24	Xylenes, Total	12/12/2013	12/13/2013	1	14	OK
MW-24	Zinc	12/12/2013	12/18/2013	6	180	OK
MW-25	2-Butanone	11/19/2013	11/22/2013	3	14	OK
MW-25	Acetone	11/19/2013	11/22/2013	3	14	OK
MW-25	Ammonia (as N)	11/19/2013	11/26/2013	7	28	OK
MW-25	Arsenic	11/19/2013	12/3/2013	14	180	OK
MW-25	Benzene	11/19/2013	11/22/2013	3	14	OK
MW-25	Beryllium	11/19/2013	12/3/2013	14	180	OK
MW-25	Bicarbonate (as CaCO3)	11/19/2013	11/26/2013	7	14	OK
MW-25	Cadmium	11/19/2013	12/3/2013	14	180	OK
MW-25	Calcium	11/19/2013	12/2/2013	13	180	OK
MW-25	Carbon tetrachloride	11/19/2013	11/22/2013	3	14	OK
MW-25	Carbonate (as CaCO3)	11/19/2013	11/26/2013	7	14	OK
MW-25	Chloride	11/19/2013	11/27/2013	8	28	OK
MW-25	Chloroform	11/19/2013	11/22/2013	3	14	OK
MW-25	Chloromethane	11/19/2013	11/22/2013	3	14	OK
MW-25	Chromium	11/19/2013	12/3/2013	14	180	OK
MW-25	Cobalt	11/19/2013	12/3/2013	14	180	OK
MW-25	Copper	11/19/2013	12/3/2013	14	180	OK
MW-25	Fluoride	11/19/2013	11/27/2013	8	27	OK
MW-25	Gross Radium Alpha	11/19/2013	12/4/2013	15	180	OK
MW-25	Iron	11/19/2013	12/3/2013	14	180	OK
MW-25	Lead	11/19/2013	12/3/2013	14	180	OK
MW-25	Magnesium	11/19/2013	12/2/2013	13	180	OK
MW-25	Manganese	11/19/2013	12/3/2013	14	180	OK
MW-25	Mercury	11/19/2013	12/2/2013	13	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-25	Methylene chloride	11/19/2013	11/22/2013	3	14	OK
MW-25	Molybdenum	11/19/2013	12/3/2013	14	180	OK
MW-25	Naphthalene	11/19/2013	11/22/2013	3	14	OK
MW-25	Nickel	11/19/2013	12/3/2013	14	180	OK
MW-25	Nitrate/Nitrite (as N)	11/19/2013	12/4/2013	15	28	OK
MW-25	Potassium	11/19/2013	12/2/2013	13	180	OK
MW-25	Selenium	11/19/2013	12/3/2013	14	180	OK
MW-25	Silver	11/19/2013	12/3/2013	14	180	OK
MW-25	Sodium	11/19/2013	12/2/2013	13	180	OK
MW-25	Sulfate	11/19/2013	11/26/2013	7	28	OK
MW-25	Tetrahydrofuran	11/19/2013	11/22/2013	3	14	OK
MW-25	Thallium	11/19/2013	12/2/2013	13	180	OK
MW-25	Tin	11/19/2013	12/3/2013	14	180	OK
MW-25	Toluene	11/19/2013	11/22/2013	3	14	OK
MW-25	Total Dissolved Solids	11/19/2013	11/22/2013	3	7	OK
MW-25	Uranium	11/19/2013	12/3/2013	14	180	OK
MW-25	Vanadium	11/19/2013	12/2/2013	13	180	OK
MW-25	Xylenes, Total	11/19/2013	11/22/2013	3	14	OK
MW-25	Zinc	11/19/2013	12/3/2013	14	180	OK
MW-26	2-Butanone	11/20/2013	11/22/2013	2	14	OK
MW-26	Acetone	11/20/2013	11/22/2013	2	14	OK
MW-26	Ammonia (as N)	11/20/2013	11/26/2013	6	28	OK
MW-26	Arsenic	11/20/2013	12/3/2013	13	180	OK
MW-26	Benzene	11/20/2013	11/22/2013	2	14	OK
MW-26	Beryllium	11/20/2013	12/3/2013	13	180	OK
MW-26	Bicarbonate (as CaCO3)	11/20/2013	11/26/2013	6	14	OK
MW-26	Cadmium	11/20/2013	12/3/2013	13	180	OK
MW-26	Calcium	11/20/2013	12/2/2013	12	180	OK
MW-26	Carbon tetrachloride	11/20/2013	11/22/2013	2	14	OK
MW-26	Carbonate (as CaCO3)	11/20/2013	11/26/2013	6	14	OK
MW-26	Chloride	11/20/2013	11/27/2013	7	28	OK
MW-26	Chloroform	11/20/2013	11/22/2013	2	14	OK
MW-26	Chloromethane	11/20/2013	11/22/2013	2	14	OK
MW-26	Chromium	11/20/2013	12/3/2013	13	180	OK
MW-26	Cobalt	11/20/2013	12/3/2013	13	180	OK
MW-26	Copper	11/20/2013	12/3/2013	13	180	OK
MW-26	Fluoride	11/20/2013	11/27/2013	7	27	OK
MW-26	Gross Radium Alpha	11/20/2013	12/4/2013	14	180	OK
MW-26	Iron	11/20/2013	12/3/2013	13	180	OK
MW-26	Lead	11/20/2013	12/3/2013	13	180	OK
MW-26	Magnesium	11/20/2013	12/2/2013	12	180	OK
MW-26	Manganese	11/20/2013	12/3/2013	13	180	OK
MW-26	Mercury	11/20/2013	12/2/2013	12	180	OK
MW-26	Methylene chloride	11/20/2013	11/22/2013	2	14	OK
MW-26	Molybdenum	11/20/2013	12/3/2013	13	180	OK
MW-26	Naphthalene	11/20/2013	11/22/2013	2	14	OK
MW-26	Nickel	11/20/2013	12/3/2013	13	180	OK
MW-26	Nitrate/Nitrite (as N)	11/20/2013	12/4/2013	14	28	OK
MW-26	Potassium	11/20/2013	12/2/2013	12	180	OK
MW-26	Selenium	11/20/2013	12/3/2013	13	180	OK
MW-26	Silver	11/20/2013	12/3/2013	13	180	OK
MW-26	Sodium	11/20/2013	12/2/2013	12	180	OK
MW-26	Sulfate	11/20/2013	11/26/2013	6	28	OK
MW-26	Tetrahydrofuran	11/20/2013	11/22/2013	2	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-26	Thallium	11/20/2013	12/2/2013	12	180	OK
MW-26	Tin	11/20/2013	12/3/2013	13	180	OK
MW-26	Toluene	11/20/2013	11/22/2013	2	14	OK
MW-26	Total Dissolved Solids	11/20/2013	11/22/2013	2	7	OK
MW-26	Uranium	11/20/2013	12/3/2013	13	180	OK
MW-26	Vanadium	11/20/2013	12/2/2013	12	180	OK
MW-26	Xylenes, Total	11/20/2013	11/22/2013	2	14	OK
MW-26	Zinc	11/20/2013	12/3/2013	13	180	OK
MW-27	2-Butanone	12/4/2013	12/9/2013	5	14	OK
MW-27	Acetone	12/4/2013	12/9/2013	5	14	OK
MW-27	Ammonia (as N)	12/4/2013	12/16/2013	12	28	OK
MW-27	Arsenic	12/4/2013	12/15/2013	11	180	OK
MW-27	Benzene	12/4/2013	12/9/2013	5	14	OK
MW-27	Beryllium	12/4/2013	12/15/2013	11	180	OK
MW-27	Bicarbonate (as CaCO3)	12/4/2013	12/12/2013	8	14	OK
MW-27	Cadmium	12/4/2013	12/15/2013	11	180	OK
MW-27	Calcium	12/4/2013	12/16/2013	12	180	OK
MW-27	Carbon tetrachloride	12/4/2013	12/9/2013	5	14	OK
MW-27	Carbonate (as CaCO3)	12/4/2013	12/12/2013	8	14	OK
MW-27	Chloride	12/4/2013	12/10/2013	6	28	OK
MW-27	Chloroform	12/4/2013	12/9/2013	5	14	OK
MW-27	Chloromethane	12/4/2013	12/9/2013	5	14	OK
MW-27	Chromium	12/4/2013	12/15/2013	11	180	OK
MW-27	Cobalt	12/4/2013	12/15/2013	11	180	OK
MW-27	Copper	12/4/2013	12/15/2013	11	180	OK
MW-27	Fluoride	12/4/2013	12/10/2013	6	27	OK
MW-27	Gross Radium Alpha	12/4/2013	12/21/2013	17	180	OK
MW-27	Iron	12/4/2013	12/15/2013	11	180	OK
MW-27	Lead	12/4/2013	12/15/2013	11	180	OK
MW-27	Magnesium	12/4/2013	12/16/2013	12	180	OK
MW-27	Manganese	12/4/2013	12/15/2013	11	180	OK
MW-27	Mercury	12/4/2013	12/12/2013	8	180	OK
MW-27	Methylene chloride	12/4/2013	12/9/2013	5	14	OK
MW-27	Molybdenum	12/4/2013	12/15/2013	11	180	OK
MW-27	Naphthalene	12/4/2013	12/9/2013	5	14	OK
MW-27	Nickel	12/4/2013	12/15/2013	11	180	OK
MW-27	Nitrate/Nitrite (as N)	12/4/2013	12/10/2013	6	28	OK
MW-27	Potassium	12/4/2013	12/16/2013	12	180	OK
MW-27	Selenium	12/4/2013	12/15/2013	11	180	OK
MW-27	Silver	12/4/2013	12/15/2013	11	180	OK
MW-27	Sodium	12/4/2013	12/16/2013	12	180	OK
MW-27	Sulfate	12/4/2013	12/9/2013	5	28	OK
MW-27	Tetrahydrofuran	12/4/2013	12/9/2013	5	14	OK
MW-27	Thallium	12/4/2013	12/11/2013	7	180	OK
MW-27	Tin	12/4/2013	12/11/2013	7	180	OK
MW-27	Toluene	12/4/2013	12/9/2013	5	14	OK
MW-27	Total Dissolved Solids	12/4/2013	12/10/2013	6	7	OK
MW-27	Uranium	12/4/2013	12/15/2013	11	180	OK
MW-27	Vanadium	12/4/2013	12/16/2013	12	180	OK
MW-27	Xylenes, Total	12/4/2013	12/9/2013	5	14	OK
MW-27	Zinc	12/4/2013	12/15/2013	11	180	OK
MW-28	2-Butanone	12/4/2013	12/9/2013	5	14	OK
MW-28	Acetone	12/4/2013	12/9/2013	5	14	OK
MW-28	Ammonia (as N)	12/4/2013	12/16/2013	12	28	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-28	Arsenic	12/4/2013	12/15/2013	11	180	OK
MW-28	Benzene	12/4/2013	12/9/2013	5	14	OK
MW-28	Beryllium	12/4/2013	12/15/2013	11	180	OK
MW-28	Bicarbonate (as CaCO3)	12/4/2013	12/12/2013	8	14	OK
MW-28	Cadmium	12/4/2013	12/15/2013	11	180	OK
MW-28	Calcium	12/4/2013	12/16/2013	12	180	OK
MW-28	Carbon tetrachloride	12/4/2013	12/9/2013	5	14	OK
MW-28	Carbonate (as CaCO3)	12/4/2013	12/12/2013	8	14	OK
MW-28	Chloride	12/4/2013	12/10/2013	6	28	OK
MW-28	Chloroform	12/4/2013	12/9/2013	5	14	OK
MW-28	Chloromethane	12/4/2013	12/9/2013	5	14	OK
MW-28	Chromium	12/4/2013	12/15/2013	11	180	OK
MW-28	Cobalt	12/4/2013	12/15/2013	11	180	OK
MW-28	Copper	12/4/2013	12/15/2013	11	180	OK
MW-28	Fluoride	12/4/2013	12/10/2013	6	27	OK
MW-28	Gross Radium Alpha	12/4/2013	12/21/2013	17	180	OK
MW-28	Iron	12/4/2013	12/15/2013	11	180	OK
MW-28	Lead	12/4/2013	12/15/2013	11	180	OK
MW-28	Magnesium	12/4/2013	12/16/2013	12	180	OK
MW-28	Manganese	12/4/2013	12/15/2013	11	180	OK
MW-28	Mercury	12/4/2013	12/12/2013	8	180	OK
MW-28	Methylene chloride	12/4/2013	12/9/2013	5	14	OK
MW-28	Molybdenum	12/4/2013	12/15/2013	11	180	OK
MW-28	Naphthalene	12/4/2013	12/9/2013	5	14	OK
MW-28	Nickel	12/4/2013	12/15/2013	11	180	OK
MW-28	Nitrate/Nitrite (as N)	12/4/2013	12/10/2013	6	28	OK
MW-28	Potassium	12/4/2013	12/16/2013	12	180	OK
MW-28	Selenium	12/4/2013	12/15/2013	11	180	OK
MW-28	Silver	12/4/2013	12/15/2013	11	180	OK
MW-28	Sodium	12/4/2013	12/16/2013	12	180	OK
MW-28	Sulfate	12/4/2013	12/9/2013	5	28	OK
MW-28	Tetrahydrofuran	12/4/2013	12/9/2013	5	14	OK
MW-28	Thallium	12/4/2013	12/11/2013	7	180	OK
MW-28	Tin	12/4/2013	12/11/2013	7	180	OK
MW-28	Toluene	12/4/2013	12/9/2013	5	14	OK
MW-28	Total Dissolved Solids	12/4/2013	12/10/2013	6	7	OK
MW-28	Uranium	12/4/2013	12/15/2013	11	180	OK
MW-28	Vanadium	12/4/2013	12/16/2013	12	180	OK
MW-28	Xylenes, Total	12/4/2013	12/9/2013	5	14	OK
MW-28	Zinc	12/4/2013	12/15/2013	11	180	OK
MW-29	2-Butanone	11/20/2013	11/22/2013	2	14	OK
MW-29	Acetone	11/20/2013	11/22/2013	2	14	OK
MW-29	Ammonia (as N)	11/20/2013	11/26/2013	6	28	OK
MW-29	Arsenic	11/20/2013	12/3/2013	13	180	OK
MW-29	Benzene	11/20/2013	11/22/2013	2	14	OK
MW-29	Beryllium	11/20/2013	12/3/2013	13	180	OK
MW-29	Bicarbonate (as CaCO3)	11/20/2013	11/26/2013	6	14	OK
MW-29	Cadmium	11/20/2013	12/3/2013	13	180	OK
MW-29	Calcium	11/20/2013	12/2/2013	12	180	OK
MW-29	Carbon tetrachloride	11/20/2013	11/22/2013	2	14	OK
MW-29	Carbonate (as CaCO3)	11/20/2013	11/26/2013	6	14	OK
MW-29	Chloride	11/20/2013	11/27/2013	7	28	OK
MW-29	Chloroform	11/20/2013	11/22/2013	2	14	OK
MW-29	Chloromethane	11/20/2013	11/22/2013	2	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-29	Chromium	11/20/2013	12/3/2013	13	180	OK
MW-29	Cobalt	11/20/2013	12/3/2013	13	180	OK
MW-29	Copper	11/20/2013	12/3/2013	13	180	OK
MW-29	Fluoride	11/20/2013	11/27/2013	7	27	OK
MW-29	Gross Radium Alpha	11/20/2013	12/4/2013	14	180	OK
MW-29	Iron	11/20/2013	12/3/2013	13	180	OK
MW-29	Lead	11/20/2013	12/3/2013	13	180	OK
MW-29	Magnesium	11/20/2013	12/2/2013	12	180	OK
MW-29	Manganese	11/20/2013	12/3/2013	13	180	OK
MW-29	Mercury	11/20/2013	12/2/2013	12	180	OK
MW-29	Methylene chloride	11/20/2013	11/22/2013	2	14	OK
MW-29	Molybdenum	11/20/2013	12/3/2013	13	180	OK
MW-29	Naphthalene	11/20/2013	11/22/2013	2	14	OK
MW-29	Nickel	11/20/2013	12/3/2013	13	180	OK
MW-29	Nitrate/Nitrite (as N)	11/20/2013	12/4/2013	14	28	OK
MW-29	Potassium	11/20/2013	12/2/2013	12	180	OK
MW-29	Selenium	11/20/2013	12/3/2013	13	180	OK
MW-29	Silver	11/20/2013	12/3/2013	13	180	OK
MW-29	Sodium	11/20/2013	12/2/2013	12	180	OK
MW-29	Sulfate	11/20/2013	11/27/2013	7	28	OK
MW-29	Tetrahydrofuran	11/20/2013	11/22/2013	2	14	OK
MW-29	Thallium	11/20/2013	12/2/2013	12	180	OK
MW-29	Tin	11/20/2013	12/3/2013	13	180	OK
MW-29	Toluene	11/20/2013	11/22/2013	2	14	OK
MW-29	Total Dissolved Solids	11/20/2013	11/22/2013	2	7	OK
MW-29	Uranium	11/20/2013	12/3/2013	13	180	OK
MW-29	Vanadium	11/20/2013	12/2/2013	12	180	OK
MW-29	Xylenes, Total	11/20/2013	11/22/2013	2	14	OK
MW-29	Zinc	11/20/2013	12/3/2013	13	180	OK
MW-30	2-Butanone	11/20/2013	11/22/2013	2	14	OK
MW-30	Acetone	11/20/2013	11/22/2013	2	14	OK
MW-30	Ammonia (as N)	11/20/2013	11/26/2013	6	28	OK
MW-30	Arsenic	11/20/2013	12/3/2013	13	180	OK
MW-30	Benzene	11/20/2013	11/22/2013	2	14	OK
MW-30	Beryllium	11/20/2013	12/3/2013	13	180	OK
MW-30	Bicarbonate (as CaCO3)	11/20/2013	11/26/2013	6	14	OK
MW-30	Cadmium	11/20/2013	12/3/2013	13	180	OK
MW-30	Calcium	11/20/2013	12/2/2013	12	180	OK
MW-30	Carbon tetrachloride	11/20/2013	11/22/2013	2	14	OK
MW-30	Carbonate (as CaCO3)	11/20/2013	11/26/2013	6	14	OK
MW-30	Chloride	11/20/2013	11/26/2013	6	28	OK
MW-30	Chloroform	11/20/2013	11/22/2013	2	14	OK
MW-30	Chloromethane	11/20/2013	11/22/2013	2	14	OK
MW-30	Chromium	11/20/2013	12/3/2013	13	180	OK
MW-30	Cobalt	11/20/2013	12/3/2013	13	180	OK
MW-30	Copper	11/20/2013	12/3/2013	13	180	OK
MW-30	Fluoride	11/20/2013	11/27/2013	7	27	OK
MW-30	Gross Radium Alpha	11/20/2013	12/4/2013	14	180	OK
MW-30	Iron	11/20/2013	12/3/2013	13	180	OK
MW-30	Lead	11/20/2013	12/3/2013	13	180	OK
MW-30	Magnesium	11/20/2013	12/2/2013	12	180	OK
MW-30	Manganese	11/20/2013	12/3/2013	13	180	OK
MW-30	Mercury	11/20/2013	12/2/2013	12	180	OK
MW-30	Methylene chloride	11/20/2013	11/22/2013	2	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-30	Molybdenum	11/20/2013	12/3/2013	13	180	OK
MW-30	Naphthalene	11/20/2013	11/22/2013	2	14	OK
MW-30	Nickel	11/20/2013	12/3/2013	13	180	OK
MW-30	Nitrate/Nitrite (as N)	11/20/2013	12/4/2013	14	28	OK
MW-30	Potassium	11/20/2013	12/2/2013	12	180	OK
MW-30	Selenium	11/20/2013	12/3/2013	13	180	OK
MW-30	Silver	11/20/2013	12/3/2013	13	180	OK
MW-30	Sodium	11/20/2013	12/2/2013	12	180	OK
MW-30	Sulfate	11/20/2013	11/26/2013	6	28	OK
MW-30	Tetrahydrofuran	11/20/2013	11/22/2013	2	14	OK
MW-30	Thallium	11/20/2013	12/2/2013	12	180	OK
MW-30	Tin	11/20/2013	12/3/2013	13	180	OK
MW-30	Toluene	11/20/2013	11/22/2013	2	14	OK
MW-30	Total Dissolved Solids	11/20/2013	11/22/2013	2	7	OK
MW-30	Uranium	11/20/2013	12/3/2013	13	180	OK
MW-30	Vanadium	11/20/2013	12/2/2013	12	180	OK
MW-30	Xylenes, Total	11/20/2013	11/22/2013	2	14	OK
MW-30	Zinc	11/20/2013	12/3/2013	13	180	OK
MW-31	2-Butanone	11/18/2013	11/22/2013	4	14	OK
MW-31	Acetone	11/18/2013	11/22/2013	4	14	OK
MW-31	Ammonia (as N)	11/18/2013	11/26/2013	8	28	OK
MW-31	Arsenic	11/18/2013	12/3/2013	15	180	OK
MW-31	Benzene	11/18/2013	11/22/2013	4	14	OK
MW-31	Beryllium	11/18/2013	12/3/2013	15	180	OK
MW-31	Bicarbonate (as CaCO3)	11/18/2013	11/26/2013	8	14	OK
MW-31	Cadmium	11/18/2013	12/3/2013	15	180	OK
MW-31	Calcium	11/18/2013	12/2/2013	14	180	OK
MW-31	Carbon tetrachloride	11/18/2013	11/22/2013	4	14	OK
MW-31	Carbonate (as CaCO3)	11/18/2013	11/26/2013	8	14	OK
MW-31	Chloride	11/18/2013	11/26/2013	8	28	OK
MW-31	Chloroform	11/18/2013	11/22/2013	4	14	OK
MW-31	Chloromethane	11/18/2013	11/22/2013	4	14	OK
MW-31	Chromium	11/18/2013	12/3/2013	15	180	OK
MW-31	Cobalt	11/18/2013	12/3/2013	15	180	OK
MW-31	Copper	11/18/2013	12/3/2013	15	180	OK
MW-31	Fluoride	11/18/2013	11/27/2013	9	27	OK
MW-31	Gross Radium Alpha	11/18/2013	12/4/2013	16	180	OK
MW-31	Iron	11/18/2013	12/3/2013	15	180	OK
MW-31	Lead	11/18/2013	12/3/2013	15	180	OK
MW-31	Magnesium	11/18/2013	12/2/2013	14	180	OK
MW-31	Manganese	11/18/2013	12/3/2013	15	180	OK
MW-31	Mercury	11/18/2013	12/2/2013	14	180	OK
MW-31	Methylene chloride	11/18/2013	11/22/2013	4	14	OK
MW-31	Molybdenum	11/18/2013	12/3/2013	15	180	OK
MW-31	Naphthalene	11/18/2013	11/22/2013	4	14	OK
MW-31	Nickel	11/18/2013	12/3/2013	15	180	OK
MW-31	Nitrate/Nitrite (as N)	11/18/2013	12/4/2013	16	28	OK
MW-31	Potassium	11/18/2013	12/2/2013	14	180	OK
MW-31	Selenium	11/18/2013	12/3/2013	15	180	OK
MW-31	Silver	11/18/2013	12/3/2013	15	180	OK
MW-31	Sodium	11/18/2013	12/2/2013	14	180	OK
MW-31	Sulfate	11/18/2013	11/26/2013	8	28	OK
MW-31	Tetrahydrofuran	11/18/2013	11/22/2013	4	14	OK
MW-31	Thallium	11/18/2013	12/2/2013	14	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-31	Tin	11/18/2013	12/3/2013	15	180	OK
MW-31	Toluene	11/18/2013	11/22/2013	4	14	OK
MW-31	Total Dissolved Solids	11/18/2013	11/22/2013	4	7	OK
MW-31	Uranium	11/18/2013	12/3/2013	15	180	OK
MW-31	Vanadium	11/18/2013	12/2/2013	14	180	OK
MW-31	Xylenes, Total	11/18/2013	11/22/2013	4	14	OK
MW-31	Zinc	11/18/2013	12/3/2013	15	180	OK
MW-32	2-Butanone	11/18/2013	11/22/2013	4	14	OK
MW-32	Acetone	11/18/2013	11/22/2013	4	14	OK
MW-32	Ammonia (as N)	11/18/2013	11/26/2013	8	28	OK
MW-32	Arsenic	11/18/2013	12/3/2013	15	180	OK
MW-32	Benzene	11/18/2013	11/22/2013	4	14	OK
MW-32	Beryllium	11/18/2013	12/3/2013	15	180	OK
MW-32	Bicarbonate (as CaCO3)	11/18/2013	11/26/2013	8	14	OK
MW-32	Cadmium	11/18/2013	12/3/2013	15	180	OK
MW-32	Calcium	11/18/2013	12/2/2013	14	180	OK
MW-32	Carbon tetrachloride	11/18/2013	11/22/2013	4	14	OK
MW-32	Carbonate (as CaCO3)	11/18/2013	11/26/2013	8	14	OK
MW-32	Chloride	11/18/2013	11/27/2013	9	28	OK
MW-32	Chloroform	11/18/2013	11/22/2013	4	14	OK
MW-32	Chloromethane	11/18/2013	11/22/2013	4	14	OK
MW-32	Chromium	11/18/2013	12/3/2013	15	180	OK
MW-32	Cobalt	11/18/2013	12/3/2013	15	180	OK
MW-32	Copper	11/18/2013	12/3/2013	15	180	OK
MW-32	Fluoride	11/18/2013	11/27/2013	9	27	OK
MW-32	Gross Radium Alpha	11/18/2013	12/4/2013	16	180	OK
MW-32	Iron	11/18/2013	12/3/2013	15	180	OK
MW-32	Lead	11/18/2013	12/3/2013	15	180	OK
MW-32	Magnesium	11/18/2013	12/2/2013	14	180	OK
MW-32	Manganese	11/18/2013	12/3/2013	15	180	OK
MW-32	Mercury	11/18/2013	12/2/2013	14	180	OK
MW-32	Methylene chloride	11/18/2013	11/22/2013	4	14	OK
MW-32	Molybdenum	11/18/2013	12/3/2013	15	180	OK
MW-32	Naphthalene	11/18/2013	11/22/2013	4	14	OK
MW-32	Nickel	11/18/2013	12/3/2013	15	180	OK
MW-32	Nitrate/Nitrite (as N)	11/18/2013	12/4/2013	16	28	OK
MW-32	Potassium	11/18/2013	12/2/2013	14	180	OK
MW-32	Selenium	11/18/2013	12/3/2013	15	180	OK
MW-32	Silver	11/18/2013	12/3/2013	15	180	OK
MW-32	Sodium	11/18/2013	12/2/2013	14	180	OK
MW-32	Sulfate	11/18/2013	11/26/2013	8	28	OK
MW-32	Tetrahydrofuran	11/18/2013	11/22/2013	4	14	OK
MW-32	Thallium	11/18/2013	12/2/2013	14	180	OK
MW-32	Tin	11/18/2013	12/3/2013	15	180	OK
MW-32	Toluene	11/18/2013	11/22/2013	4	14	OK
MW-32	Total Dissolved Solids	11/18/2013	11/22/2013	4	7	OK
MW-32	Uranium	11/18/2013	12/3/2013	15	180	OK
MW-32	Vanadium	11/18/2013	12/2/2013	14	180	OK
MW-32	Xylenes, Total	11/18/2013	11/22/2013	4	14	OK
MW-32	Zinc	11/18/2013	12/3/2013	15	180	OK
MW-35	2-Butanone	11/19/2013	11/22/2013	3	14	OK
MW-35	Acetone	11/19/2013	11/22/2013	3	14	OK
MW-35	Ammonia (as N)	11/19/2013	11/26/2013	7	28	OK
MW-35	Arsenic	11/19/2013	12/3/2013	14	180	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-35	Benzene	11/19/2013	11/22/2013	3	14	OK
MW-35	Beryllium	11/19/2013	12/3/2013	14	180	OK
MW-35	Bicarbonate (as CaCO3)	11/19/2013	11/26/2013	7	14	OK
MW-35	Cadmium	11/19/2013	12/3/2013	14	180	OK
MW-35	Calcium	11/19/2013	12/2/2013	13	180	OK
MW-35	Carbon tetrachloride	11/19/2013	11/22/2013	3	14	OK
MW-35	Carbonate (as CaCO3)	11/19/2013	11/26/2013	7	14	OK
MW-35	Chloride	11/19/2013	11/27/2013	8	28	OK
MW-35	Chloroform	11/19/2013	11/22/2013	3	14	OK
MW-35	Chloromethane	11/19/2013	11/22/2013	3	14	OK
MW-35	Chromium	11/19/2013	12/3/2013	14	180	OK
MW-35	Cobalt	11/19/2013	12/3/2013	14	180	OK
MW-35	Copper	11/19/2013	12/3/2013	14	180	OK
MW-35	Fluoride	11/19/2013	11/27/2013	8	27	OK
MW-35	Gross Radium Alpha	11/19/2013	12/4/2013	15	180	OK
MW-35	Iron	11/19/2013	12/3/2013	14	180	OK
MW-35	Lead	11/19/2013	12/3/2013	14	180	OK
MW-35	Magnesium	11/19/2013	12/2/2013	13	180	OK
MW-35	Manganese	11/19/2013	12/3/2013	14	180	OK
MW-35	Mercury	11/19/2013	12/2/2013	13	180	OK
MW-35	Methylene chloride	11/19/2013	11/22/2013	3	14	OK
MW-35	Molybdenum	11/19/2013	12/3/2013	14	180	OK
MW-35	Naphthalene	11/19/2013	11/22/2013	3	14	OK
MW-35	Nickel	11/19/2013	12/3/2013	14	180	OK
MW-35	Nitrate/Nitrite (as N)	11/19/2013	12/4/2013	15	28	OK
MW-35	Potassium	11/19/2013	12/2/2013	13	180	OK
MW-35	Selenium	11/19/2013	12/3/2013	14	180	OK
MW-35	Silver	11/19/2013	12/3/2013	14	180	OK
MW-35	Sodium	11/19/2013	12/2/2013	13	180	OK
MW-35	Sulfate	11/19/2013	11/26/2013	7	28	OK
MW-35	Tetrahydrofuran	11/19/2013	11/22/2013	3	14	OK
MW-35	Thallium	11/19/2013	12/2/2013	13	180	OK
MW-35	Tin	11/19/2013	12/3/2013	14	180	OK
MW-35	Toluene	11/19/2013	11/22/2013	3	14	OK
MW-35	Total Dissolved Solids	11/19/2013	11/22/2013	3	7	OK
MW-35	Uranium	11/19/2013	12/3/2013	14	180	OK
MW-35	Vanadium	11/19/2013	12/2/2013	13	180	OK
MW-35	Xylenes, Total	11/19/2013	11/22/2013	3	14	OK
MW-35	Zinc	11/19/2013	12/3/2013	14	180	OK
MW-36	2-Butanone	11/20/2013	11/22/2013	2	14	OK
MW-36	Acetone	11/20/2013	11/22/2013	2	14	OK
MW-36	Ammonia (as N)	11/20/2013	11/26/2013	6	28	OK
MW-36	Arsenic	11/20/2013	12/3/2013	13	180	OK
MW-36	Benzene	11/20/2013	11/22/2013	2	14	OK
MW-36	Beryllium	11/20/2013	12/3/2013	13	180	OK
MW-36	Bicarbonate (as CaCO3)	11/20/2013	11/26/2013	6	14	OK
MW-36	Cadmium	11/20/2013	12/3/2013	13	180	OK
MW-36	Calcium	11/20/2013	12/2/2013	12	180	OK
MW-36	Carbon tetrachloride	11/20/2013	11/22/2013	2	14	OK
MW-36	Carbonate (as CaCO3)	11/20/2013	11/26/2013	6	14	OK
MW-36	Chloride	11/20/2013	11/27/2013	7	28	OK
MW-36	Chloroform	11/20/2013	11/22/2013	2	14	OK
MW-36	Chloromethane	11/20/2013	11/22/2013	2	14	OK
MW-36	Chromium	11/20/2013	12/3/2013	13	180	OK

G-2A: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-36	Cobalt	11/20/2013	12/3/2013	13	180	OK
MW-36	Copper	11/20/2013	12/3/2013	13	180	OK
MW-36	Fluoride	11/20/2013	11/27/2013	7	27	OK
MW-36	Gross Radium Alpha	11/20/2013	12/4/2013	14	180	OK
MW-36	Iron	11/20/2013	12/3/2013	13	180	OK
MW-36	Lead	11/20/2013	12/3/2013	13	180	OK
MW-36	Magnesium	11/20/2013	12/2/2013	12	180	OK
MW-36	Manganese	11/20/2013	12/3/2013	13	180	OK
MW-36	Mercury	11/20/2013	12/2/2013	12	180	OK
MW-36	Methylene chloride	11/20/2013	11/22/2013	2	14	OK
MW-36	Molybdenum	11/20/2013	12/3/2013	13	180	OK
MW-36	Naphthalene	11/20/2013	11/22/2013	2	14	OK
MW-36	Nickel	11/20/2013	12/3/2013	13	180	OK
MW-36	Nitrate/Nitrite (as N)	11/20/2013	12/4/2013	14	28	OK
MW-36	Potassium	11/20/2013	12/2/2013	12	180	OK
MW-36	Selenium	11/20/2013	12/3/2013	13	180	OK
MW-36	Silver	11/20/2013	12/3/2013	13	180	OK
MW-36	Sodium	11/20/2013	12/2/2013	12	180	OK
MW-36	Sulfate	11/20/2013	11/27/2013	7	28	OK
MW-36	Tetrahydrofuran	11/20/2013	11/22/2013	2	14	OK
MW-36	Thallium	11/20/2013	12/3/2013	13	180	OK
MW-36	Tin	11/20/2013	12/3/2013	13	180	OK
MW-36	Toluene	11/20/2013	11/22/2013	2	14	OK
MW-36	Total Dissolved Solids	11/20/2013	11/22/2013	2	7	OK
MW-36	Uranium	11/20/2013	12/3/2013	13	180	OK
MW-36	Vanadium	11/20/2013	12/2/2013	12	180	OK
MW-36	Xylenes, Total	11/20/2013	11/22/2013	2	14	OK
MW-36	Zinc	11/20/2013	12/3/2013	13	180	OK
MW-37	2-Butanone	12/18/2013	12/23/2013	5	14	OK
MW-37	Acetone	12/18/2013	12/23/2013	5	14	OK
MW-37	Ammonia (as N)	12/18/2013	12/27/2013	9	28	OK
MW-37	Arsenic	12/18/2013	12/31/2013	13	180	OK
MW-37	Benzene	12/18/2013	12/23/2013	5	14	OK
MW-37	Beryllium	12/18/2013	12/31/2013	13	180	OK
MW-37	Bicarbonate (as CaCO3)	12/18/2013	12/24/2013	6	14	OK
MW-37	Cadmium	12/18/2013	12/31/2013	13	180	OK
MW-37	Calcium	12/18/2013	12/31/2013	13	180	OK
MW-37	Carbon tetrachloride	12/18/2013	12/23/2013	5	14	OK
MW-37	Carbonate (as CaCO3)	12/18/2013	12/24/2013	6	14	OK
MW-37	Chloride	12/18/2013	12/28/2013	10	28	OK
MW-37	Chloroform	12/18/2013	12/23/2013	5	14	OK
MW-37	Chloromethane	12/18/2013	12/23/2013	5	14	OK
MW-37	Chromium	12/18/2013	12/31/2013	13	180	OK
MW-37	Cobalt	12/18/2013	12/31/2013	13	180	OK
MW-37	Copper	12/18/2013	12/31/2013	13	180	OK
MW-37	Fluoride	12/18/2013	12/28/2013	10	27	OK
MW-37	Gross Radium Alpha	12/18/2013	1/14/2014	27	180	OK
MW-37	Iron	12/18/2013	1/6/2014	19	180	OK
MW-37	Lead	12/18/2013	12/31/2013	13	180	OK
MW-37	Magnesium	12/18/2013	12/31/2013	13	180	OK
MW-37	Manganese	12/18/2013	1/3/2014	16	180	OK
MW-37	Mercury	12/18/2013	12/24/2013	6	180	OK
MW-37	Methylene chloride	12/18/2013	12/23/2013	5	14	OK
MW-37	Molybdenum	12/18/2013	12/31/2013	13	180	OK

G-2A: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-37	Naphthalene	12/18/2013	12/23/2013	5	14	OK
MW-37	Nickel	12/18/2013	12/31/2013	13	180	OK
MW-37	Nitrate/Nitrite (as N)	12/18/2013	12/27/2013	9	28	OK
MW-37	Potassium	12/18/2013	1/3/2014	16	180	OK
MW-37	Selenium	12/18/2013	12/31/2013	13	180	OK
MW-37	Silver	12/18/2013	12/31/2013	13	180	OK
MW-37	Sodium	12/18/2013	12/31/2013	13	180	OK
MW-37	Sulfate	12/18/2013	12/28/2013	10	28	OK
MW-37	Tetrahydrofuran	12/18/2013	12/23/2013	5	14	OK
MW-37	Thallium	12/18/2013	12/30/2013	12	180	OK
MW-37	Tin	12/18/2013	12/30/2013	12	180	OK
MW-37	Toluene	12/18/2013	12/23/2013	5	14	OK
MW-37	Total Dissolved Solids	12/18/2013	12/23/2013	5	7	OK
MW-37	Uranium	12/18/2013	12/31/2013	13	180	OK
MW-37	Vanadium	12/18/2013	1/3/2014	16	180	OK
MW-37	Xylenes, Total	12/18/2013	12/23/2013	5	14	OK
MW-37	Zinc	12/18/2013	12/31/2013	13	180	OK
MW-65	2-Butanone	11/20/2013	11/22/2013	2	14	OK
MW-65	Acetone	11/20/2013	11/22/2013	2	14	OK
MW-65	Ammonia (as N)	11/20/2013	11/26/2013	6	28	OK
MW-65	Arsenic	11/20/2013	12/3/2013	13	180	OK
MW-65	Benzene	11/20/2013	11/22/2013	2	14	OK
MW-65	Beryllium	11/20/2013	12/3/2013	13	180	OK
MW-65	Bicarbonate (as CaCO3)	11/20/2013	11/26/2013	6	14	OK
MW-65	Cadmium	11/20/2013	12/3/2013	13	180	OK
MW-65	Calcium	11/20/2013	12/2/2013	12	180	OK
MW-65	Carbon tetrachloride	11/20/2013	11/22/2013	2	14	OK
MW-65	Carbonate (as CaCO3)	11/20/2013	11/26/2013	6	14	OK
MW-65	Chloride	11/20/2013	11/27/2013	7	28	OK
MW-65	Chloroform	11/20/2013	11/22/2013	2	14	OK
MW-65	Chloromethane	11/20/2013	11/22/2013	2	14	OK
MW-65	Chromium	11/20/2013	12/3/2013	13	180	OK
MW-65	Cobalt	11/20/2013	12/3/2013	13	180	OK
MW-65	Copper	11/20/2013	12/3/2013	13	180	OK
MW-65	Fluoride	11/20/2013	11/27/2013	7	27	OK
MW-65	Gross Radium Alpha	11/20/2013	12/4/2013	14	180	OK
MW-65	Iron	11/20/2013	12/3/2013	13	180	OK
MW-65	Lead	11/20/2013	12/3/2013	13	180	OK
MW-65	Magnesium	11/20/2013	12/2/2013	12	180	OK
MW-65	Manganese	11/20/2013	12/3/2013	13	180	OK
MW-65	Mercury	11/20/2013	12/2/2013	12	180	OK
MW-65	Methylene chloride	11/20/2013	11/22/2013	2	14	OK
MW-65	Molybdenum	11/20/2013	12/3/2013	13	180	OK
MW-65	Naphthalene	11/20/2013	11/22/2013	2	14	OK
MW-65	Nickel	11/20/2013	12/3/2013	13	180	OK
MW-65	Nitrate/Nitrite (as N)	11/20/2013	12/4/2013	14	28	OK
MW-65	Potassium	11/20/2013	12/2/2013	12	180	OK
MW-65	Selenium	11/20/2013	12/3/2013	13	180	OK
MW-65	Silver	11/20/2013	12/3/2013	13	180	OK
MW-65	Sodium	11/20/2013	12/2/2013	12	180	OK
MW-65	Sulfate	11/20/2013	11/27/2013	7	28	OK
MW-65	Tetrahydrofuran	11/20/2013	11/22/2013	2	14	OK
MW-65	Thallium	11/20/2013	12/3/2013	13	180	OK
MW-65	Tin	11/20/2013	12/3/2013	13	180	OK

G-2A: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-65	Toluene	11/20/2013	11/22/2013	2	14	OK
MW-65	Total Dissolved Solids	11/20/2013	11/22/2013	2	7	OK
MW-65	Uranium	11/20/2013	12/3/2013	13	180	OK
MW-65	Vanadium	11/20/2013	12/3/2013	13	180	OK
MW-65	Xylenes, Total	11/20/2013	11/22/2013	2	14	OK
MW-65	Zinc	11/20/2013	12/3/2013	13	180	OK
MW-70	2-Butanone	12/11/2013	12/13/2013	2	14	OK
MW-70	Acetone	12/11/2013	12/13/2013	2	14	OK
MW-70	Ammonia (as N)	12/11/2013	12/19/2013	8	28	OK
MW-70	Arsenic	12/11/2013	12/18/2013	7	180	OK
MW-70	Benzene	12/11/2013	12/13/2013	2	14	OK
MW-70	Beryllium	12/11/2013	12/18/2013	7	180	OK
MW-70	Bicarbonate (as CaCO3)	12/11/2013	12/16/2013	5	14	OK
MW-70	Cadmium	12/11/2013	12/18/2013	7	180	OK
MW-70	Calcium	12/11/2013	12/19/2013	8	180	OK
MW-70	Carbon tetrachloride	12/11/2013	12/13/2013	2	14	OK
MW-70	Carbonate (as CaCO3)	12/11/2013	12/16/2013	5	14	OK
MW-70	Chloride	12/11/2013	12/14/2013	3	28	OK
MW-70	Chloroform	12/11/2013	12/13/2013	2	14	OK
MW-70	Chloromethane	12/11/2013	12/13/2013	2	14	OK
MW-70	Chromium	12/11/2013	12/18/2013	7	180	OK
MW-70	Cobalt	12/11/2013	12/18/2013	7	180	OK
MW-70	Copper	12/11/2013	12/18/2013	7	180	OK
MW-70	Fluoride	12/11/2013	12/17/2013	6	27	OK
MW-70	Gross Radium Alpha	12/11/2013	12/21/2013	10	180	OK
MW-70	Iron	12/11/2013	12/18/2013	7	180	OK
MW-70	Lead	12/11/2013	12/18/2013	7	180	OK
MW-70	Magnesium	12/11/2013	12/19/2013	8	180	OK
MW-70	Manganese	12/11/2013	12/18/2013	7	180	OK
MW-70	Mercury	12/11/2013	12/18/2013	7	180	OK
MW-70	Methylene chloride	12/11/2013	12/13/2013	2	14	OK
MW-70	Molybdenum	12/11/2013	12/18/2013	7	180	OK
MW-70	Naphthalene	12/11/2013	12/13/2013	2	14	OK
MW-70	Nickel	12/11/2013	12/18/2013	7	180	OK
MW-70	Nitrate/Nitrite (as N)	12/11/2013	12/18/2013	7	28	OK
MW-70	Potassium	12/11/2013	12/20/2013	9	180	OK
MW-70	Selenium	12/11/2013	12/18/2013	7	180	OK
MW-70	Silver	12/11/2013	12/18/2013	7	180	OK
MW-70	Sodium	12/11/2013	12/20/2013	9	180	OK
MW-70	Sulfate	12/11/2013	12/14/2013	3	28	OK
MW-70	Tetrahydrofuran	12/11/2013	12/13/2013	2	14	OK
MW-70	Thallium	12/11/2013	12/18/2013	7	180	OK
MW-70	Tin	12/11/2013	12/18/2013	7	180	OK
MW-70	Toluene	12/11/2013	12/13/2013	2	14	OK
MW-70	Total Dissolved Solids	12/11/2013	12/13/2013	2	7	OK
MW-70	Uranium	12/11/2013	12/18/2013	7	180	OK
MW-70	Vanadium	12/11/2013	12/19/2013	8	180	OK
MW-70	Xylenes, Total	12/11/2013	12/13/2013	2	14	OK
MW-70	Zinc	12/11/2013	12/18/2013	7	180	OK

G-2B: Holding Time Evaluation - Accelerated Samples

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
Trip Blank	Chloroform	10/22/2013	10/25/2013	3	14	OK
Trip Blank	Methylene chloride	10/22/2013	10/25/2013	3	14	OK
Trip Blank	Chloroform	12/18/2013	12/23/2013	5	14	OK
Trip Blank	Methylene chloride	12/18/2013	12/23/2013	5	14	OK
MW-11	Manganese	10/22/2013	10/28/2013	6	180	OK
MW-11	Manganese	12/18/2013	1/3/2014	16	180	OK
MW-14	Manganese	10/22/2013	10/30/2013	8	180	OK
MW-14	Manganese	12/18/2013	1/5/2014	18	180	OK
MW-25	Chloride	10/22/2013	10/28/2013	6	28	OK
MW-25	Cadmium	10/22/2013	10/28/2013	6	180	OK
MW-25	Uranium	10/22/2013	10/28/2013	6	180	OK
MW-25	Chloride	12/17/2013	12/28/2013	11	28	OK
MW-25	Fluoride	12/17/2013	12/28/2013	11	27	OK
MW-25	Cadmium	12/17/2013	12/31/2013	14	180	OK
MW-26	Chloride	10/23/2013	10/28/2013	5	28	OK
MW-26	Chloroform	10/23/2013	10/28/2013	5	14	OK
MW-26	Uranium	10/23/2013	10/28/2013	5	180	OK
MW-26	Methylene chloride	10/23/2013	10/25/2013	2	14	OK
MW-26	Nitrate/Nitrite (as N)	10/23/2013	10/30/2013	7	28	OK
MW-26	Chloride	12/18/2013	12/28/2013	10	28	OK
MW-26	Chloroform	12/18/2013	12/23/2013	5	14	OK
MW-26	Uranium	12/18/2013	12/31/2013	13	180	OK
MW-26	Methylene chloride	12/18/2013	12/23/2013	5	14	OK
MW-26	Nitrate/Nitrite (as N)	12/18/2013	12/27/2013	9	28	OK
MW-30	Chloride	10/22/2013	10/28/2013	6	28	OK
MW-30	Uranium	10/22/2013	10/28/2013	6	180	OK
MW-30	Selenium	10/22/2013	10/28/2013	6	180	OK
MW-30	Nitrate/Nitrite (as N)	10/22/2013	10/30/2013	8	28	OK
MW-30	Chloride	12/18/2013	12/28/2013	10	28	OK
MW-30	Selenium	12/18/2013	12/31/2013	13	180	OK
MW-30	Nitrate/Nitrite (as N)	12/18/2013	12/27/2013	9	28	OK
MW-31	Sulfate	10/23/2013	10/28/2013	5	28	OK
MW-31	Chloride	10/23/2013	10/28/2013	5	28	OK
MW-31	Selenium	10/23/2013	10/28/2013	5	180	OK
MW-31	Nitrate/Nitrite (as N)	10/23/2013	10/30/2013	7	28	OK
MW-31	Total Dissolved Solids	10/23/2013	10/25/2013	2	7	OK
MW-31	Sulfate	12/17/2013	12/28/2013	11	28	OK
MW-31	Chloride	12/17/2013	12/28/2013	11	28	OK
MW-31	Selenium	12/17/2013	12/31/2013	14	180	OK
MW-31	Nitrate/Nitrite (as N)	12/17/2013	12/27/2013	10	28	OK
MW-31	Total Dissolved Solids	12/17/2013	12/23/2013	6	7	OK
MW-35	Manganese	10/23/2013	10/28/2013	5	180	OK
MW-35	Molybdenum	10/23/2013	10/28/2013	5	180	OK
MW-35	Thallium	10/23/2013	11/1/2013	9	180	OK
MW-35	Uranium	10/23/2013	10/28/2013	5	180	OK
MW-35	Selenium	10/23/2013	10/28/2013	5	180	OK
MW-35	Gross Radium Alpha	10/23/2013	11/16/2013	24	180	OK
MW-35	Manganese	12/17/2013	1/3/2014	17	180	OK
MW-35	Thallium	12/17/2013	12/30/2013	13	180	OK
MW-35	Uranium	12/17/2013	12/31/2013	14	180	OK
MW-35	Selenium	12/17/2013	12/31/2013	14	180	OK
MW-35	Gross Radium Alpha	12/17/2013	1/14/2014	28	180	OK
MW-65	Sulfate	10/23/2013	10/28/2013	5	28	OK
MW-65	Chloride	10/23/2013	10/28/2013	5	28	OK

G-2B: Holding Time Evaluation - Accelerated Samples

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-65	Selenium	10/23/2013	10/28/2013	5	180	OK
MW-65	Nitrate/Nitrite (as N)	10/23/2013	10/30/2013	7	28	OK
MW-65	Total Dissolved Solids	10/23/2013	10/25/2013	2	7	OK
MW-65	Manganese	12/18/2013	1/3/2014	16	180	OK

G-3A: Laboratory Receipt Temperature Check

Sample Batch	Wells in Batch	Temperature
GEL 338188	MW-11, MW-14, MW-15, MW-25, MW-26, MW-29, MW-30, MW-31, MW-32, MW-35, MW-36, MW-65	NA
GEL 338950	MW-01, MW-02, MW-05, MW-18, MW-19, MW-27, MW-28	NA
GEL 339269	MW-03, MW-03A, MW-12, MW-17, MW-22, MW-24, MW-70	NA
GEL 339762	MW-20, MW-23, MW-37	NA
AWAL 1311470	MW-11, MW-14, MW-15, MW-25, MW-26, MW-29, MW-30, MW-31, MW-32, MW-35, MW-36, MW-65, Trip Blank	0.5°C
AWAL 1312162	MW-01, MW-02, MW-05, MW-18, MW-19, MW-27, MW-28, Trip Blank	1.3°C
AWAL 1312280	MW-03, MW-03A, MW-12, MW-17, MW-22, MW-24, MW-70, Trip Blank	1.9°C
AWAL 1312464	MW-20, MW-23, MW-37, Trip Blank	2.9°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: Laboratory Receipt Temperature Check - Accelerated Samples

Sample Batch	Wells in Batch	Temperature
GEL 336359	MW-35	NA
AWAL 1310537	MW-11, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65	1.9 °C
GEL 339763	MW-35	NA
AWAL 1312465	MW-11, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65	2.9 °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-4A: Analytical Method Check

Parameter	QAP Method*	Method Used by Lab
Ammonia (as N)	A4500-NH3 G or E350.1	E350.1
Nitrate + Nitrite (as N)	E353.1 or E353.2	E353.2
Metals	E200.7 or E200.8	E200.7 and E200.8
Gross Alpha	E900.0 or E900.1	E900.1
VOCs	SW8260B or SW8260C	SW8260C
Chloride	A4500-Cl B or A4500-Cl E or E300.0	E300.0
Fluoride	A4500-F C or E300.0	E300.0
Sulfate	A4500-SO4 E or E300.0	E300.0
TDS	A2540 C	A2540 C
Carbonate as CO3, Bicarbonate as HCO3	A2320 B	A2320 B
Calcium, Magnesium, Potassium, Sodium	E200.7	E200.7

G-4B: Analytical Method Check - Accelerated Samples

Parameter	QAP Method*	Method Used by Lab
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
Fluoride	A4500-F C or E300.0	E300.0

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
Trip Blank	2-Butanone	20	ug/L	U	20	ug/L	OK	1
Trip Blank	Acetone	20	ug/L	U	20	ug/L	OK	1
Trip Blank	Benzene	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Chloroform	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Chloromethane	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Naphthalene	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Toluene	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
Trip Blank	2-Butanone	20	ug/L	U	20	ug/L	OK	1
Trip Blank	Acetone	20	ug/L	U	20	ug/L	OK	1
Trip Blank	Benzene	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Chloroform	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Chloromethane	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Naphthalene	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Toluene	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
Trip Blank	2-Butanone	20	ug/L	U	20	ug/L	OK	1
Trip Blank	Acetone	20	ug/L	U	20	ug/L	OK	1
Trip Blank	Benzene	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Chloroform	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Chloromethane	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Naphthalene	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Toluene	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
Trip Blank	2-Butanone	20	ug/L	U	20	ug/L	OK	1
Trip Blank	Acetone	20	ug/L	U	20	ug/L	OK	1
Trip Blank	Benzene	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Chloroform	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Chloromethane	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Naphthalene	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Toluene	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-01	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-01	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-01	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-01	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-01	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-01	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-01	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-01	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-01	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-01	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-01	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-01	Chloride	5	mg/l		1	mg/l	OK	5
MW-01	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-01	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-01	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-01	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-01	Copper	10	ug/L	U	10	ug/L	OK	20
MW-01	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-01	Gross Radium Alpha	0.981	pCi/L	U	1	pCi/L	OK	1
MW-01	Iron	30	ug/L		30	ug/L	OK	5
MW-01	Lead	1	ug/L	U	1	ug/L	OK	5
MW-01	Magnesium	5	mg/l		0.5	mg/l	OK	5
MW-01	Manganese	10	ug/L		10	ug/L	OK	20
MW-01	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-01	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-01	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-01	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-01	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-01	Nitrate/Nitrite (as N)	0.1	ug/L	U	0.1	ug/L	OK	1
MW-01	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-01	Selenium	5	ug/L	U	5	ug/L	OK	20
MW-01	Silver	10	ug/L	U	10	ug/L	OK	20
MW-01	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-01	Sulfate	100	mg/l		1	mg/l	OK	100
MW-01	Tetrahydrofuran	1	ug/L		1	ug/L	OK	1
MW-01	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-01	Tin	100	ug/L	U	100	ug/L	OK	20
MW-01	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-01	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-01	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-01	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-01	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-01	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-02	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-02	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-02	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-02	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-02	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-02	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-02	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-02	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-02	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-02	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-02	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-02	Chloride	1	mg/l		1	mg/l	OK	1
MW-02	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-02	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-02	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-02	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-02	Copper	10	ug/L	U	10	ug/L	OK	20
MW-02	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-02	Gross Radium Alpha	0.996	pCi/L	U	1	pCi/L	OK	1
MW-02	Iron	30	ug/L	U	30	ug/L	OK	5
MW-02	Lead	1	ug/L	U	1	ug/L	OK	5

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-02	Magnesium	5	mg/l		0.5	mg/l	OK	5
MW-02	Manganese	10	ug/L	U	10	ug/L	OK	20
MW-02	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-02	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-02	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-02	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-02	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-02	Nitrate/Nitrite (as N)	0.1	ug/L	U	0.1	ug/L	OK	1
MW-02	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-02	Selenium	5	ug/L		5	ug/L	OK	20
MW-02	Silver	10	ug/L	U	10	ug/L	OK	20
MW-02	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-02	Sulfate	500	mg/l		1	mg/l	OK	500
MW-02	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-02	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-02	Tin	100	ug/L	U	100	ug/L	OK	20
MW-02	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-02	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-02	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-02	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-02	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-02	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-03	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-03	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-03	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-03	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-03	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-03	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-03	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-03	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-03	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-03	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-03	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-03	Chloride	10	mg/l		1	mg/l	OK	10
MW-03	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-03	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-03	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-03	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-03	Copper	10	ug/L	U	10	ug/L	OK	20
MW-03	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-03	Gross Radium Alpha	0.986	pCi/L	U	1	pCi/L	OK	1
MW-03	Iron	30	ug/L	U	30	ug/L	OK	5
MW-03	Lead	1	ug/L	U	1	ug/L	OK	5
MW-03	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-03	Manganese	10	ug/L		10	ug/L	OK	20
MW-03	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-03	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-03	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-03	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-03	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-03	Nitrate/Nitrite (as N)	0.1	ug/L		0.1	ug/L	OK	1
MW-03	Potassium	5	mg/l		0.5	mg/l	OK	5
MW-03	Selenium	5	ug/L		5	ug/L	OK	20
MW-03	Silver	10	ug/L	U	10	ug/L	OK	20

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-03	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-03	Sulfate	500	mg/l		1	mg/l	OK	500
MW-03	Tetrahydrofuran	1	ug/L		1	ug/L	OK	1
MW-03	Thallium	0.5	ug/L		0.5	ug/L	OK	5
MW-03	Tin	100	ug/L	U	100	ug/L	OK	20
MW-03	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-03	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-03	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-03	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-03	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-03	Zinc	10	ug/L		10	ug/L	OK	20
MW-03a	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-03a	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-03a	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-03a	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-03a	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-03a	Beryllium	0.5	ug/L		0.5	ug/L	OK	5
MW-03a	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-03a	Cadmium	0.5	ug/L		0.5	ug/L	OK	20
MW-03a	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-03a	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-03a	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-03a	Chloride	10	mg/l		1	mg/l	OK	10
MW-03a	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-03a	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-03a	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-03a	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-03a	Copper	10	ug/L	U	10	ug/L	OK	20
MW-03a	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-03a	Gross Radium Alpha	0.959	pCi/L		1	pCi/L	OK	1
MW-03a	Iron	30	ug/L	U	30	ug/L	OK	5
MW-03a	Lead	1	ug/L	U	1	ug/L	OK	5
MW-03a	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-03a	Manganese	10	ug/L		10	ug/L	OK	20
MW-03a	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-03a	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-03a	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-03a	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-03a	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-03a	Nitrate/Nitrite (as N)	0.1	ug/L		0.1	ug/L	OK	1
MW-03a	Potassium	5	mg/l		0.5	mg/l	OK	5
MW-03a	Selenium	5	ug/L		5	ug/L	OK	20
MW-03a	Silver	10	ug/L	U	10	ug/L	OK	20
MW-03a	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-03a	Sulfate	500	mg/l		1	mg/l	OK	500
MW-03a	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-03a	Thallium	0.5	ug/L		0.5	ug/L	OK	5
MW-03a	Tin	100	ug/L	U	100	ug/L	OK	20
MW-03a	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-03a	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-03a	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-03a	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-03a	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-03a	Zinc	10	ug/L		10	ug/L	OK	20

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-05	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-05	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-05	Ammonia (as N)	0.05	ug/L		0.05	ug/L	OK	1
MW-05	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-05	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-05	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-05	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-05	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-05	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-05	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-05	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-05	Chloride	10	mg/l		1	mg/l	OK	10
MW-05	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-05	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-05	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-05	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-05	Copper	10	ug/L	U	10	ug/L	OK	20
MW-05	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-05	Gross Radium Alpha	0.934	pCi/L		1	pCi/L	OK	1
MW-05	Iron	30	ug/L		30	ug/L	OK	5
MW-05	Lead	1	ug/L	U	1	ug/L	OK	5
MW-05	Magnesium	5	mg/l		0.5	mg/l	OK	5
MW-05	Manganese	10	ug/L		10	ug/L	OK	20
MW-05	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-05	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-05	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-05	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-05	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-05	Nitrate/Nitrite (as N)	0.1	ug/L		0.1	ug/L	OK	1
MW-05	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-05	Selenium	5	ug/L	U	5	ug/L	OK	20
MW-05	Silver	10	ug/L	U	10	ug/L	OK	20
MW-05	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-05	Sulfate	500	mg/l		1	mg/l	OK	500
MW-05	Tetrahydrofuran	1	ug/L		1	ug/L	OK	1
MW-05	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-05	Tin	100	ug/L	U	100	ug/L	OK	20
MW-05	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-05	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-05	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-05	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-05	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-05	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-11	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-11	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-11	Ammonia (as N)	0.05	ug/L		0.05	ug/L	OK	1
MW-11	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-11	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-11	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-11	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-11	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-11	Calcium	5	mg/l		0.5	mg/l	OK	5
MW-11	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-11	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-11	Chloride	5	mg/l		1	mg/l	OK	5
MW-11	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-11	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-11	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-11	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-11	Copper	10	ug/L	U	10	ug/L	OK	20
MW-11	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-11	Gross Radium Alpha	0.941	pCi/L	U	1	pCi/L	OK	1
MW-11	Iron	30	ug/L		30	ug/L	OK	5
MW-11	Lead	1	ug/L	U	1	ug/L	OK	5
MW-11	Magnesium	5	mg/l		0.5	mg/l	OK	5
MW-11	Manganese	10	ug/L		10	ug/L	OK	20
MW-11	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-11	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-11	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-11	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-11	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-11	Nitrate/Nitrite (as N)	0.1	ug/L	U	0.1	ug/L	OK	1
MW-11	Potassium	5	mg/l		0.5	mg/l	OK	5
MW-11	Selenium	5	ug/L	U	5	ug/L	OK	20
MW-11	Silver	10	ug/L	U	10	ug/L	OK	20
MW-11	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-11	Sulfate	500	mg/l		1	mg/l	OK	500
MW-11	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-11	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-11	Tin	100	ug/L	U	100	ug/L	OK	20
MW-11	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-11	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-11	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-11	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-11	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-11	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-12	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-12	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-12	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-12	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-12	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-12	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-12	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-12	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-12	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-12	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-12	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-12	Chloride	10	mg/l		1	mg/l	OK	10
MW-12	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-12	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-12	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-12	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-12	Copper	10	ug/L	U	10	ug/L	OK	20
MW-12	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-12	Gross Radium Alpha	0.942	pCi/L	U	1	pCi/L	OK	1
MW-12	Iron	30	ug/L		30	ug/L	OK	5
MW-12	Lead	1	ug/L	U	1	ug/L	OK	5
MW-12	Magnesium	50	mg/l		0.5	mg/l	OK	50

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-12	Manganese	10	ug/L		10	ug/L	OK	20
MW-12	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-12	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-12	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-12	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-12	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-12	Nitrate/Nitrite (as N)	0.1	ug/L		0.1	ug/L	OK	1
MW-12	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-12	Selenium	5	ug/L		5	ug/L	OK	20
MW-12	Silver	10	ug/L	U	10	ug/L	OK	20
MW-12	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-12	Sulfate	500	mg/l		1	mg/l	OK	500
MW-12	Tetrahydrofuran	1	ug/L		1	ug/L	OK	1
MW-12	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-12	Tin	100	ug/L	U	100	ug/L	OK	20
MW-12	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-12	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-12	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-12	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-12	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-12	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-14	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-14	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-14	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-14	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-14	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-14	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-14	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-14	Cadmium	0.5	ug/L		0.5	ug/L	OK	20
MW-14	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-14	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-14	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-14	Chloride	5	mg/l		1	mg/l	OK	5
MW-14	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-14	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-14	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-14	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-14	Copper	10	ug/L	U	10	ug/L	OK	20
MW-14	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-14	Gross Radium Alpha	0.936	pCi/L	U	1	pCi/L	OK	1
MW-14	Iron	30	ug/L	U	30	ug/L	OK	5
MW-14	Lead	1	ug/L	U	1	ug/L	OK	5
MW-14	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-14	Manganese	10	ug/L		10	ug/L	OK	20
MW-14	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-14	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-14	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-14	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-14	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-14	Nitrate/Nitrite (as N)	0.1	ug/L	U	0.1	ug/L	OK	1
MW-14	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-14	Selenium	5	ug/L	U	5	ug/L	OK	20
MW-14	Silver	10	ug/L	U	10	ug/L	OK	20
MW-14	Sodium	50	mg/l		0.5	mg/l	OK	50

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-14	Sulfate	500	mg/l		1	mg/l	OK	500
MW-14	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-14	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-14	Tin	100	ug/L	U	100	ug/L	OK	20
MW-14	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-14	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-14	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-14	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-14	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-14	Zinc	10	ug/L		10	ug/L	OK	20
MW-15	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-15	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-15	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-15	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-15	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-15	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-15	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-15	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-15	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-15	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-15	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-15	Chloride	5	mg/l		1	mg/l	OK	5
MW-15	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-15	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-15	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-15	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-15	Copper	10	ug/L	U	10	ug/L	OK	20
MW-15	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-15	Gross Radium Alpha	0.941	pCi/L	U	1	pCi/L	OK	1
MW-15	Iron	30	ug/L	U	30	ug/L	OK	5
MW-15	Lead	1	ug/L	U	1	ug/L	OK	5
MW-15	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-15	Manganese	10	ug/L	U	10	ug/L	OK	20
MW-15	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-15	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-15	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-15	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-15	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-15	Nitrate/Nitrite (as N)	0.1	ug/L		0.1	ug/L	OK	1
MW-15	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-15	Selenium	5	ug/L		5	ug/L	OK	20
MW-15	Silver	10	ug/L	U	10	ug/L	OK	20
MW-15	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-15	Sulfate	500	mg/l		1	mg/l	OK	500
MW-15	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-15	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-15	Tin	100	ug/L	U	100	ug/L	OK	20
MW-15	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-15	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-15	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-15	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-15	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-15	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-17	2-Butanone	20	ug/L	U	20	ug/L	OK	1

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-17	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-17	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-17	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-17	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-17	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-17	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-17	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-17	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-17	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-17	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-17	Chloride	5	mg/l		1	mg/l	OK	5
MW-17	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-17	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-17	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-17	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-17	Copper	10	ug/L	U	10	ug/L	OK	20
MW-17	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-17	Gross Radium Alpha	0.935	pCi/L		1	pCi/L	OK	1
MW-17	Iron	30	ug/L	U	30	ug/L	OK	5
MW-17	Lead	1	ug/L	U	1	ug/L	OK	5
MW-17	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-17	Manganese	10	ug/L		10	ug/L	OK	20
MW-17	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-17	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-17	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-17	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-17	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-17	Nitrate/Nitrite (as N)	0.1	ug/L		0.1	ug/L	OK	1
MW-17	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-17	Selenium	5	ug/L		5	ug/L	OK	20
MW-17	Silver	10	ug/L	U	10	ug/L	OK	20
MW-17	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-17	Sulfate	500	mg/l		1	mg/l	OK	500
MW-17	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-17	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-17	Tin	100	ug/L	U	100	ug/L	OK	20
MW-17	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-17	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-17	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-17	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-17	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-17	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-18	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-18	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-18	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-18	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-18	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-18	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-18	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-18	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-18	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-18	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-18	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-18	Chloride	10	mg/l		1	mg/l	OK	10

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-18	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-18	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-18	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-18	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-18	Copper	10	ug/L	U	10	ug/L	OK	20
MW-18	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-18	Gross Radium Alpha	0.973	pCi/L	U	1	pCi/L	OK	1
MW-18	Iron	30	ug/L		30	ug/L	OK	5
MW-18	Lead	1	ug/L	U	1	ug/L	OK	5
MW-18	Magnesium	5	mg/l		0.5	mg/l	OK	5
MW-18	Manganese	10	ug/L		10	ug/L	OK	20
MW-18	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-18	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-18	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-18	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-18	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-18	Nitrate/Nitrite (as N)	0.1	ug/L	U	0.1	ug/L	OK	1
MW-18	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-18	Selenium	5	ug/L	U	5	ug/L	OK	20
MW-18	Silver	10	ug/L	U	10	ug/L	OK	20
MW-18	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-18	Sulfate	500	mg/l		1	mg/l	OK	500
MW-18	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-18	Thallium	0.5	ug/L		0.5	ug/L	OK	5
MW-18	Tin	100	ug/L	U	100	ug/L	OK	20
MW-18	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-18	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-18	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-18	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-18	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-18	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-19	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-19	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-19	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-19	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-19	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-19	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-19	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-19	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-19	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-19	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-19	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-19	Chloride	5	mg/l		1	mg/l	OK	5
MW-19	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-19	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-19	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-19	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-19	Copper	10	ug/L	U	10	ug/L	OK	20
MW-19	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-19	Gross Radium Alpha	0.983	pCi/L	U	1	pCi/L	OK	1
MW-19	Iron	30	ug/L	U	30	ug/L	OK	5
MW-19	Lead	1	ug/L	U	1	ug/L	OK	5
MW-19	Magnesium	5	mg/l		0.5	mg/l	OK	5
MW-19	Manganese	10	ug/L		10	ug/L	OK	20

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-19	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-19	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-19	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-19	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-19	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-19	Nitrate/Nitrite (as N)	1	ug/L		0.1	ug/L	OK	10
MW-19	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-19	Selenium	5	ug/L		5	ug/L	OK	20
MW-19	Silver	10	ug/L	U	10	ug/L	OK	20
MW-19	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-19	Sulfate	100	mg/l		1	mg/l	OK	100
MW-19	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-19	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-19	Tin	100	ug/L	U	100	ug/L	OK	20
MW-19	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-19	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-19	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-19	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-19	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-19	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-20	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-20	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-20	Ammonia (as N)	0.05	ug/L		0.05	ug/L	OK	1
MW-20	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-20	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-20	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-20	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-20	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-20	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-20	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-20	Carbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-20	Chloride	10	mg/l		1	mg/l	OK	10
MW-20	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-20	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-20	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-20	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-20	Copper	10	ug/L	U	10	ug/L	OK	20
MW-20	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-20	Gross Radium Alpha	0.515	pCi/L	U	1	pCi/L	OK	1
MW-20	Iron	30	ug/L		30	ug/L	OK	5
MW-20	Lead	1	ug/L	U	1	ug/L	OK	5
MW-20	Magnesium	5	mg/l		0.5	mg/l	OK	5
MW-20	Manganese	10	ug/L	U	10	ug/L	OK	20
MW-20	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-20	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-20	Molybdenum	10	ug/L		10	ug/L	OK	20
MW-20	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-20	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-20	Nitrate/Nitrite (as N)	1	ug/L		0.1	ug/L	OK	10
MW-20	Potassium	5	mg/l		0.5	mg/l	OK	5
MW-20	Selenium	5	ug/L	U	5	ug/L	OK	20
MW-20	Silver	10	ug/L	U	10	ug/L	OK	20
MW-20	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-20	Sulfate	500	mg/l		1	mg/l	OK	500

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-20	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-20	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-20	Tin	100	ug/L	U	100	ug/L	OK	20
MW-20	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-20	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-20	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-20	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-20	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-20	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-22	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-22	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-22	Ammonia (as N)	0.05	ug/L		0.05	ug/L	OK	1
MW-22	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-22	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-22	Beryllium	0.5	ug/L		0.5	ug/L	OK	5
MW-22	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-22	Cadmium	0.5	ug/L		0.5	ug/L	OK	20
MW-22	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-22	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-22	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-22	Chloride	10	mg/l		1	mg/l	OK	10
MW-22	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-22	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-22	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-22	Cobalt	10	ug/L		10	ug/L	OK	20
MW-22	Copper	10	ug/L		10	ug/L	OK	20
MW-22	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-22	Gross Radium Alpha	0.95	pCi/L		1	pCi/L	OK	1
MW-22	Iron	30	ug/L		30	ug/L	OK	5
MW-22	Lead	1	ug/L		1	ug/L	OK	5
MW-22	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-22	Manganese	50	ug/L		10	ug/L	OK	500
MW-22	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-22	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-22	Molybdenum	10	ug/L		10	ug/L	OK	20
MW-22	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-22	Nickel	20	ug/L		20	ug/L	OK	20
MW-22	Nitrate/Nitrite (as N)	1	ug/L		0.1	ug/L	OK	10
MW-22	Potassium	5	mg/l		0.5	mg/l	OK	5
MW-22	Selenium	5	ug/L		5	ug/L	OK	20
MW-22	Silver	10	ug/L	U	10	ug/L	OK	20
MW-22	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-22	Sulfate	1000	mg/l		1	mg/l	OK	1000
MW-22	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-22	Thallium	0.5	ug/L		0.5	ug/L	OK	5
MW-22	Tin	100	ug/L	U	100	ug/L	OK	20
MW-22	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-22	Total Dissolved Solids	100	mg/l		10	mg/l	OK	10
MW-22	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-22	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-22	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-22	Zinc	10	ug/L		10	ug/L	OK	20
MW-23	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-23	Acetone	20	ug/L	U	20	ug/L	OK	1

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-23	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-23	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-23	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-23	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-23	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-23	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-23	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-23	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-23	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-23	Chloride	1	mg/l		1	mg/l	OK	1
MW-23	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-23	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-23	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-23	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-23	Copper	10	ug/L	U	10	ug/L	OK	20
MW-23	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-23	Gross Radium Alpha	0.589	pCi/L		1	pCi/L	OK	1
MW-23	Iron	30	ug/L		30	ug/L	OK	5
MW-23	Lead	1	ug/L	U	1	ug/L	OK	5
MW-23	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-23	Manganese	10	ug/L		10	ug/L	OK	20
MW-23	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-23	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-23	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-23	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-23	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-23	Nitrate/Nitrite (as N)	0.1	ug/L		0.1	ug/L	OK	1
MW-23	Potassium	5	mg/l		0.5	mg/l	OK	5
MW-23	Selenium	5	ug/L	U	5	ug/L	OK	20
MW-23	Silver	10	ug/L	U	10	ug/L	OK	20
MW-23	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-23	Sulfate	500	mg/l		1	mg/l	OK	500
MW-23	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-23	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-23	Tin	100	ug/L	U	100	ug/L	OK	20
MW-23	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-23	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-23	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-23	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-23	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-23	Zinc	10	ug/L		10	ug/L	OK	20
MW-24	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-24	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-24	Ammonia (as N)	0.05	ug/L		0.05	ug/L	OK	1
MW-24	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-24	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-24	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-24	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-24	Cadmium	0.5	ug/L		0.5	ug/L	OK	20
MW-24	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-24	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-24	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-24	Chloride	10	mg/l		1	mg/l	OK	10
MW-24	Chloroform	1	ug/L	U	1	ug/L	OK	1

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-24	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-24	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-24	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-24	Copper	10	ug/L	U	10	ug/L	OK	20
MW-24	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-24	Gross Radium Alpha	0.944	pCi/L		1	pCi/L	OK	1
MW-24	Iron	100	ug/L		30	ug/L	OK	20
MW-24	Lead	1	ug/L	U	1	ug/L	OK	5
MW-24	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-24	Manganese	5	ug/L		10	ug/L	OK	50
MW-24	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-24	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-24	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-24	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-24	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-24	Nitrate/Nitrite (as N)	0.1	ug/L		0.1	ug/L	OK	1
MW-24	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-24	Selenium	5	ug/L	U	5	ug/L	OK	20
MW-24	Silver	10	ug/L	U	10	ug/L	OK	20
MW-24	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-24	Sulfate	500	mg/l		1	mg/l	OK	500
MW-24	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-24	Thallium	0.5	ug/L		0.5	ug/L	OK	5
MW-24	Tin	100	ug/L	U	100	ug/L	OK	20
MW-24	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-24	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-24	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-24	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-24	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-24	Zinc	10	ug/L		10	ug/L	OK	20
MW-25	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-25	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-25	Ammonia (as N)	0.05	ug/L		0.05	ug/L	OK	1
MW-25	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-25	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-25	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-25	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-25	Cadmium	0.5	ug/L		0.5	ug/L	OK	20
MW-25	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-25	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-25	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-25	Chloride	5	mg/l		1	mg/l	OK	5
MW-25	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-25	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-25	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-25	Cobalt	10	ug/L		10	ug/L	OK	20
MW-25	Copper	10	ug/L	U	10	ug/L	OK	20
MW-25	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-25	Gross Radium Alpha	0.941	pCi/L	U	1	pCi/L	OK	1
MW-25	Iron	30	ug/L	U	30	ug/L	OK	5
MW-25	Lead	1	ug/L	U	1	ug/L	OK	5
MW-25	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-25	Manganese	10	ug/L		10	ug/L	OK	20
MW-25	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-25	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-25	Molybdenum	10	ug/L		10	ug/L	OK	20
MW-25	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-25	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-25	Nitrate/Nitrite (as N)	0.1	ug/L	U	0.1	ug/L	OK	1
MW-25	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-25	Selenium	5	ug/L	U	5	ug/L	OK	20
MW-25	Silver	10	ug/L	U	10	ug/L	OK	20
MW-25	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-25	Sulfate	500	mg/l		1	mg/l	OK	500
MW-25	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-25	Thallium	0.5	ug/L		0.5	ug/L	OK	5
MW-25	Tin	100	ug/L	U	100	ug/L	OK	20
MW-25	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-25	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-25	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-25	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-25	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-25	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-26	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-26	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-26	Ammonia (as N)	0.05	ug/L		0.05	ug/L	OK	1
MW-26	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-26	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-26	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-26	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-26	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-26	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-26	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-26	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-26	Chloride	10	mg/l		1	mg/l	OK	10
MW-26	Chloroform	10	ug/L		1	ug/L	OK	10
MW-26	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-26	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-26	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-26	Copper	10	ug/L	U	10	ug/L	OK	20
MW-26	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-26	Gross Radium Alpha	0.943	pCi/L		1	pCi/L	OK	1
MW-26	Iron	100	ug/L		30	ug/L	OK	20
MW-26	Lead	1	ug/L	U	1	ug/L	OK	5
MW-26	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-26	Manganese	10	ug/L		10	ug/L	OK	20
MW-26	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-26	Methylene chloride	1	ug/L		1	ug/L	OK	1
MW-26	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-26	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-26	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-26	Nitrate/Nitrite (as N)	0.2	ug/L		0.1	ug/L	OK	2
MW-26	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-26	Selenium	5	ug/L		5	ug/L	OK	20
MW-26	Silver	10	ug/L	U	10	ug/L	OK	20
MW-26	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-26	Sulfate	500	mg/l		1	mg/l	OK	500
MW-26	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-26	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-26	Tin	100	ug/L	U	100	ug/L	OK	20
MW-26	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-26	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-26	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-26	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-26	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-26	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-27	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-27	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-27	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-27	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-27	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-27	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-27	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-27	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-27	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-27	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-27	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-27	Chloride	10	mg/l		1	mg/l	OK	10
MW-27	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-27	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-27	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-27	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-27	Copper	10	ug/L	U	10	ug/L	OK	20
MW-27	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-27	Gross Radium Alpha	0.956	pCi/L		1	pCi/L	OK	1
MW-27	Iron	30	ug/L	U	30	ug/L	OK	5
MW-27	Lead	1	ug/L	U	1	ug/L	OK	5
MW-27	Magnesium	5	mg/l		0.5	mg/l	OK	5
MW-27	Manganese	10	ug/L	U	10	ug/L	OK	20
MW-27	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-27	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-27	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-27	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-27	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-27	Nitrate/Nitrite (as N)	1	ug/L		0.1	ug/L	OK	10
MW-27	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-27	Selenium	5	ug/L		5	ug/L	OK	20
MW-27	Silver	10	ug/L	U	10	ug/L	OK	20
MW-27	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-27	Sulfate	100	mg/l		1	mg/l	OK	100
MW-27	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-27	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-27	Tin	100	ug/L	U	100	ug/L	OK	20
MW-27	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-27	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-27	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-27	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-27	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-27	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-28	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-28	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-28	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-28	Arsenic	5	ug/L		5	ug/L	OK	20
MW-28	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-28	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-28	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-28	Cadmium	0.5	ug/L		0.5	ug/L	OK	20
MW-28	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-28	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-28	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-28	Chloride	50	mg/l		1	mg/l	OK	50
MW-28	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-28	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-28	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-28	Cobalt	10	ug/L		10	ug/L	OK	20
MW-28	Copper	10	ug/L	U	10	ug/L	OK	20
MW-28	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-28	Gross Radium Alpha	0.966	pCi/L		1	pCi/L	OK	1
MW-28	Iron	30	ug/L	U	30	ug/L	OK	5
MW-28	Lead	1	ug/L	U	1	ug/L	OK	5
MW-28	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-28	Manganese	10	ug/L		10	ug/L	OK	20
MW-28	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-28	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-28	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-28	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-28	Nickel	20	ug/L		20	ug/L	OK	20
MW-28	Nitrate/Nitrite (as N)	0.1	ug/L		0.1	ug/L	OK	1
MW-28	Potassium	5	mg/l		0.5	mg/l	OK	5
MW-28	Selenium	5	ug/L	U	5	ug/L	OK	20
MW-28	Silver	10	ug/L	U	10	ug/L	OK	20
MW-28	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-28	Sulfate	500	mg/l		1	mg/l	OK	500
MW-28	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-28	Thallium	0.5	ug/L		0.5	ug/L	OK	5
MW-28	Tin	100	ug/L	U	100	ug/L	OK	20
MW-28	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-28	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-28	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-28	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-28	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-28	Zinc	10	ug/L		10	ug/L	OK	20
MW-29	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-29	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-29	Ammonia (as N)	0.05	ug/L		0.05	ug/L	OK	1
MW-29	Arsenic	5	ug/L		5	ug/L	OK	20
MW-29	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-29	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-29	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-29	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-29	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-29	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-29	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-29	Chloride	5	mg/l		1	mg/l	OK	5
MW-29	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-29	Chloromethane	1	ug/L	U	1	ug/L	OK	1

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-29	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-29	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-29	Copper	10	ug/L	U	10	ug/L	OK	20
MW-29	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-29	Gross Radium Alpha	0.898	pCi/L	U	1	pCi/L	OK	1
MW-29	Iron	100	ug/L		30	ug/L	OK	20
MW-29	Lead	1	ug/L	U	1	ug/L	OK	5
MW-29	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-29	Manganese	10	ug/L		10	ug/L	OK	100
MW-29	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-29	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-29	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-29	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-29	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-29	Nitrate/Nitrite (as N)	0.1	ug/L	U	0.1	ug/L	OK	1
MW-29	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-29	Selenium	5	ug/L	U	5	ug/L	OK	20
MW-29	Silver	10	ug/L	U	10	ug/L	OK	20
MW-29	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-29	Sulfate	500	mg/l		1	mg/l	OK	500
MW-29	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-29	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-29	Tin	100	ug/L	U	100	ug/L	OK	20
MW-29	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-29	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-29	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-29	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-29	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-29	Zinc	10	ug/L		10	ug/L	OK	20
MW-30	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-30	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-30	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-30	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-30	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-30	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-30	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-30	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-30	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-30	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-30	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-30	Chloride	50	mg/l		1	mg/l	OK	50
MW-30	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-30	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-30	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-30	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-30	Copper	10	ug/L	U	10	ug/L	OK	20
MW-30	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-30	Gross Radium Alpha	0.872	pCi/L		1	pCi/L	OK	1
MW-30	Iron	30	ug/L	U	30	ug/L	OK	5
MW-30	Lead	1	ug/L	U	1	ug/L	OK	5
MW-30	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-30	Manganese	10	ug/L		10	ug/L	OK	20
MW-30	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-30	Methylene chloride	1	ug/L	U	1	ug/L	OK	1

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-30	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-30	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-30	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-30	Nitrate/Nitrite (as N)	2	ug/L		0.1	ug/L	OK	20
MW-30	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-30	Selenium	5	ug/L		5	ug/L	OK	20
MW-30	Silver	10	ug/L	U	10	ug/L	OK	20
MW-30	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-30	Sulfate	50	mg/l		1	mg/l	OK	50
MW-30	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-30	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-30	Tin	100	ug/L	U	100	ug/L	OK	20
MW-30	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-30	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-30	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-30	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-30	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-30	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-31	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-31	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-31	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-31	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-31	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-31	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-31	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-31	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-31	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-31	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-31	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-31	Chloride	50	mg/l		1	mg/l	OK	50
MW-31	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-31	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-31	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-31	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-31	Copper	10	ug/L	U	10	ug/L	OK	20
MW-31	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-31	Gross Radium Alpha	0.938	pCi/L		1	pCi/L	OK	1
MW-31	Iron	30	ug/L	U	30	ug/L	OK	5
MW-31	Lead	1	ug/L	U	1	ug/L	OK	5
MW-31	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-31	Manganese	10	ug/L	U	10	ug/L	OK	20
MW-31	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-31	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-31	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-31	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-31	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-31	Nitrate/Nitrite (as N)	2	ug/L		0.1	ug/L	OK	20
MW-31	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-31	Selenium	5	ug/L		5	ug/L	OK	20
MW-31	Silver	10	ug/L	U	10	ug/L	OK	20
MW-31	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-31	Sulfate	50	mg/l		1	mg/l	OK	50
MW-31	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-31	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-31	Tin	100	ug/L	U	100	ug/L	OK	20
MW-31	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-31	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-31	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-31	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-31	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-31	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-32	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-32	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-32	Ammonia (as N)	0.05	ug/L		0.05	ug/L	OK	1
MW-32	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-32	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-32	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-32	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-32	Cadmium	0.5	ug/L		0.5	ug/L	OK	20
MW-32	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-32	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-32	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-32	Chloride	5	mg/l		1	mg/l	OK	5
MW-32	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-32	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-32	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-32	Cobalt	10	ug/L		10	ug/L	OK	20
MW-32	Copper	10	ug/L	U	10	ug/L	OK	20
MW-32	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-32	Gross Radium Alpha	0.945	pCi/L		1	pCi/L	OK	1
MW-32	Iron	500	ug/L		30	ug/L	OK	100
MW-32	Lead	1	ug/L	U	1	ug/L	OK	5
MW-32	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-32	Manganese	10	ug/L		10	ug/L	OK	100
MW-32	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-32	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-32	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-32	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-32	Nickel	20	ug/L		20	ug/L	OK	20
MW-32	Nitrate/Nitrite (as N)	0.1	ug/L	U	0.1	ug/L	OK	1
MW-32	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-32	Selenium	5	ug/L	U	5	ug/L	OK	20
MW-32	Silver	10	ug/L	U	10	ug/L	OK	20
MW-32	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-32	Sulfate	500	mg/l		1	mg/l	OK	500
MW-32	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-32	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-32	Tin	100	ug/L	U	100	ug/L	OK	20
MW-32	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-32	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-32	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-32	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-32	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-32	Zinc	10	ug/L		10	ug/L	OK	20
MW-35	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-35	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-35	Ammonia (as N)	0.05	ug/L		0.05	ug/L	OK	1
MW-35	Arsenic	5	ug/L	U	5	ug/L	OK	20

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-35	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-35	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-35	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-35	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-35	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-35	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-35	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-35	Chloride	10	mg/l		1	mg/l	OK	10
MW-35	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-35	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-35	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-35	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-35	Copper	10	ug/L	U	10	ug/L	OK	20
MW-35	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-35	Gross Radium Alpha	0.92	pCi/L		1	pCi/L	OK	1
MW-35	Iron	30	ug/L		30	ug/L	OK	5
MW-35	Lead	1	ug/L	U	1	ug/L	OK	5
MW-35	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-35	Manganese	10	ug/L		10	ug/L	OK	20
MW-35	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-35	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-35	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-35	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-35	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-35	Nitrate/Nitrite (as N)	0.1	ug/L	U	0.1	ug/L	OK	1
MW-35	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-35	Selenium	5	ug/L	U	5	ug/L	OK	20
MW-35	Silver	10	ug/L	U	10	ug/L	OK	20
MW-35	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-35	Sulfate	500	mg/l		1	mg/l	OK	500
MW-35	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-35	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-35	Tin	100	ug/L	U	100	ug/L	OK	20
MW-35	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-35	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-35	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-35	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-35	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-35	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-36	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-36	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-36	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-36	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-36	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-36	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-36	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-36	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-36	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-36	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-36	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-36	Chloride	10	mg/l		1	mg/l	OK	10
MW-36	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-36	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-36	Chromium	25	ug/L	U	25	ug/L	OK	20

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-36	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-36	Copper	10	ug/L		10	ug/L	OK	20
MW-36	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-36	Gross Radium Alpha	0.916	pCi/L		1	pCi/L	OK	1
MW-36	Iron	30	ug/L	U	30	ug/L	OK	5
MW-36	Lead	1	ug/L	U	1	ug/L	OK	5
MW-36	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-36	Manganese	10	ug/L	U	10	ug/L	OK	20
MW-36	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-36	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-36	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-36	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-36	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-36	Nitrate/Nitrite (as N)	0.1	ug/L		0.1	ug/L	OK	1
MW-36	Potassium	1	mg/l		0.5	mg/l	OK	1
MW-36	Selenium	5	ug/L		5	ug/L	OK	20
MW-36	Silver	10	ug/L	U	10	ug/L	OK	20
MW-36	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-36	Sulfate	500	mg/l		1	mg/l	OK	500
MW-36	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-36	Thallium	0.5	ug/L		0.5	ug/L	OK	5
MW-36	Tin	100	ug/L	U	100	ug/L	OK	20
MW-36	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-36	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-36	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-36	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-36	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-36	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-37	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-37	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-37	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-37	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-37	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-37	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-37	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-37	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-37	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-37	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-37	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-37	Chloride	10	mg/l		1	mg/l	OK	10
MW-37	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-37	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-37	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-37	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-37	Copper	10	ug/L	U	10	ug/L	OK	20
MW-37	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-37	Gross Radium Alpha	0.567	pCi/L	U	1	pCi/L	OK	1
MW-37	Iron	30	ug/L		30	ug/L	OK	5
MW-37	Lead	1	ug/L	U	1	ug/L	OK	5
MW-37	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-37	Manganese	10	ug/L		10	ug/L	OK	20
MW-37	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-37	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-37	Molybdenum	10	ug/L	U	10	ug/L	OK	20

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-37	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-37	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-37	Nitrate/Nitrite (as N)	0.1	ug/L		0.1	ug/L	OK	1
MW-37	Potassium	5	mg/l		0.5	mg/l	OK	5
MW-37	Selenium	5	ug/L		5	ug/L	OK	20
MW-37	Silver	10	ug/L	U	10	ug/L	OK	20
MW-37	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-37	Sulfate	500	mg/l		1	mg/l	OK	500
MW-37	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-37	Thallium	0.5	ug/L		0.5	ug/L	OK	5
MW-37	Tin	100	ug/L	U	100	ug/L	OK	20
MW-37	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-37	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-37	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-37	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-37	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-37	Zinc	10	ug/L		10	ug/L	OK	20
MW-65	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-65	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-65	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-65	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-65	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-65	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-65	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-65	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-65	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-65	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-65	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-65	Chloride	10	mg/l		1	mg/l	OK	10
MW-65	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-65	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-65	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-65	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-65	Copper	10	ug/L	U	10	ug/L	OK	20
MW-65	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-65	Gross Radium Alpha	0.902	pCi/L		1	pCi/L	OK	1
MW-65	Iron	30	ug/L	U	30	ug/L	OK	5
MW-65	Lead	1	ug/L	U	1	ug/L	OK	5
MW-65	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-65	Manganese	10	ug/L	U	10	ug/L	OK	20
MW-65	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-65	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-65	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-65	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-65	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-65	Nitrate/Nitrite (as N)	0.1	ug/L		0.1	ug/L	OK	1
MW-65	Potassium	5	mg/l		0.5	mg/l	OK	5
MW-65	Selenium	5	ug/L		5	ug/L	OK	20
MW-65	Silver	10	ug/L	U	10	ug/L	OK	20
MW-65	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-65	Sulfate	500	mg/l		1	mg/l	OK	500
MW-65	Tetrahydrofuran	1	ug/L	U	1	ug/L	OK	1
MW-65	Thallium	0.5	ug/L		0.5	ug/L	OK	5
MW-65	Tin	100	ug/L	U	100	ug/L	OK	20

G-5A Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-65	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-65	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-65	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-65	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-65	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-65	Zinc	10	ug/L	U	10	ug/L	OK	20
MW-70	2-Butanone	20	ug/L	U	20	ug/L	OK	1
MW-70	Acetone	20	ug/L	U	20	ug/L	OK	1
MW-70	Ammonia (as N)	0.05	ug/L	U	0.05	ug/L	OK	1
MW-70	Arsenic	5	ug/L	U	5	ug/L	OK	20
MW-70	Benzene	1	ug/L	U	1	ug/L	OK	1
MW-70	Beryllium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-70	Bicarbonate (as CaCO3)	1	mg/l		1	mg/l	OK	1
MW-70	Cadmium	0.5	ug/L	U	0.5	ug/L	OK	20
MW-70	Calcium	50	mg/l		0.5	mg/l	OK	50
MW-70	Carbon tetrachloride	1	ug/L	U	1	ug/L	OK	1
MW-70	Carbonate (as CaCO3)	1	mg/l	U	1	mg/l	OK	1
MW-70	Chloride	10	mg/l		1	mg/l	OK	10
MW-70	Chloroform	1	ug/L	U	1	ug/L	OK	1
MW-70	Chloromethane	1	ug/L	U	1	ug/L	OK	1
MW-70	Chromium	25	ug/L	U	25	ug/L	OK	20
MW-70	Cobalt	10	ug/L	U	10	ug/L	OK	20
MW-70	Copper	10	ug/L	U	10	ug/L	OK	20
MW-70	Fluoride	0.1	mg/l		0.1	mg/l	OK	1
MW-70	Gross Radium Alpha	0.976	pCi/L	U	1	pCi/L	OK	1
MW-70	Iron	30	ug/L	U	30	ug/L	OK	5
MW-70	Lead	1	ug/L	U	1	ug/L	OK	5
MW-70	Magnesium	50	mg/l		0.5	mg/l	OK	50
MW-70	Manganese	10	ug/L		10	ug/L	OK	20
MW-70	Mercury	0.5	ug/L	U	0.5	ug/L	OK	1
MW-70	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-70	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-70	Naphthalene	1	ug/L	U	1	ug/L	OK	1
MW-70	Nickel	20	ug/L	U	20	ug/L	OK	20
MW-70	Nitrate/Nitrite (as N)	0.1	ug/L		0.1	ug/L	OK	1
MW-70	Potassium	5	mg/l		0.5	mg/l	OK	5
MW-70	Selenium	5	ug/L		5	ug/L	OK	20
MW-70	Silver	10	ug/L	U	10	ug/L	OK	20
MW-70	Sodium	50	mg/l		0.5	mg/l	OK	50
MW-70	Sulfate	500	mg/l		1	mg/l	OK	500
MW-70	Tetrahydrofuran	1	ug/L		1	ug/L	OK	1
MW-70	Thallium	0.5	ug/L		0.5	ug/L	OK	5
MW-70	Tin	100	ug/L	U	100	ug/L	OK	20
MW-70	Toluene	1	ug/L	U	1	ug/L	OK	1
MW-70	Total Dissolved Solids	20	mg/l		10	mg/l	OK	2
MW-70	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-70	Vanadium	15	ug/L	U	15	ug/L	OK	1
MW-70	Xylenes, Total	1	ug/L	U	1	ug/L	OK	1
MW-70	Zinc	10	ug/L		10	ug/L	OK	20

U = Analyte was not detected.

G-5B Reporting Limit Check - Accelerated Samples

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
Trip Blank	Chloroform	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Chloroform	1	ug/L	U	1	ug/L	OK	1
Trip Blank	Methylene chloride	1	ug/L	U	1	ug/L	OK	1
MW-11	Manganese	10	ug/L		10	ug/L	OK	20
MW-11	Manganese	10	ug/L		10	ug/L	OK	20
MW-14	Manganese	10	ug/L		10	ug/L	OK	50
MW-14	Manganese	10	ug/L		10	ug/L	OK	50
MW-25	Cadmium	0.5	mg/L		0.5	ug/L	OK	20
MW-25	Chloride	5	ug/L		1	mg/l	OK	5
MW-25	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-25	Cadmium	0.5	mg/L		0.5	ug/L	OK	20
MW-25	Chloride	0.5	ug/L		1	mg/l	OK	5
MW-25	Fluoride	0.1	ug/L		0.1	mg/l	OK	1
MW-26	Chloride	10	mg/L		1	mg/l	OK	10
MW-26	Chloroform	50	ug/L		1	ug/L	OK	50
MW-26	Methylene chloride	1	ug/L		1	ug/L	OK	1
MW-26	Nitrate/Nitrite (as N)	0.5	ug/L		0.1	ug/L	OK	5
MW-26	Uranium	0.3	mg/L		0.3	ug/L	OK	2
MW-26	Chloride	1	mg/L		1	mg/l	OK	10
MW-26	Chloroform	50	ug/L		1	ug/L	OK	50
MW-26	Methylene chloride	1	ug/L		1	ug/L	OK	1
MW-26	Nitrate/Nitrite (as N)	0.5	ug/L		0.1	ug/L	OK	5
MW-26	Uranium	0.3	mg/L		0.3	ug/L	OK	2
MW-30	Chloride	50	mg/L		1	mg/l	OK	50
MW-30	Nitrate/Nitrite (as N)	1	ug/L		0.1	ug/L	OK	10
MW-30	Selenium	5	ug/L		5	ug/L	OK	20
MW-30	Uranium	0.3	mg/L		0.3	ug/L	OK	2
MW-30	Chloride	5	mg/L		1	mg/l	OK	50
MW-30	Nitrate/Nitrite (as N)	2	ug/L		0.1	ug/L	OK	20
MW-30	Selenium	5	ug/L		5	ug/L	OK	20
MW-31	Chloride	50	mg/L		1	mg/l	OK	50
MW-31	Nitrate/Nitrite (as N)	5	mg/L		0.1	ug/L	OK	50
MW-31	Selenium	5	mg/L		5	ug/L	OK	20
MW-31	Sulfate	50	ug/L		1	mg/l	OK	50
MW-31	Total Dissolved Solids	20	mg/L		10	mg/l	OK	2
MW-31	Chloride	10	MG/L		1	mg/l	OK	100
MW-31	Nitrate/Nitrite (as N)	2	mg/L		0.1	ug/L	OK	20
MW-31	Selenium	5	mg/L		5	ug/L	OK	20
MW-31	Sulfate	75	ug/L		1	mg/l	OK	100
MW-31	Total Dissolved Solids	20	mg/L		10	mg/l	OK	2
MW-35	Gross Radium Alpha	0.835	MG/L		1	pCi/L	OK	1
MW-35	Manganese	10	ug/L		10	ug/L	OK	20
MW-35	Molybdenum	10	ug/L	U	10	ug/L	OK	20
MW-35	Selenium	5	ug/L		5	ug/L	OK	20
MW-35	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-35	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-35	Manganese	10	pCi/L		10	ug/L	OK	20
MW-35	Selenium	5	ug/L	U	5	ug/L	OK	20
MW-35	Thallium	0.5	ug/L	U	0.5	ug/L	OK	5
MW-35	Uranium	0.3	ug/L		0.3	ug/L	OK	2
MW-35	Gross Radium Alpha	0.319	ug/L		1	pCi/L	OK	1
MW-65	Chloride	50	ug/L		1	mg/l	OK	50
MW-65	Nitrate/Nitrite (as N)	2	pCi/L		0.1	ug/L	OK	20

G-5B Reporting Limit Check - Accelerated Samples

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Required Reporting Limit	Units	RL Check	DILUTION FACTOR
MW-65	Selenium	5	ug/L		5	ug/L	OK	20
MW-65	Sulfate	50	mg/L		1	mg/l	OK	50
MW-65	Total Dissolved Solids	20	ug/L		10	mg/l	OK	2
MW-65	Manganese	25	ug/L		10	ug/L	OK	50

U = Value was reported as nondetected.

G-6A: Trip Blank Evaluation

All trip blanks for the Quarter were non detect.

Blank	Sample Date	Laboratory
1	11/18/2013	American West Analytical Laboratories
2	12/3/2013	American West Analytical Laboratories
3	12/9/2013	American West Analytical Laboratories
4	12/18/2013	American West Analytical Laboratories

G-6B: Trip Blank Evaluation

All trip blanks for the Accelerated samples were non detect.

Blank	Sample Date	Laboratory
1	10/22/2013	American West Analytical Laboratories
2	12/18/2013	American West Analytical Laboratories

G-7A: QA/QC Evaluation for Routine Sample Duplicates

Constituent	MW-36	MW-65	%RPD
Bicarbonate as HCO3	301	286	5.11
Calcium	423	422	0.24
Chloride (mg/L)	54.7	59	7.56
Copper	10.4	ND	NC
Fluoride (mg/L)	0.35	0.297	16.38
Magnesium	130	131	0.77
Nitrate + Nitrite (as N)	0.208	0.209	0.48
Potassium	10.1	9.45	6.65
Selenium	23.5	23.3	0.85
Sodium	669	665	0.60
Sulfate (mg/L)	2480	2550	2.78
TDS (mg/L)	4520	4860	7.25
Thallium	0.575	0.583	1.38
Uranium	24.3	26.7	9.41
Radiologic Duplicate Tests			
Gross Alpha minus Rn & U*	1.42	1.94	0.546
Gross Alpha minus Rn & U Precision (±)	0.361	0.41	

* Duplicate checks reported for gross alpha minus RN and U are not %RPD.
Calculated values are based on the formula in the approved QAP.

Constituent	MW-03	MW-70	%RPD
Bicarbonate as HCO3	312	319	2.22
Calcium	425	396	7.06
Chloride (mg/L)	63.8	61.8	3.18
Fluoride (mg/L)	1.28	1.13	12.45
Magnesium	239	223	6.93
Manganese	0.975	0.876	10.70
Nitrate + Nitrite (as N)	1.21	1.24	2.45
Potassium	23.3	21.7	7.11
Selenium	32.8	29.9	9.25
Sodium	785	722	8.36
Sulfate (mg/L)	3760	3430	9.18
TDS (mg/L)	5860	6140	4.67
Thallium	1.1	0.991	10.43
Uranium	37	34.2	7.87
Zinc	20.3	18.2	10.91
Radiologic Duplicate Tests			
Gross Alpha minus Rn & U*	1.0 U	1.0 U	NC

* Duplicate checks reported for gross alpha minus RN and U are not %RPD.

G-7B: QA/QC Evaluation for Accelerated Sample Duplicates

Constituent	MW-31 10/23/2013	MW-65 10/23/2013	%RPD*
Nitrate + Nitrite (as N) (mg/L)	21.2	23.3	9.44
Selenium	80.7	82.8	2.57
Chloride (mg/L)	188	184	2.15
TDS (mg/L)	1460	1510	3.37
Sulfate (mg/L)	637	631	0.95
Constituent	**MW-14 12/18/2013**	**MW-65 12/18/2013**	**%RPD**
Manganese	2030	2190	7.58

G-8A: Radiologics Counting Error

Well	Gross Alpha minus Rn & U	Gross Alpha minus Rn and U Precision (+/-)	Counting Error ≤ 20%	GWCL	Within GWCL?
MW-01	<1.0	0.318	NC	3.75	NC
MW-02	<1.0	0.29	NC	3.2	NC
MW-03	<1.0	0.295	NC	1	NC
MW-03A	1.29	0.366	N	7.5	Y
MW-05	1.64	0.419	N	3.75	Y
MW-11	<1.0	0.279	NC	3.75	NC
MW-12	<1.0	0.265	NC	7.5	NC
MW-14	<1.0	0.288	NC	7.5	NC
MW-15	<1.0	0.252	NC	7.5	NC
MW-17	1.52	0.406	N	2.8	Y
MW-18	<1.0	0.300	NC	7.5	NC
MW-19	<1.0	0.303	NC	2.36	NC
MW-20	<1.0	0.144	NC	--	
MW-22	7.45	0.642	Y	--	
MW-23	1.23	0.282	N	2.86	Y
MW-24	2.01	0.433	N	7.5	Y
MW-25	<1.0	0.268	NC	7.5	NC
MW-26	3.29	0.545	Y	4.69	Y
MW-27	1.28	0.362	N	2	Y
MW-28	1.31	0.377	N	2.42	Y
MW-29	<1.0	0.298	NC	2	NC
MW-30	1.05	0.342	N	3.75	Y
MW-31	1.32	0.354	N	7.5	Y
MW-32	1.86	0.389	N	3.33	Y
MW-35	5.39	0.581	Y	3.75	NA
MW-36	1.42	0.361	N	--	
MW-37	<1.0	0.237	NC	--	
MW-65	1.94	0.41	N	--	
MW-70	<1.0	0.238	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	10/23/2013	3.73	0.497	Y	3.75	Y
MW-35	12/17/2013	4.74	0.407	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.

G-9A: Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD	RPD Range
1311470	MW-65 (MW-36)	Calcium*	NC	NC	75-125	NC	20
1311470	MW-65 (MW-36)	Magnesium*	NC	NC	75-125	NC	20
1311470	MW-65 (MW-36)	Sodium*	NC	NC	75-125	NC	20
1311470	MW-65 (MW-36)	Selenium	142	93	75-125	20.9	20
1311470	MW-11	Sodium*	NC	NC	75-125	NC	20
1311470	MW-65 (MW-36)	Arsenic	120	95.4	75-125	22.5	20
1311470	MW-65 (MW-36)	Chromium	118	92.3	75-125	24.1	20
1311470	MW-65 (MW-36)	Cobalt	114	92.0	75-125	21.1	20
1311470	MW-65 (MW-36)	Copper	114	90.8	75-125	22.4	20
1311470	MW-65 (MW-36)	Iron	117	93.0	75-125	23.3	20
1311470	MW-65 (MW-36)	Manganese	115	92.4	75-125	21.6	20
1311470	MW-65 (MW-36)	Nickel	117	91.2	75-125	24.2	20
1311470	MW-65 (MW-36)	Zinc	118	94.8	75-125	21.3	20
1311470	MW-30	Ammonia	87.3	87	90 - 110	0.287	10
1311470	MW-11	Tetrahydrofuran	151	124	41 - 131	19.8	25
1312162	MW-01	Calcium*	NC	NC	75-125	NC	20
1312162	MW-01	Magnesium*	NC	NC	75-125	NC	20
1312162	MW-01	Sodium*	NC	NC	75-125	NC	20
1312162	MW-01	Ammonia	91.7	89	90 - 110	2.86	10
1312280	MW-03	Calcium*	NC	NC	75-125	NC	20
1312280	MW-03	Magnesium*	NC	NC	75-125	NC	20
1312280	MW-03	Sodium*	NC	NC	75-125	NC	20
1312280	MW-03	Manganese	54.2	114	90 - 110	10.5	10
1312280	MW-03	Ammonia	122.0	90.1	90 - 110	5.9	10
1312280	MW-22	Nitrate/Nitrite as N	122	117	90 - 110	3.45	10
1312464	MW-20	Calcium*	NC	NC	75-125	NC	20
1312464	MW-20	Sodium*	NC	NC	75-125	NC	20
1312464	MW-23	Nitrate/Nitrite as N	111	114	90 - 110	1.77	10

* Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike amount

G-9B: Accelerated Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD %	RPD Range %
1310537 - OctoberAccelerated	MW-31	Nitrate+Nitrite (as N)	103	115	90 - 110	8.08	10
1312465 - December Accelerated	MW-65 (MW-14)	Manganese*	NC	NC	75-125	NC	20
1312465 - December Accelerated	MW-26	Nitrate+Nitrite (as N)	124	121	90 - 110	2.10	10

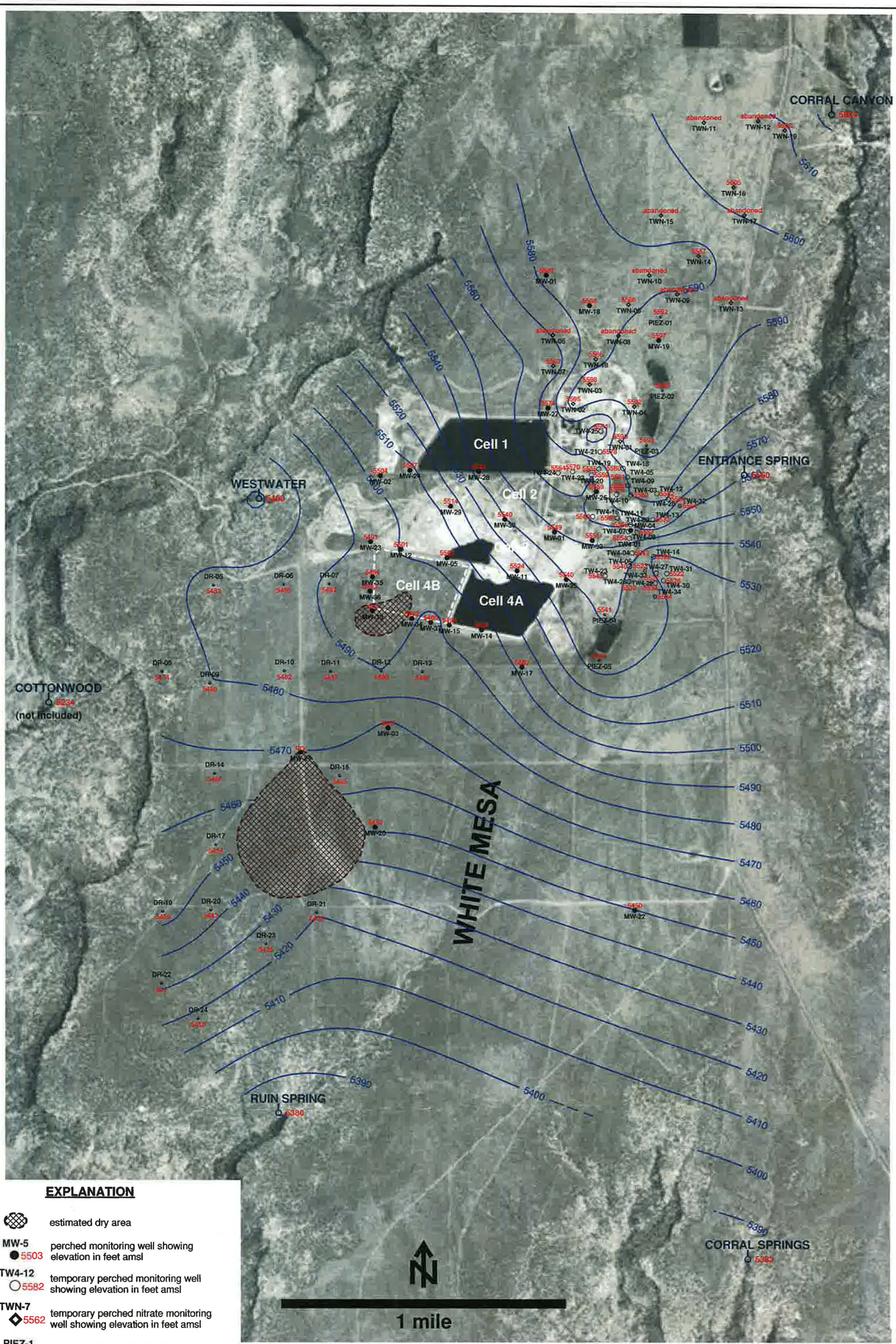
* Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike amount

Laboratory Duplicate % Recovery Comparison

Lab Report	Well	Analyte	Sample Result (mg/L)	Lab Duplicate Result (mg/L)	RPD %	RPD Range %
1310537	MW-31	TDS	1550	1460	6.13	5
1312465	MW-31	TDS	1420	1500	6.03	5

Tab H

Kriged Current Quarterly Groundwater Contour Map



NOTE: MW-4, MW-26, TW4-4, TW4-19, and TW4-20 are chloroform pumping wells; TW4-22, TW4-24, TW4-25, and TWN-2 are nitrate pumping wells

HYDRO GEO CHEM, INC.

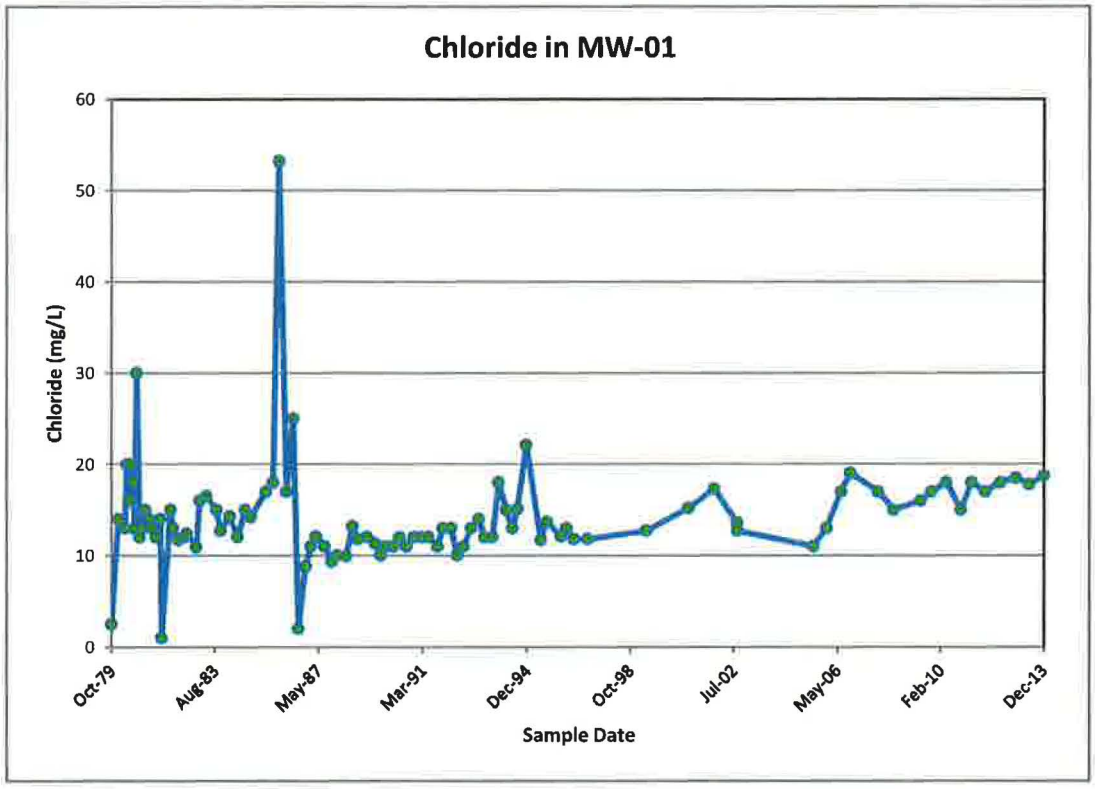
KRIGED 4th QUARTER, 2013 WATER LEVELS WHITE MESA SITE

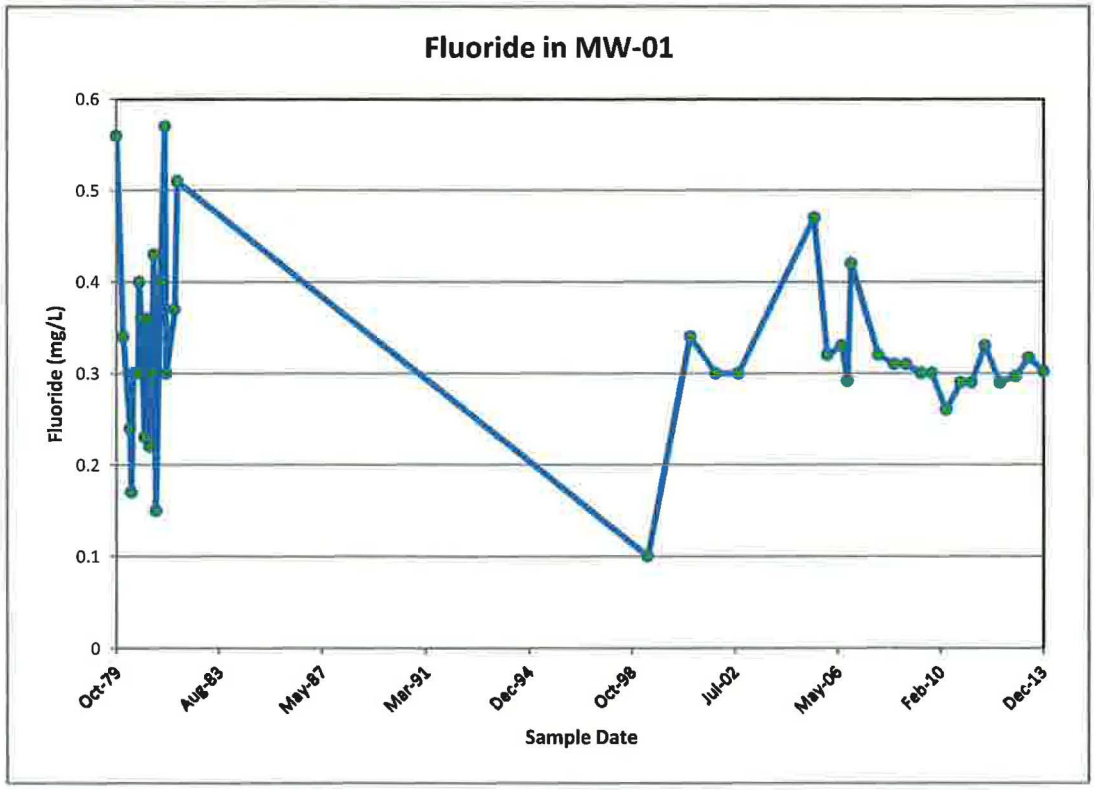
APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/feb14/Uwl1213.srf	H-1

Tab I

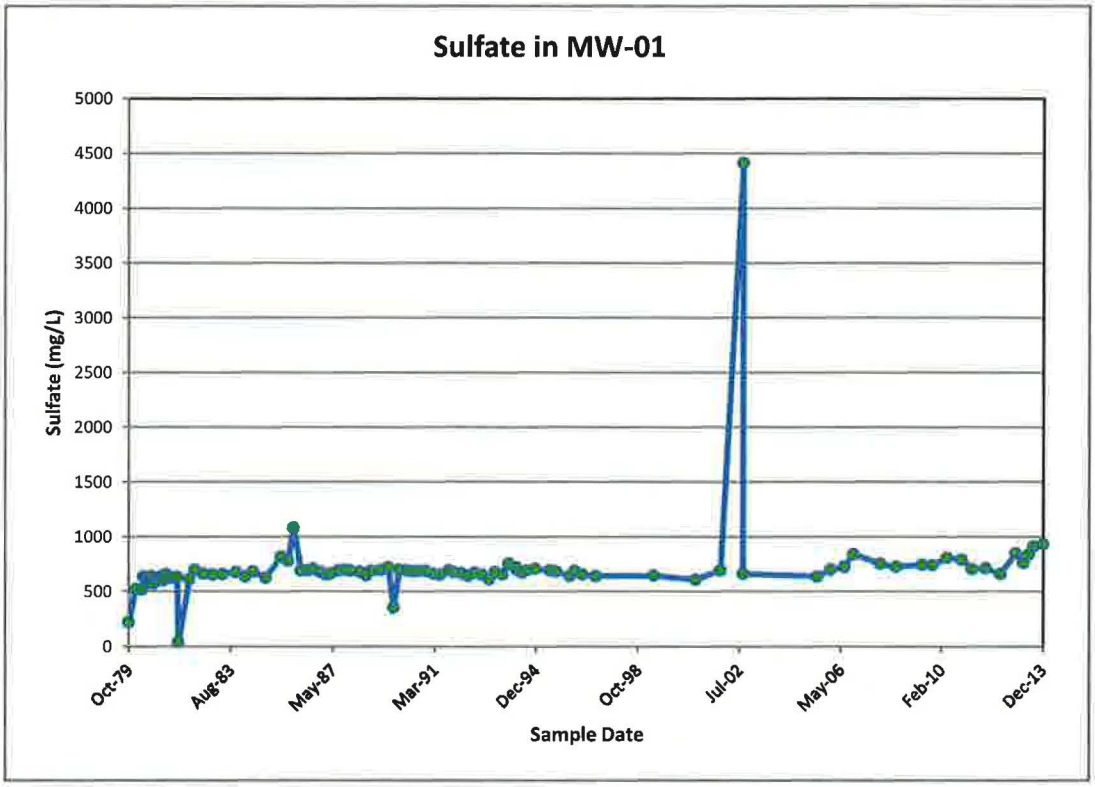
Groundwater Time Concentration Plots

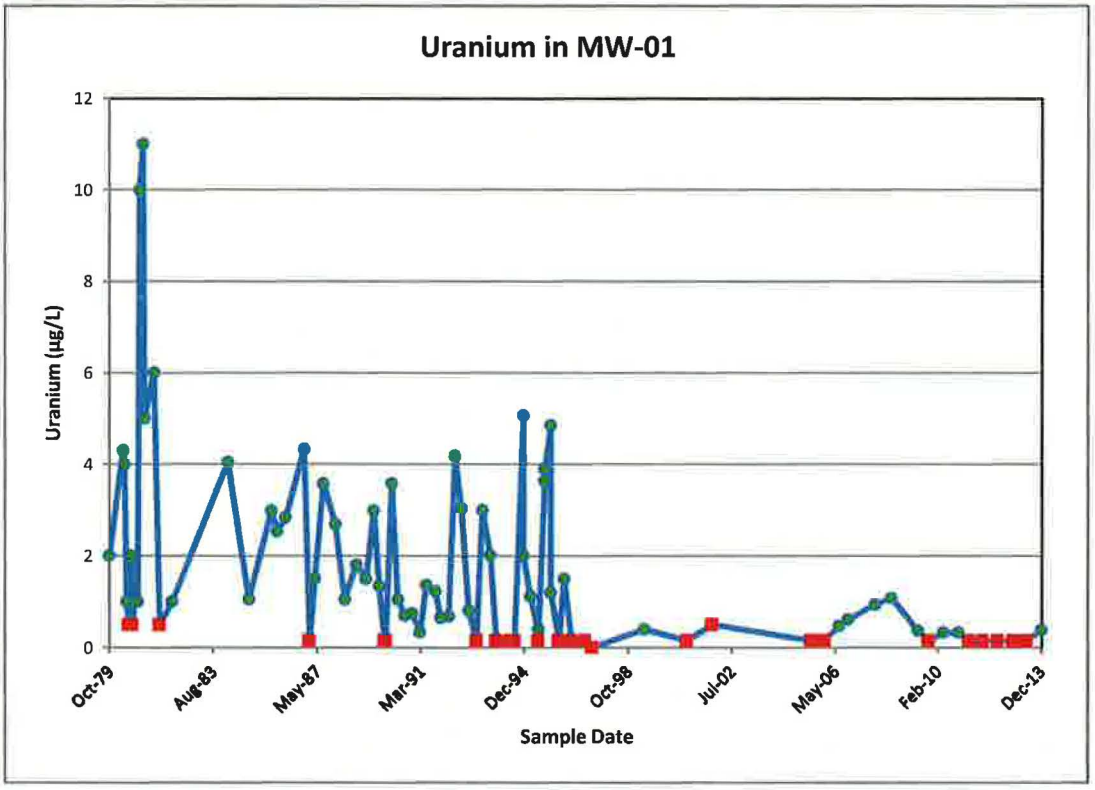
Time concentration plots for MW-01



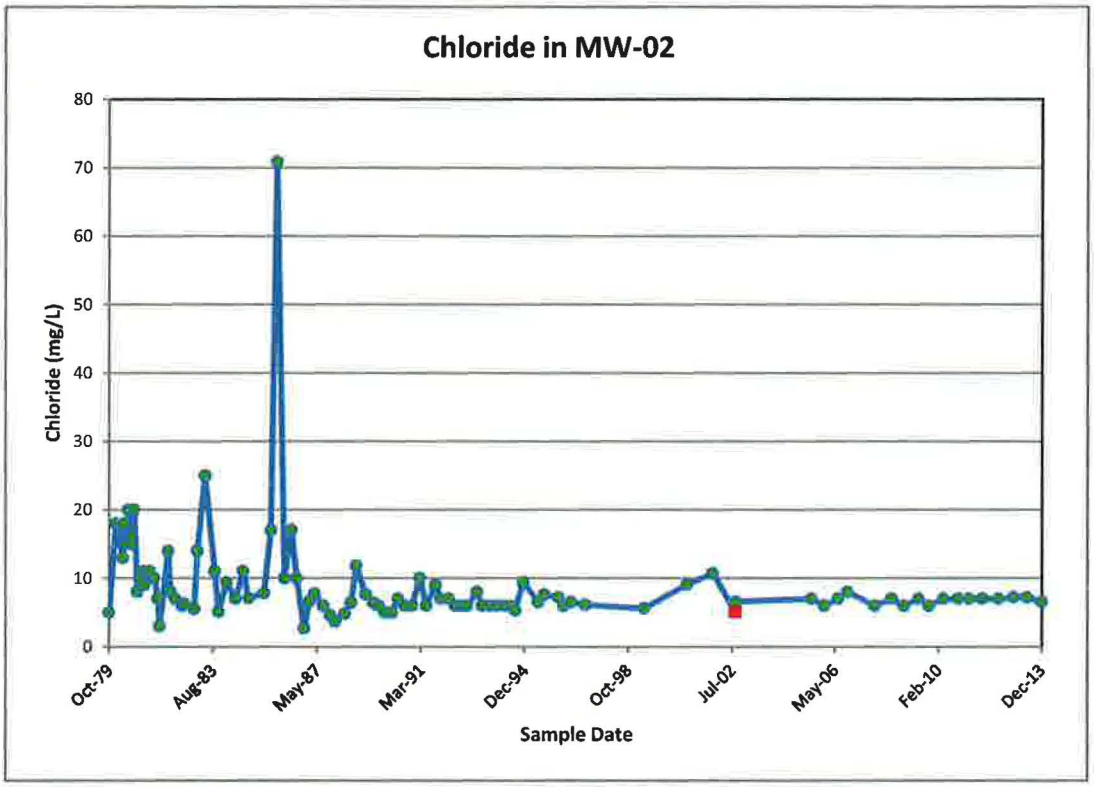


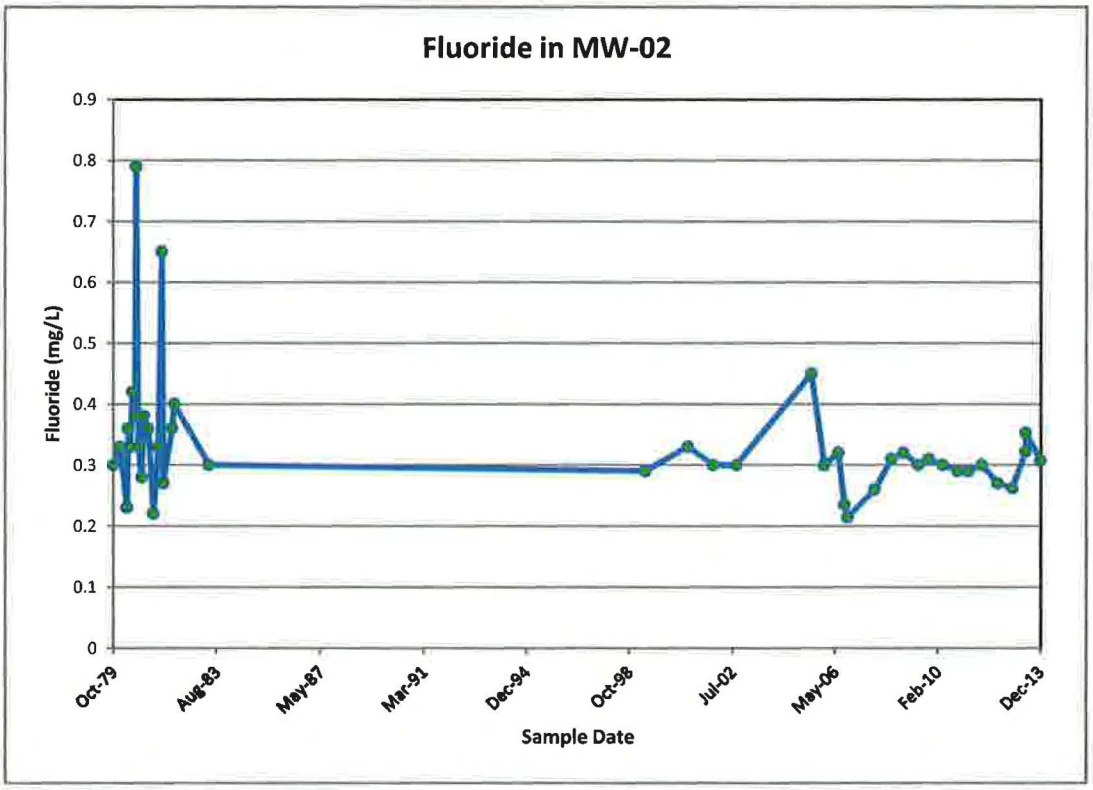
Time concentration plots for MW-01



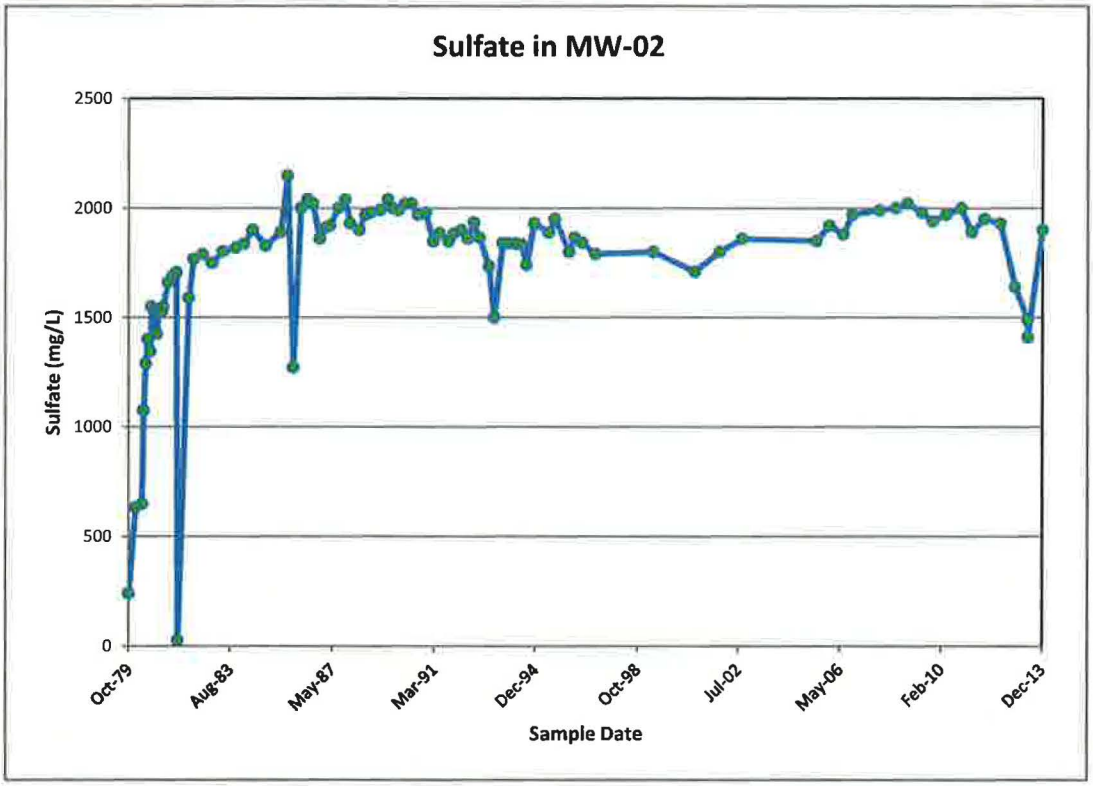


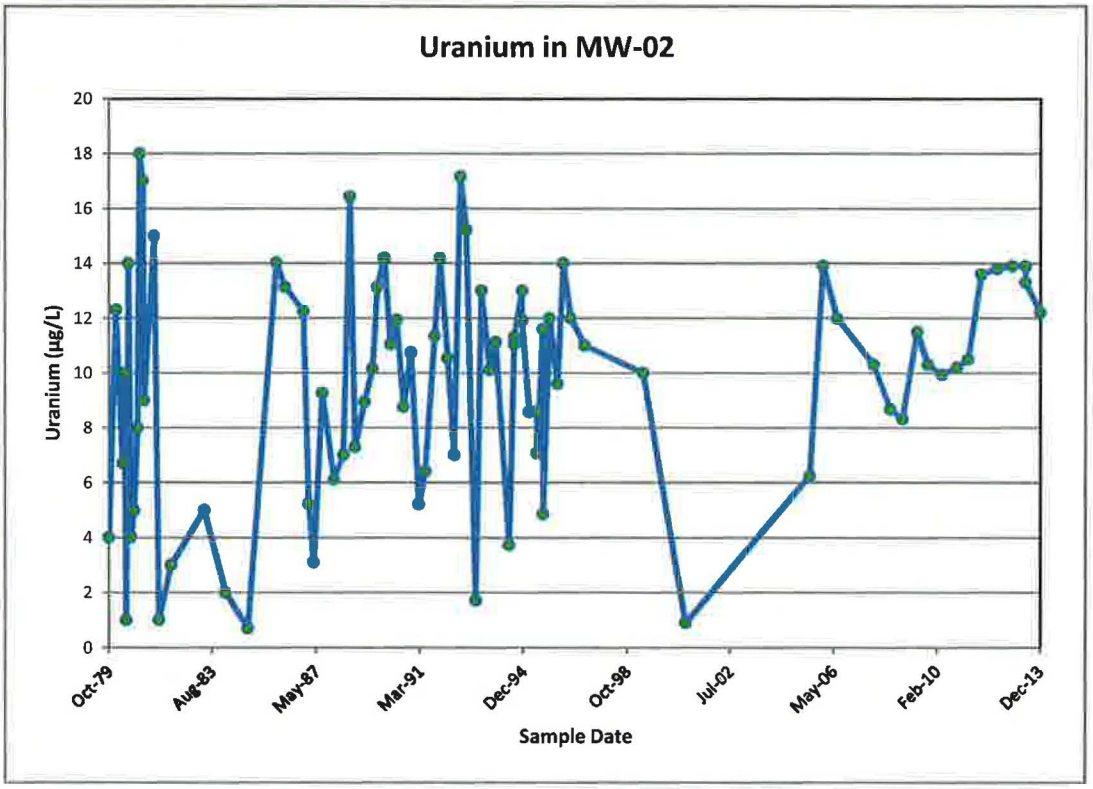
Time concentration plots for MW-02





Time concentration plots for MW-02

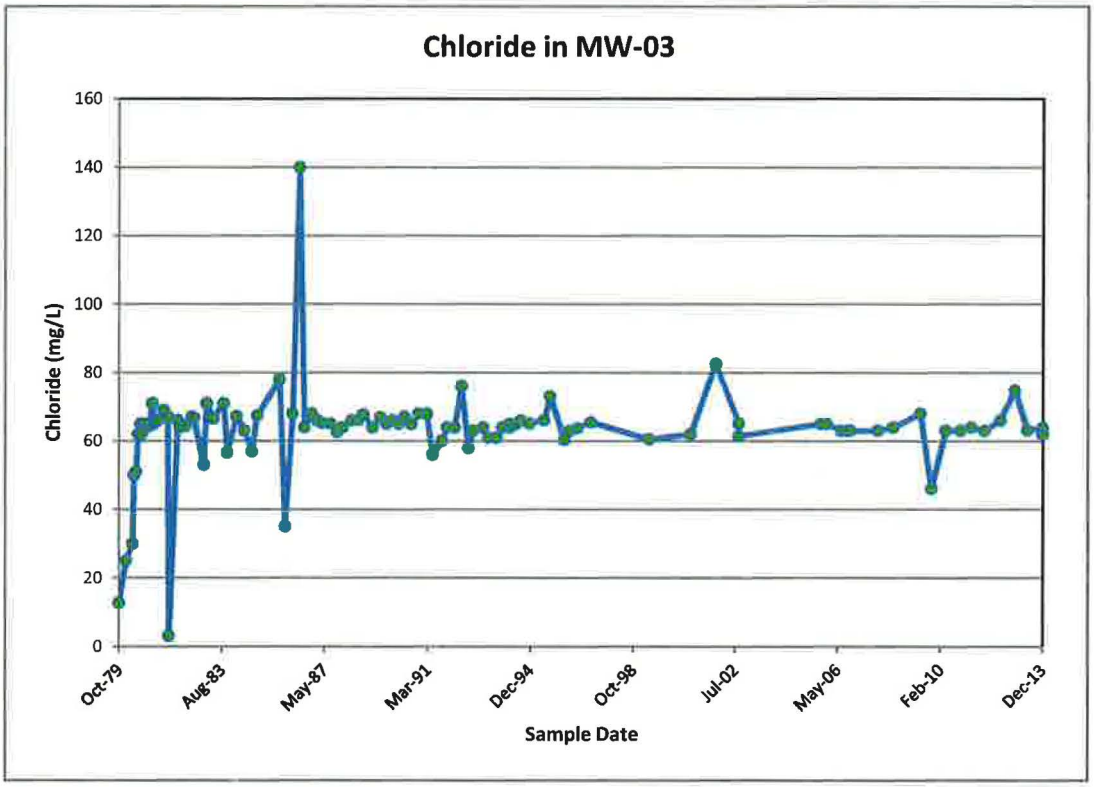


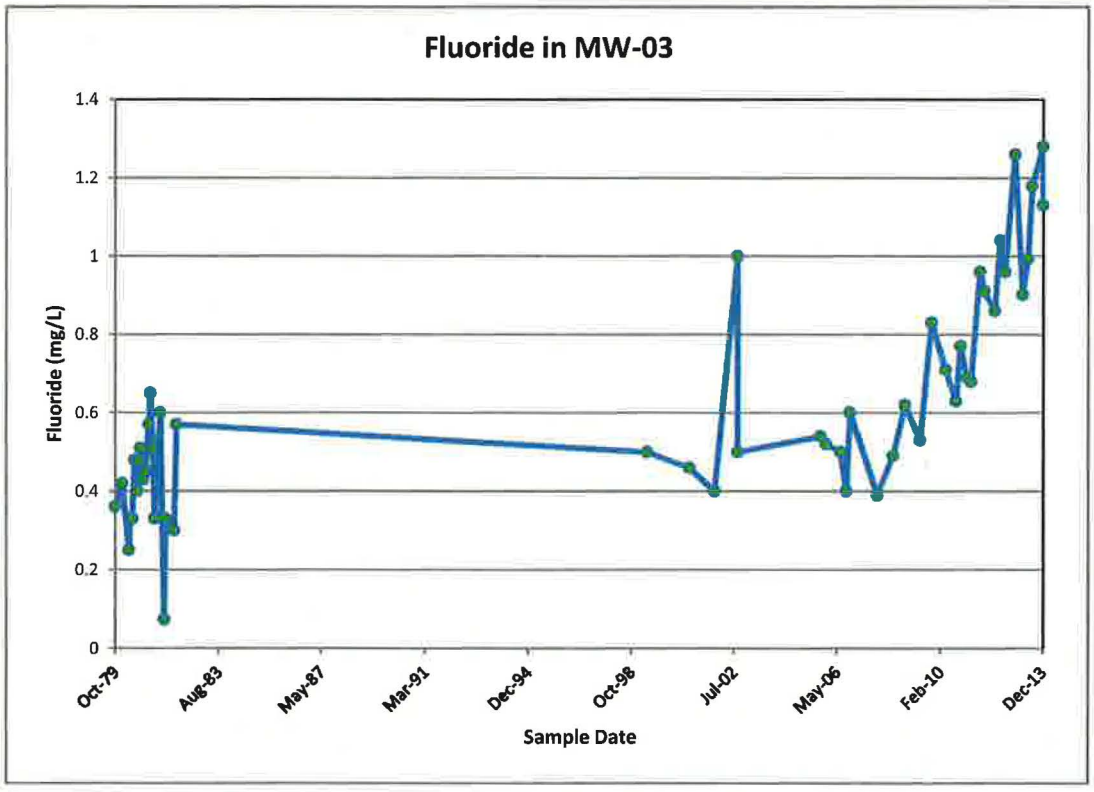


Detected Values

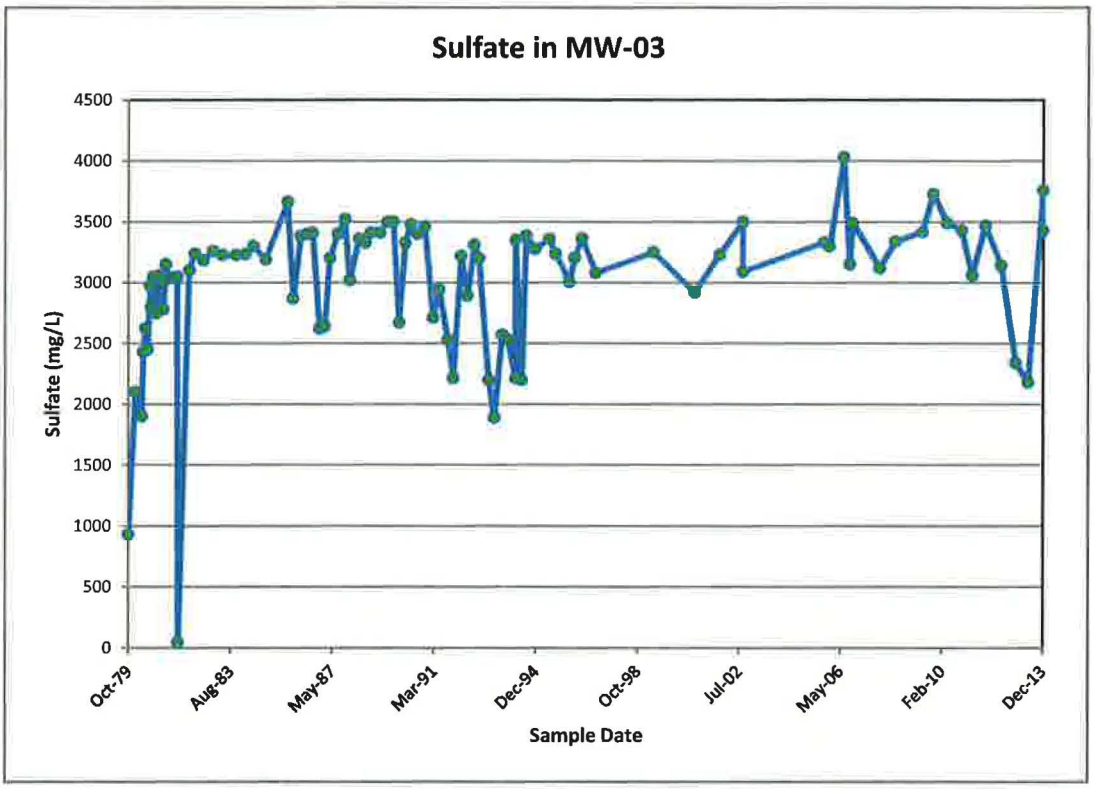
Non-Detected Values

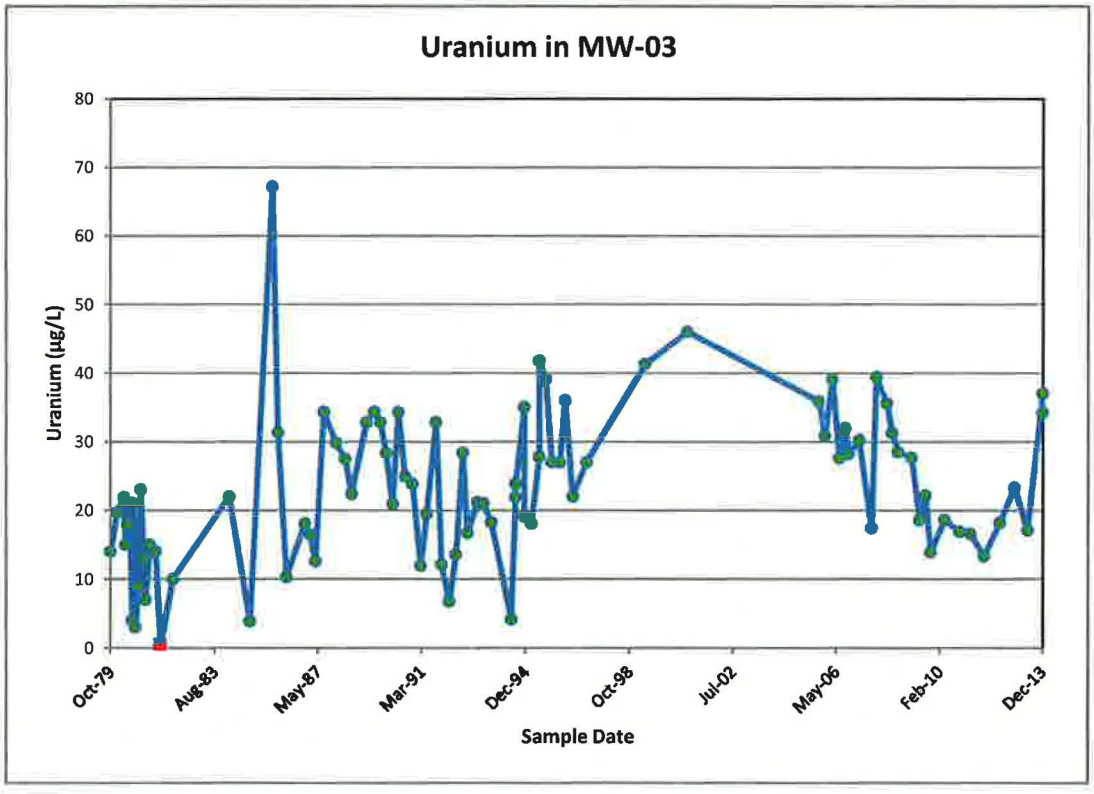
Time concentration plots for MW-03





Time concentration plots for MW-03

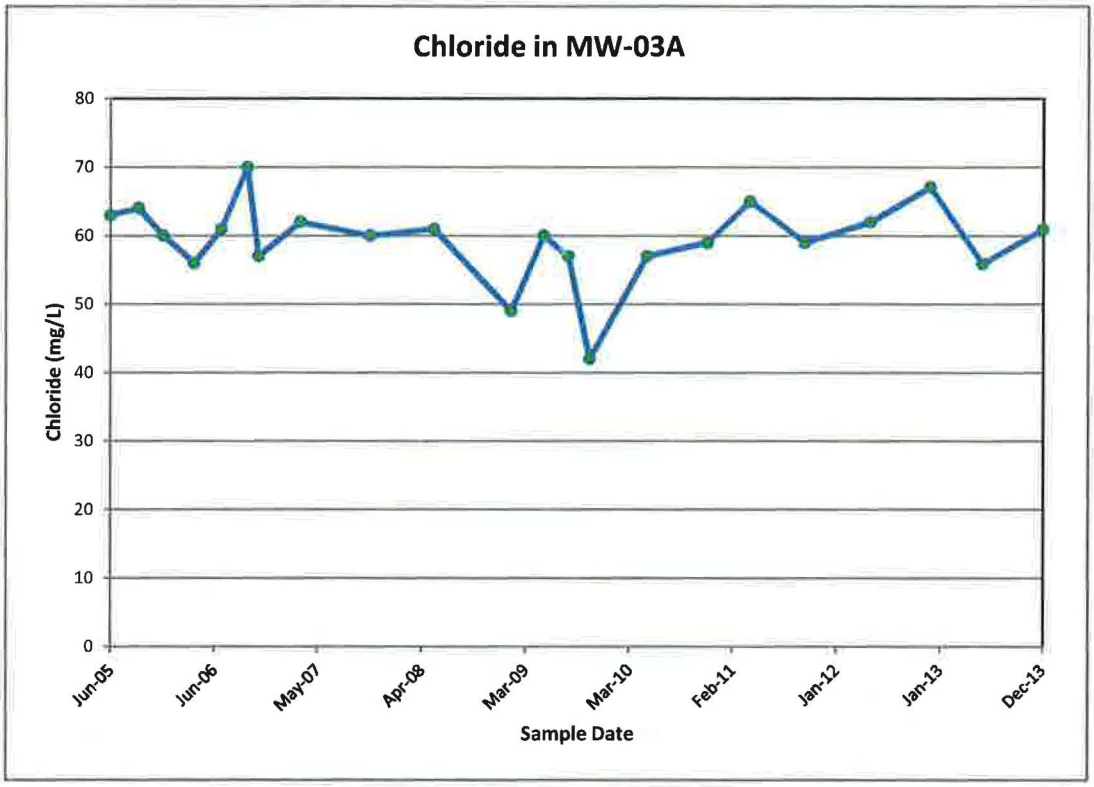


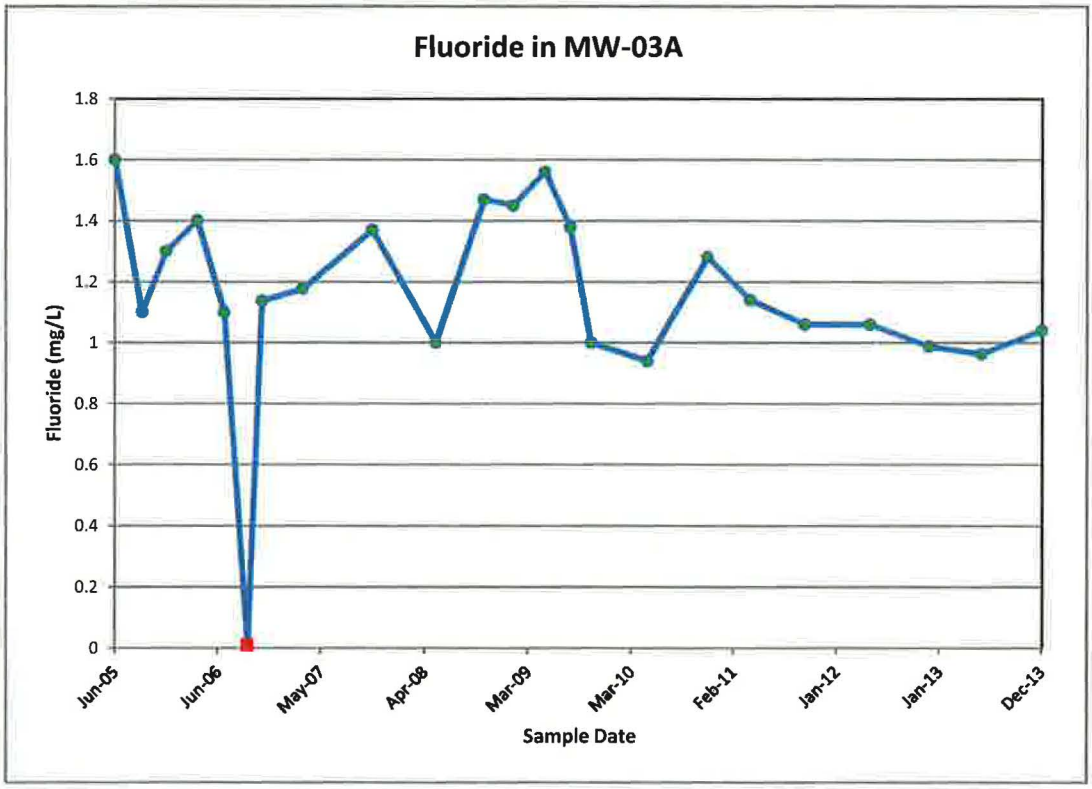


Detected Values

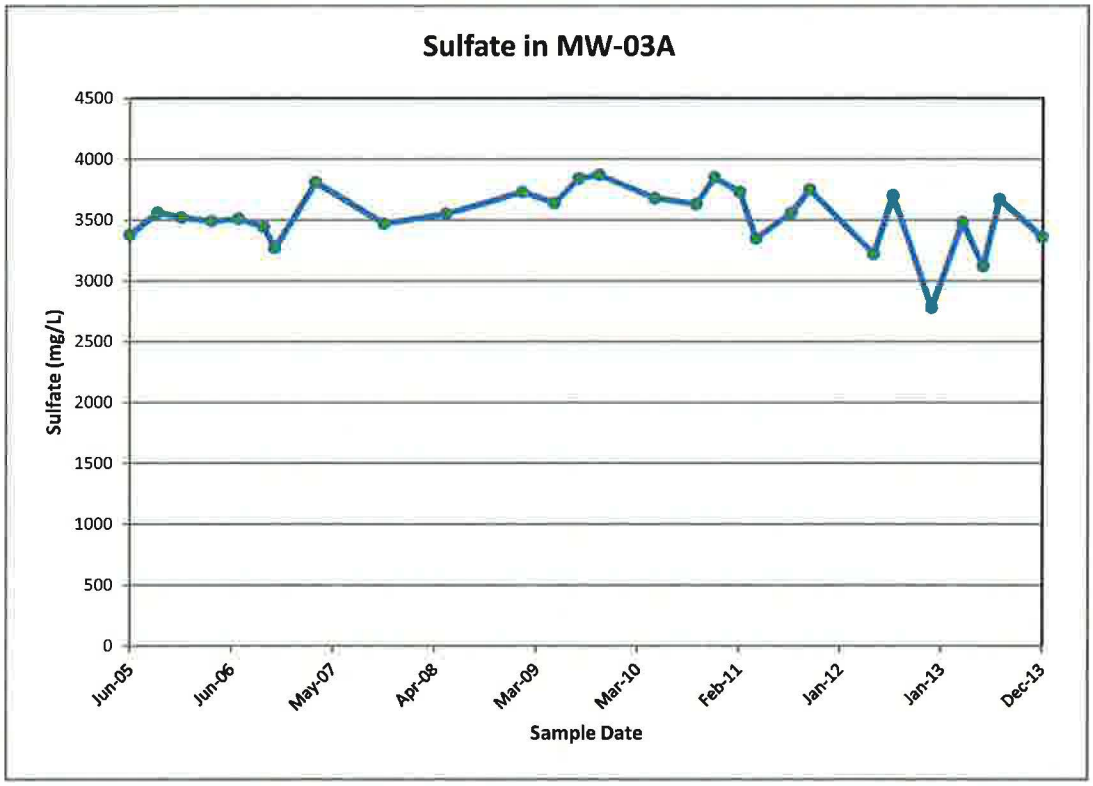
Non-Detected Values

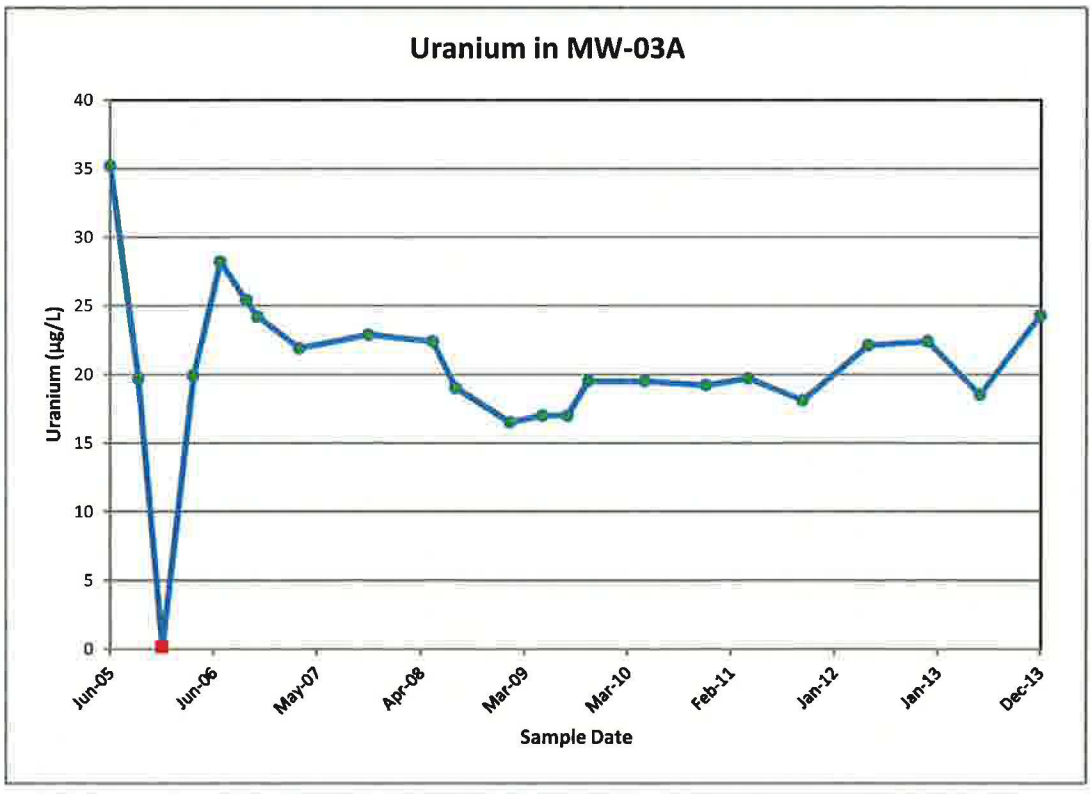
Time concentration plots for MW-03A



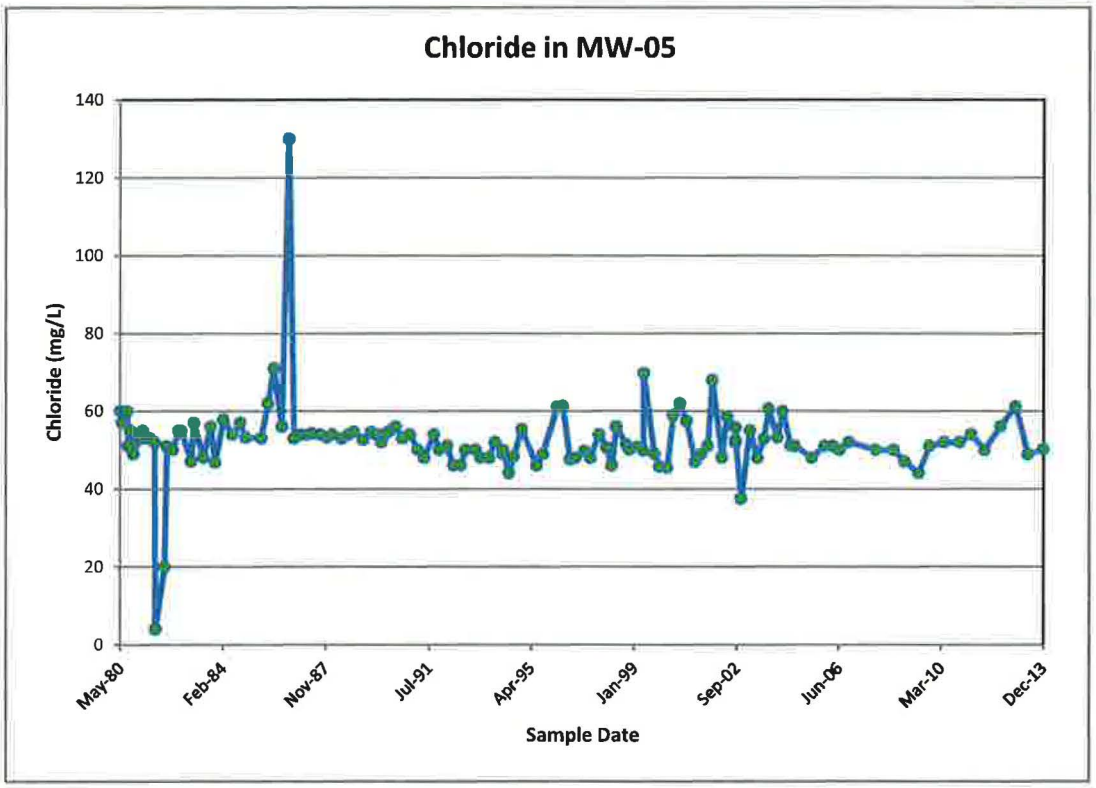


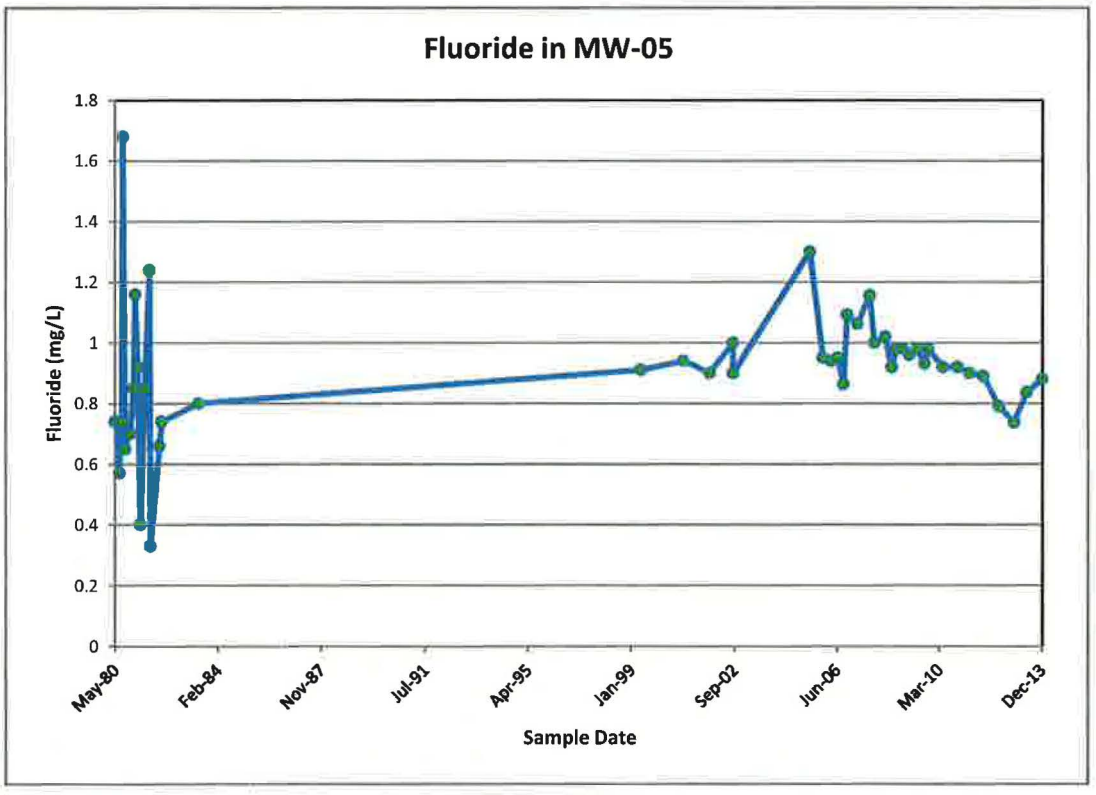
Time concentration plots for MW-03A



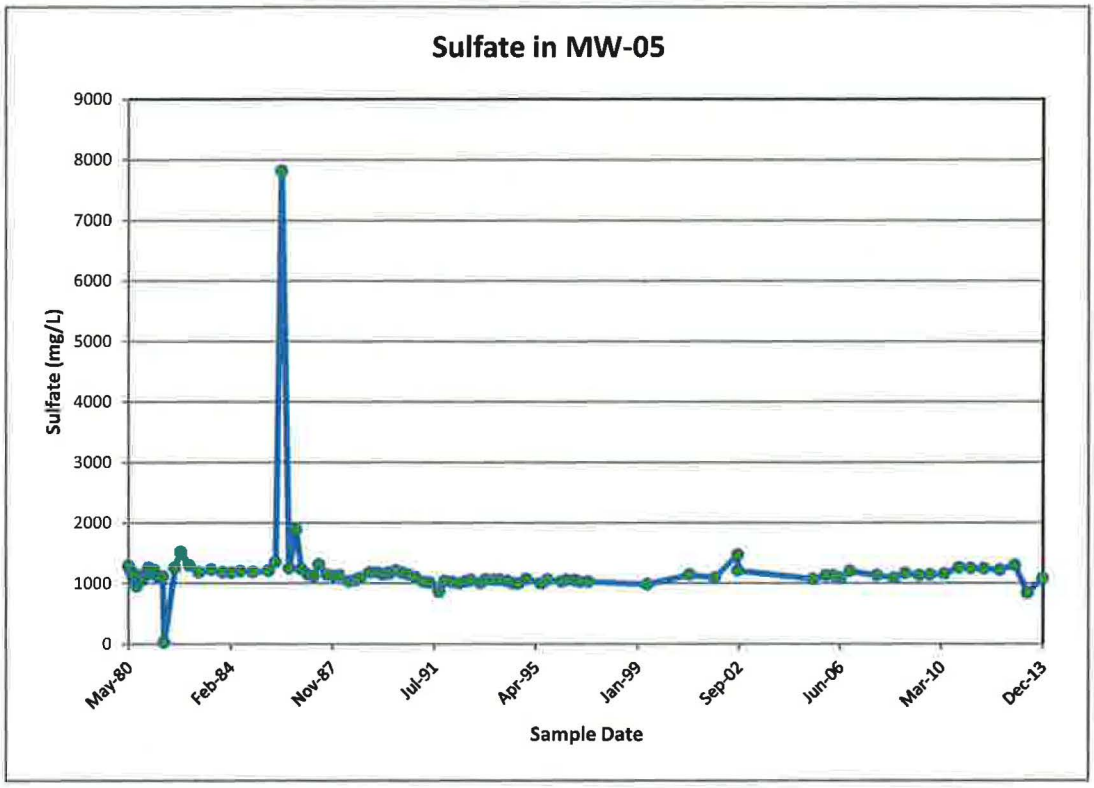


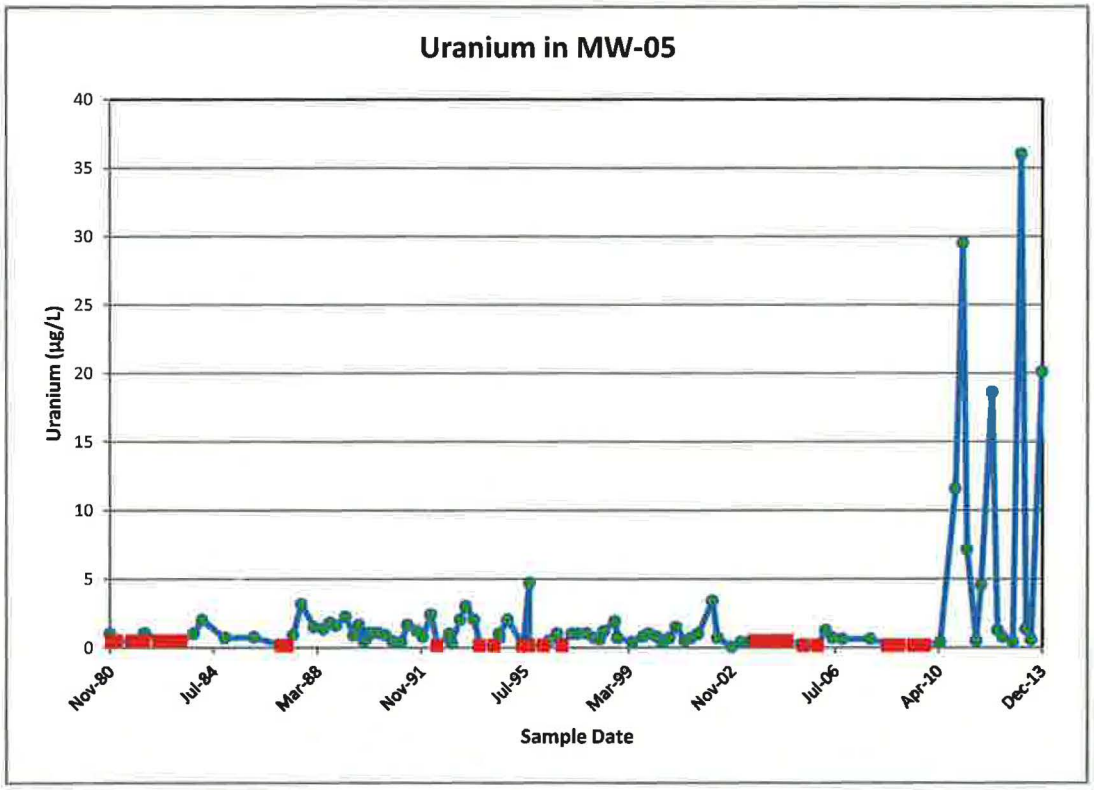
Time concentration plots for MW-05



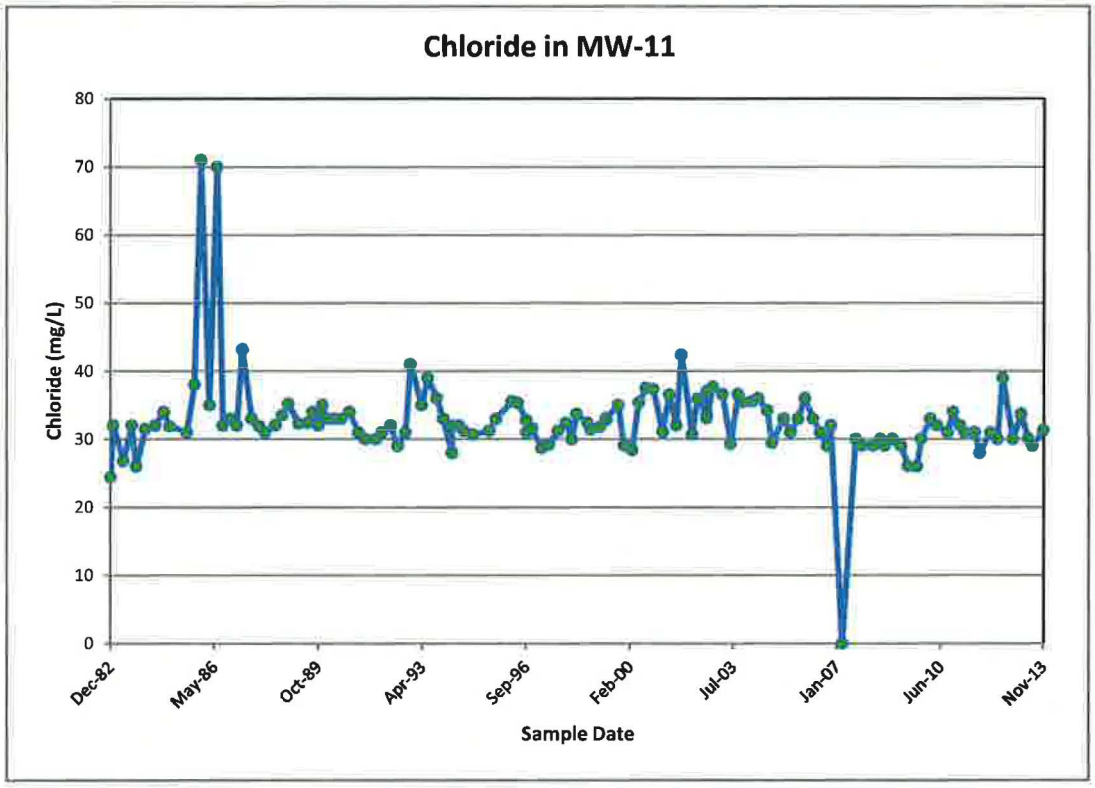


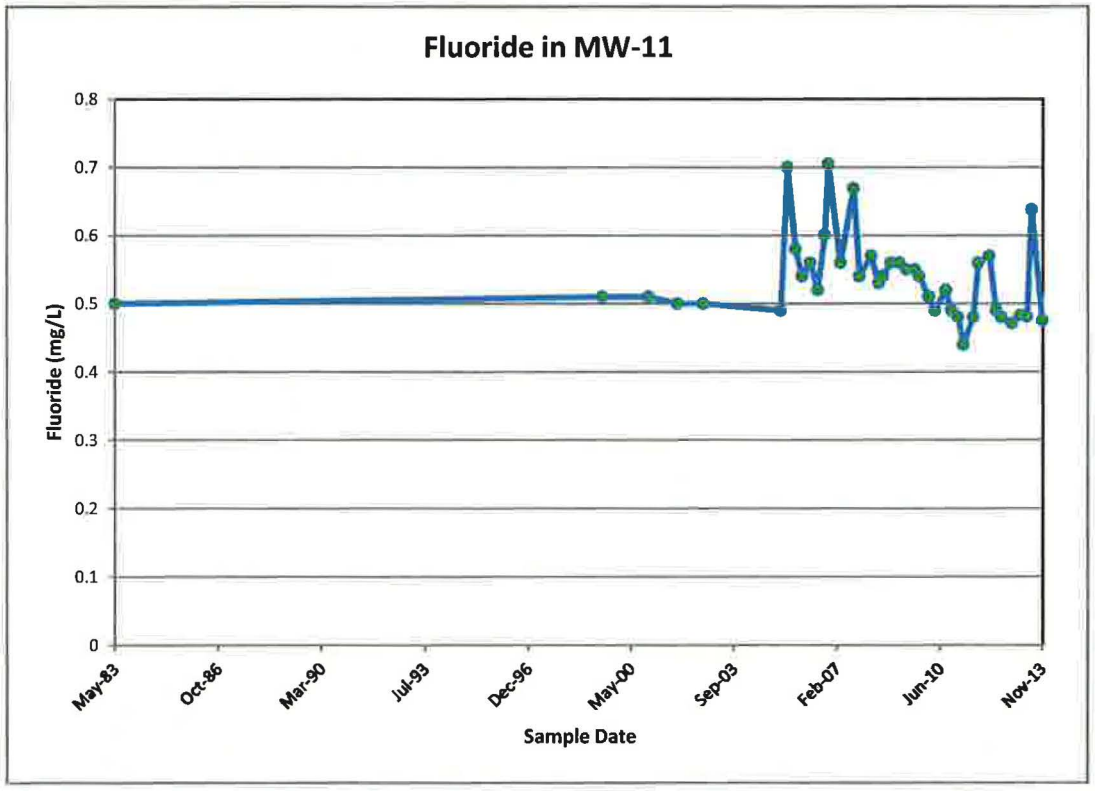
Time concentration plots for MW-05



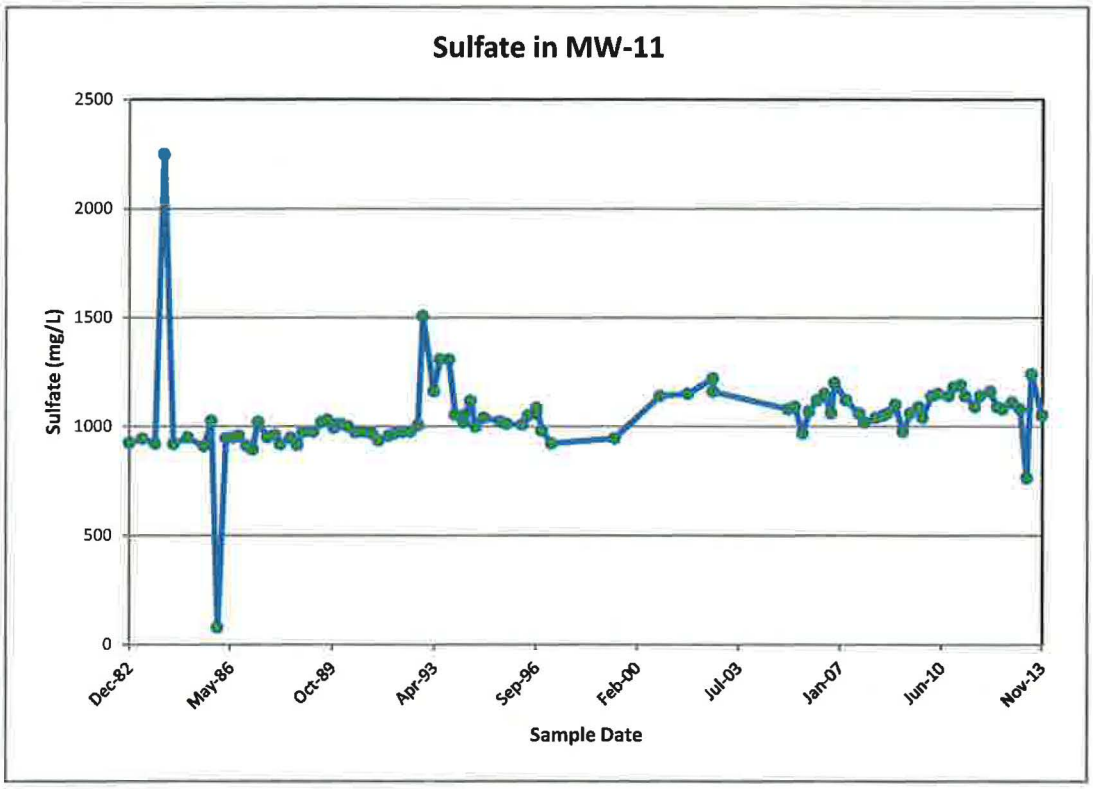


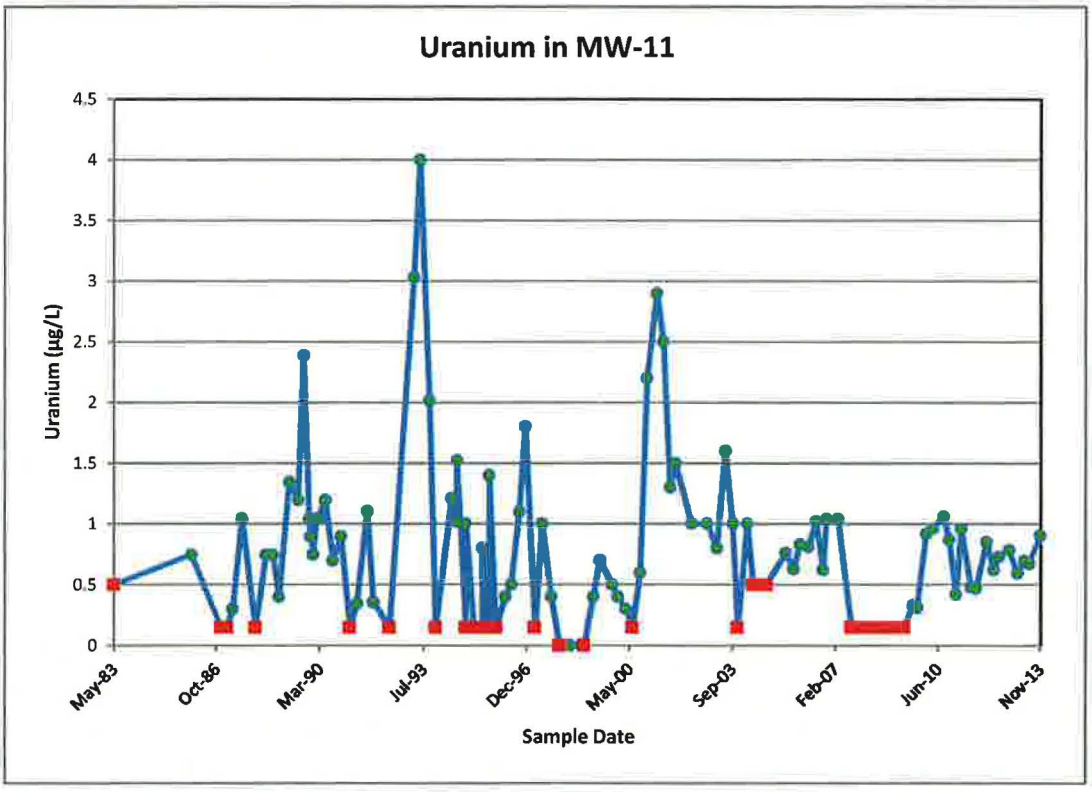
Time concentration plots for MW-11





Time concentration plots for MW-11

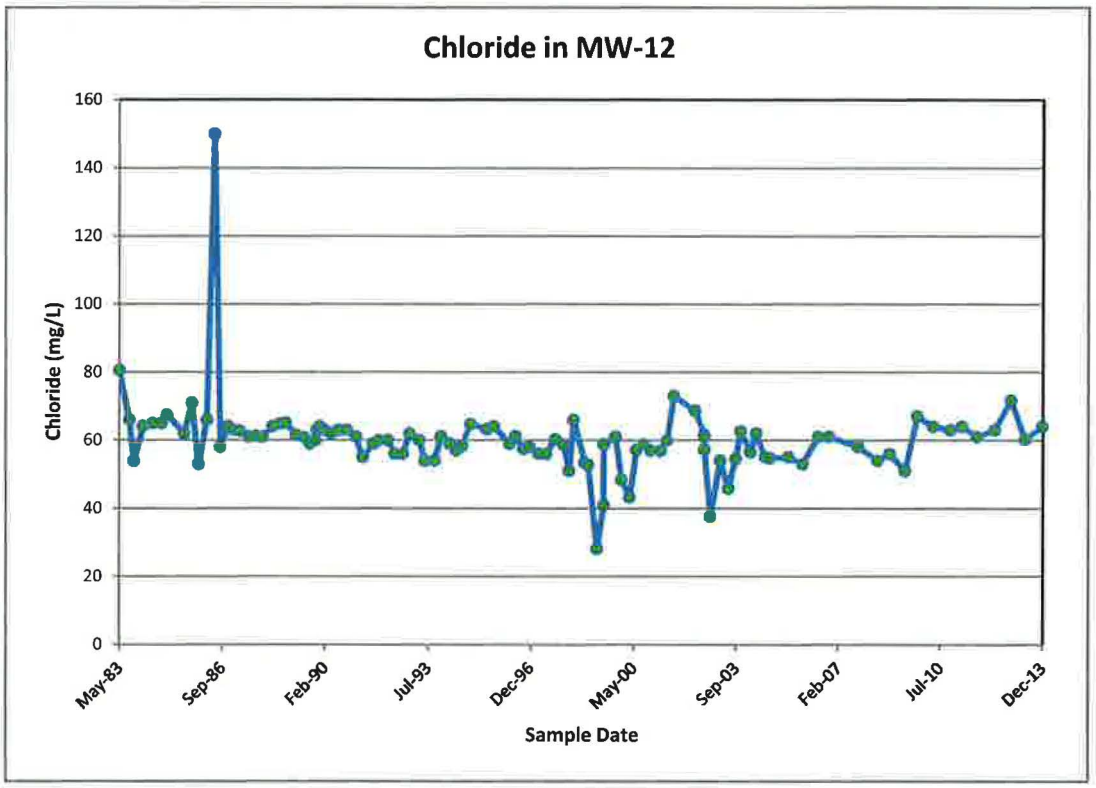


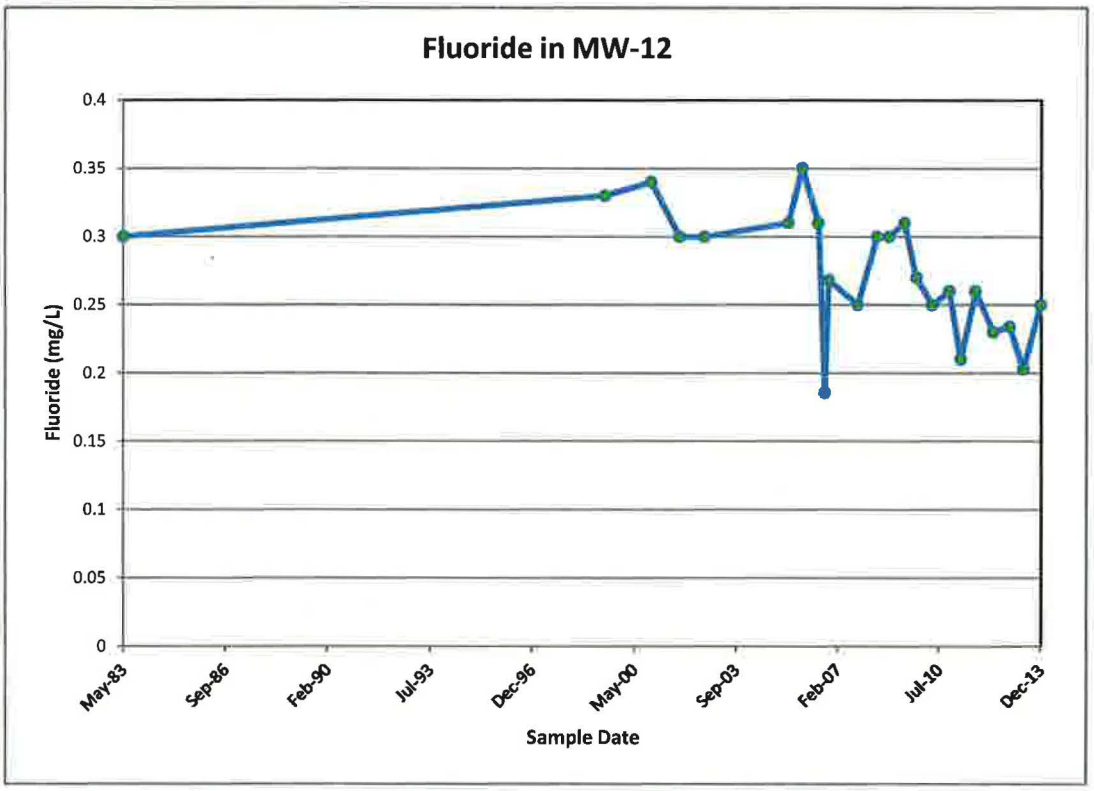


Detected Values

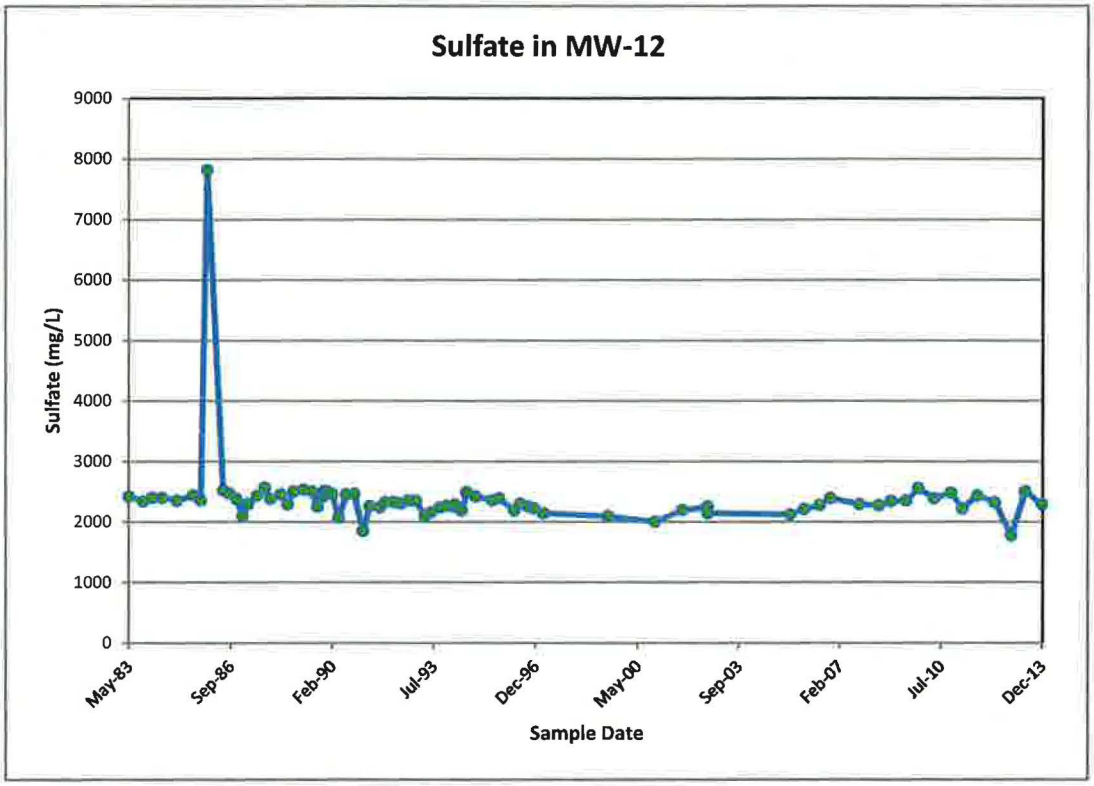
Non-Detected Values

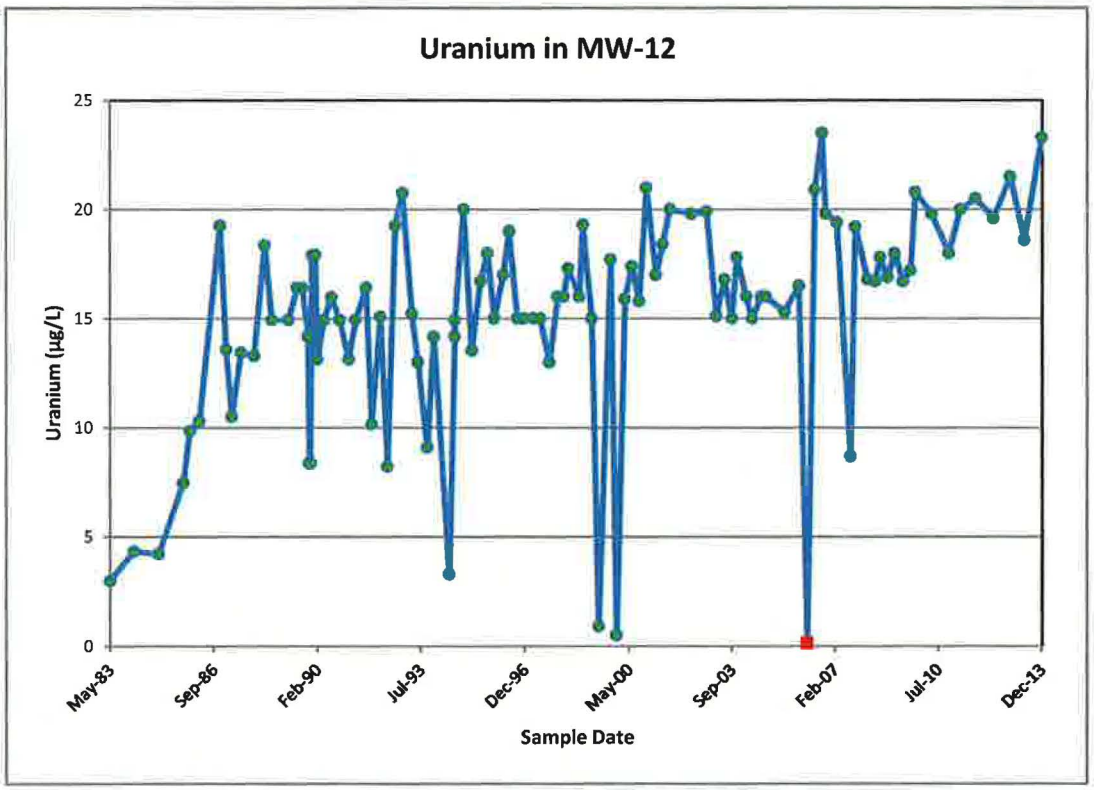
Time concentration plots for MW-12



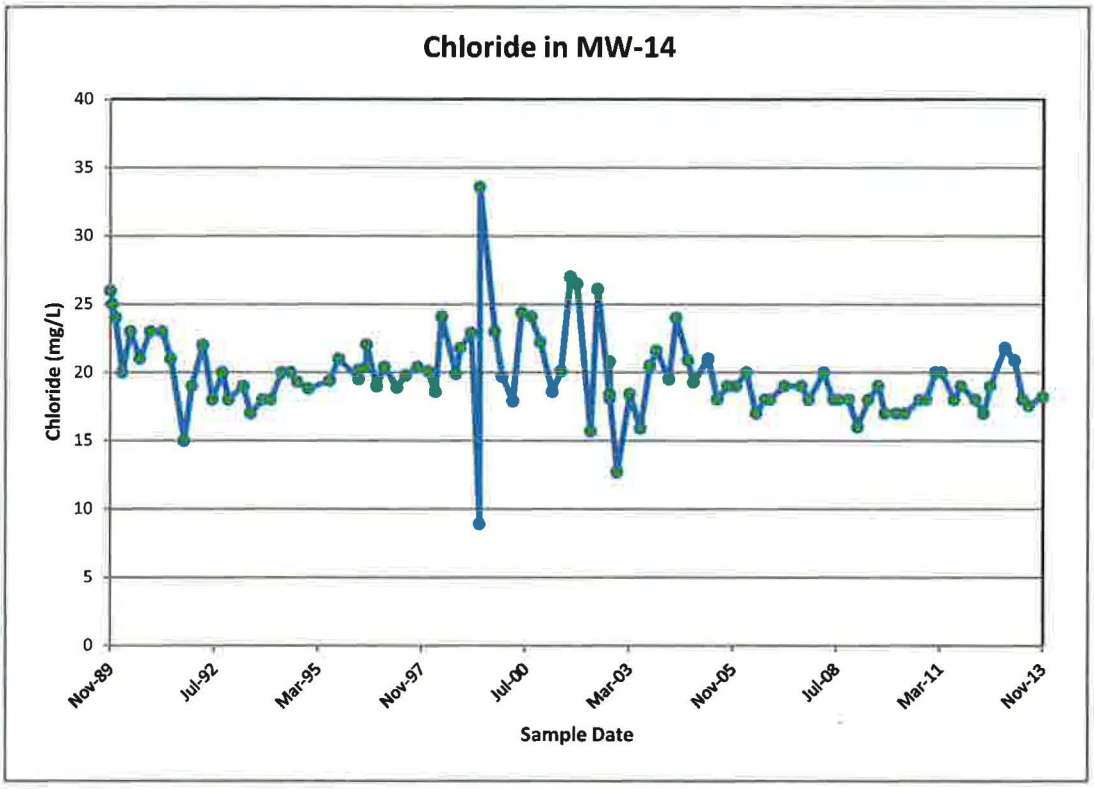


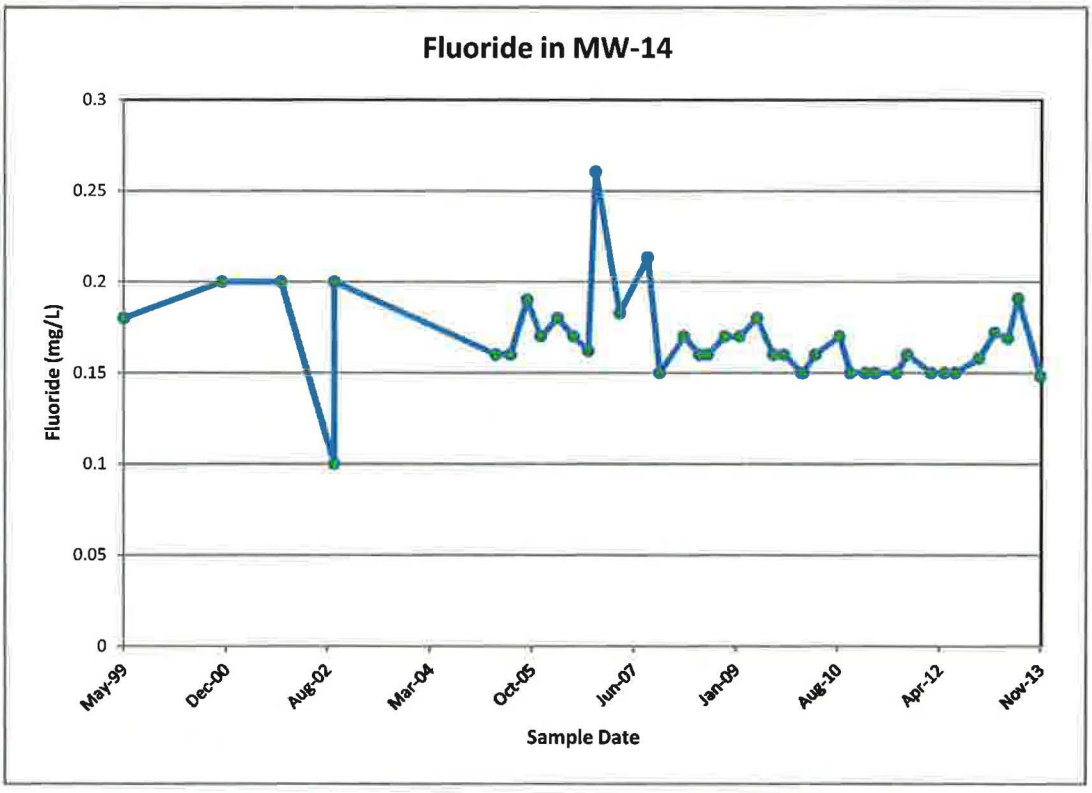
Time concentration plots for MW-12



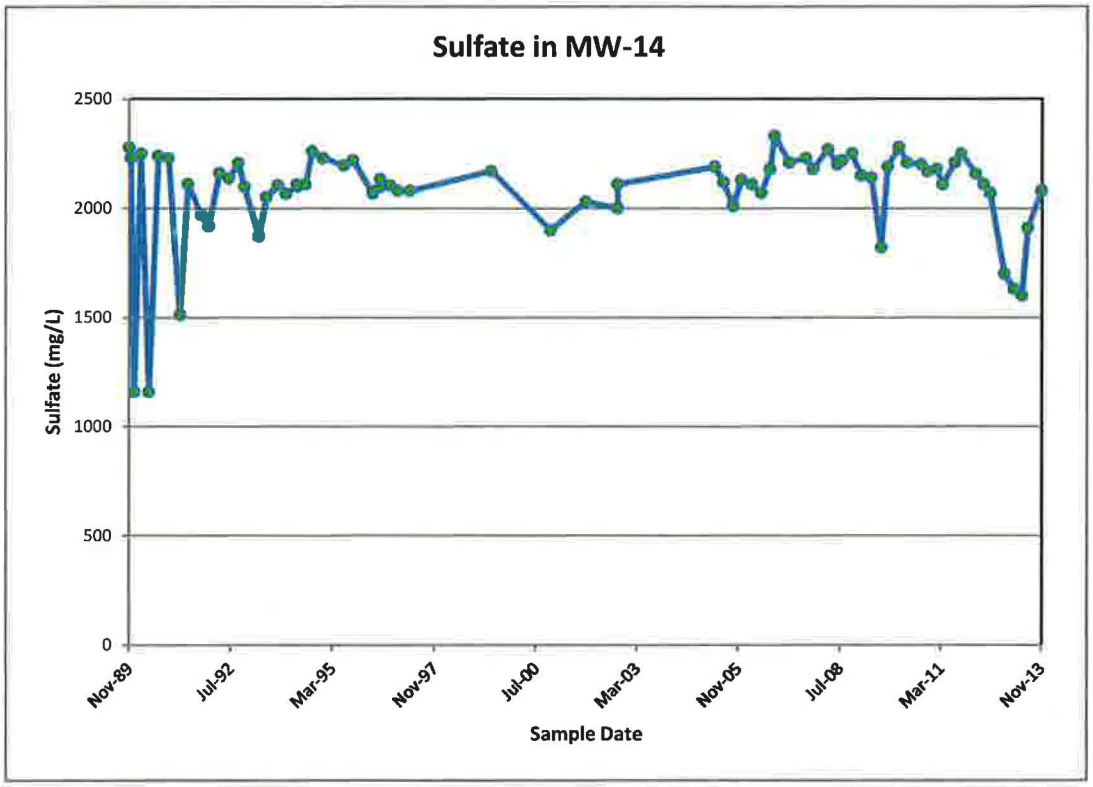


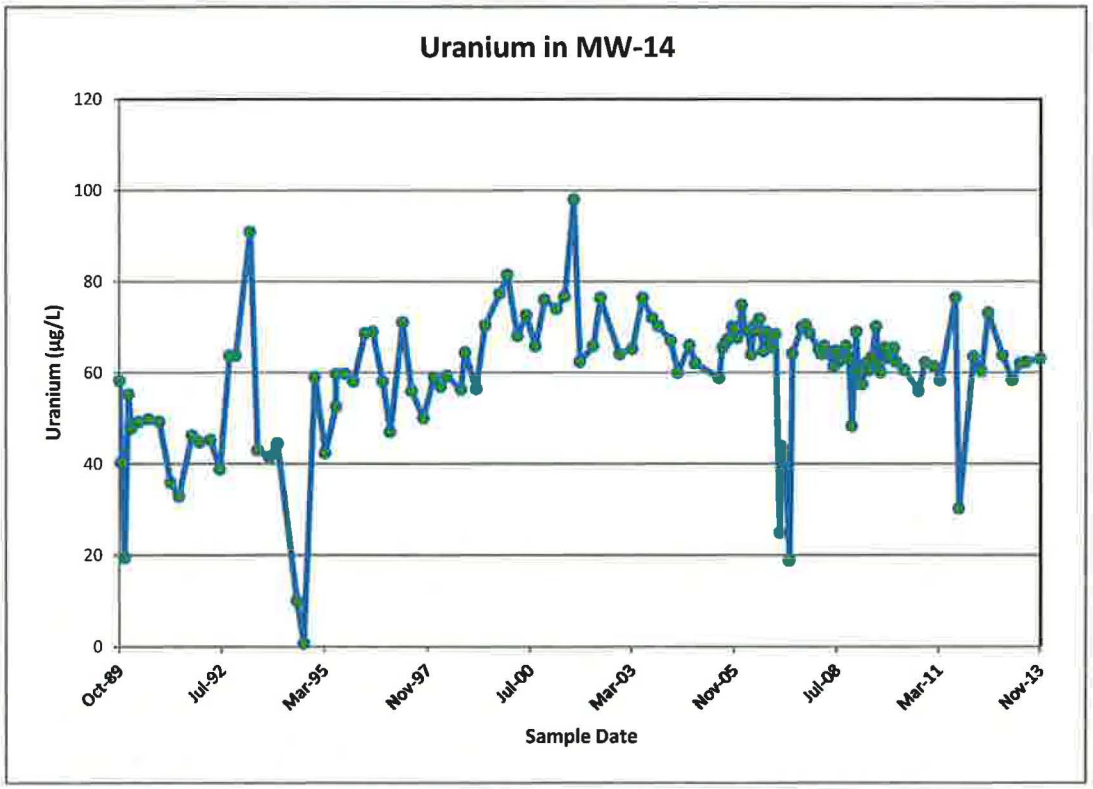
Time concentration plots for MW-14



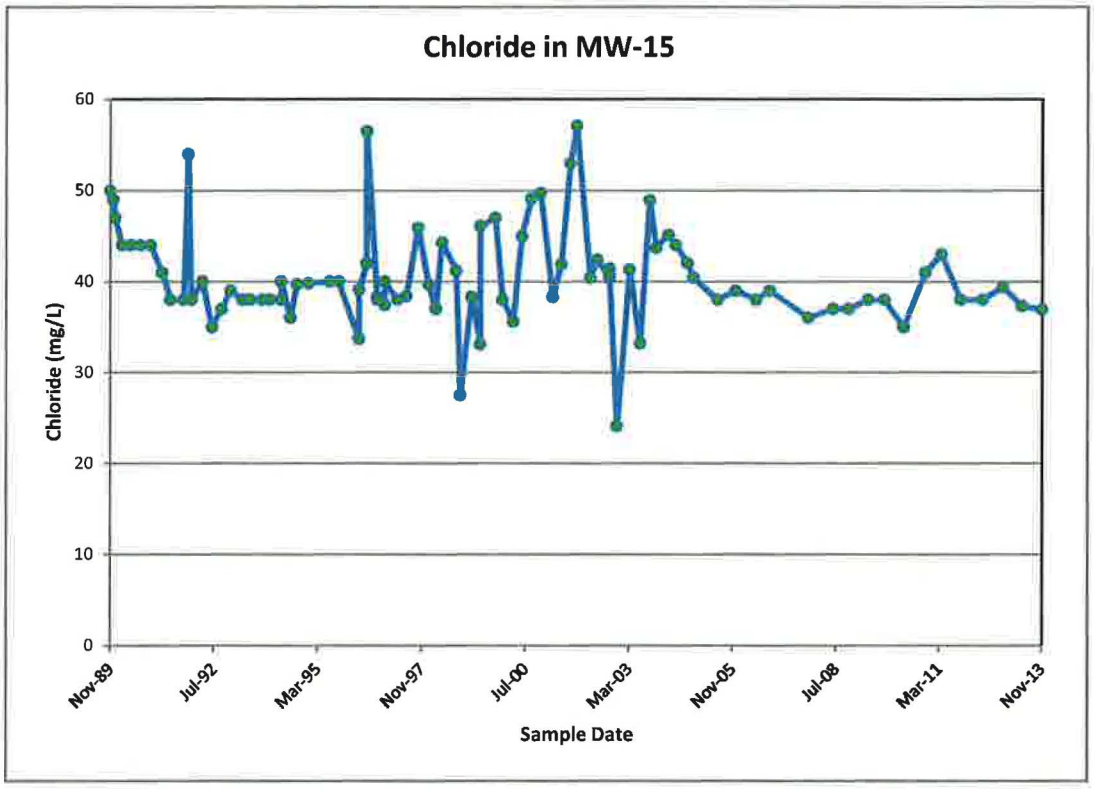


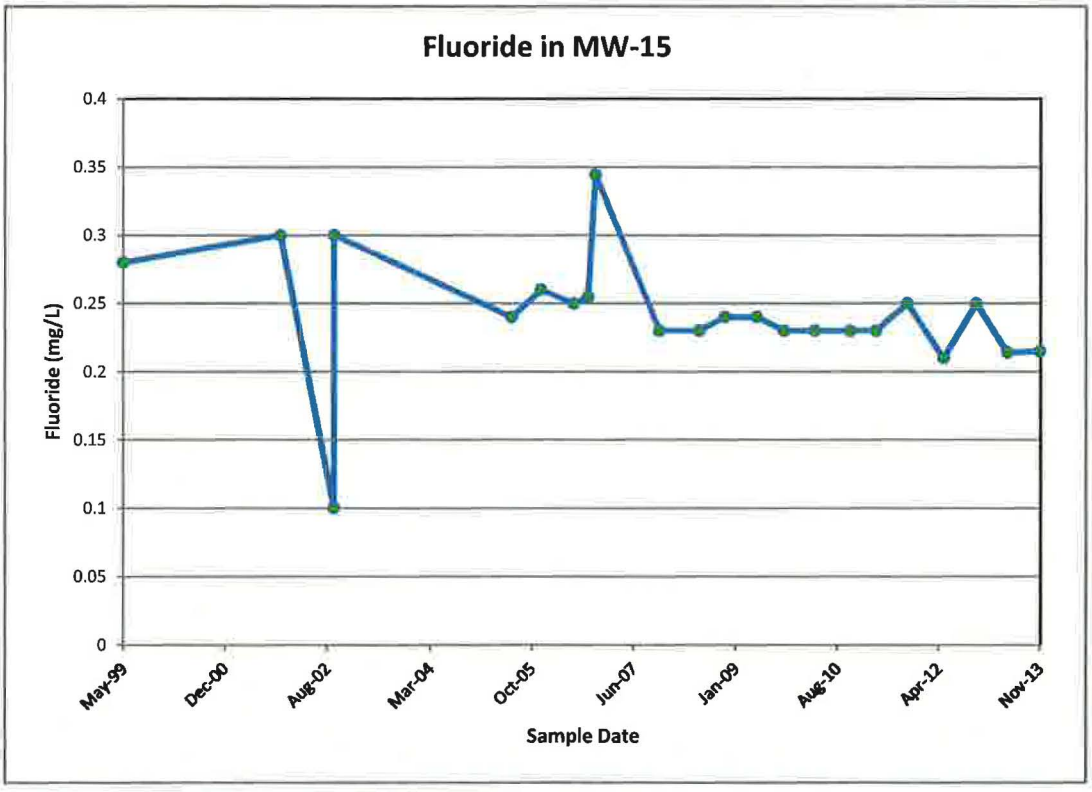
Time concentration plots for MW-14



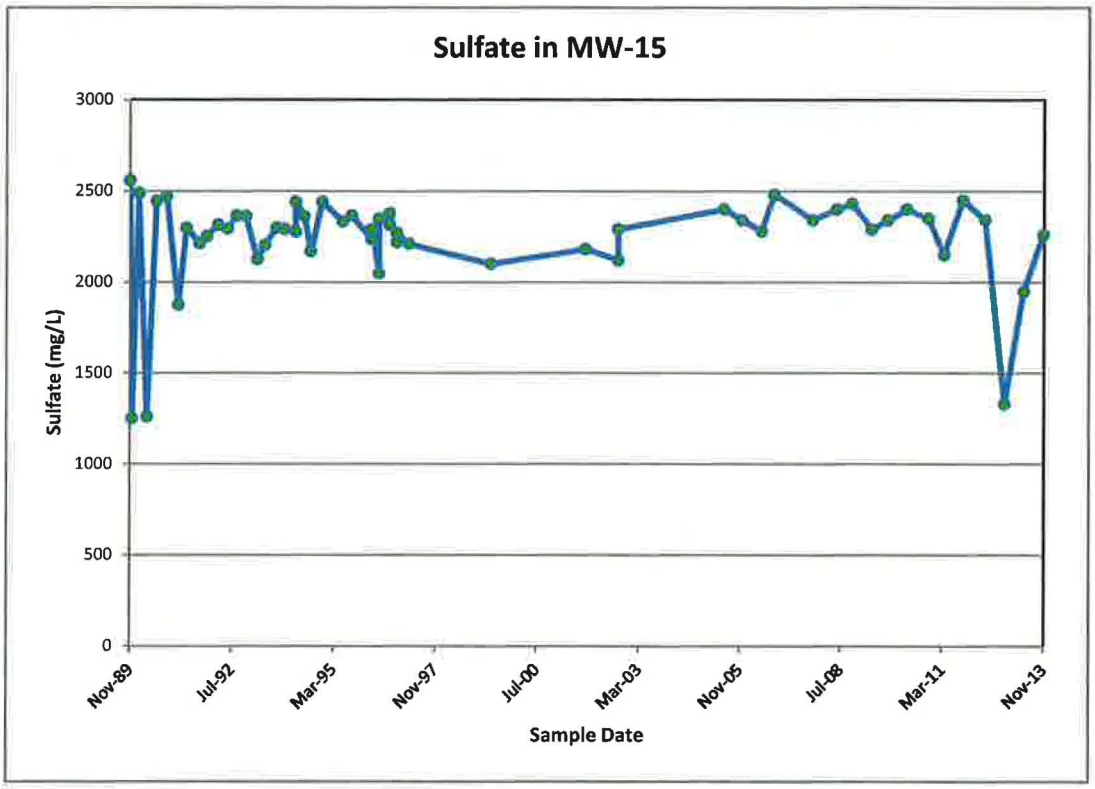


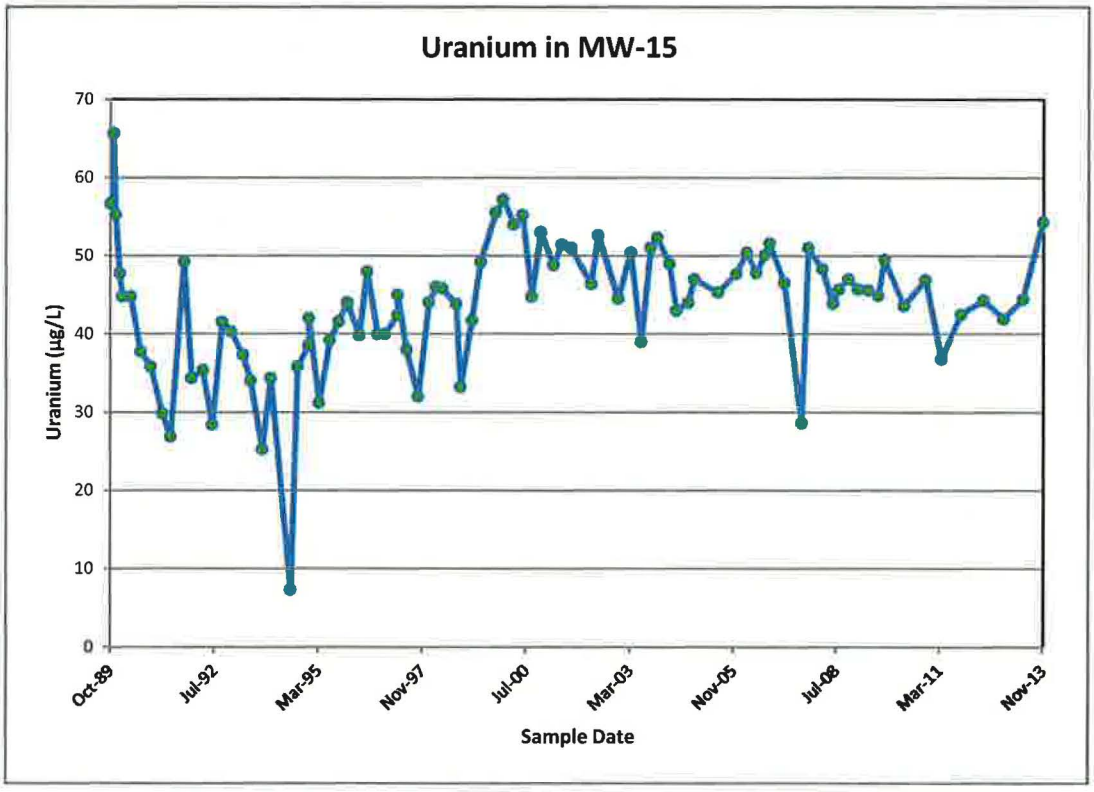
Time concentration plots for MW-15



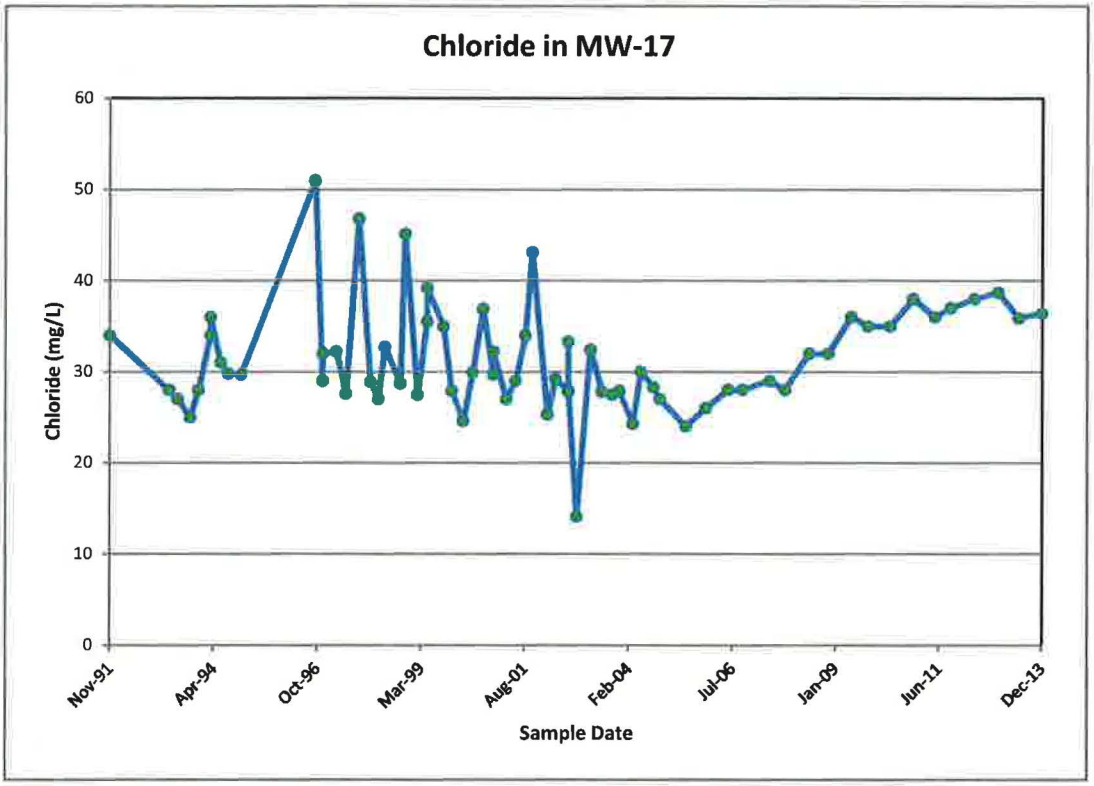


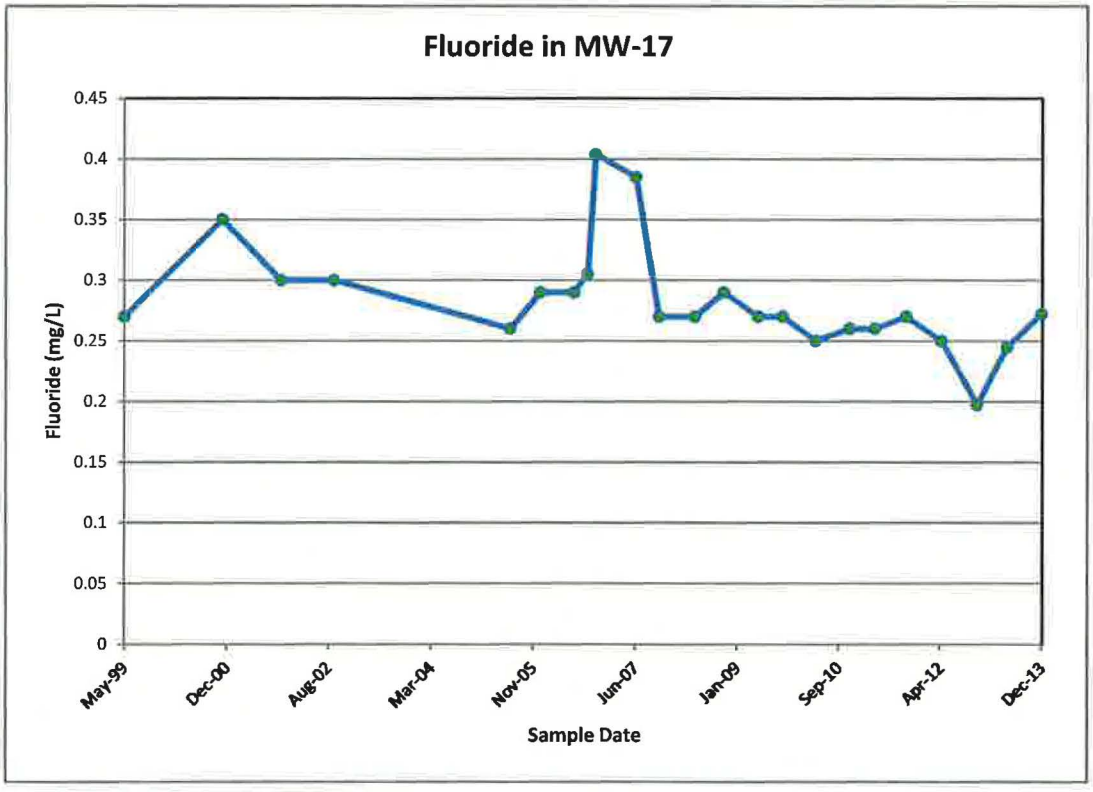
Time concentration plots for MW-15



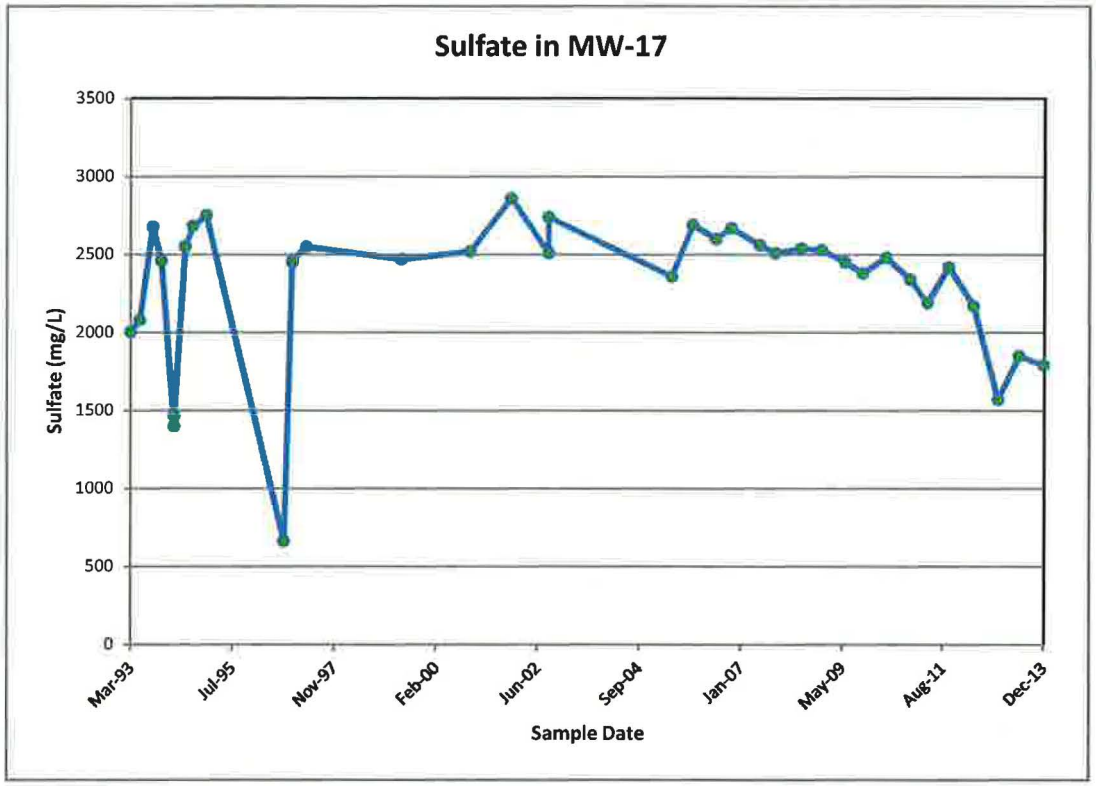


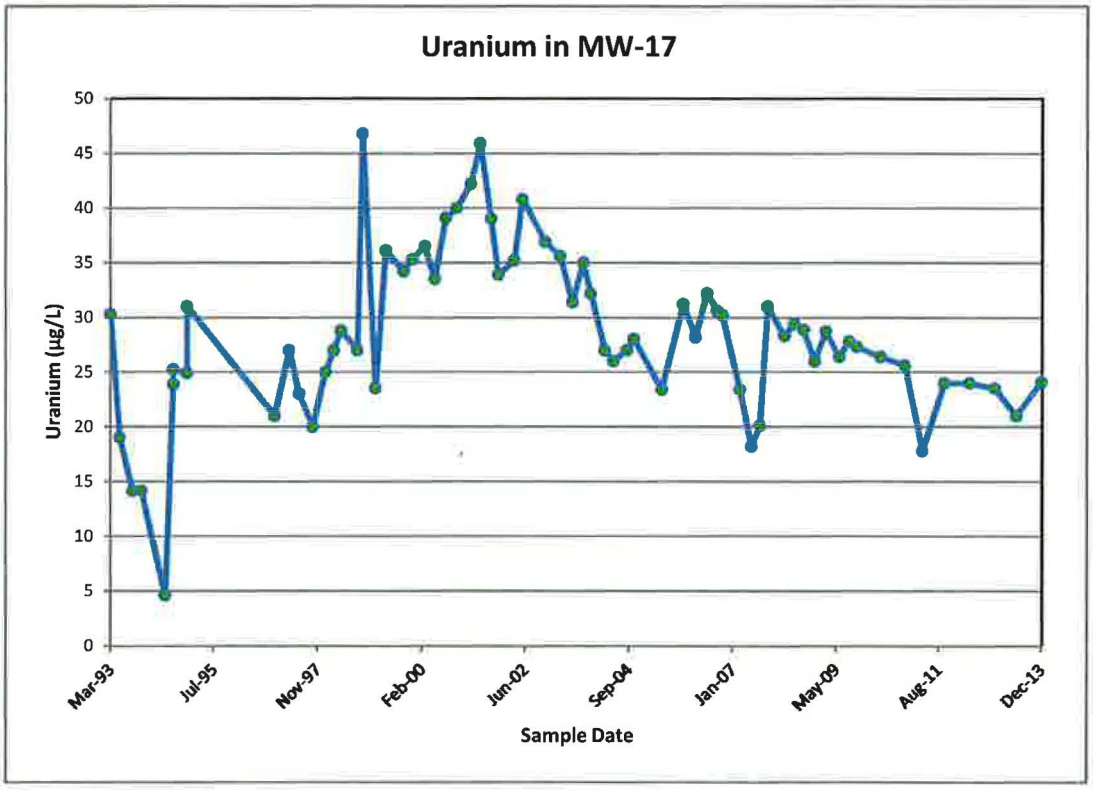
Time concentration plots for MW-17



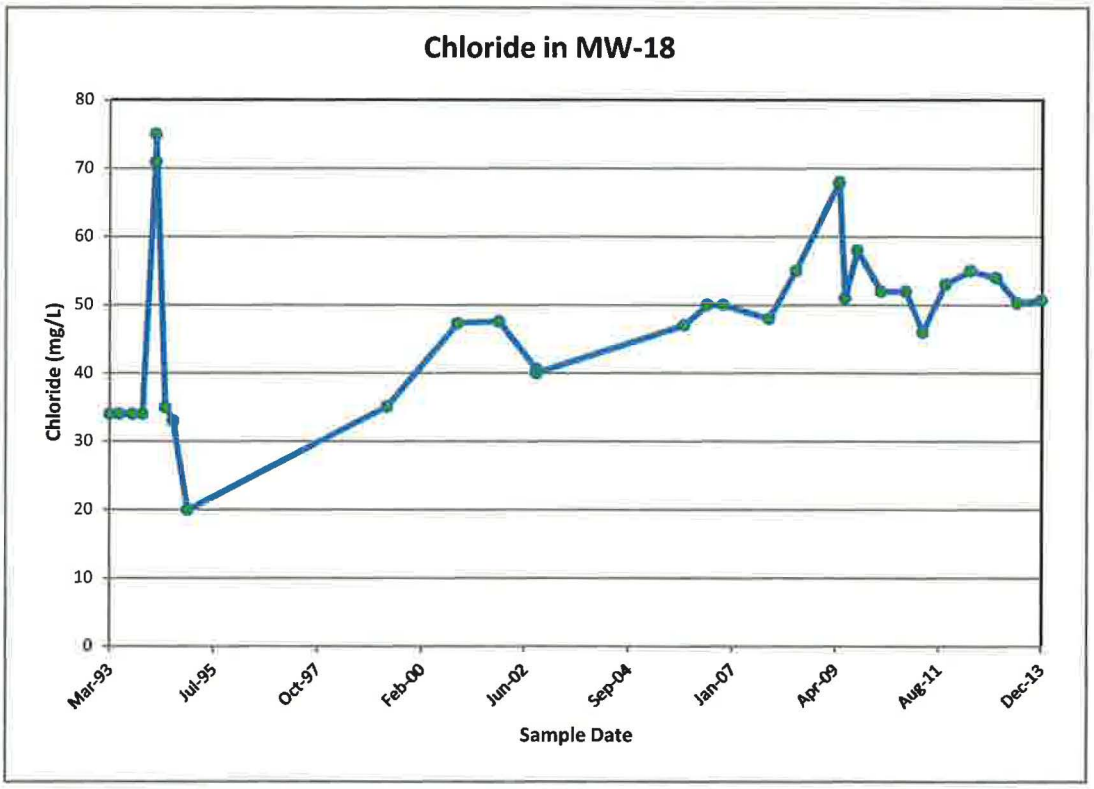


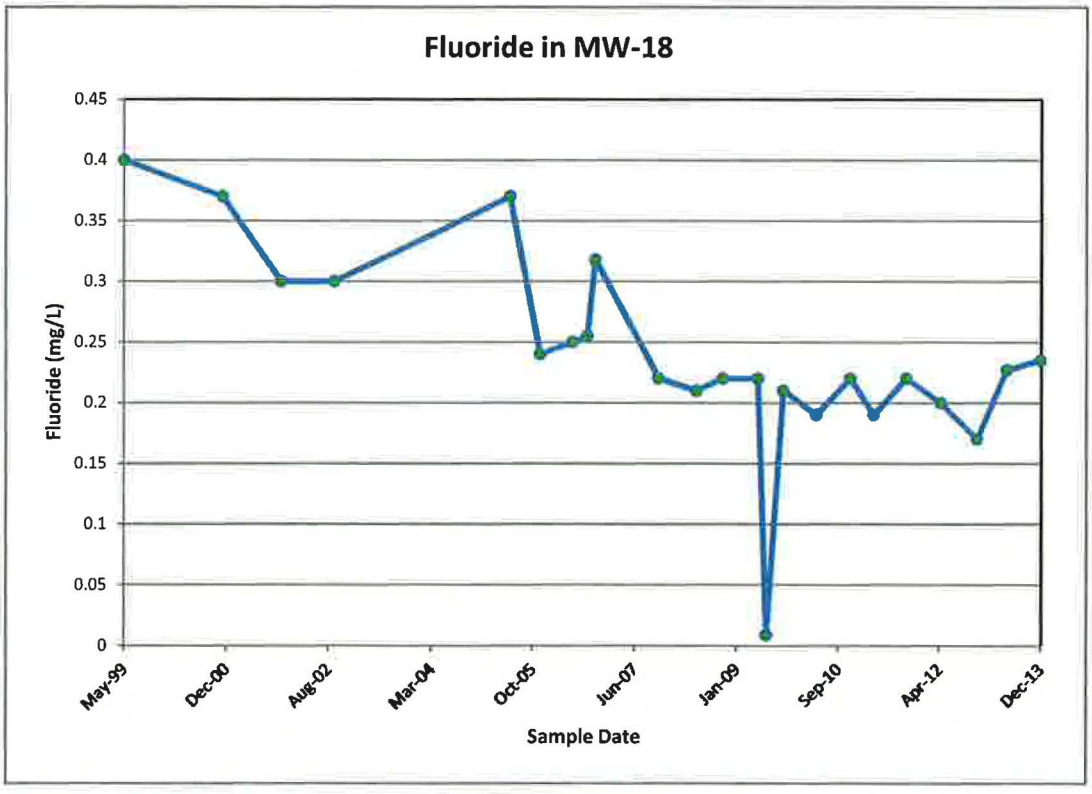
Time concentration plots for MW-17



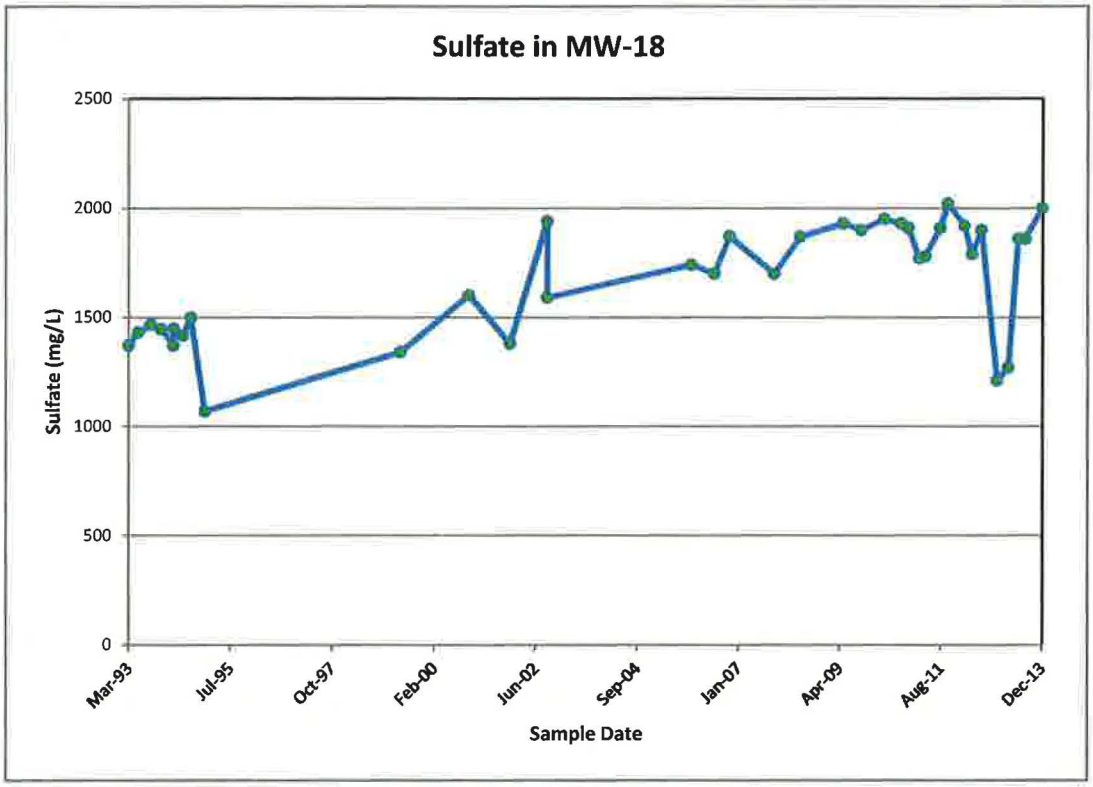


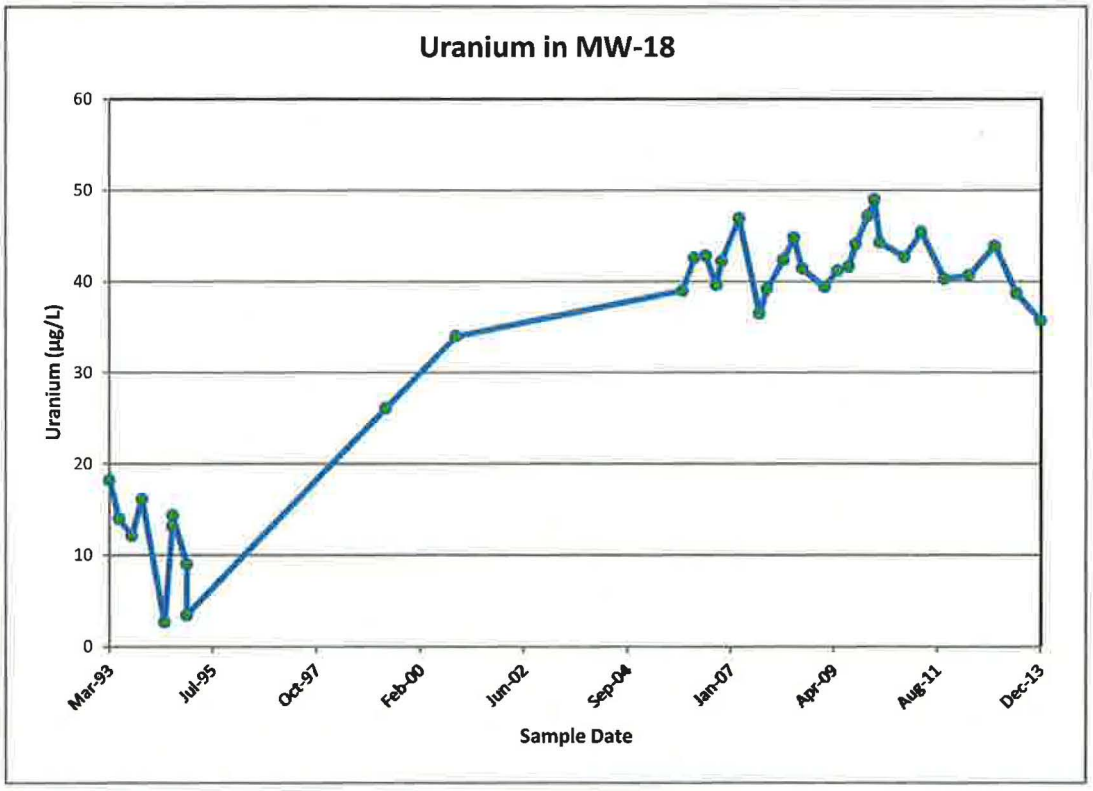
Time concentration plots for MW-18



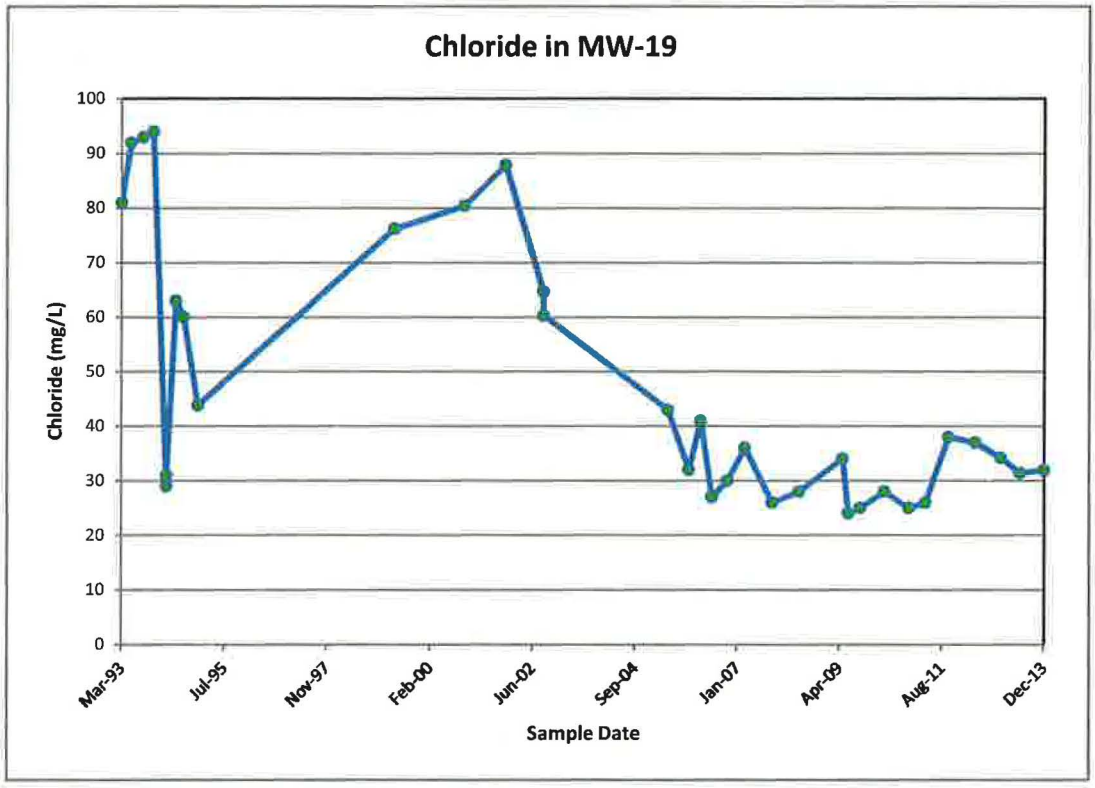


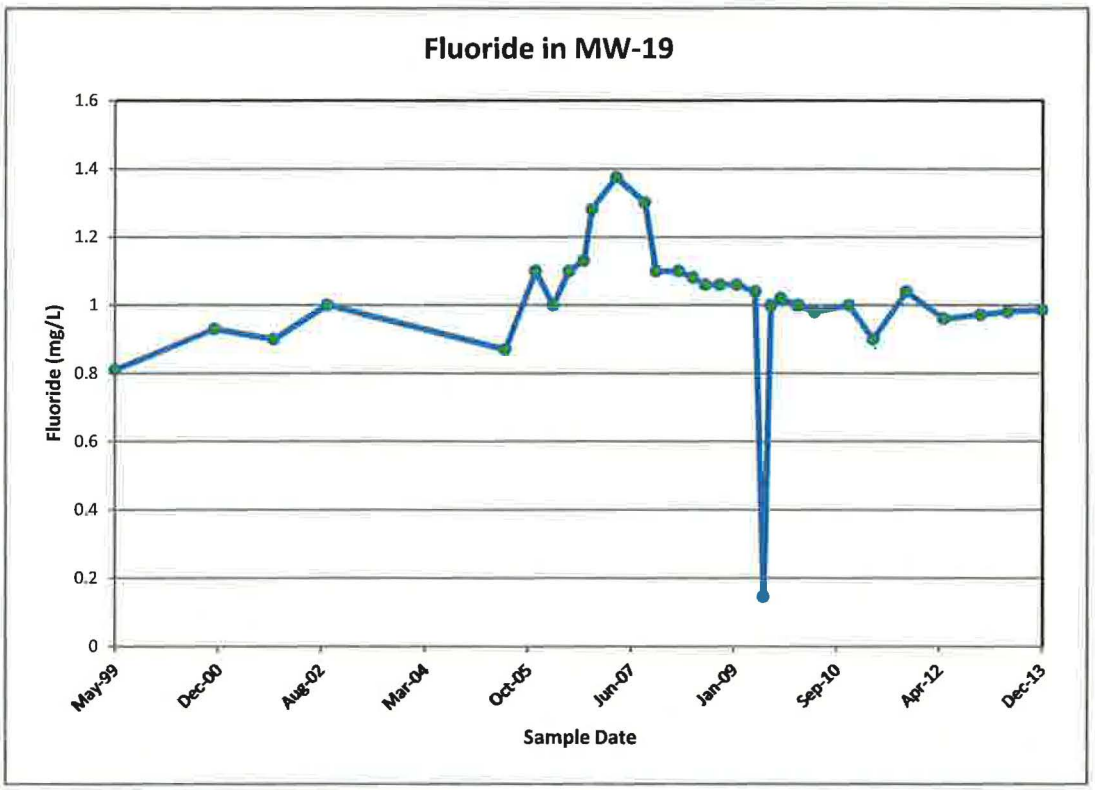
Time concentration plots for MW-18



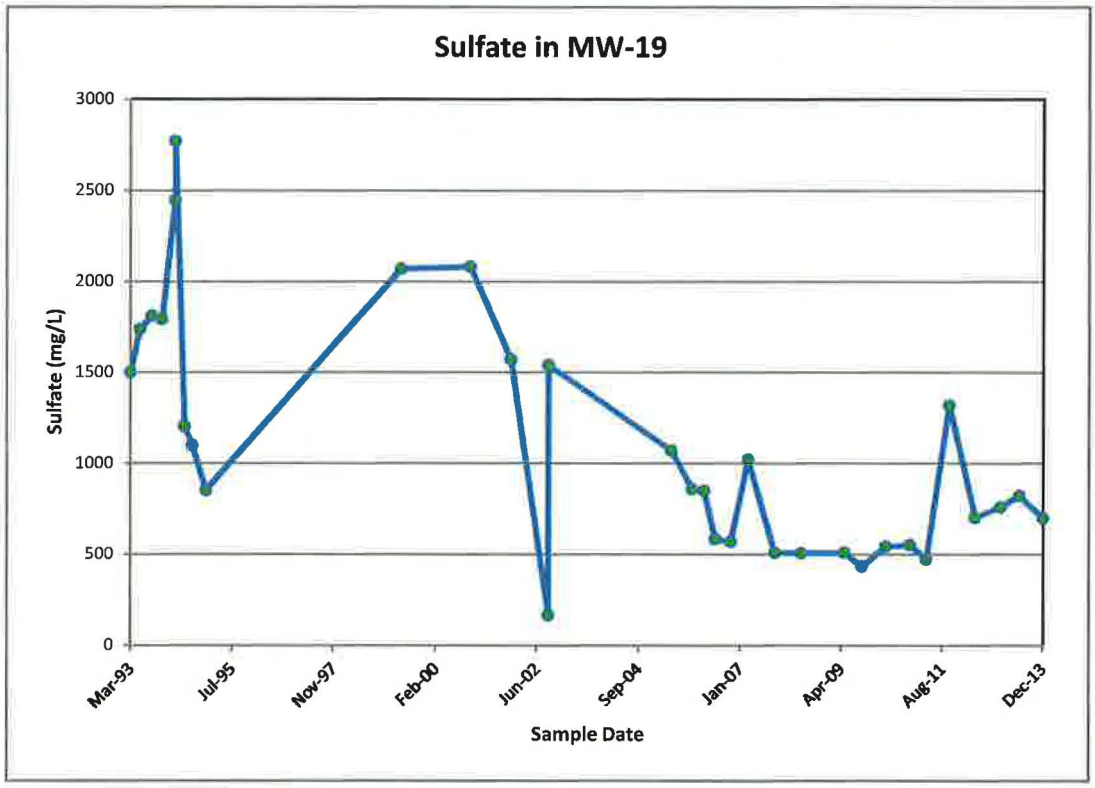


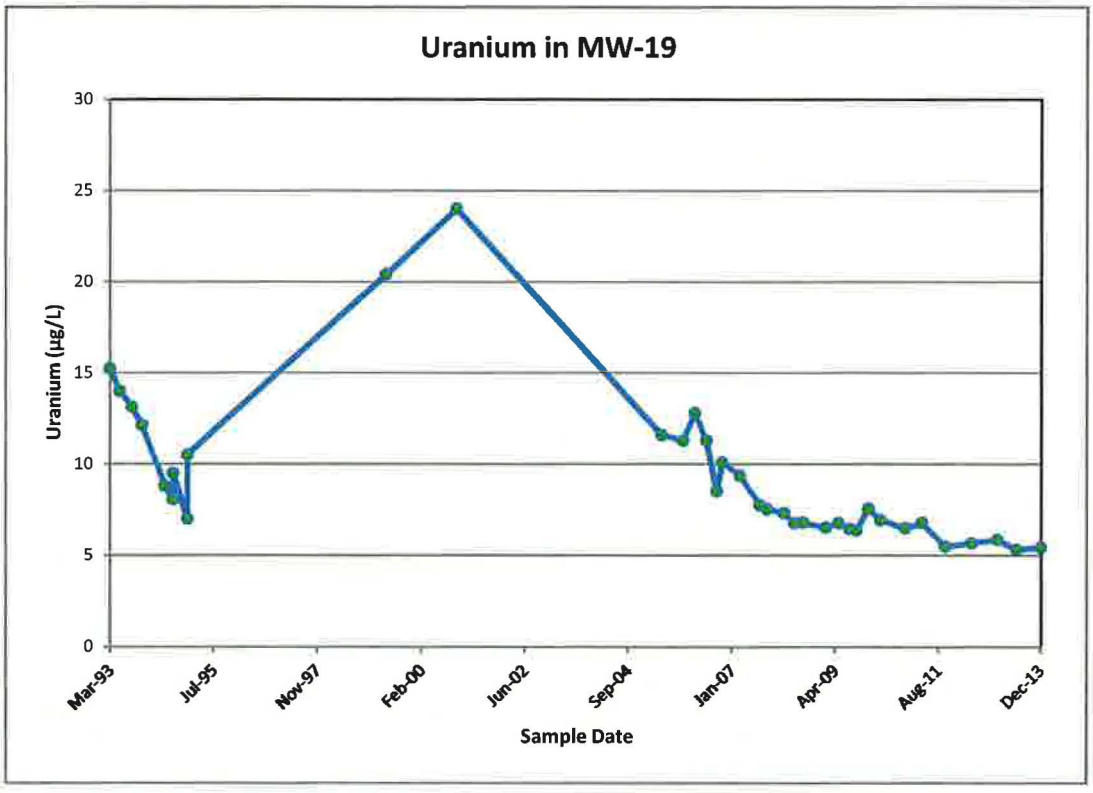
Time concentration plots for MW-19



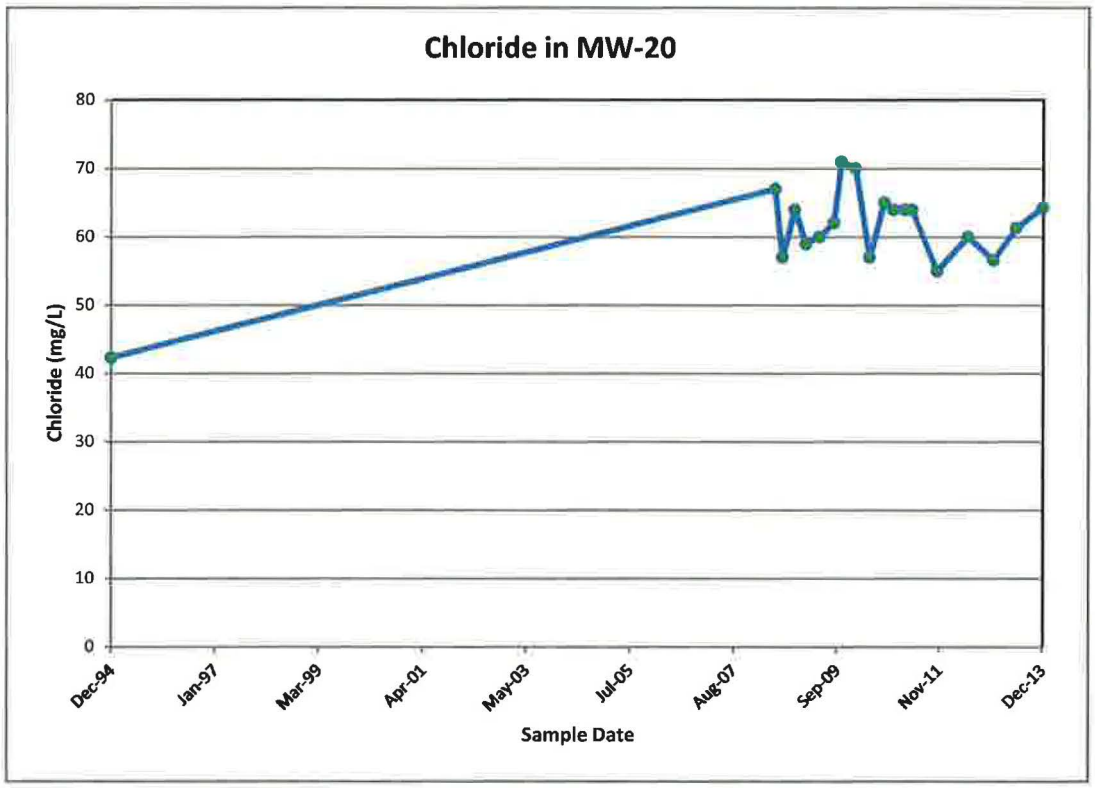


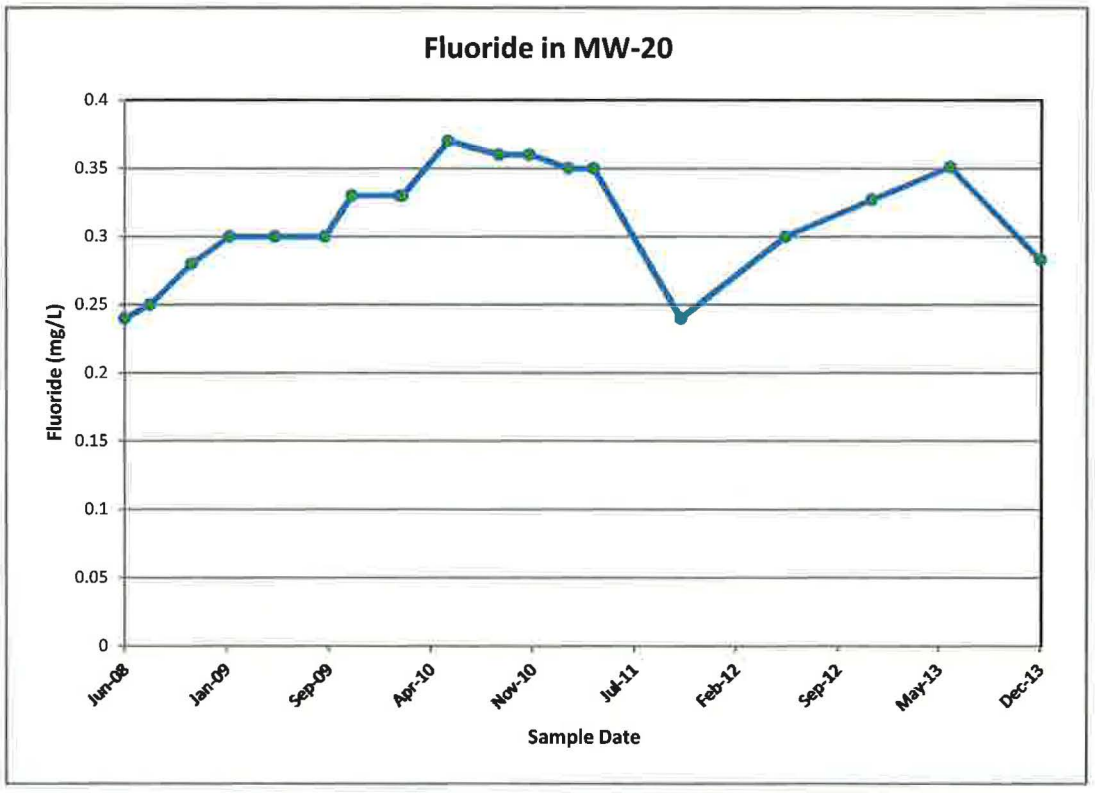
Time concentration plots for MW-19



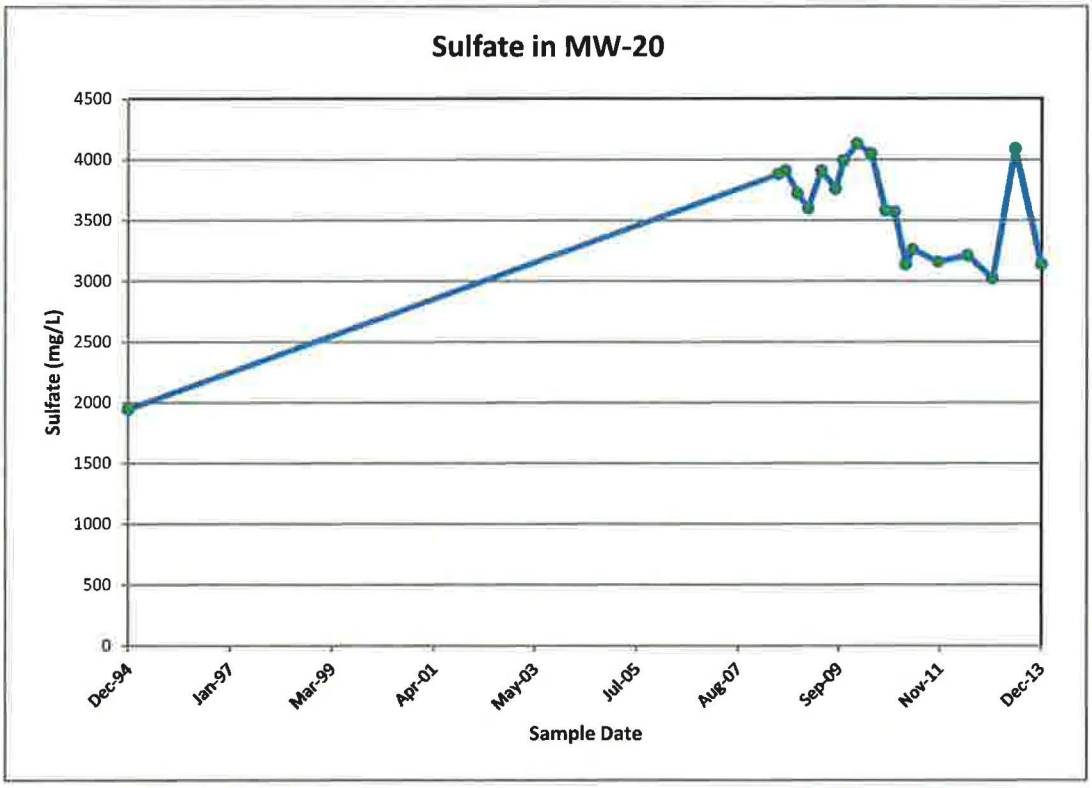


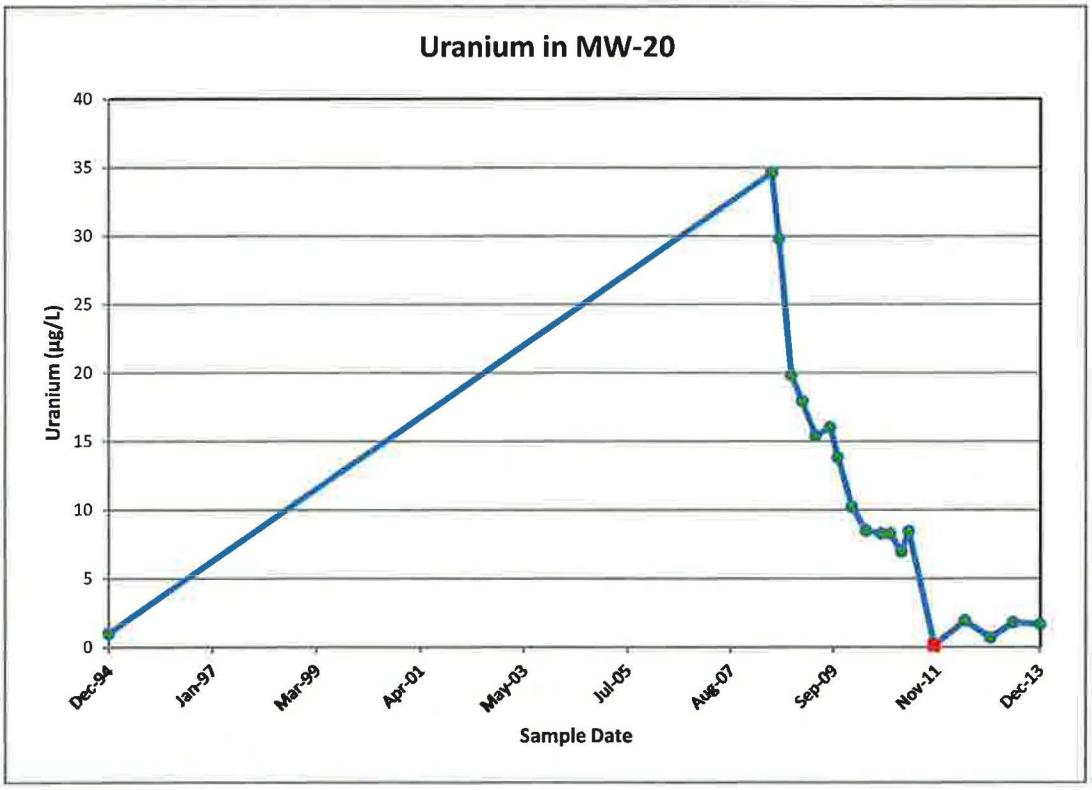
Time concentration plots for MW-20



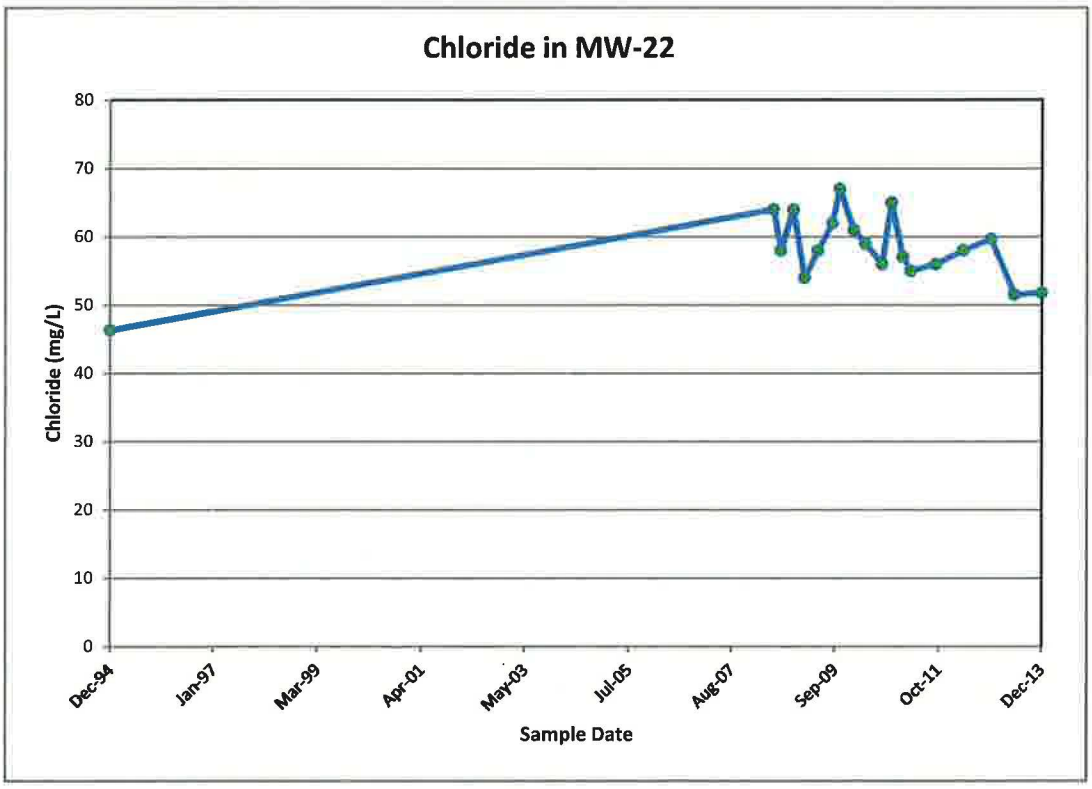


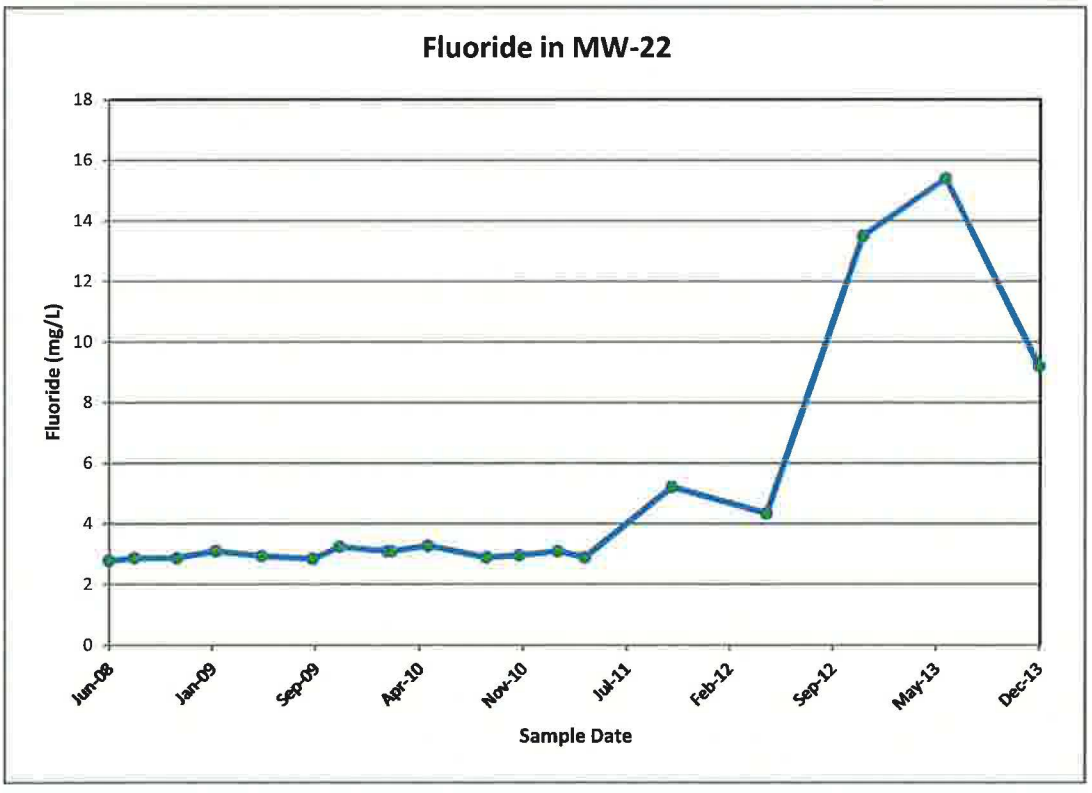
Time concentration plots for MW-20



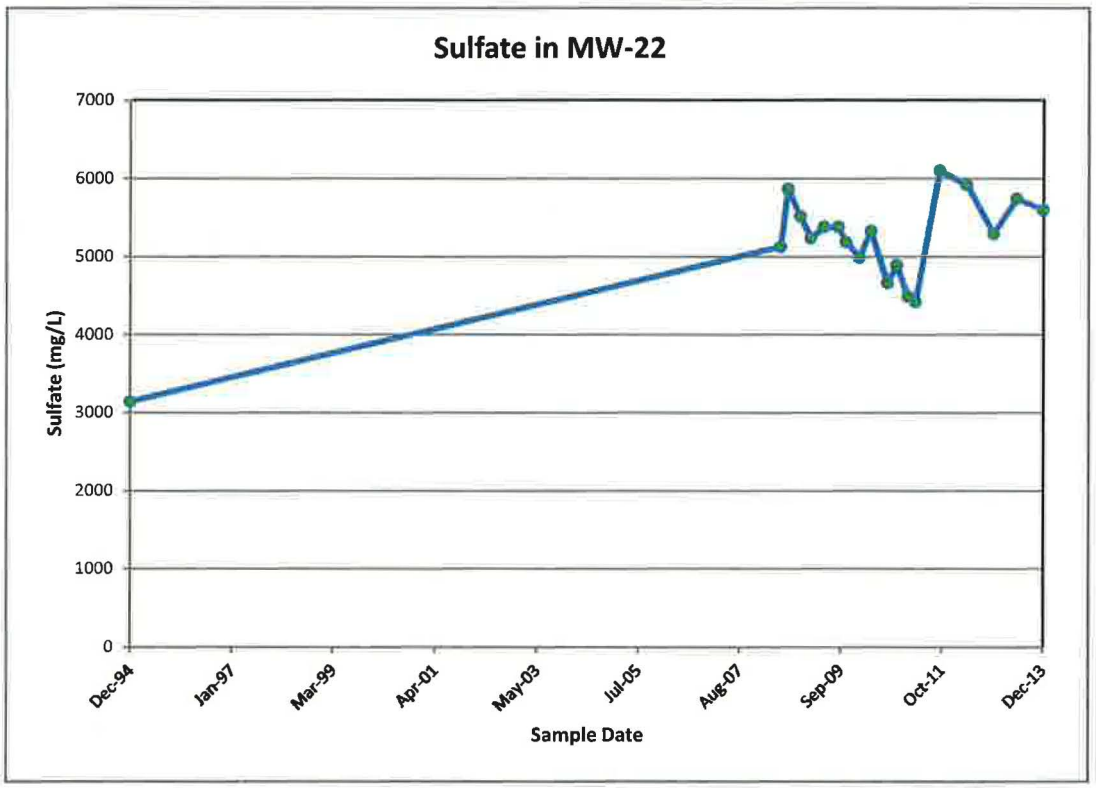


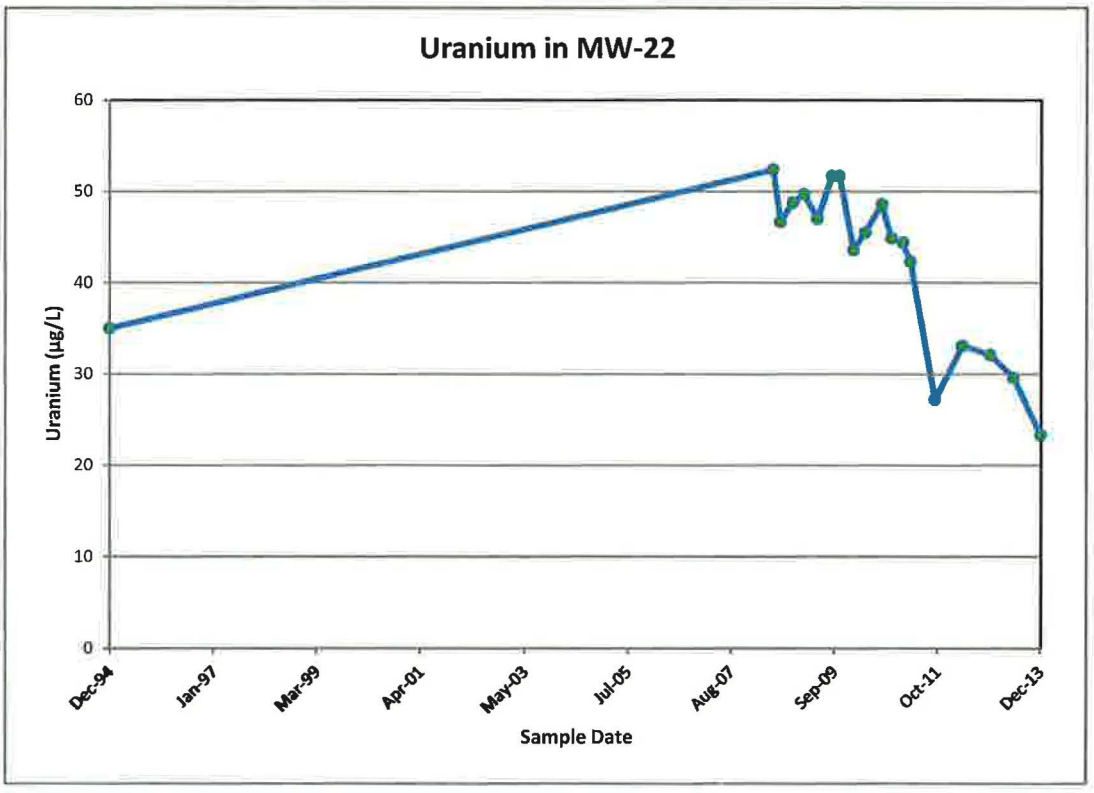
Time concentration plots for MW-22



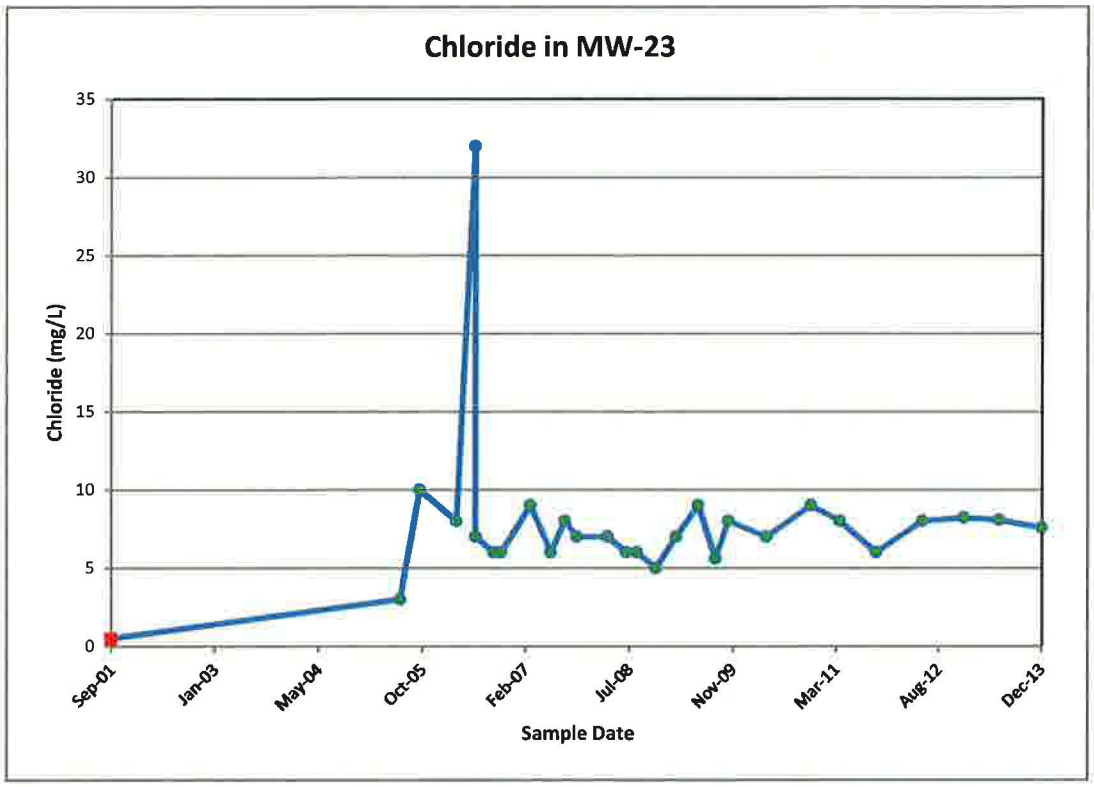


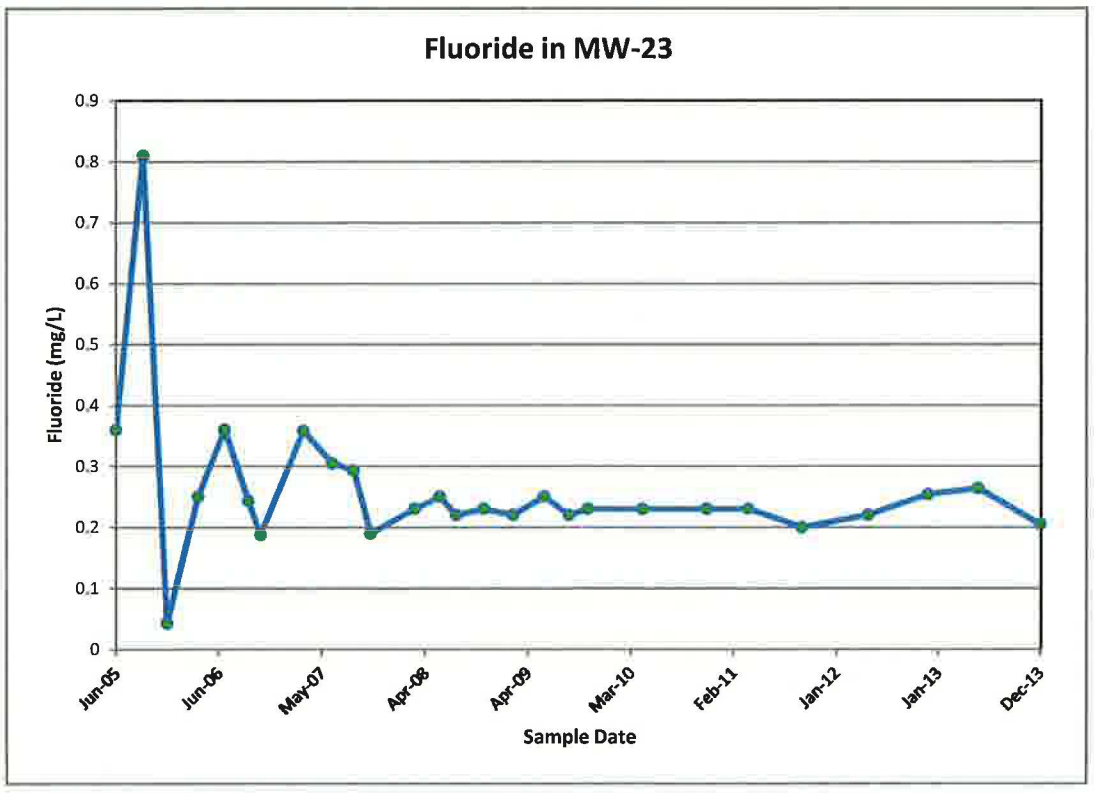
Time concentration plots for MW-22





Time concentration plots for MW-23

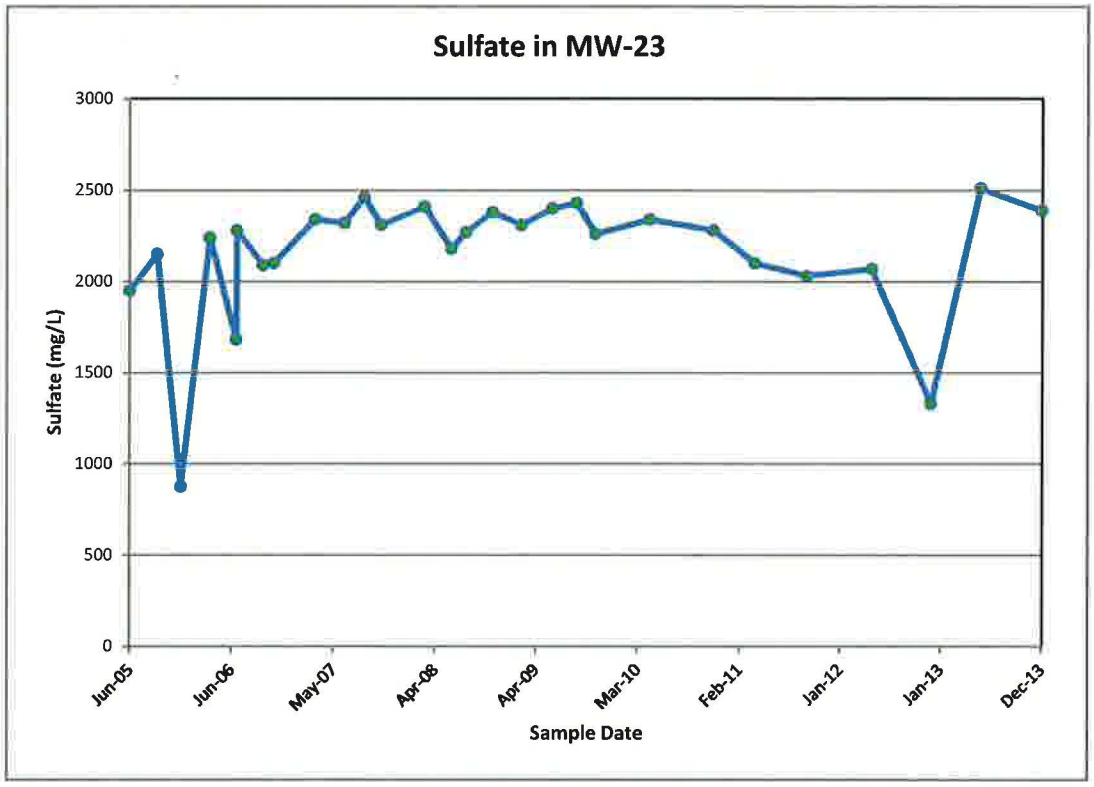


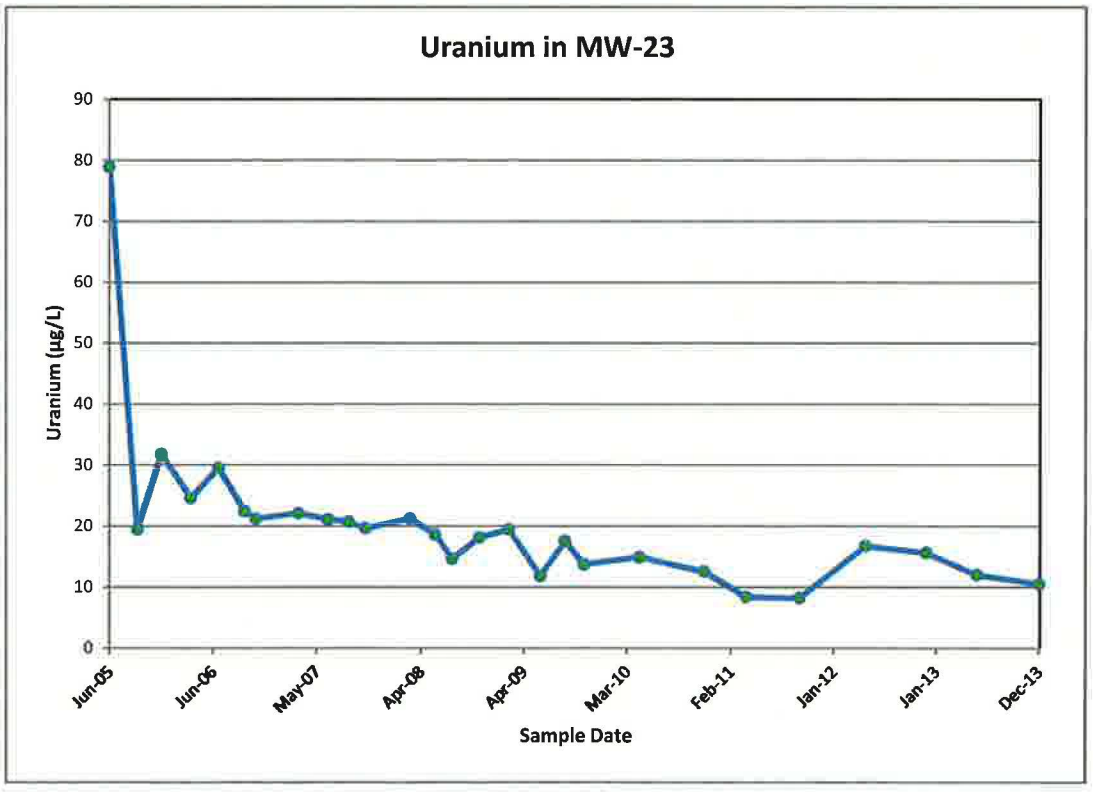


Detected Values

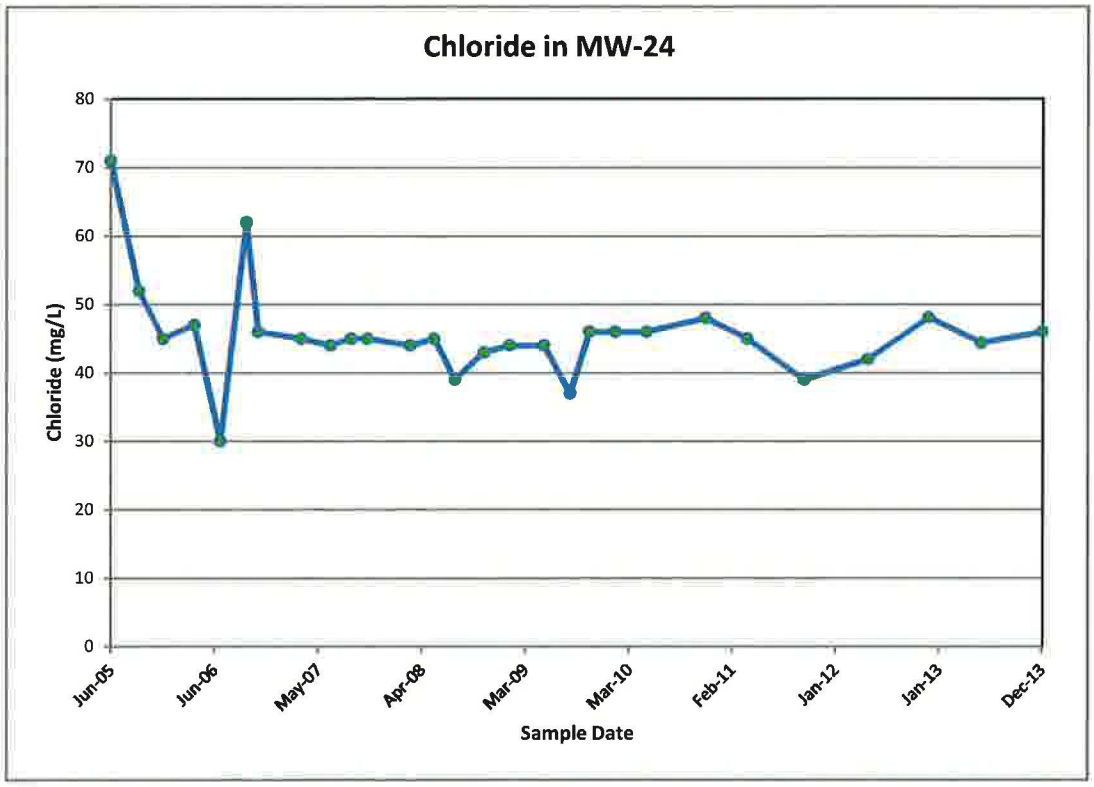
Non-Detected Values

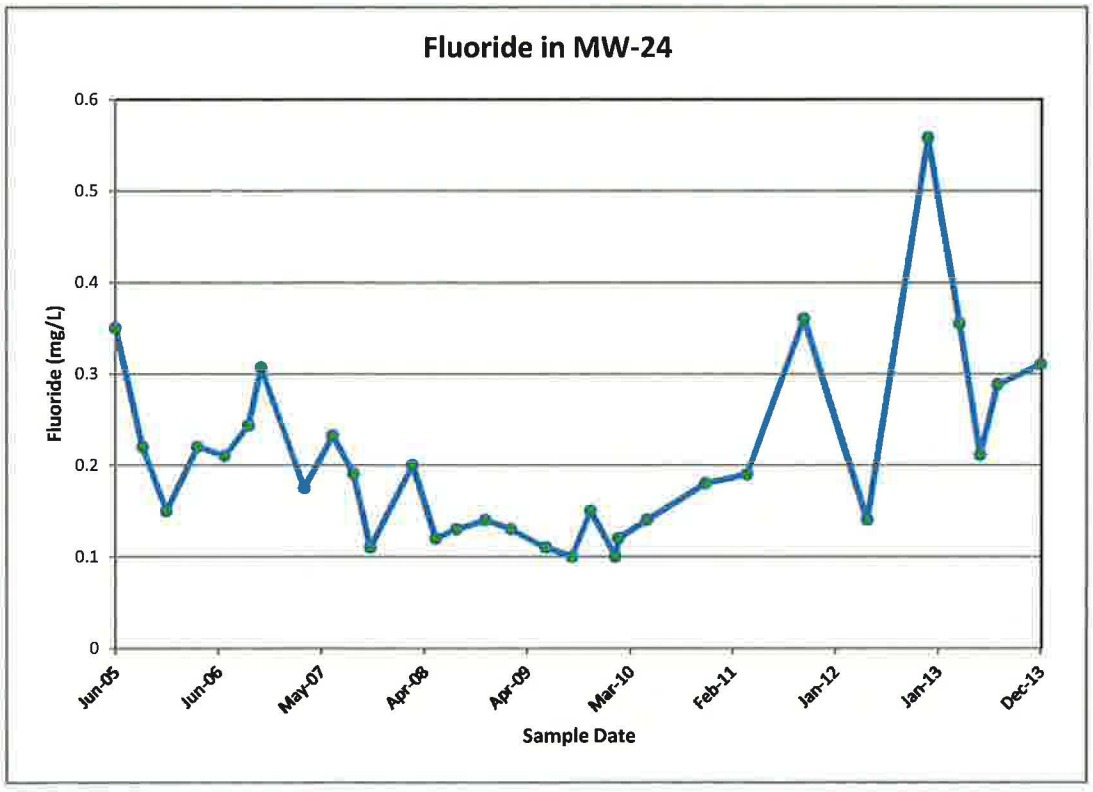
Time concentration plots for MW-23





Time concentration plots for MW-24

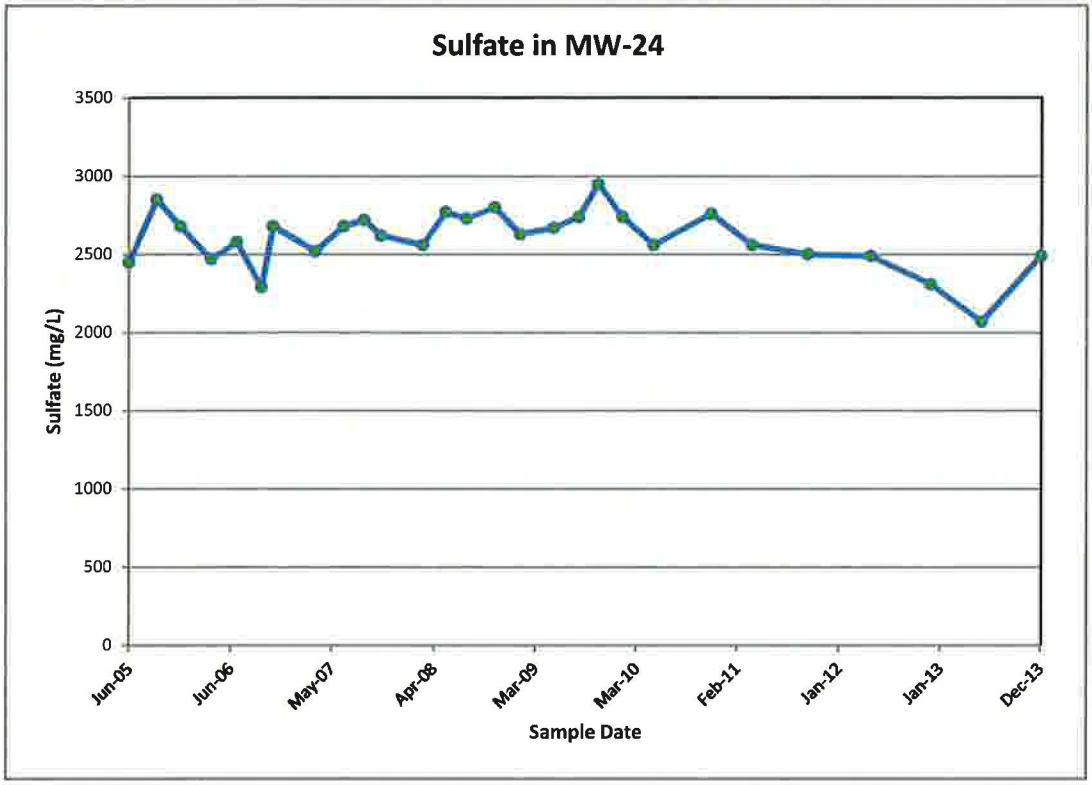


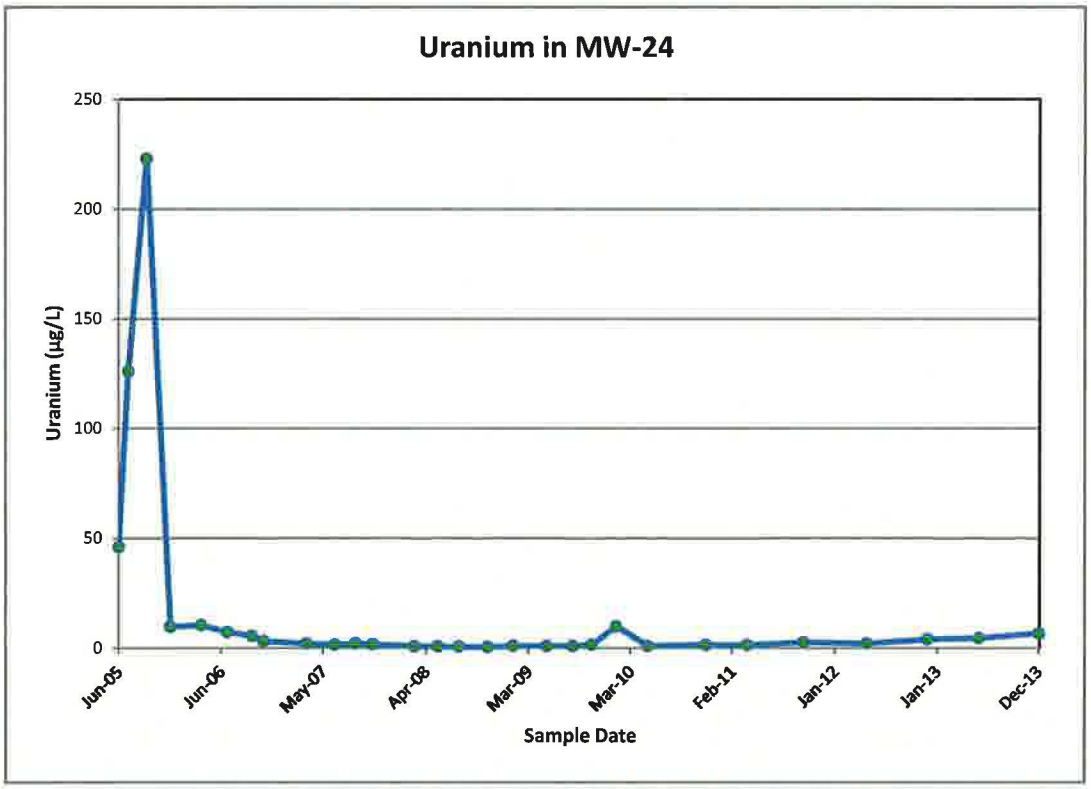


Detected Values

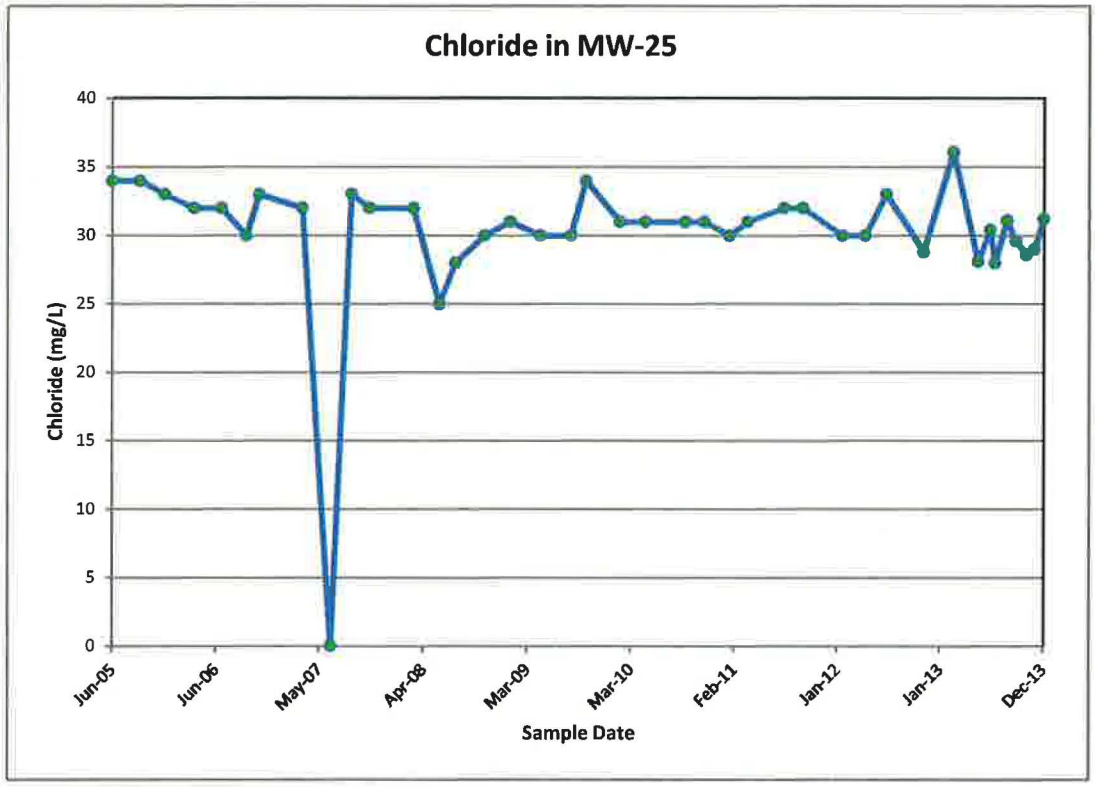
Non-Detected Values

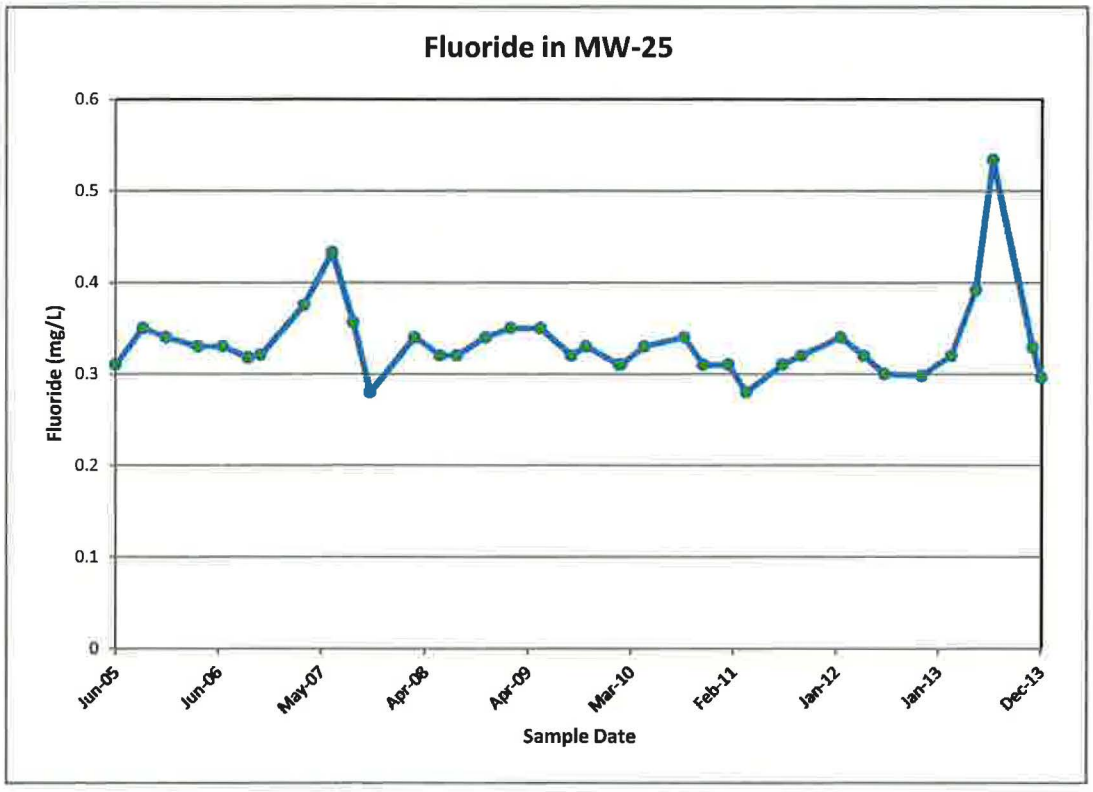
Time concentration plots for MW-24





Time concentration plots for MW-25

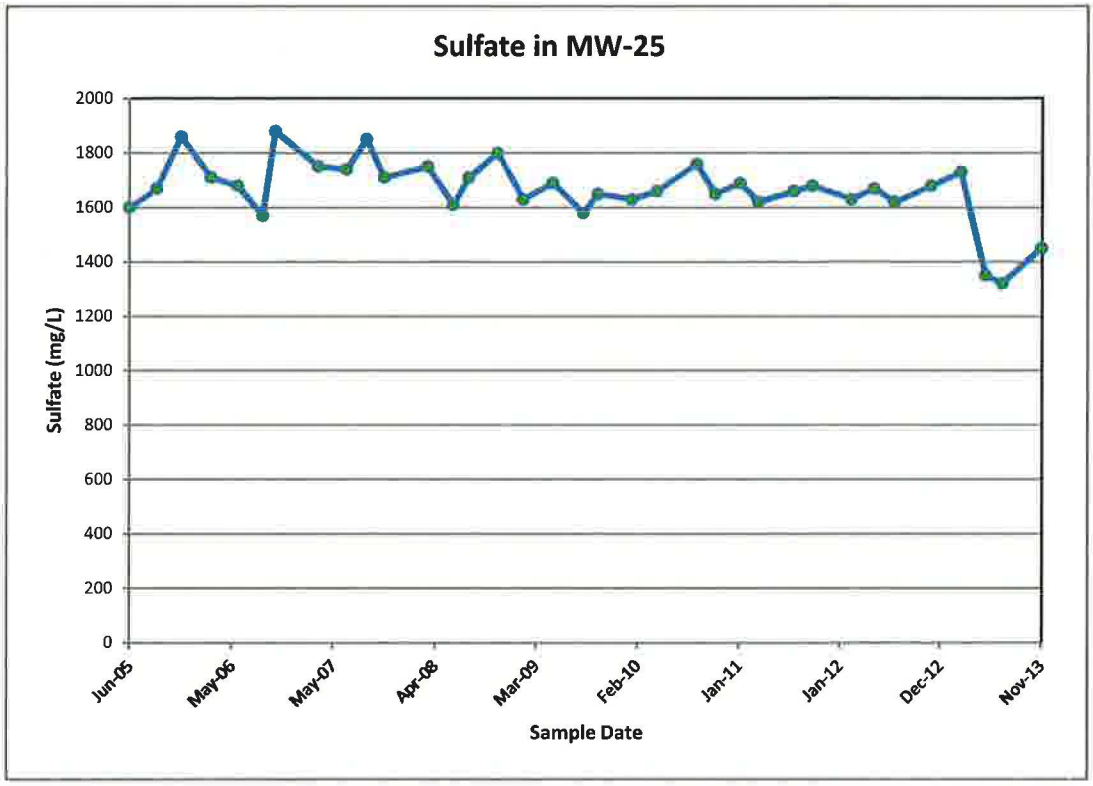


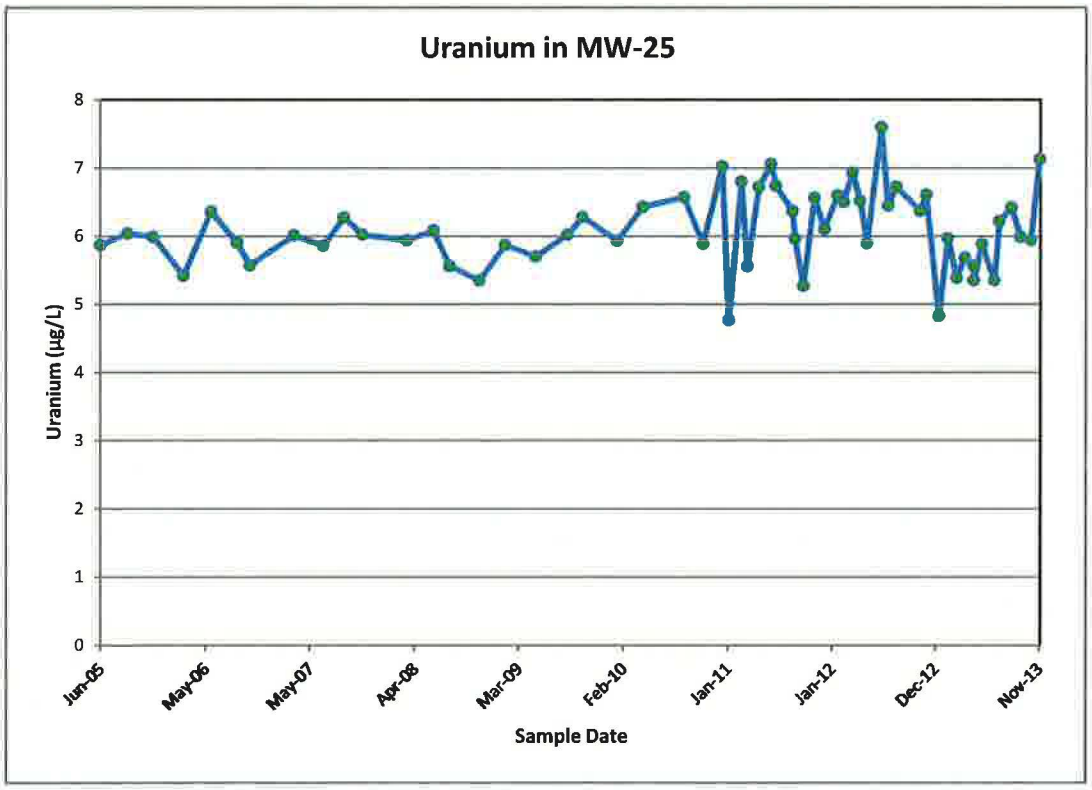


Detected Values

Non-Detected Values

Time concentration plots for MW-25

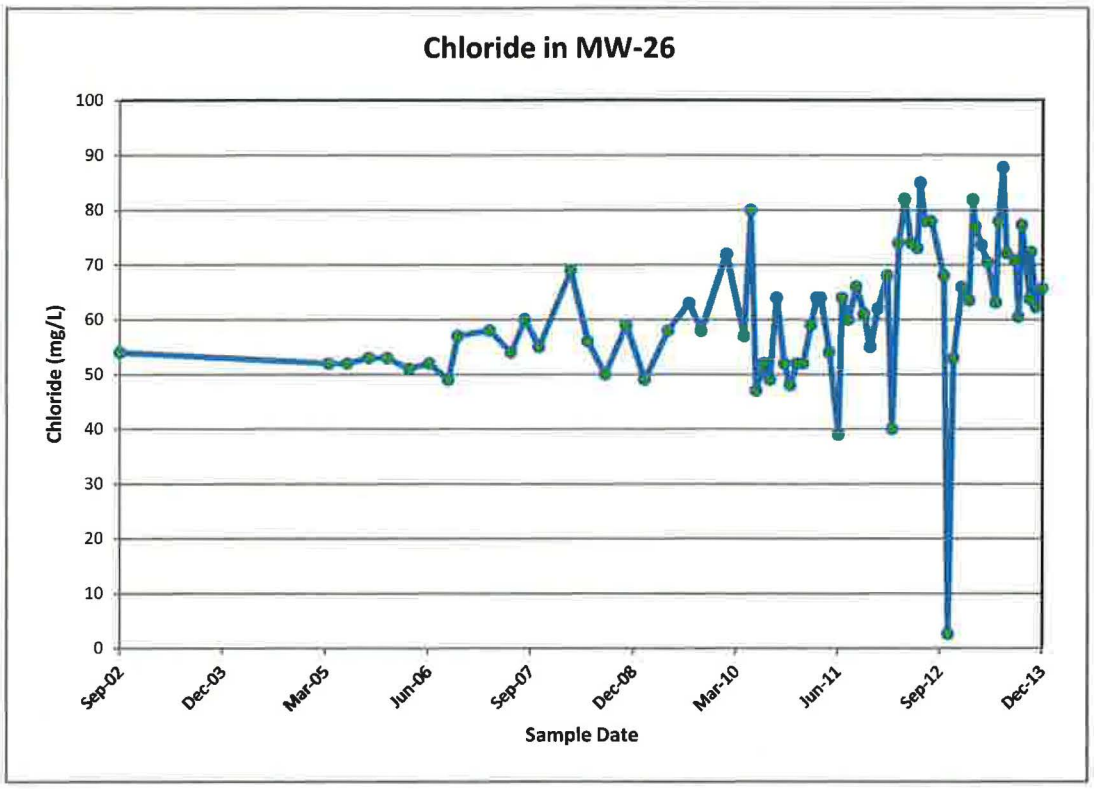


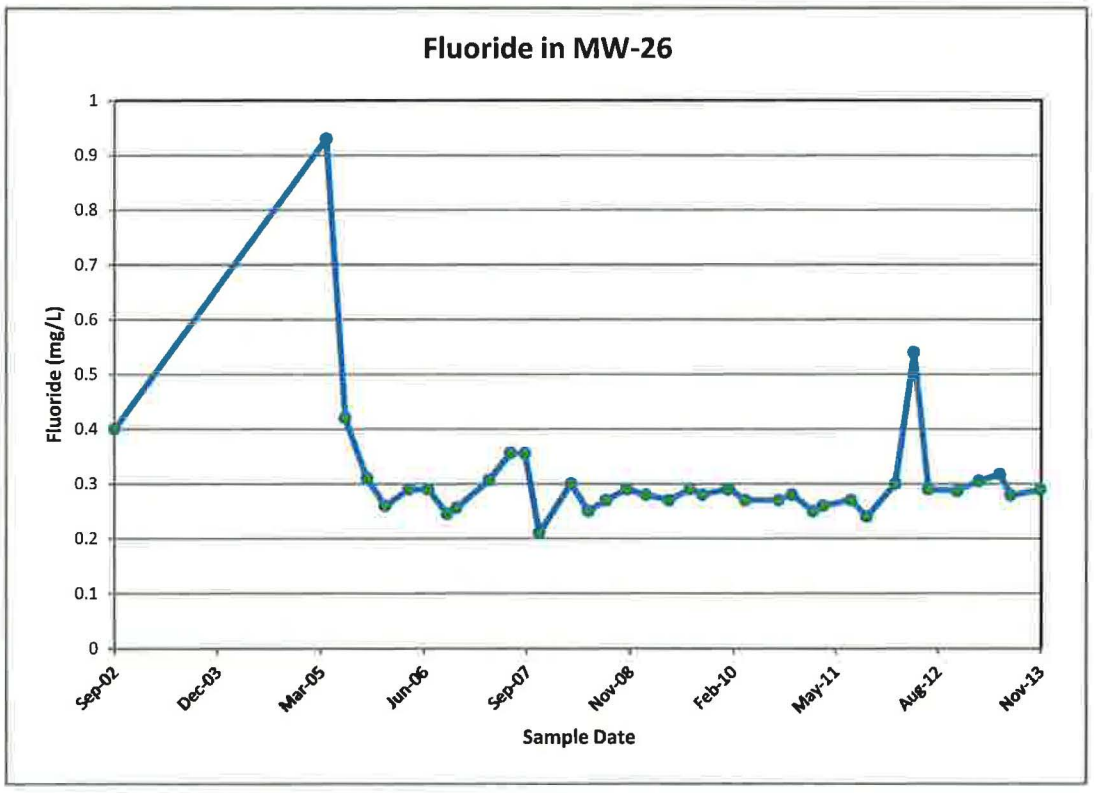


Detected Values

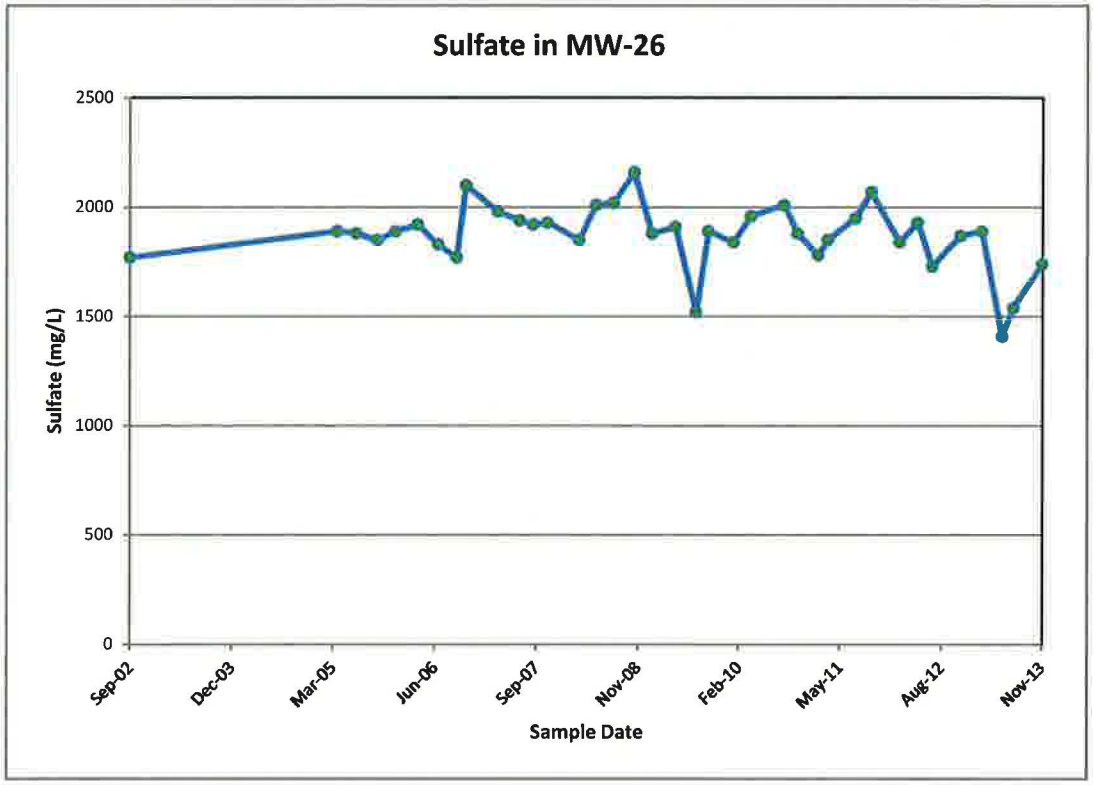
Non-Detected Values

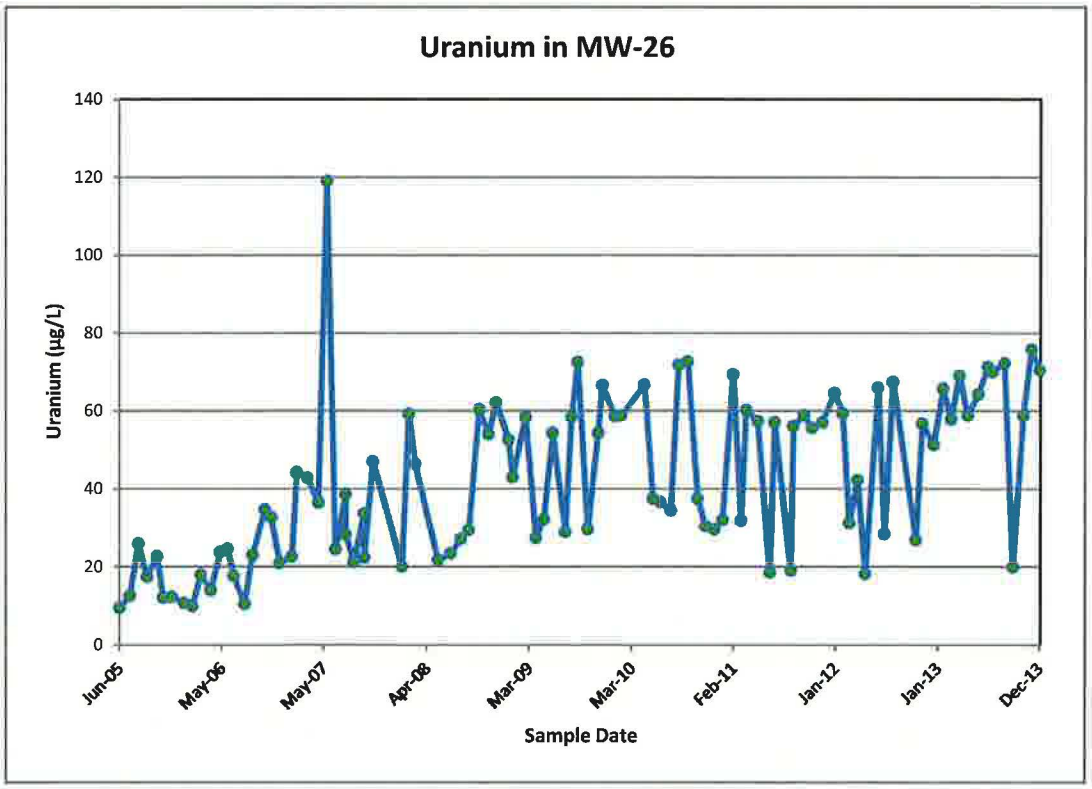
Time concentration plots for MW-26



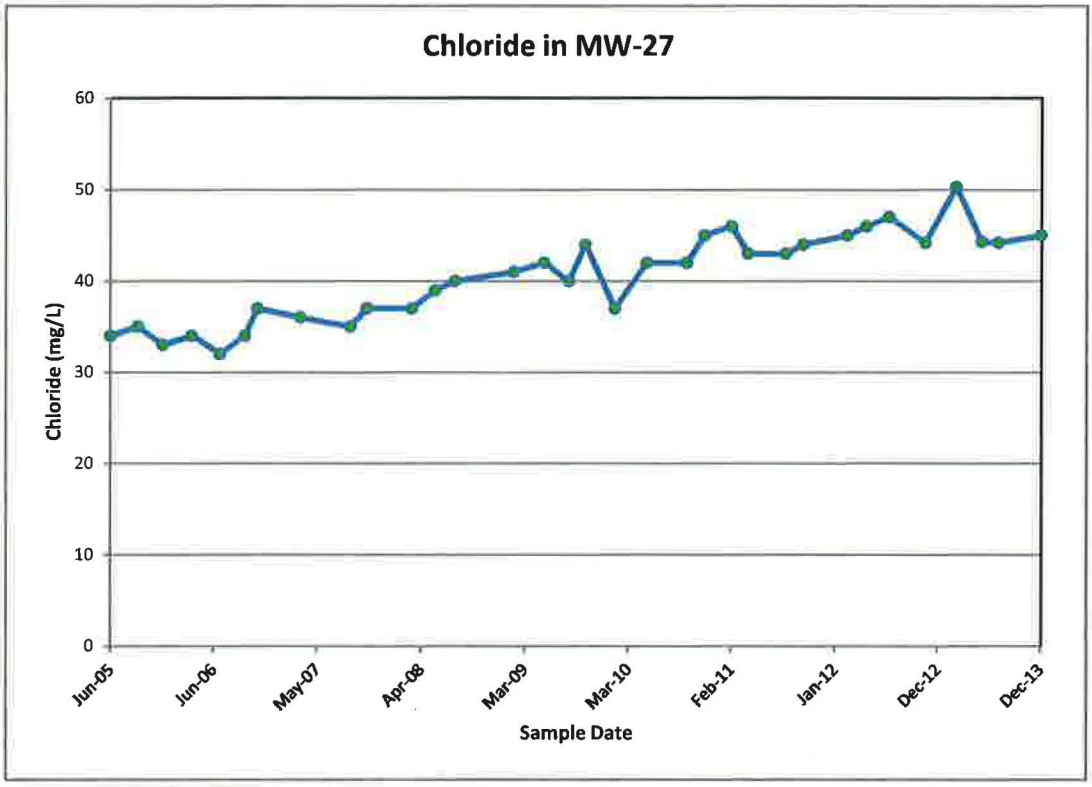


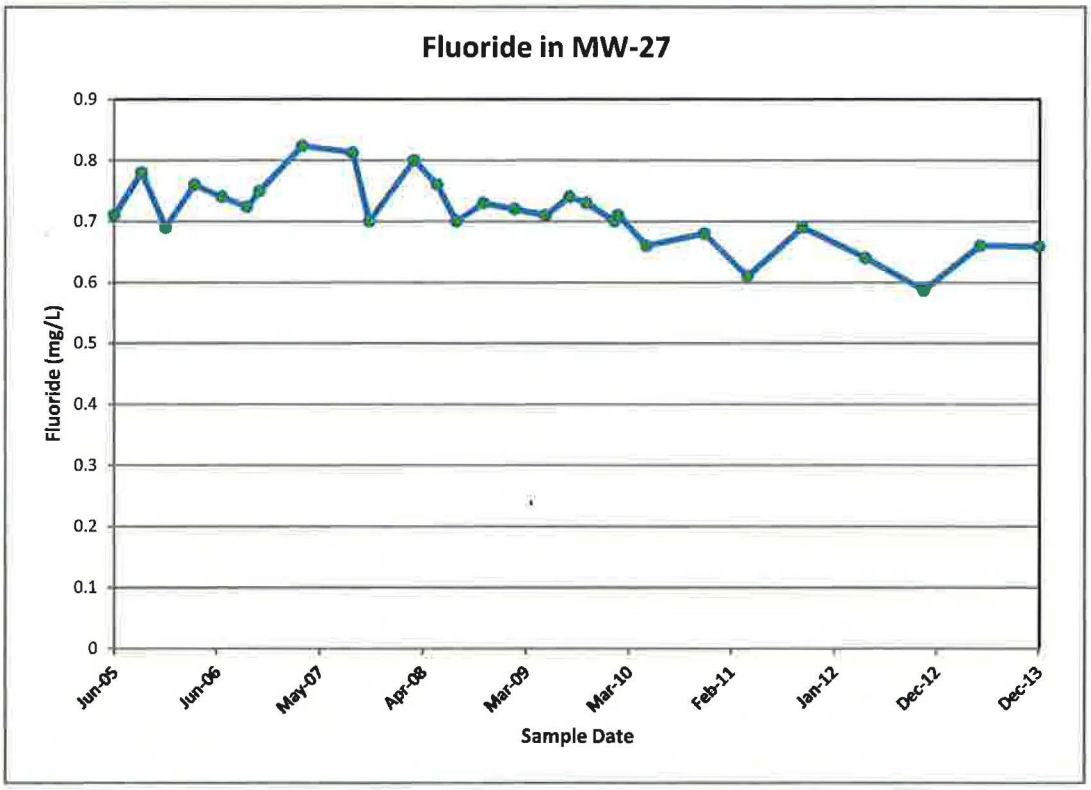
Time concentration plots for MW-26



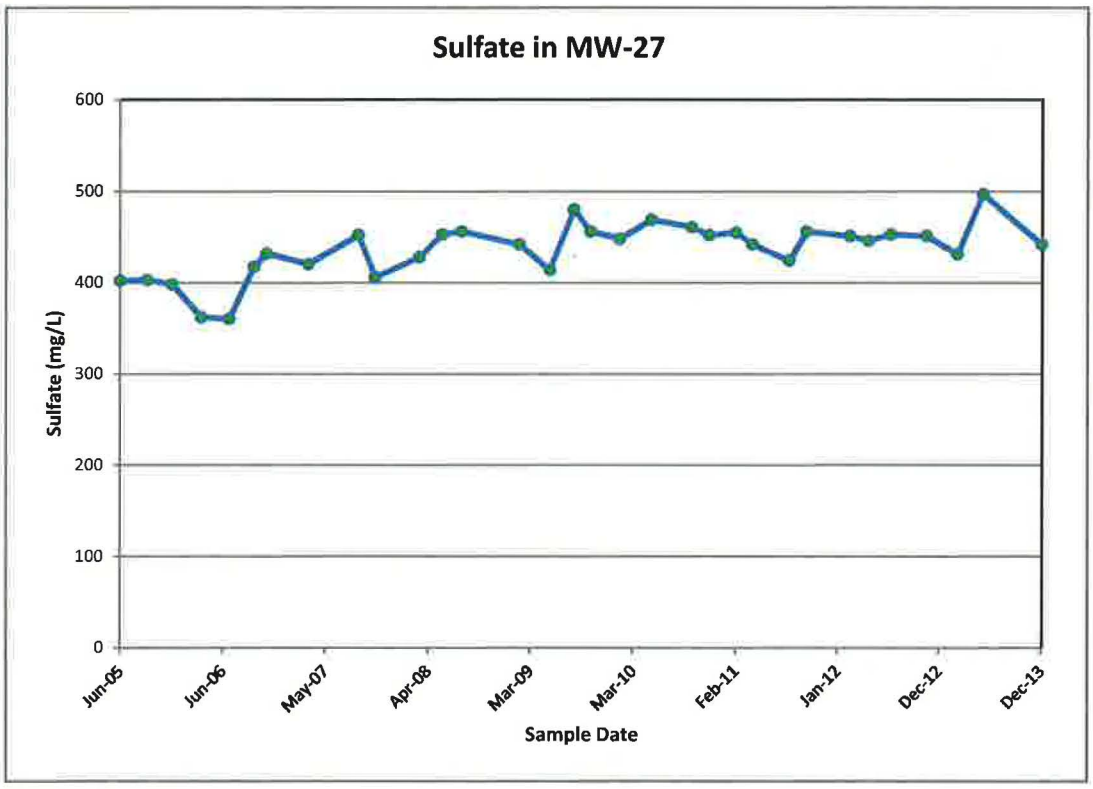


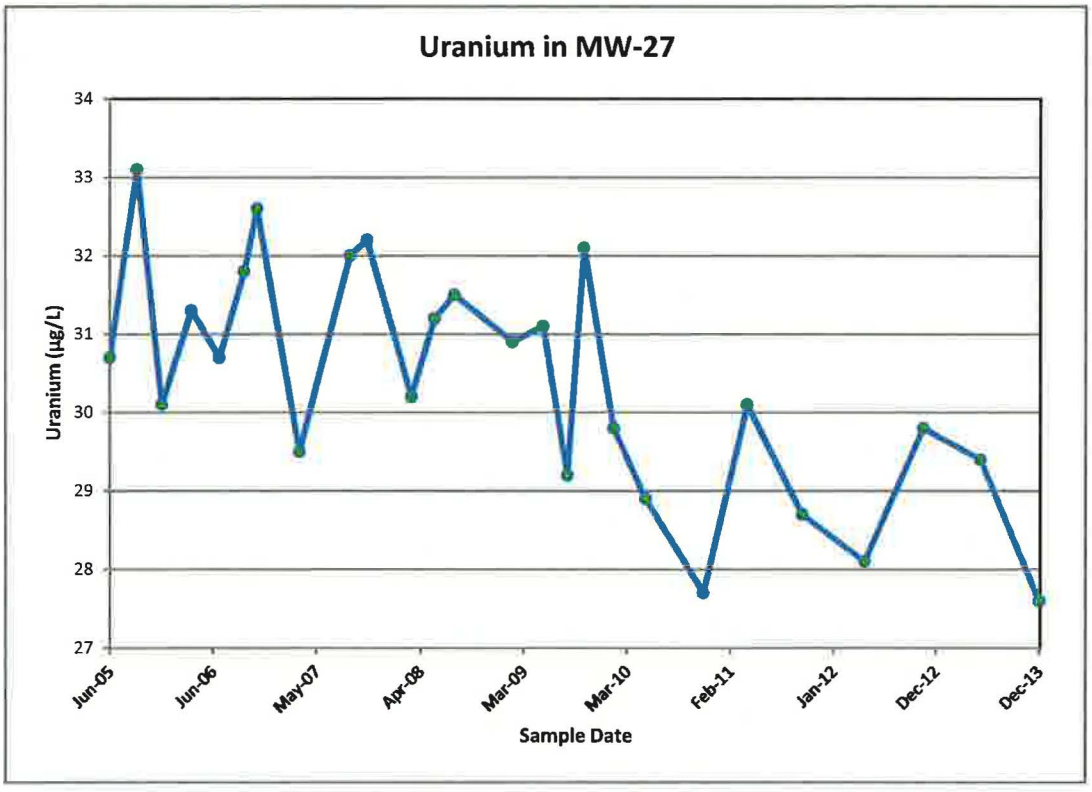
Time concentration plots for MW-27



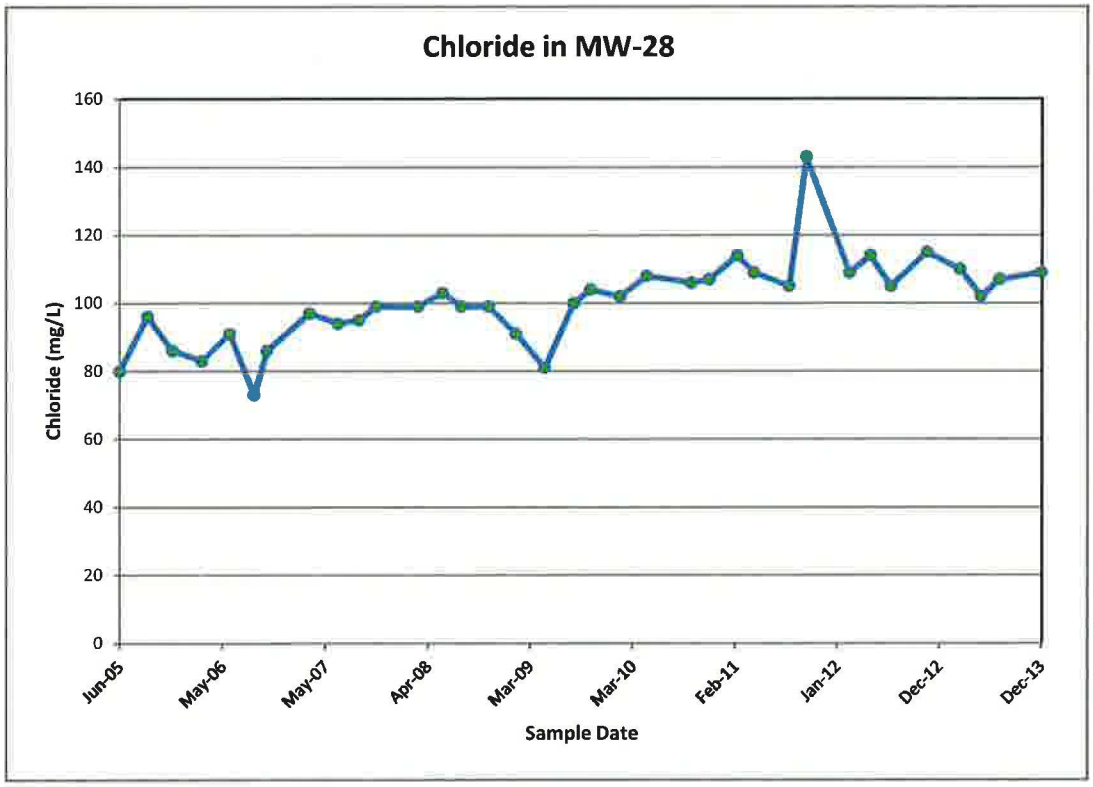


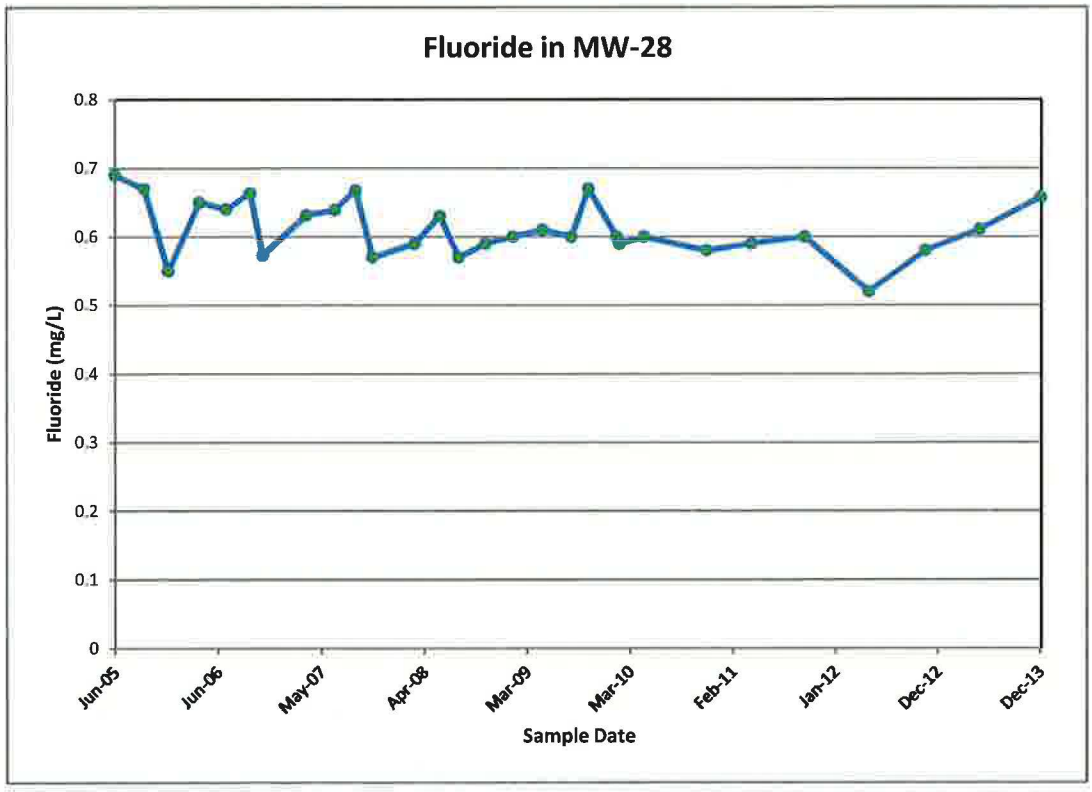
Time concentration plots for MW-27



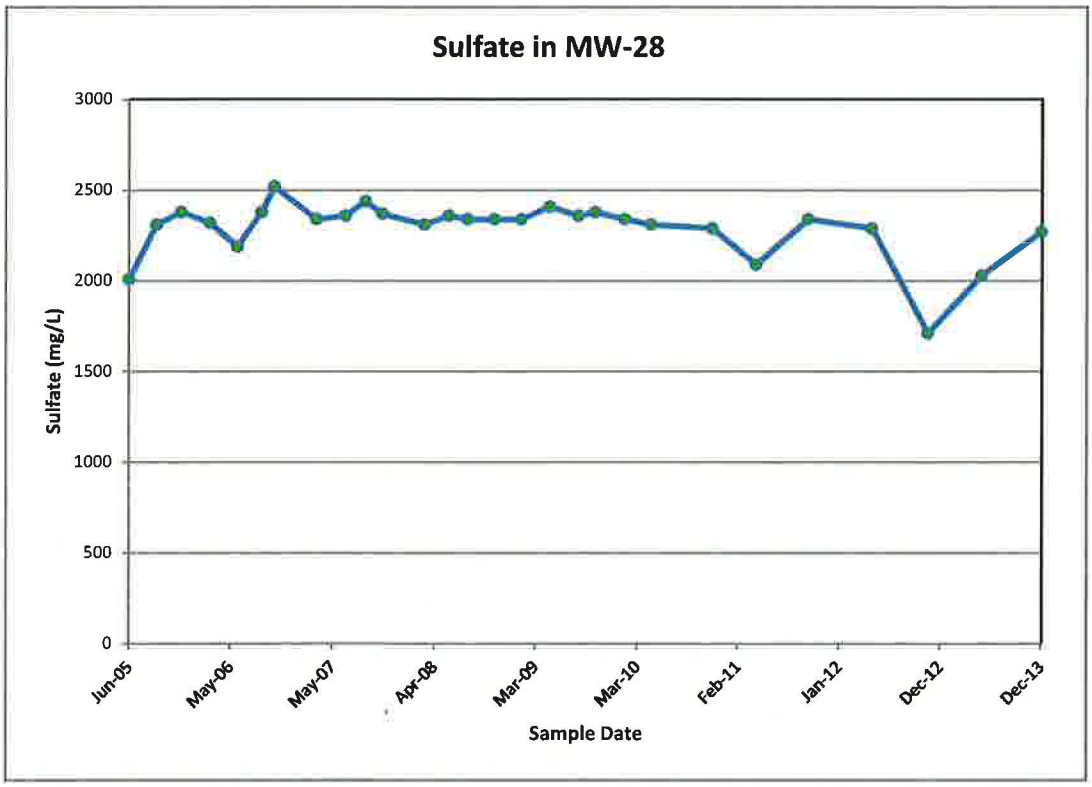


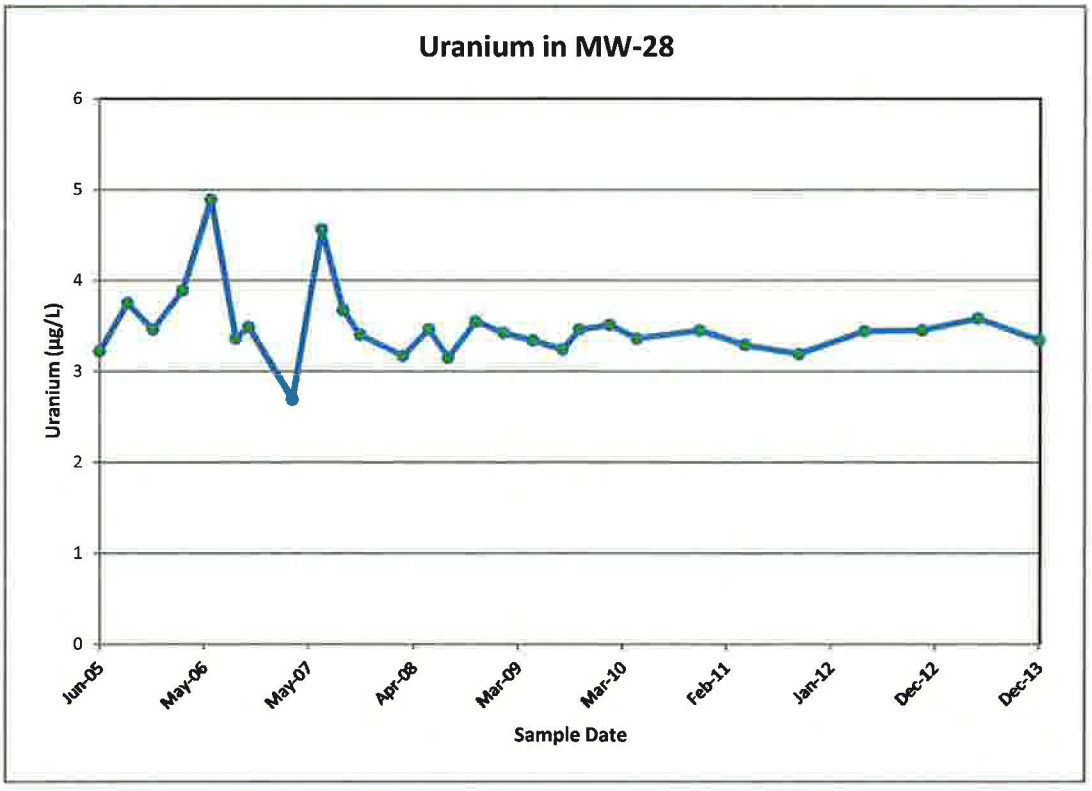
Time concentration plots for MW-28



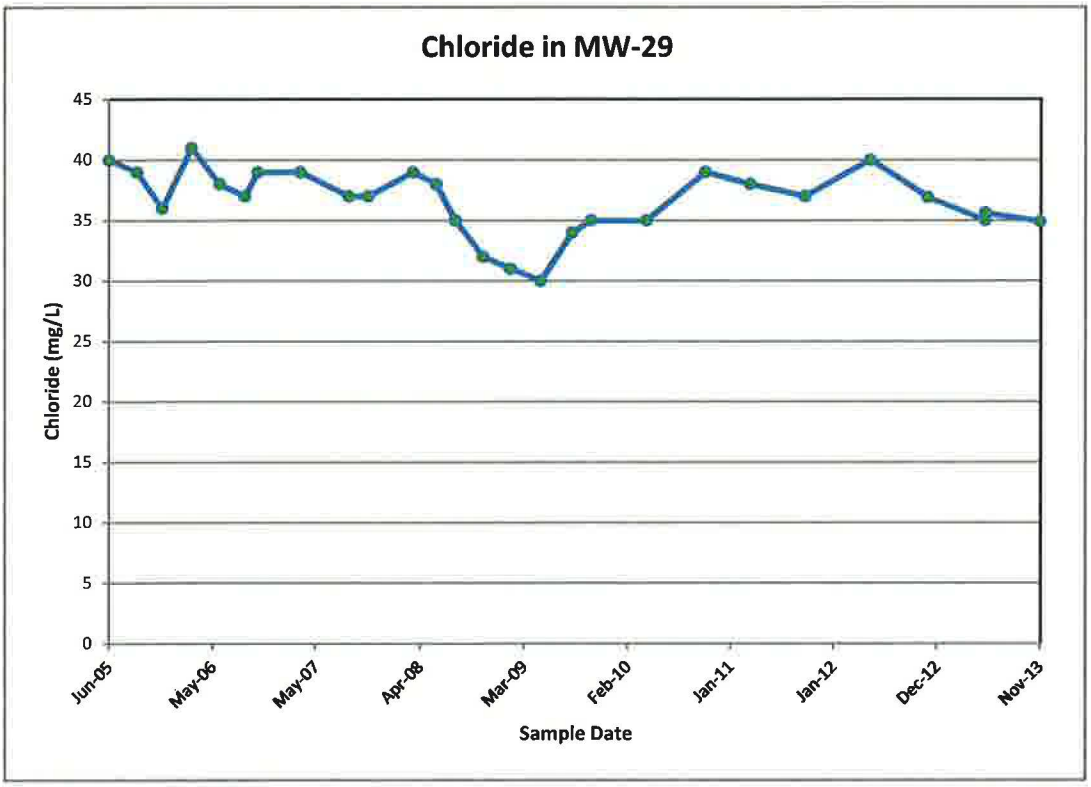


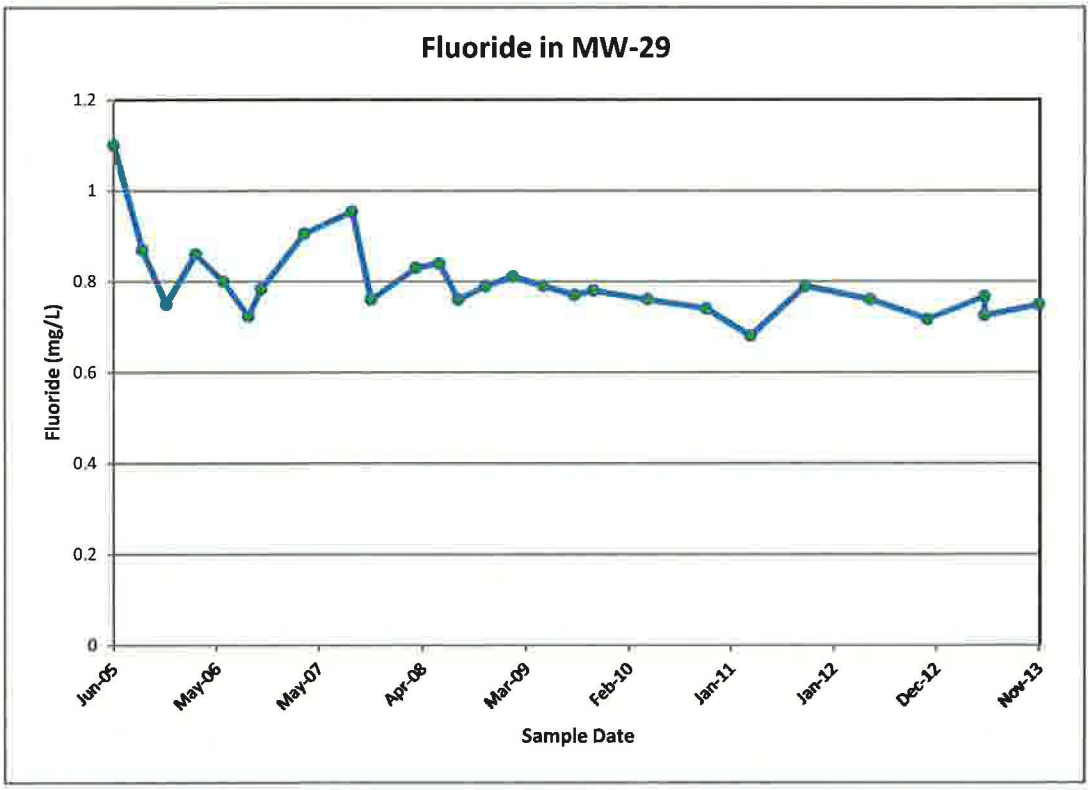
Time concentration plots for MW-28





Time concentration plots for MW-29

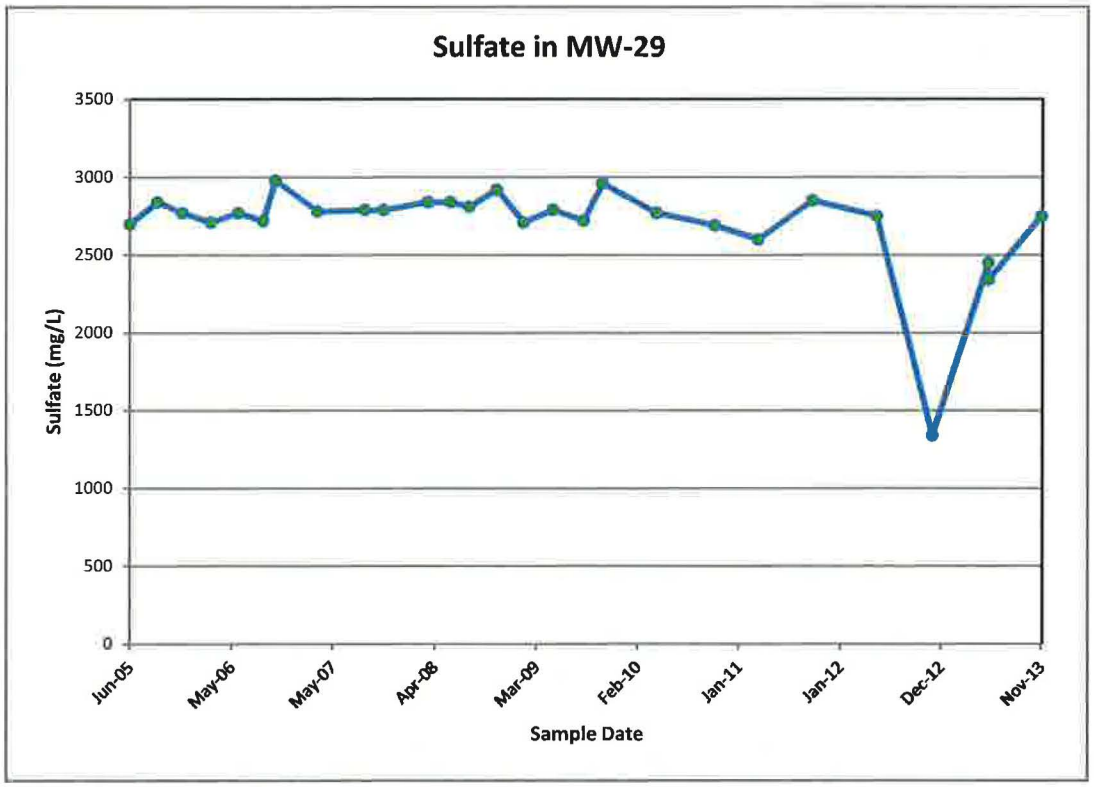


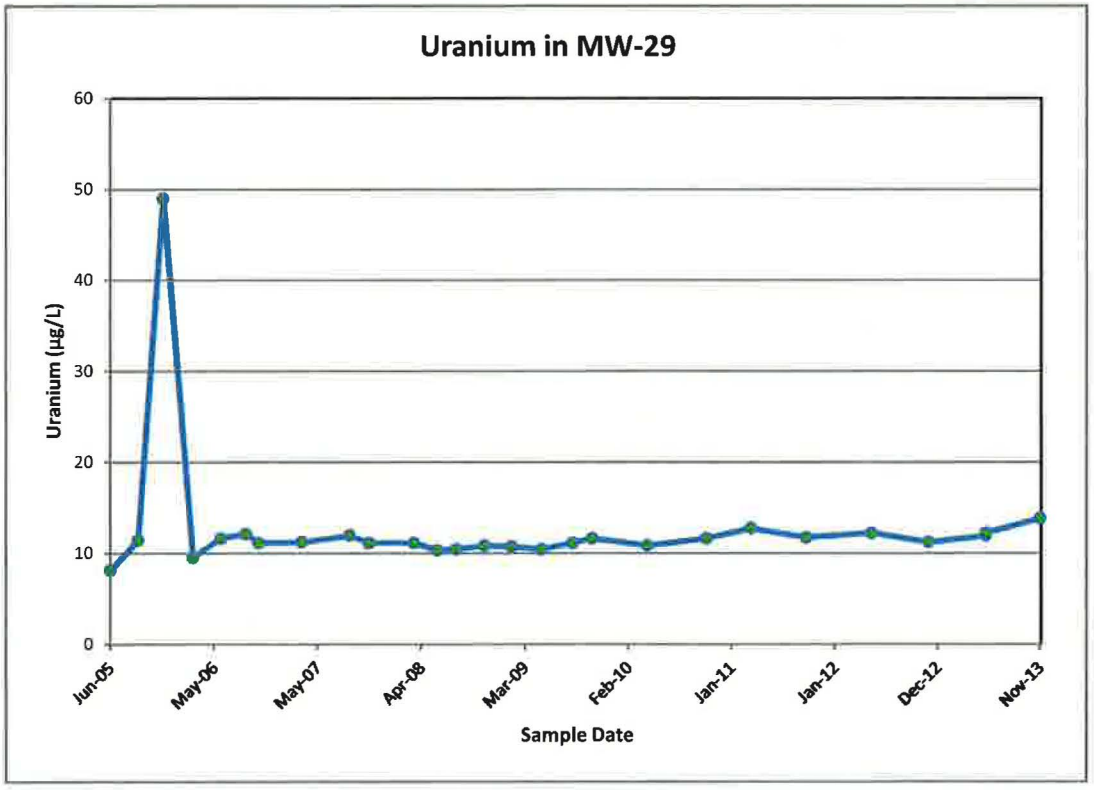


Detected Values

Non-Detected Values

Time concentration plots for MW-29

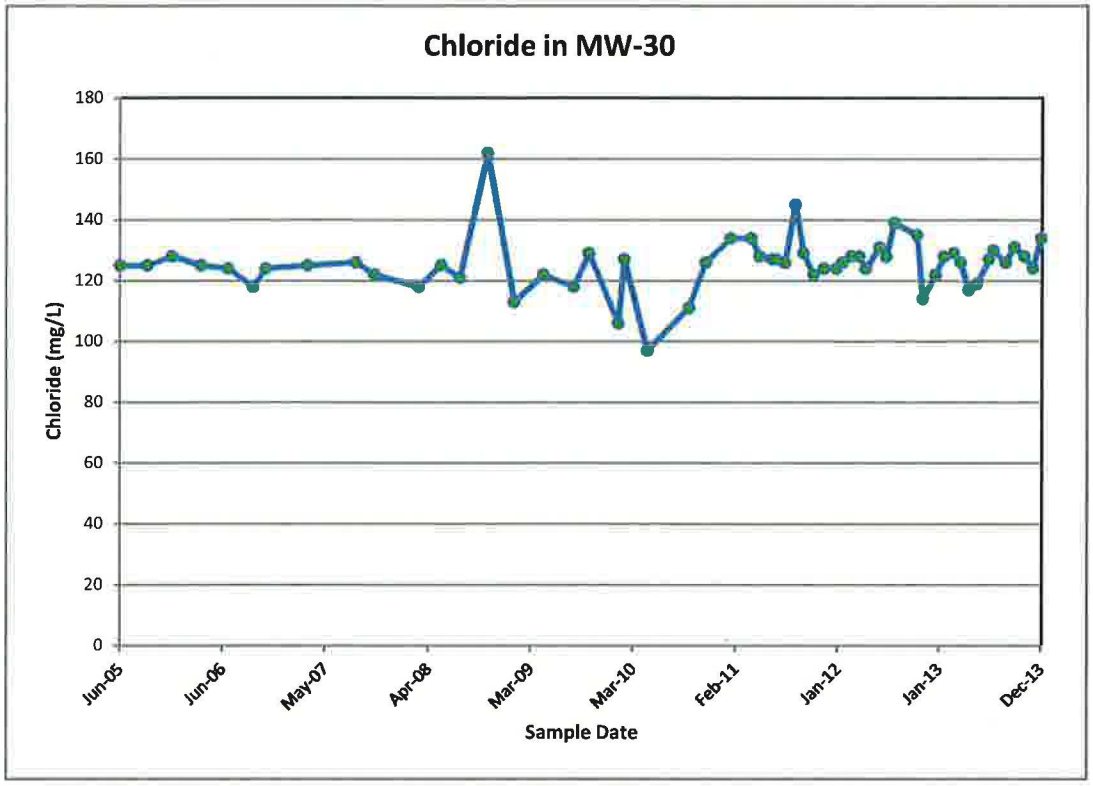


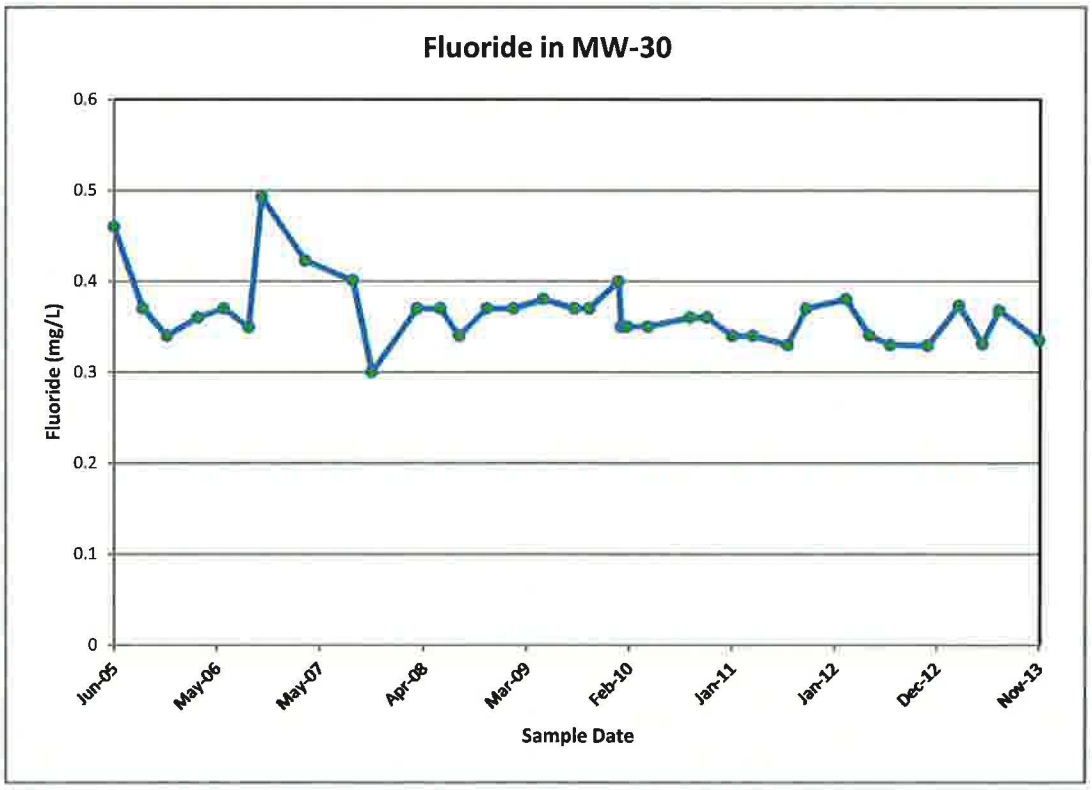


Detected Values

Non-Detected Values

Time concentration plots for MW-30

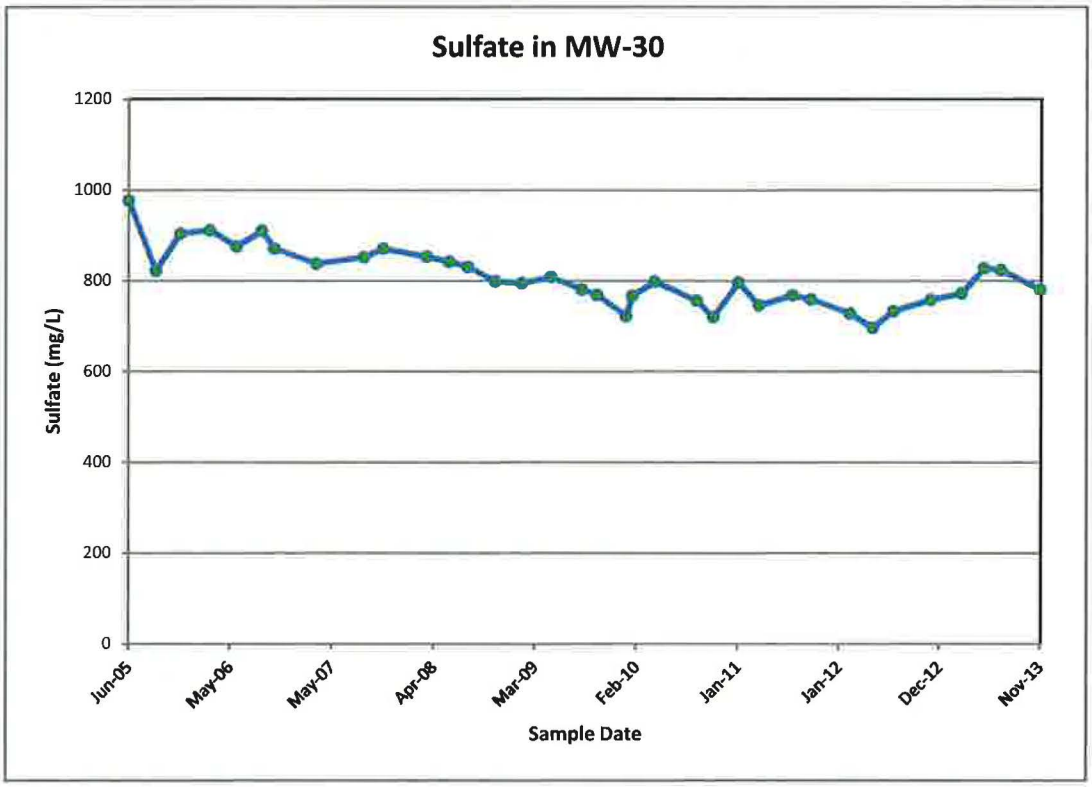


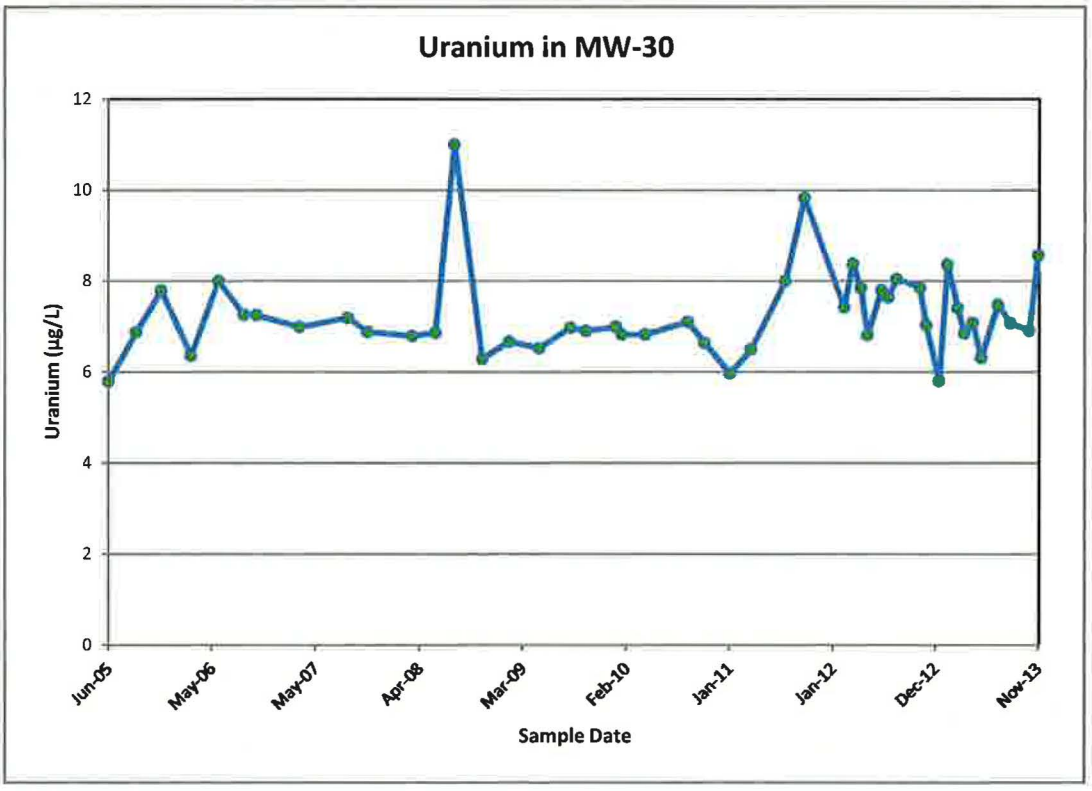


Detected Values

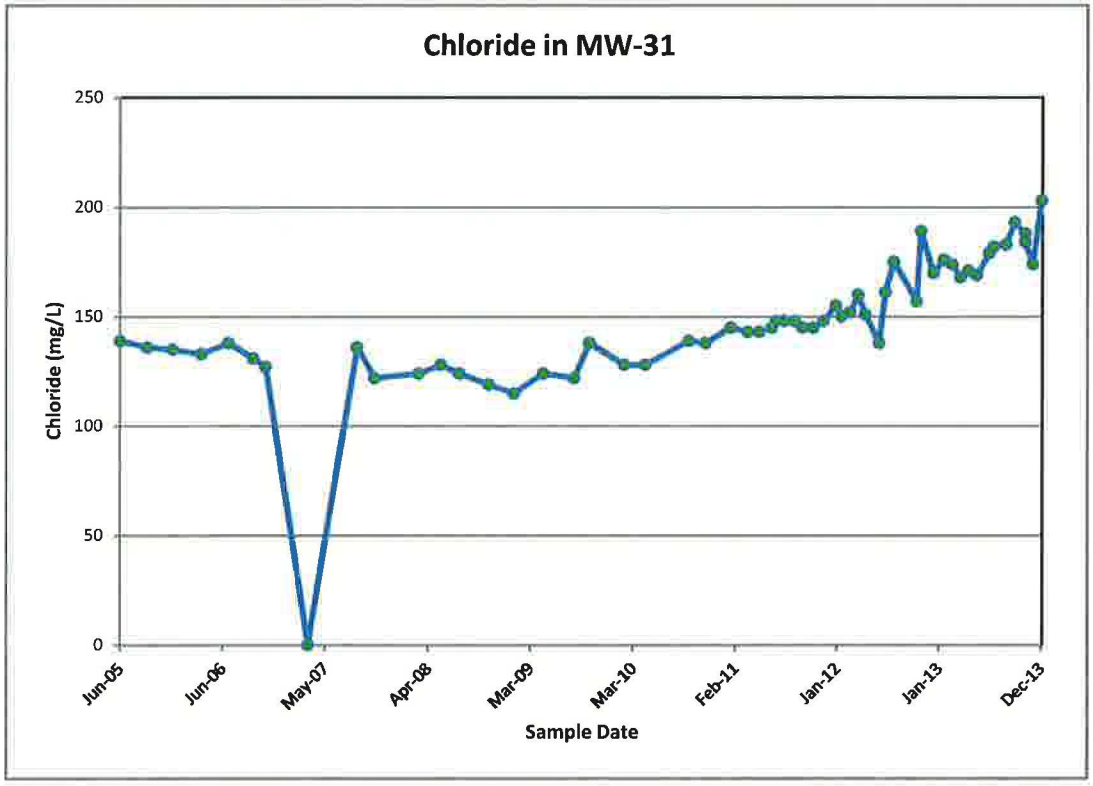
Non-Detected Values

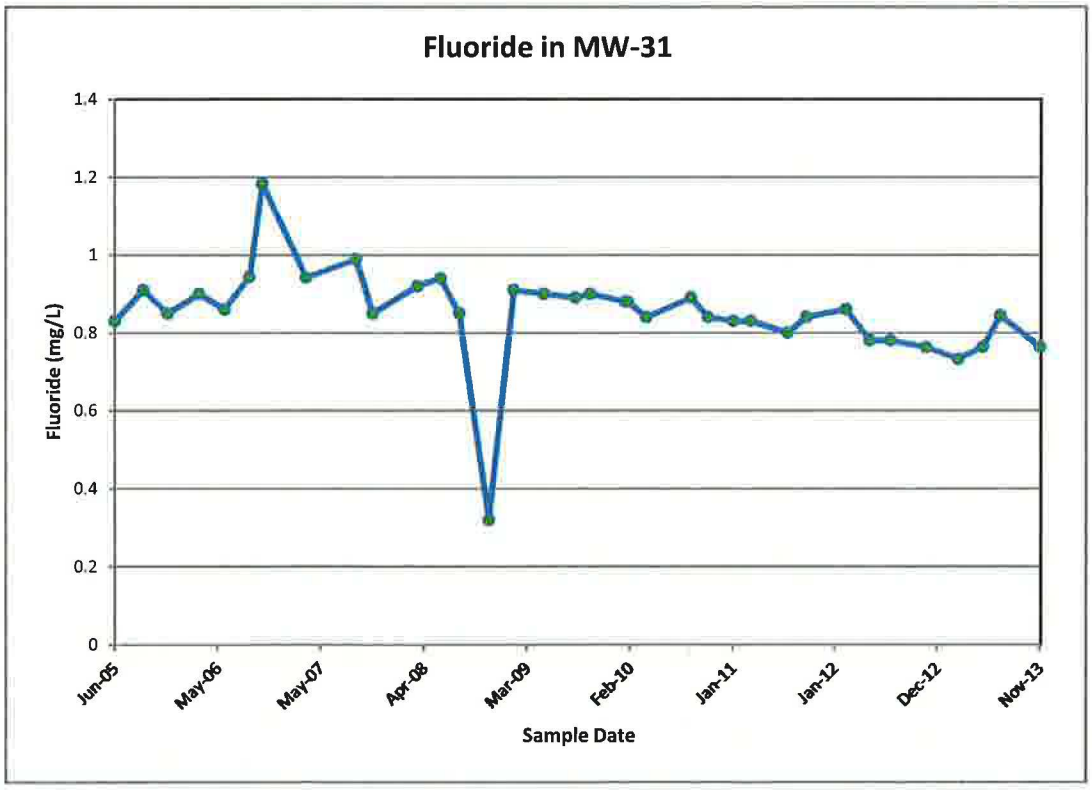
Time concentration plots for MW-30



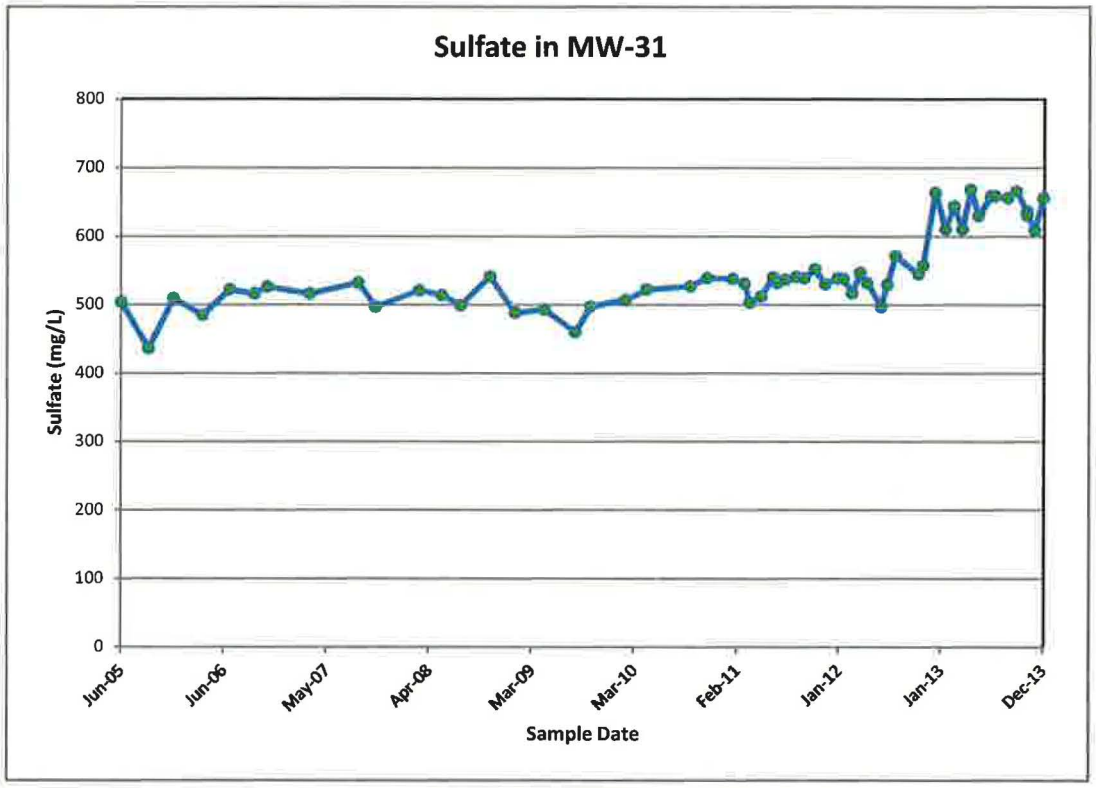


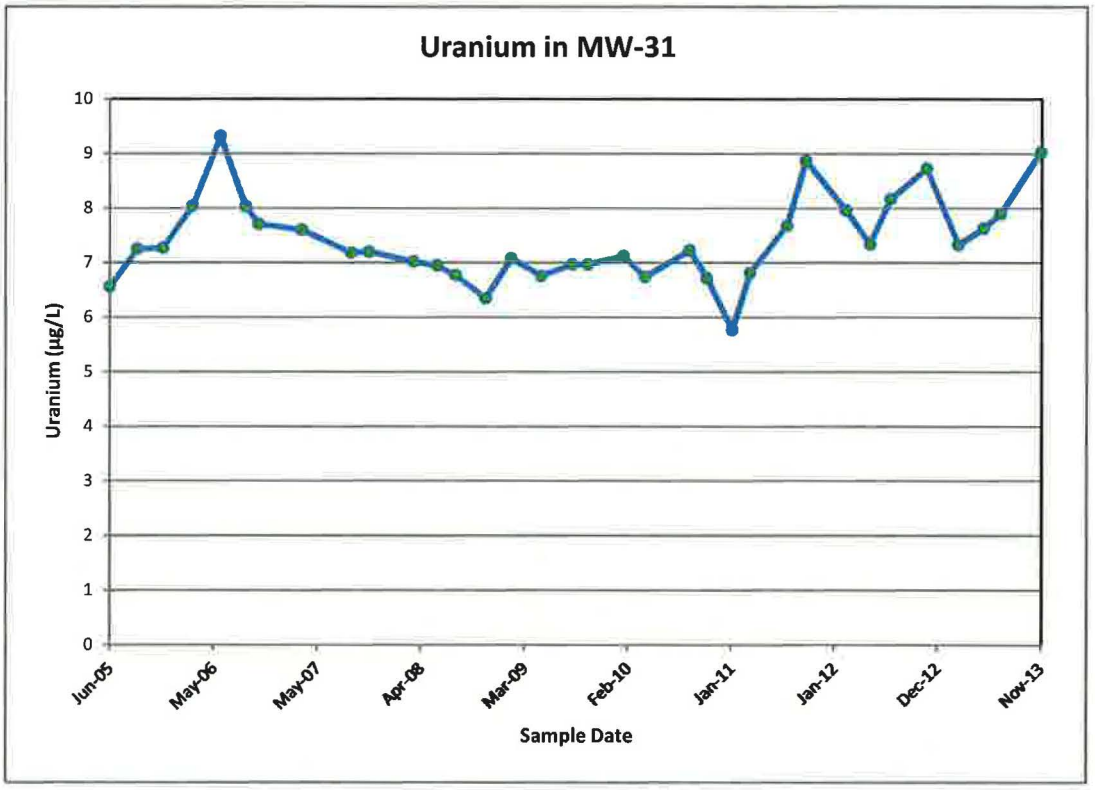
Time concentration plots for MW-31



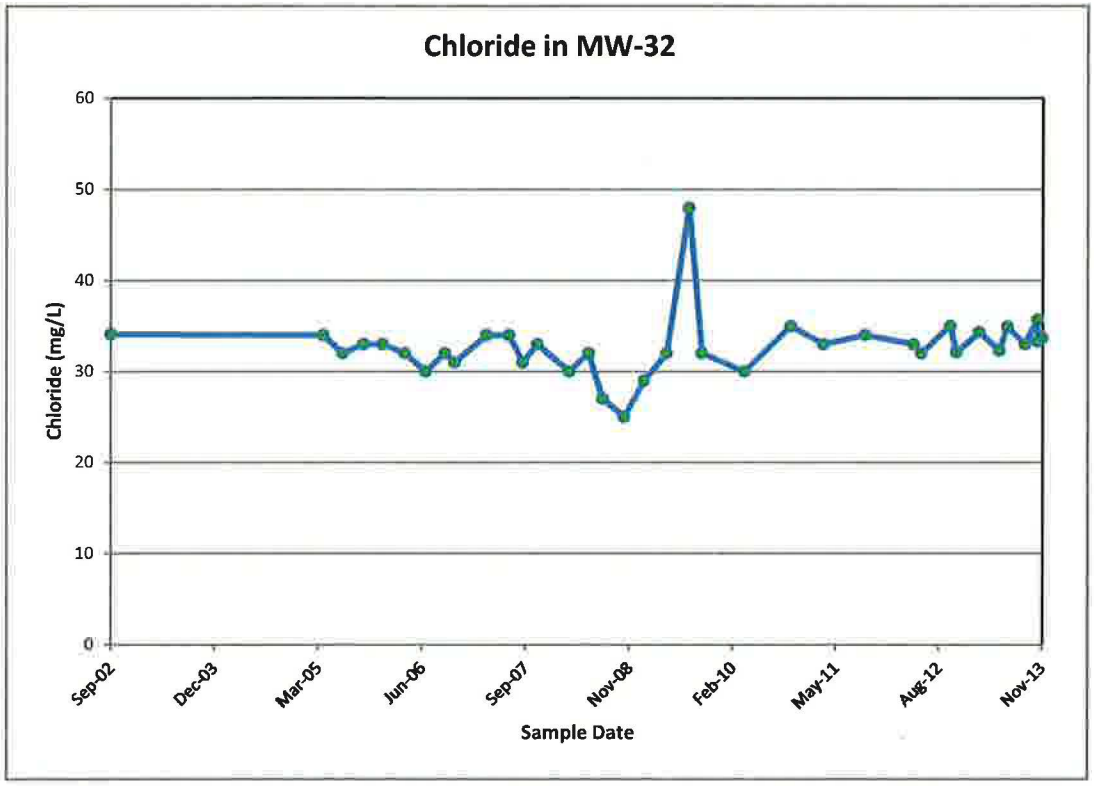


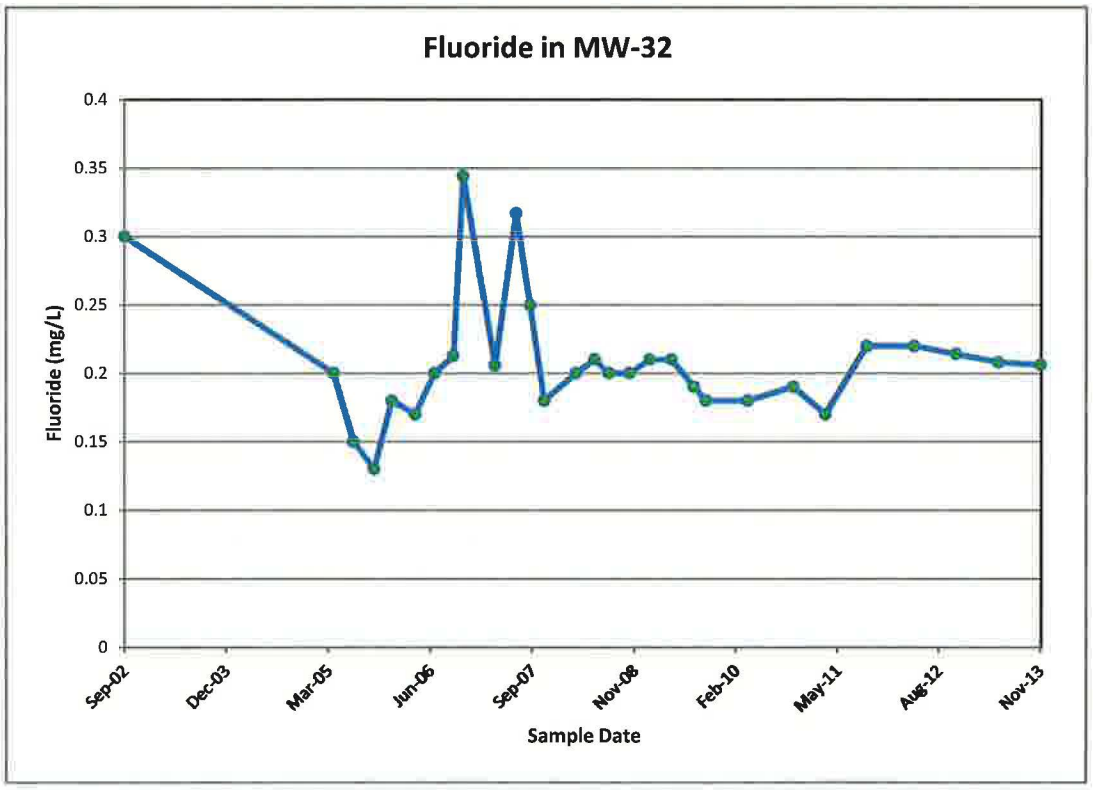
Time concentration plots for MW-31



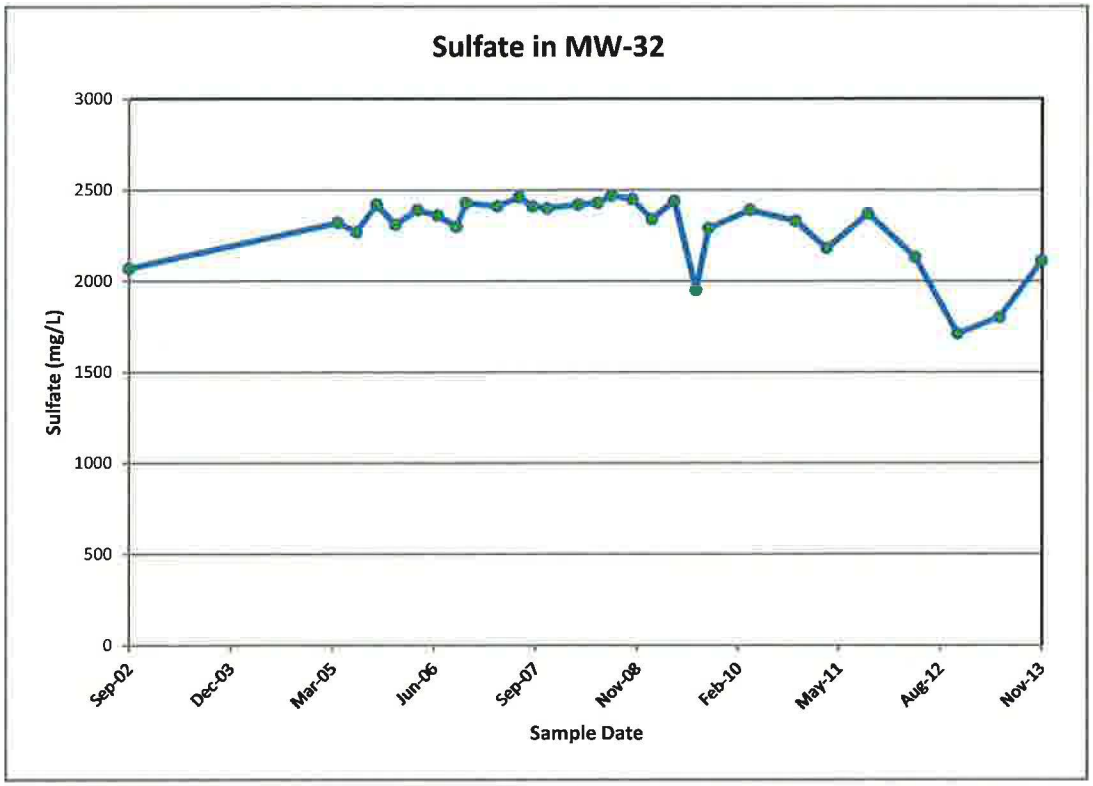


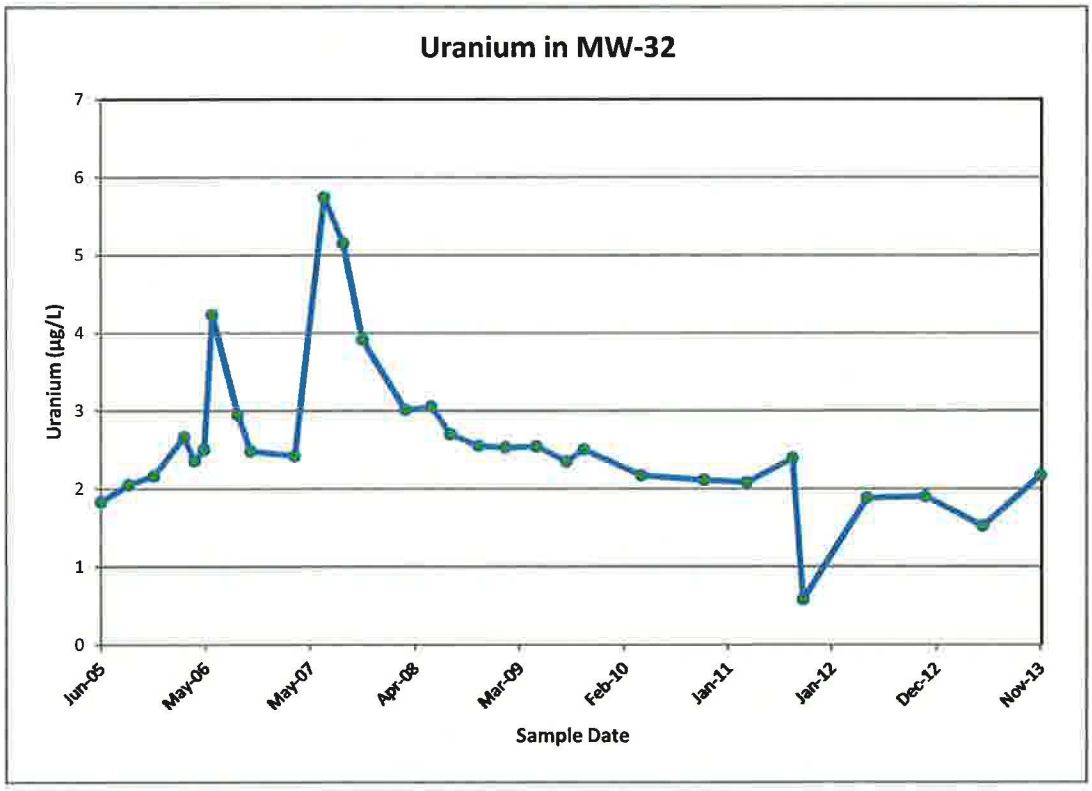
Time concentration plots for MW-32



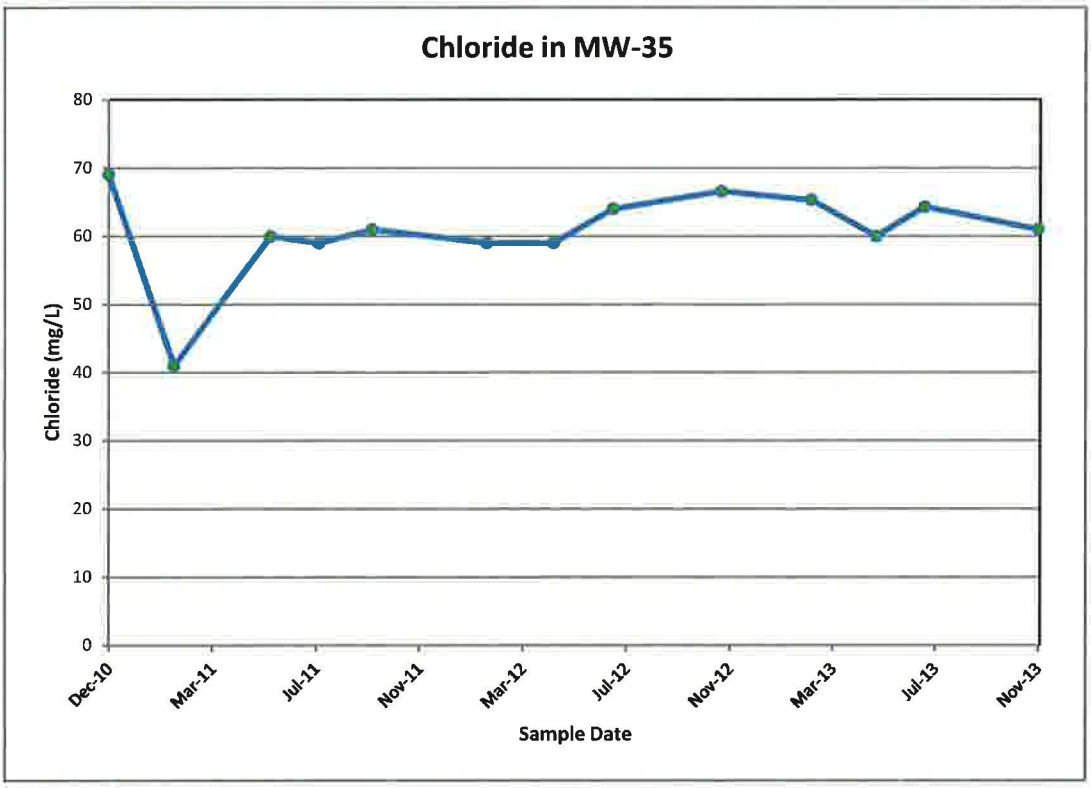


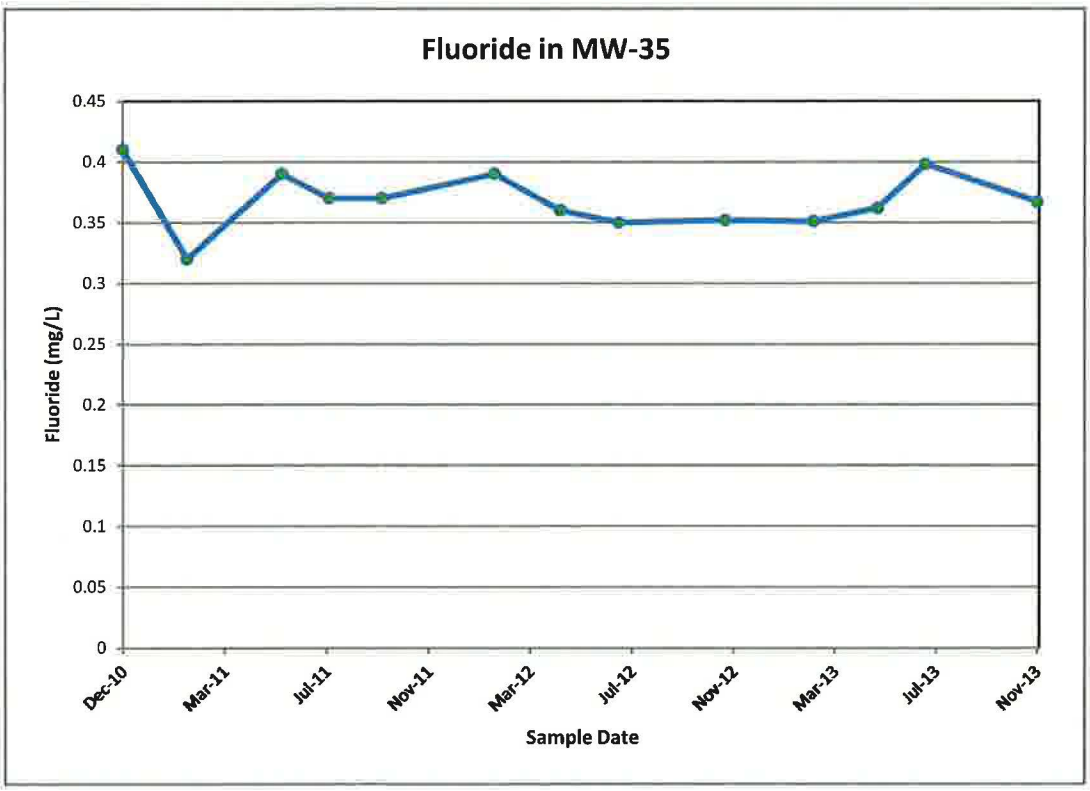
Time concentration plots for MW-32



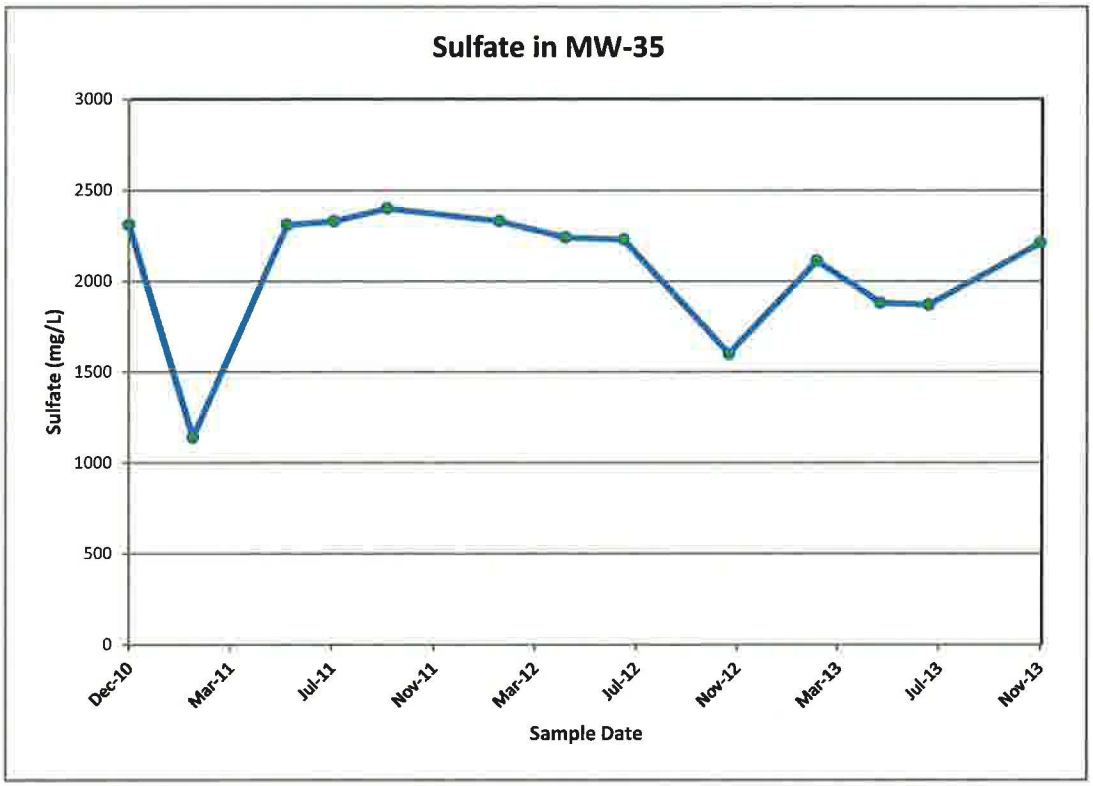


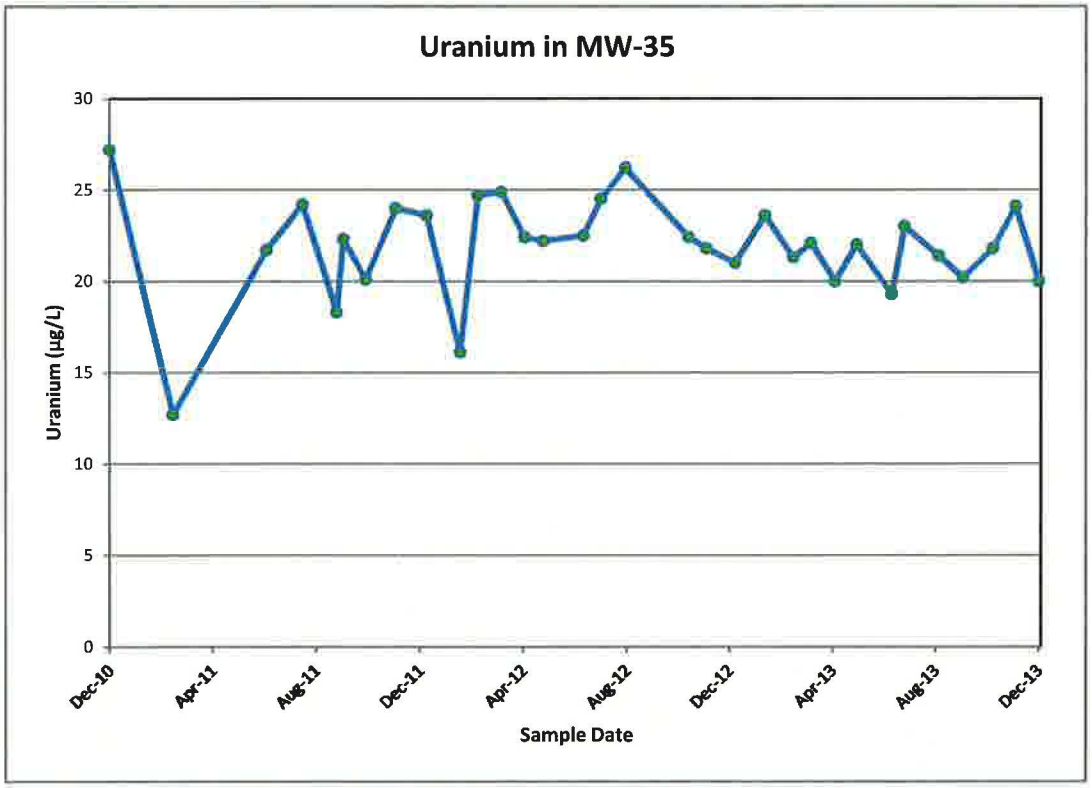
Time concentration plots for MW-35



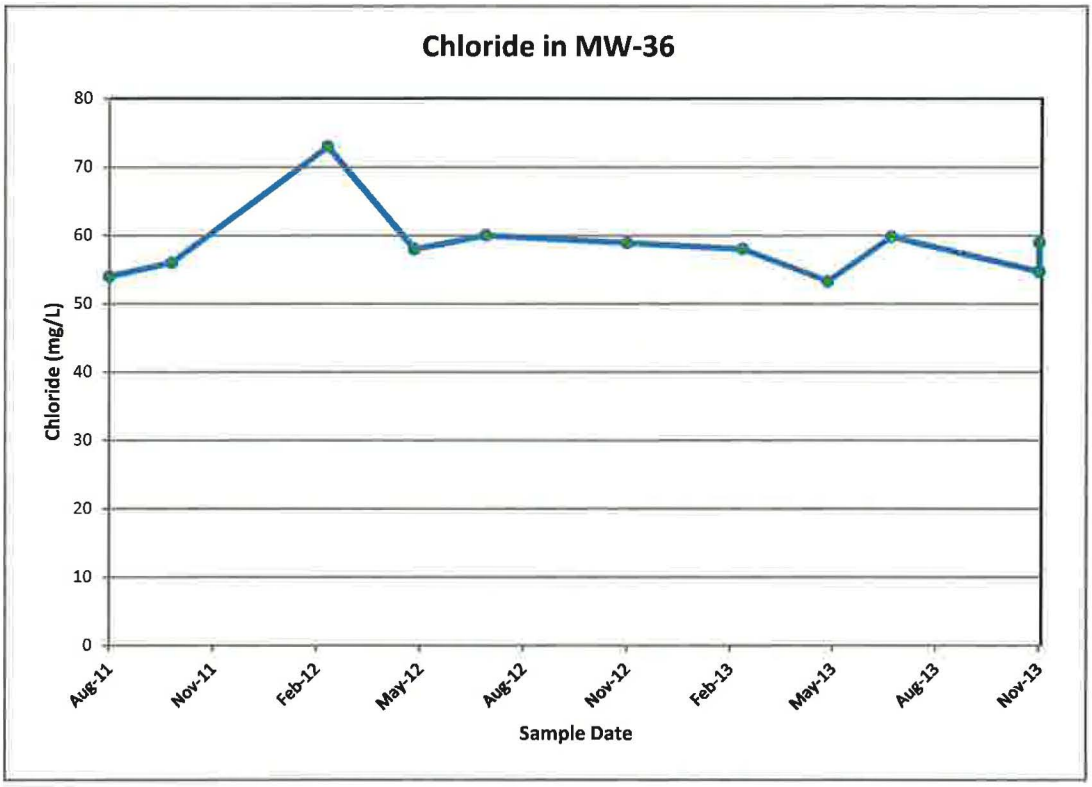


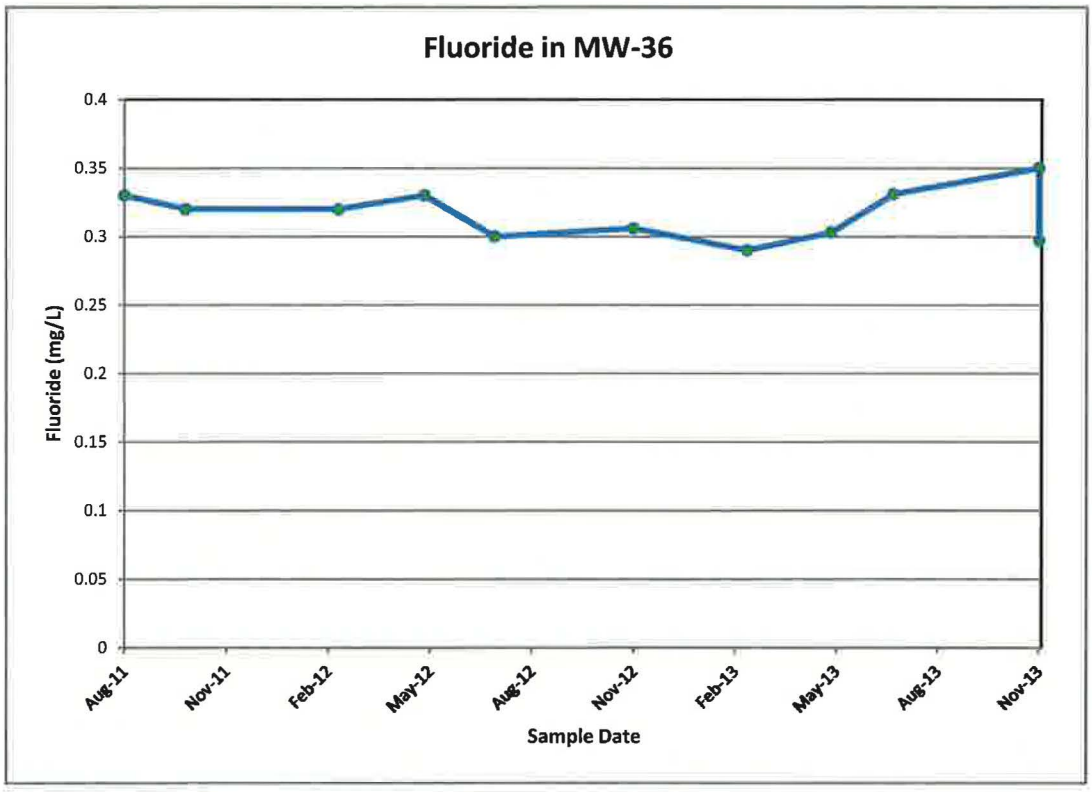
Time concentration plots for MW-35



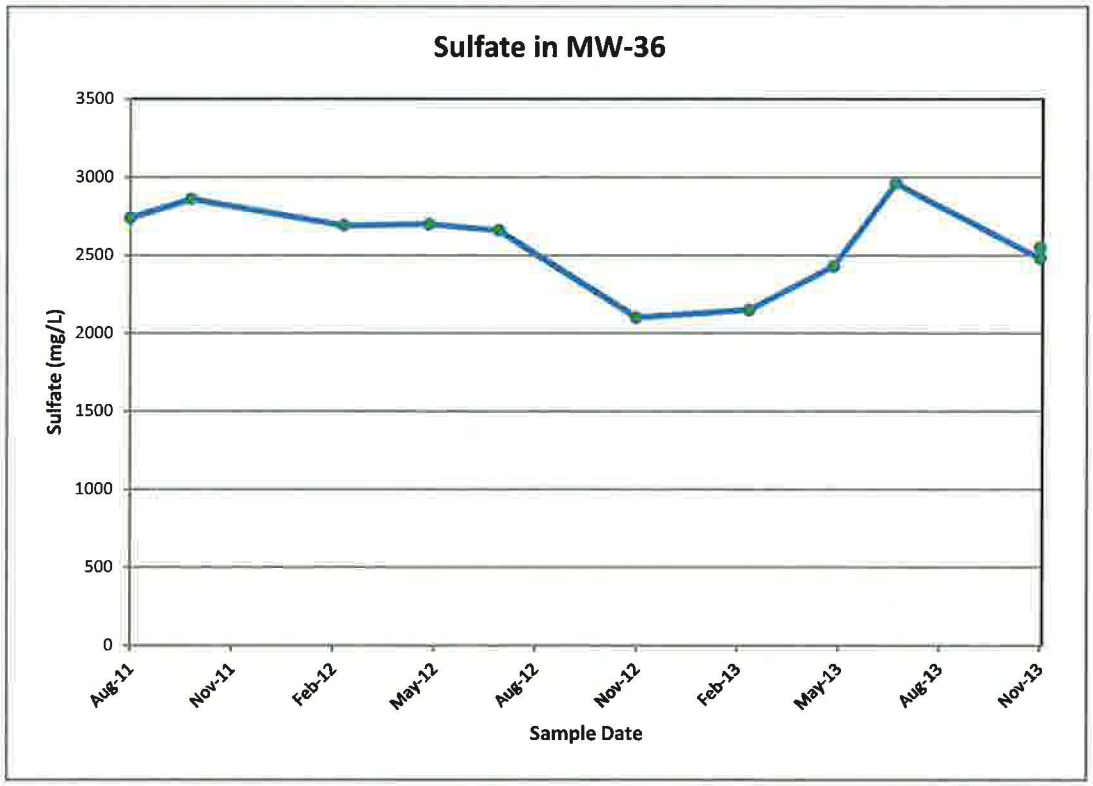


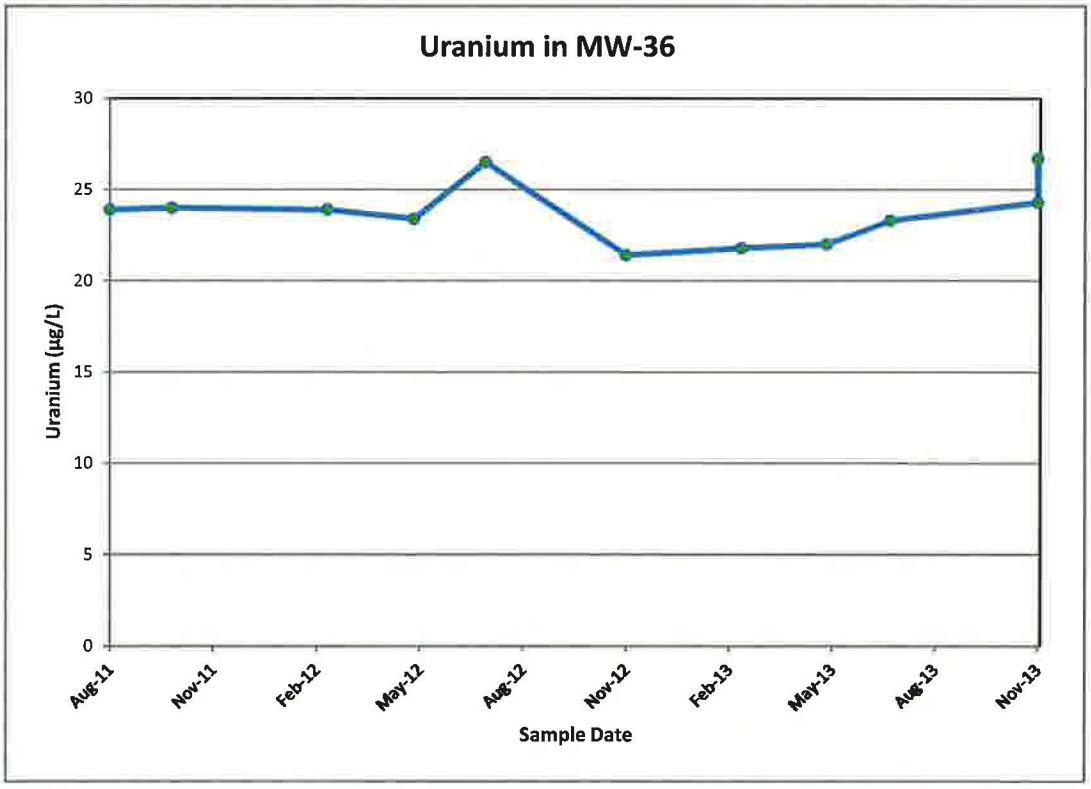
Time concentration plots for MW-36



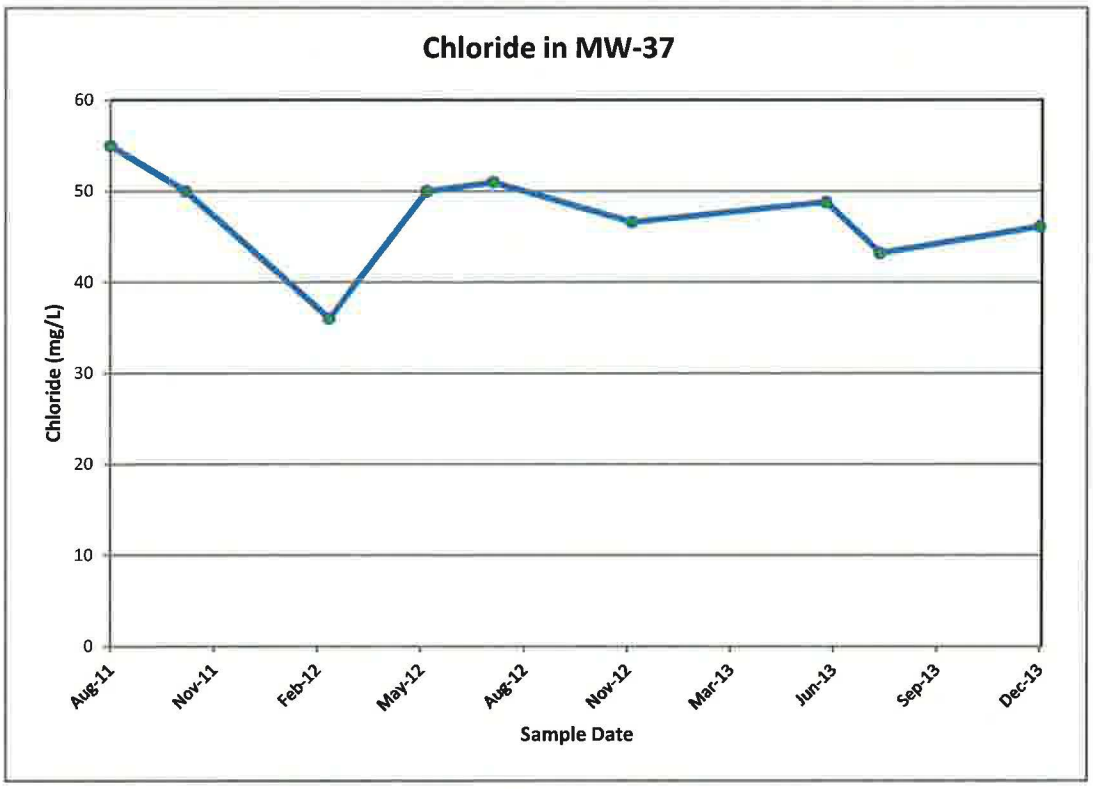


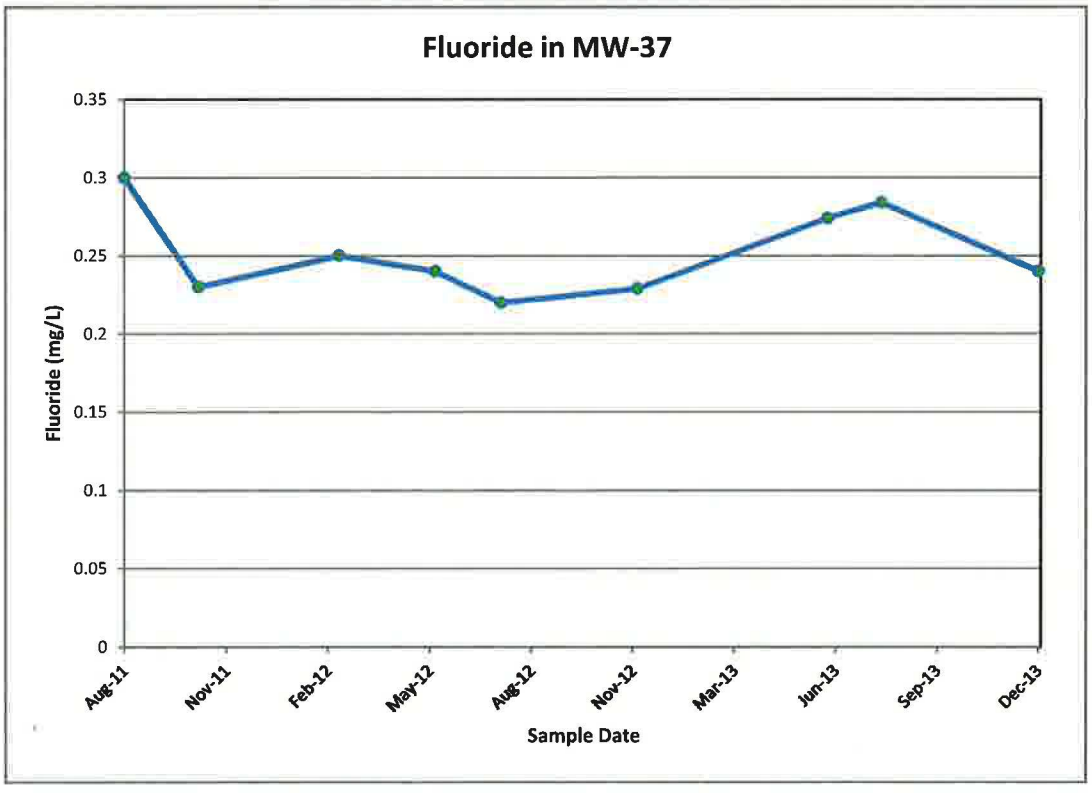
Time concentration plots for MW-36



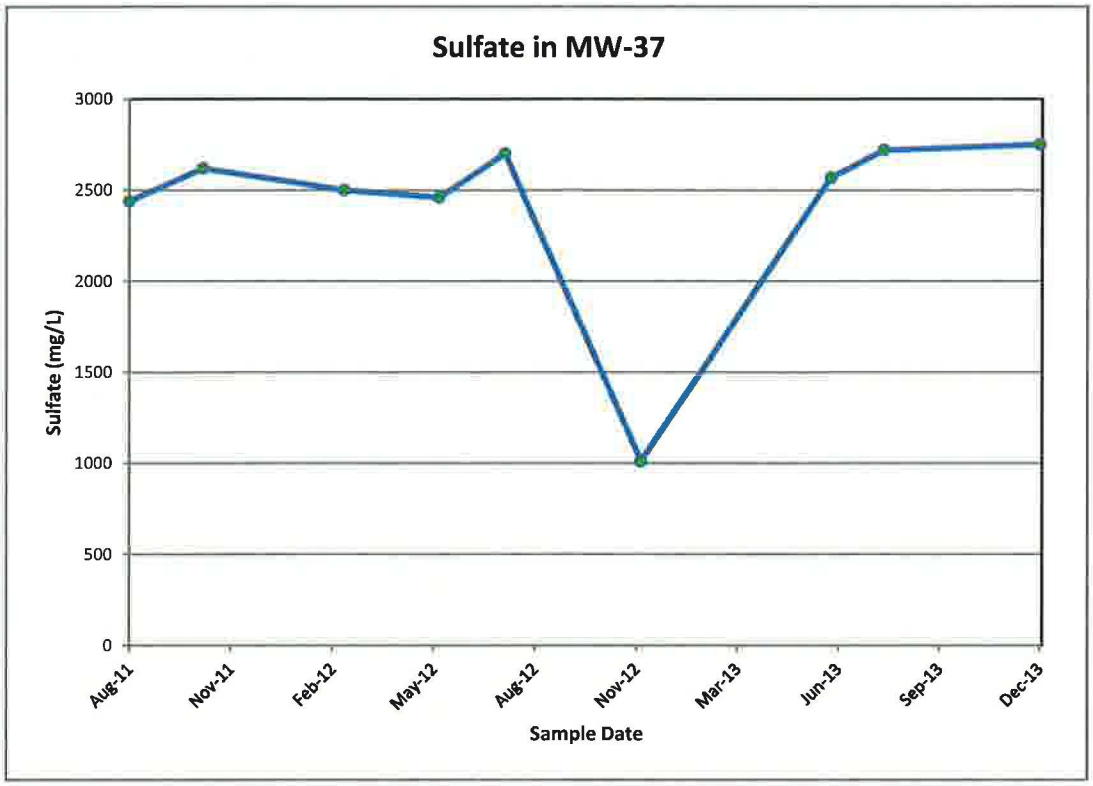


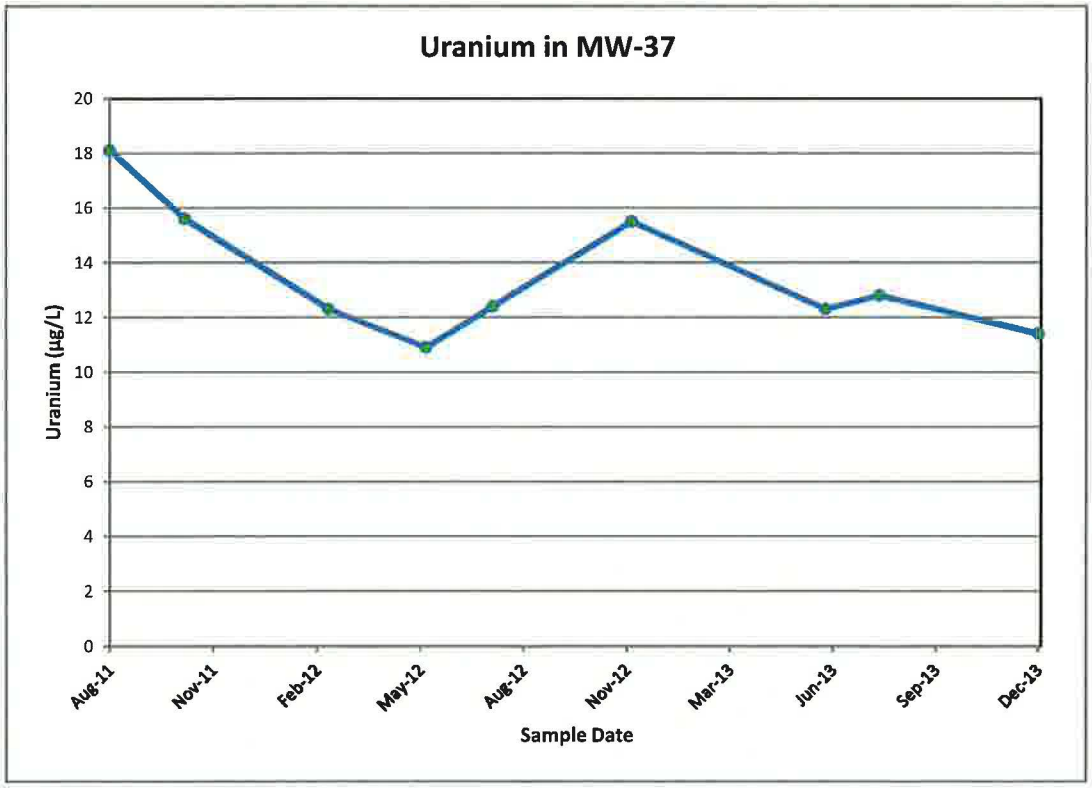
Time concentration plots for MW-37





Time concentration plots for MW-37





Tab J

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Wednesday, February 12, 2014 8:24 AM
To: Rusty Lundberg
Cc: 'Phillip Goble'; Thomas Rushing; Harold Roberts; David Frydenlund; Frank Filas, P.E; Dan Hillsten; Jaime Massey; David Turk
Subject: Transmittal of CSV Files White Mesa Mill 2013 Q4 Groundwater Monitoring
Attachments: Q4_2013_EDD CSV.csv

Dear Mr. Lundberg,

Attached to this e-mail is an electronic copy of laboratory results for groundwater monitoring conducted at the White Mesa Mill during the fourth quarter of 2013, 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