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

November 5, 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 3rd Quarter 2014 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 3rd Quarter of 2014 as required by the Groundwater Quality Discharge Permit UGW370004, as well as two CDs each containing a word searchable electronic copy of the report.

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

Yours very truly,

Kathy Weinel

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

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

White Mesa Uranium Mill

Groundwater Monitoring Report

State of Utah
Groundwater Discharge Permit No. UGW370004

3rd Quarter
(July through September)
2014

Prepared by:

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

November 5, 2014

TABLE OF CONTENTS

1.0 INTRODUCTION 1
2.0 GROUNDWATER MONITORING 1
2.1 Samples and Measurements Taken During the Quarter 1
2.1.1 Groundwater Compliance Monitoring 1
2.1.2 Accelerated Groundwater Monitoring 1
2.1.3 Background Well Monitoring 2
2.1.4 Parameters Analyzed 2
2.1.5 Groundwater Head Monitoring 2
2.2 Field Data 3
2.3 Laboratory Results - Quarterly Sampling 3
2.3.1 Copy of Laboratory Results 3
2.3.2 Regulatory Framework and Groundwater Background 3
2.4 Laboratory Results – Accelerated Monitoring 4
2.4.1 Copy of Laboratory Results 4
2.4.2 Regulatory Framework and Groundwater Background 4
2.4.3 Compliance Status 5
2.5 Depth to Groundwater and Water Table Contour Map 6
3.0 QUALITY ASSURANCE AND DATA VALIDATION 6
3.1 Field QC Samples 7
3.2 Adherence to Mill Sampling SOPs 7
3.3 Analyte Completeness Review 7
3.4 Data Validation 8
3.4.1 Field Data QA/QC Evaluation 8
3.4.2 Holding Time Evaluation 10
3.4.3 Receipt Temperature Evaluation 10
3.4.4 Analytical Method Checklist 10
3.4.5 Reporting Limit Evaluation 11
3.4.6 Trip Blank Evaluation 11
3.4.7 QA/QC Evaluation for Routine Sample Duplicates 11
3.4.8 Radiologics Counting Error and Duplicate Evaluation 12
3.4.9 Other Laboratory QA/QC 12
4.0 CORRECTIVE ACTION REPORT 14
4.1 Assessment of Corrective Actions from Previous Period 15
5.0 TIME CONCENTRATION PLOTS 15
6.0 ELECTRONIC DATA FILES AND FORMAT 15
7.0 SIGNATURE AND CERTIFICATION 16

LIST OF TABLES

Table 1 Summary of Well Sampling for the Period

Table 2 Exceedances and Acceleration Requirements

Table 3 GWCL Exceedances 2010 to Present

INDEX OF TABS

Tab A Site Plan and Perched Well Locations White Mesa Site

Tab B Field Data Worksheets Quarterly Sampling

Tab C Field Data Worksheets Accelerated Monitoring

Tab D Quarterly Depth to Water

Tab E Laboratory Analytical Reports – Quarterly Sampling

Tab F Laboratory Analytical Reports – Accelerated Monitoring

Tab G Quality Assurance and Data Validation Tables

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

Tab H Kriged Current Quarterly Groundwater Contour Map and Depth Data

Tab I Groundwater Time Concentration Plots

Tab J CSV Transmittal Letter

Tab K MW-28 Repair Report

ACRONYM LIST

AWAL	American West Analytical Laboratory
COC	Chain-of-Custody
CTF	Chemtech-Ford
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	Quality Assurance Plan
QC	Quality Control
RPD	Relative Percent Difference
SOPs	Standard Operating Procedures
USEPA	United States Environmental Protection Agency

1.0 INTRODUCTION

This is the Routine Groundwater Monitoring Report, as required under Part I.F.1 of State of Utah Groundwater Discharge Permit No. UGW370004 (the "GWDP") for the third quarter of 2014 for Energy Fuels Resources (USA) Inc's. ("EFRI's") White Mesa Uranium Mill (the "Mill"). As required under Parts I.E.1, I.E.2, I.E.3, and I.E.5 of the GWDP, this Report includes recorded field measurements and laboratory analyses for well monitoring conducted during the quarter.

2.0 GROUNDWATER MONITORING

2.1 Samples and Measurements Taken During the Quarter

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

2.1.1 Groundwater Compliance Monitoring

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

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

2.1.2 Accelerated Groundwater Monitoring

Accelerated monthly sampling was also performed (quarterly wells accelerated to monthly), and results reported, for the wells indicated in Table 1. The accelerated sampling frequency, analyte list and well list were determined based on the previous analytical results as shown in Table 2.

Table 1 provides an overview of the wells sampled for the accelerated monthly program along with the routine sampling frequency as well as the accelerated sampling frequency, the date samples were collected from each well, the associated duplicates and the date(s) which analytical data were received from the contract laboratory(ies).

2.1.3 Background Well Monitoring

Monitor well MW-35 was installed in the third quarter 2010 and has been sampled quarterly (and monthly for certain constituents) since the fourth quarter 2010. Monitor wells MW-36 and MW-37 were installed in the second quarter 2011 and have been sampled quarterly since second quarter 2011. The GWDP requires the completion of a background report for each of these wells after the completion of 8 quarters of sampling. The background reports and resultant Groundwater Compliance Limits ("GWCLs") are to be calculated based on 8 statistically valid data points.

The statistical methods used for the background assessments and calculation of the GWCLs are based on the United States Environmental Protection Agency's ("USEPA") *Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance* (USEPA, 2009), as approved by the Utah Division of Radiation Control ("DRC").

Eight statistically valid data points for MW-35, MW-36, and MW-37 were available after the fourth quarter 2013 sampling event. EFRI submitted the background report for MW-35, MW-36, and MW-37 on May 1, 2014. DRC approved the Background Report by letter dated July 15, 2014. The calculated GWCLs will become effective upon their publication in the next revision of the GWDP.

2.1.4 Parameters Analyzed

Routine quarterly groundwater monitoring samples were analyzed for the parameters listed in Table 2 and Part I.E.1.d) 2) ii of the GWDP dated August 24, 2012. The accelerated monitoring samples were analyzed for a more limited and specific parameter list as shown in Table 2.

2.1.5 Groundwater Head Monitoring

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

- The quarterly groundwater compliance monitoring wells (including, MW-34).
- Existing monitoring well MW-4 and the temporary chloroform investigation wells.
- Piezometers – P-1, P-2, P-3, P-4 and P-5.

- Nitrate monitoring wells.

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

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

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

2.2 Field Data

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

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

2.3 Laboratory Results - Quarterly Sampling

2.3.1 Copy of Laboratory Results

Analytical results are provided by two contract analytical laboratories: GEL and Chemtech-Ford ("CTF"). The Mill's usual, non-radiochemistry, contract analytical laboratory, American West Analytical Laboratories ("AWAL"), suffered a catastrophic fire at their facility in July of 2014 and could not accept the third quarter 2014 samples. CTF was used for the third quarter 2014 non-radiochemistry analyses. EFRI will continue to use CTF until AWAL's analytical capabilities have been restored.

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

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

2.3.2 Regulatory Framework and Groundwater Background

Under the GWDP dated August 24, 2012, background groundwater quality has been determined on a well-by-well basis, as defined by the mean plus second standard

deviation concentration or the equivalent. GWCLs that reflect this background groundwater quality have been set for compliance monitoring wells except MW-35, MW-36, and MW-37. As discussed in Section 2.1.3 above, EFRI submitted the background report for MW-35, MW-36, and MW-37 on May 1, 2014. DRC approved the Background Report by letter dated July 15, 2014. The calculated GWCLs will become effective upon their publication in the next revision of the GWDP.

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

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

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

2.4 Laboratory Results – Accelerated Monitoring

2.4.1 Copy of Laboratory Results

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

2.4.2 Regulatory Framework and Groundwater Background

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

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

2.4.3 Compliance Status

Analytes that have exceeded the GWCLs set forth in the GWDP are summarized in Table 2. The analytes which exceeded their respective GWCLs during the quarter will be sampled on an accelerated schedule as noted in Table 2. A review of the accelerated data collected during the quarter indicate that one analyte has exceeded its respective GWCL for two consecutive sampling periods as reported in EFRI's Exceedance Notice for the third quarter. Table 3 summarizes the results of the accelerated sampling program from first quarter 2010 through third quarter 2014.

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

MW-28

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

Three new analytes were reported above the GWCL in the second quarter 2014 data. The analytes are uranium, vanadium and cadmium as shown in Tables 2 and 3. The third quarter 2014 data show a decrease in all three constituents with vanadium and cadmium

below the GWCLs. The one-time exceedances followed by a sharp decline indicate that the exceedances were temporary and are the result of the damage to the well and the subsequent activities undertaken to repair the casing and clean out the debris and soils.

Per the GWDP, EFRI began accelerated monitoring in third quarter 2014 in MW-28 for those three constituents. The third quarter 2014 MW-28 results for vanadium and cadmium are below the GWCLs and no further action except accelerated monitoring of those constituents is required. The uranium result dropped significantly, but remained above the GWCL in the third quarter 2014. As stated above, Part I.G.4 c) of the GWDP a Plan and Time Schedule is required for constituents exceeding their GWCL in two consecutive monitoring periods. A Plan and Time Schedule will be submitted for uranium in MW-28 within 30 days after the submission of the EFRI Exceedance Notice, as required by the GWDP. The Plan and Time Schedule will discuss EFRI actions to address the exceedance of uranium in MW-28.

2.5 Depth to Groundwater and Water Table Contour Map

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

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

3.0 QUALITY ASSURANCE AND DATA VALIDATION

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

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

under Tabs E and F. Review of the laboratory QA/QC information is provided under Tab G.

3.1 Field QC Samples

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

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

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

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

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

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

3.2 Adherence to Mill Sampling SOPs

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

3.3 Analyte Completeness Review

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

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

3.4 Data Validation

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

3.4.1 Field Data QA/QC Evaluation

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

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

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

During both the quarterly sampling event and the two monthly events, the purging technique used was two casing volumes with stable field parameters (pH, Conductivity, Redox, temperature and turbidity) except for the following wells that were purged to dryness: MW-03A, 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-24 and MW-37. MW-24 and MW-37 were evacuated to

dryness before two casing volumes could be removed. MW-37 has insufficient water to purge using a pump. Due to the small volume of water present, this well is purged and sampled using a disposable bailer. MW-24 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 was purged to dryness after 2 casing volumes were removed and the low yield sampling procedures were used for the collection of field parameters. Stabilization of pH, conductivity and temperature were within the 10% RPD required by QAP, Revision 7.2 for well MW-03A.

MW-23 was purged dry after two casing volumes were removed. The requirements in QAP, Revision 7.2 for sampling low yield wells which includes the collection of three field parameters (pH, conductivity and temperature) immediately prior to and immediately following sample collection were not followed. MW-23 is sampled on an accelerated basis (first and third quarters) for field pH only and no sample is required for off-site laboratory analysis. The measurement of pH at the end of purging, immediately prior to purging to dryness, meets the data reporting requirements for MW-23 for the third quarter. Two sets of field measurements were not collected, as it was obvious from the decreased flow rate, that the well was going to be pumped to dryness and stabilization of parameters prior to the pH measurement was not necessary. Stabilization is necessary prior to sampling when a well is not purged to dryness.

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-1, MW-29, MW-31, and MW-32. Per the QAP, Revision 7.2, Attachment 2-3, turbidity measurements prior to sampling were within a 10% RPD for the quarterly and semi-annual wells.

- Turbidity measurements were less than 5 NTU for the accelerated sampling wells

except MW-25 in both of the monthly events. 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 except for the ammonia analyses presented in Tab G. As stated in Section 2.3.1, AWAL, suffered a catastrophic fire at their facility in July of 2014 and could not accept the third quarter 2014 Mill samples.

CTF was used for the third quarter 2014 non-radiochemistry analyses. CTF does not have Utah certification for the ammonia methods specified in the DRC-approved QAP; however, CTF does have Utah certification for other ammonia methods. EFRI discussed a method variation with DRC prior to the third quarter sampling and DRC approved a method variation for ammonia on July 28, 2014 provided that all QAP required RLs could be met. CTF achieved the QAP required RLs with the alternate ammonia method. The third quarter data were analyzed in accordance with Table 1 of the QAP or the alternate DRC-approved method.

3.4.5 Reporting Limit Evaluation

The analytical method RLs reported by both laboratories were checked against the RLs specified in the QAP Table 1. RL evaluations are provided in Tab G. The analytes were measured and reported to the required RLs except that several sets of quarterly, semi-annual and accelerated sample results had the RL raised for at least one analyte due to matrix interference and/or sample dilution as noted in Section 3.4.9. In all cases the reported value for the analyte was higher than the increased RL.

3.4.6 Trip Blank Evaluation

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

3.4.7 QA/QC Evaluation for Routine Sample Duplicates

Section 9.1.4 a) of the QAP states that RPDs will be calculated for the comparison of duplicate and original field samples. The QAP acceptance limits for RPDs between the duplicate and original field sample is less than or equal to 20% unless the measured results are less than 5 times the 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 except nitrate and zinc in duplicate pair MW-37/MW-70. Both of the sample results reported for MW-37/MW-70 were not five times greater than the reporting limits of 0.1 and 10 respectively and as such the deviation from the 20% RPD requirement is acceptable. Results of the RPD test are provided under Tab G.

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

3.4.8 Radiologics Counting Error and Duplicate Evaluation

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

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. Duplicate error was not calculated for duplicate pair MW-37/MW-70 because the results for the parent and duplicate sample were not both reported above the RL.

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

3.4.9 Other Laboratory QA/QC

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

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

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

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

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

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

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

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

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

The QAP, Section 8.1.2 requires that each analytical batch 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. Twenty-eight analytes (for both the routine and accelerated sampling events) were reported in the method blanks from CTF. The method blank detections are a result of the method blank results being reported at or below the QAP required RLs, that is, the RLs used for the method blanks are lower than the RLs used for the samples. Method blank results are included in Tab G. In the cases where the associated sample reported a positive detection, the method blank results were less than an order of magnitude relative to the positive sample results reported, that is the detections meet the QAP criteria. In many other instances method blanks with positive detections for certain analytes were associated with samples that were reported as nondetect for the same analyte. The method blank detections are caused by the laboratory reporting detections in the method blanks at or below the QAP required RL. The method blank detections reported by CTF do not affect the quality or usability of the data due to either the low level of the constituent in the method blank (below the QAP-required RL) or the high level of the constituents in the samples relative to the associated method blank concentrations. Additionally, blank detections are indicative of a false positive or high bias to the sample results as the laboratory contribution to the results would likely cause higher sample results. The QAP requirement to analyze a method blank with each batch and evaluate the results has been completed as required. As previously stated, this issue is a result of EFRI using CTF for the non-radiologic analyses due to a catastrophic fire at AWAL in July. The corrective action for this issue will be resolved when the Mill samples are analyzed by AWAL because AWAL utilizes the same RLs for both the samples and the method blanks.

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

4.0 CORRECTIVE ACTION REPORT

There are no corrective actions resulting from the third quarter 2014 groundwater sampling event.

4.1 Assessment of Corrective Actions from Previous Period

No corrective actions were identified in the second quarter 2014 report.

5.0 TIME CONCENTRATION PLOTS

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

Time concentration plots included with quarterly groundwater reports prior to and including first quarter 2012 did not include data that were determined to be outliers using the statistical methods used for the background determinations at the Mill. Based on conversations with 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 November 5, 2014.

ENERGY FUELS RESOURCES (USA) INC.

By:

Scott A. Bakken
Director, Permitting & 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.

Scott A. Bakken
Director, Permitting & Environmental Affairs
Energy Fuels Resources (USA) Inc.

Tables

Table 1: Summary of Well Sampling for Q3 2014

Well	Normal Frequency	Purpose for sampling this quarter	Sample Date	Date of Lab Report
MW-01	Semi-annually	Semi-annually	9/10/2014	(10/03/2014) *(10/01/2014)*
MW-03	Semi-annually	Semi-annually	9/16/2014	(10/10/2014)
MW-03A	Semi-annually	Semi-annually	9/17/2014	(10/10/2014)
MW-05	Semi-annually	Semi-annually	9/11/2014	(10/10/2014)
MW-11	Quarterly	Quarterly	9/8/2014	(9/30/2014) [10/8/2014]
MW-12	Semi-annually	Semi-annually	9/16/2014	N/A - Field pH measurement only
MW-14	Quarterly	Quarterly	9/2/2014	(9/29/2014) [10/3/2014]
MW-15	Semi-annually	Semi-annually	9/2/2014	(9/29/2014)
MW-18	Semi-annually	Semi-annually	9/9/2014	(10/03/2014) *(10/01/2014)*
MW-19	Semi-annually	Semi-annually	9/11/2014	(10/10/2014) [10/16/2014]
MW-23	Semi-annually	Semi-annually	9/4/2014	N/A - Field pH measurement only
MW-24	Semi-annually	Semi-annually	9/17/2014	(10/10/2014)
MW-25	Quarterly	Quarterly	9/3/2014	(9/29/2014) [10/3/2014]
MW-26	Quarterly	Quarterly	9/4/2014	(9/29/2014) [10/3/2014]
MW-27	Semi-annually	Semi-annually	9/8/2014	(10/03/2014) *(10/01/2014)* [10/8/2014]
MW-28	Semi-annually	Semi-annually	9/16/2014	(10/10/2014)
MW-29	Semi-annually	Semi-annually	9/10/2014	(10/03/2014) *(10/01/2014)*
MW-30	Quarterly	Quarterly	9/9/2014	(9/30/2014) [10/8/2014]
MW-31	Quarterly	Quarterly	9/3/2014	(9/29/2014) [10/3/2014]
MW-32	Semi-annually	Semi-annually	9/2/2014	[10/3/2014]
MW-35	Quarterly	Background	9/3/2014	(9/29/2014) [10/3/2014]
MW-36	Quarterly	Background	9/3/2014	(9/29/2014) [10/3/2014]
MW-37	Quarterly	Background	9/17/2014	(10/10/2014) [10/16/2014]
MW-65	Quarterly	Duplicate of MW-30	9/9/2014	(9/30/2014) [10/8/2014]
MW-70	1 per Batch	Duplicate of MW-37	9/17/2014	(10/10/2014) [10/16/2014]
Accelerated July Monthly				
MW-11	Monthly	Accelerated	7/29/2014	(9/16/2014) [9/2/2014]
MW-14	Monthly	Accelerated	7/28/2014	(9/16/2014) [9/2/2014]
MW-25	Monthly	Accelerated	7/28/2014	(9/16/2014) [9/2/2014]
MW-26	Monthly	Accelerated	7/29/2014	(9/16/2014) [9/2/2014]
MW-30	Monthly	Accelerated	7/29/2014	(9/16/2014) [9/2/2014]
MW-31	Monthly	Accelerated	7/28/2014	(9/16/2014) [9/2/2014]
MW-35	Monthly	Accelerated	7/29/2014	(9/16/2014) [9/2/2014]
MW-65	Monthly	Duplicate of MW-35	7/29/2014	(9/16/2014) [9/2/2014]
Accelerated August Monthly				
MW-11	Monthly	Accelerated	8/20/2014	(9/15/2014) *(9/11/2014)* [9/19/2014]
MW-14	Monthly	Accelerated	8/20/2014	(9/15/2014) *(9/11/2014)* [9/19/2014]
MW-25	Monthly	Accelerated	8/18/2014	(9/15/2014) *(9/11/2014)* [9/19/2014]
MW-26	Monthly	Accelerated	8/20/2014	(9/15/2014) *(9/11/2014)* [9/19/2014]
MW-30	Monthly	Accelerated	8/20/2014	(9/15/2014) *(9/11/2014)* [9/19/2014]
MW-31	Monthly	Accelerated	8/18/2014	(9/15/2014) *(9/11/2014)* [9/19/2014]
MW-35	Monthly	Accelerated	8/20/2014	(9/15/2014) *(9/11/2014)* [9/19/2014]
MW-65	1 per Batch	Duplicate of MW-30	8/20/2014	(9/15/2014) *(9/11/2014)* [9/19/2014]

Notes:

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

Date in parenthesis depicts the date that data were reported from Chemtech-Ford 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)	Manganese (ug/L)	131.29	134	Quarterly	Monthly	Q1 2010	May 2010
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	6.45	Quarterly	Monthly	Q1 2010	May 2010
MW-25 (Class III)	Uranium (ug/L)	6.5	7.13	Quarterly	Monthly	Q4 2013	March 2014
	Chloride (mg/L)	35	36.1	Quarterly	Monthly	Q1 2013	June 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
	Carbon tetrachloride (ug/L)	5	6.86	Quarterly	Monthly	Q1 2014	June 2014
	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	6.45	Quarterly	Monthly	February 2014	June 2014
	Chloride (mg/L)	143	145	Quarterly	Monthly	Q1 2011	May 2011
MW-35 (Class II)	Uranium (ug/L)	7.5	21.7	Quarterly	Monthly	Q3 2011	July 2011
	Thallium (ug/L)	0.5	1.14	Quarterly	Monthly	Q4 2011	July 2011
	Selenium (ug/L)	12.5	19.7	Quarterly	Monthly	Q1 2012	June 2012
	Gross Alpha minus Rn & U (pCi/L)	3.75	4.5	Quarterly	Monthly	Q3 2011	Q4 2011
	Manganese (ug/L)	200	369	Quarterly	Monthly	Q3 2011	July 2011
Semi-Annual Wells Accelerated to Quarterly Sampling[1]							
Monitoring Well (Water Class)	**Constituent Exceeding GWCL**	**GWCL in Current GWDP**	**First Result Exceeding the GWCL**	**Sample Frequency**	**Accelerated Frequency**	**Exceedance Sample Period**	**Start of Accelerated Monitoring**
MW-1 (Class II)	Tetrahydrofuran (ug/L)	11.5	21.8	Semi-Annually	Quarterly	Q4 2012	Q1 2013
	Field pH (S.U.)	6.77 - 8.5	6.75	Semi-Annually	Quarterly	Q3 2014	Q1 2015
	Sulfate (mg/L)	838	846	Semi-Annually	Quarterly	Q4 2012	Q1 2013
	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)	Field pH (S.U.)	6.5 - 8.5	6.13	Semi-Annually	Quarterly	Q1 2014	Q2 2014
	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
MW-18 (Class III)	Thallium (ug/L)	1.95	3.73	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Sulfate (mg/L)	1938.9	1950	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Field pH (S.U.)	6.25 - 8.5	6.16	Semi-Annually	Quarterly	Q1 2014	Q2 2014
	TDS (mg/L)	3198.77	3280	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-19 (Class III)	Nitrate + Nitrite (as N) (mg/L)	2.83	4	Semi-Annually	Quarterly	Q4 2011	Q1 2012
	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)	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

Table 2
Exceedances and Acceleration Requirements

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	First Result Exceeding the GWCL	Routine Sample Frequency	Accelerated Frequency	Exceedance Sample Period	Start of Accelerated Monitoring
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	5.8	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Chloride (mg/L)	38	42	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Gross Alpha minus Rn & U (pCi/L)	2	2.33	Semi-Annually	Quarterly	Q2 2014	Q4 2014
	Sulfate (mg/L)	462	497	Semi-Annually	Quarterly	Q2 2013	Q1 2014
	TDS (mg/L)	1075	1160	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-28 (Class III)	Chloride (mg/L)	105	108	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Cadmium (ug/L)	5.2	5.41	Semi-Annually	Quarterly	Q2 2014	Q4 2014
	Uranium (ug/L)	4.9	61.3	Semi-Annually	Quarterly	Q2 2014	Q4 2014
	Vanadium (ug/L)	30	109	Semi-Annually	Quarterly	Q2 2014	Q4 2014
	Field pH (S.U.)	6.1 - 8.5	6.01	Semi-Annually	Quarterly	Q1 2014	Q2 2014
MW-29 (Class III)	Field pH (S.U.)	6.46 - 8.5	6.17	Semi-Annually	Quarterly	Q4 2010	Q2 2011
	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 Q3 2014 sampling event.

Table 3 – GWCL Exceedances for Third Quarter 2014 under the August 24, 2012 GWDP

Q1 2010 Results					Q2 2010 Results						Q3 2010 Results						Q4 2010 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	Q1 2010 Sample Date	Q1 2010 Result	Q2 2010 Sample Date	Q2 2010 Result	May 2010 Monthly Sample Date	May 2010 Monthly Result	June 2010 Monthly Sample Date	June 2010 Monthly Result	July 2010 Monthly Sample Date	July 2010 Monthly Result	August 2010 Monthly Sample Date	August 2010 Monthly Result	Q3 2010 Sample Date	Q3 2010 Result	October 2010 Monthly Sample Date	October 2010 Monthly Result	Q4 2010 Sample Date	Q4 2010 Result	December 2010 Monthly Sample Date	December 2010 Monthly Result
Required Quarterly Sampling Wells																						
MW-11 (Class II)	Manganese (ug/L)	131.29	2/10/2010	**134**	4/28/2010	**137**	5/24/2010	122	6/16/2010	99	7/20/2010	123	8/25/2010	138	9/8/2010	128	10/20/2010	**141**	11/11/2010	**133**	12/15/10	**158**
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	2/2/2010	**6.45**	4/21/2010	**6.29**	5/21/2010	**6.36**	6/16/2010	**6.45**	7/20/2010	7.19	8/25/2010	**6.48**	9/8/2010	6.51	10/20/2010	6.60	11/10/2010	**6.37**	12/15/2010	**6.47**
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	2/3/2010	6.53	4/28/2010	7.2	NS	NA	NS	NA	NS	NA	NS	NA	9/8/2010	6.58	NS	NA	11/10/2010	**6.36**	NS	NA
	Cadmium (ug/L)	1.5		1.26		1.44		NA		NA		NA		NA		1.4		NA		1.26		NA
	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
	Carbon Tetrachloride (ug/L)	5		<1.0		<1.0		NA		<1.0		NA		NA		<1.0		NA		<1.0		NA
	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
	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
	Field pH (S.U.)	6.77 - 8.5		NA		7.86 (6.87)		NA		NA		NA		NA		NA		NA		6.96		NA
	Sulfate (mg/L)	838		NA		805		NA		NA		NA		NA		NA		NA		792		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	5/3/2010	**37.2**	NS	NA	NS	NA	NS	NA	NS	NA	9/20/2010	35.5	NS	NA	11/19/2010	**38.8**	NS	NA
	Field pH (S.U.)	6.5 - 8.5		NA		**6.14 (6.25)**		NA		NA		NA		NA		**6.39**		NA		**6.35**		NA
	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
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	4/21/2010	100	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/11/2010	99.5	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		6.98		NA		NA		NA		NA		NA		NA		6.57		NA

			Q1 2010 Results		Q2 2010 Results						Q3 2010 Results						Q4 2010 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	Q1 Sample Date	Q1 Result	Q2 Sample Date	Q2 Result	May Monthly Sample Date	May Monthly Result	June Monthly Sample Date	June Monthly Result	July Monthly Sample Date	July Monthly Result	August Monthly Sample Date	August Monthly Result	Q3 Sample Date	Q3 Result	October Monthly Sample Date	October Monthly Result	Q4 Sample Date	Q4 Result	December Monthly Sample Date	December Monthly Result
Required Semi-Annual Sampling Wells, continued																						
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	5/4/2010	***3.73***	NS	NA	NS	NA	NS	NA	NS	NA	9/15/2010	***3.64***	NS	NA	11/18/2010	***3.57***	NS	NA
	Sulfate (mg/L)	1938.9		NA		***1950***		NA		NA		NA		NA		1930		NA		1910		NA
	Field pH (S.U.)	6.25-8.5		NA		***6.2***		NA		NA		NA		NA		7.23		NA		6.37		NA
	TDS (mg/L)	3198.77		NA		***3280***		NA		NA		NA		NA		3190		NA		3030		NA
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	5/4/2010	***6.61 (6.66)***	NS	NA	NS	NA	NS	NA	NS	NA	9/15/2010	6.93	NS	NA	11/18/2010	6.8	NS	NA
	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
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
	TDS (mg/L)	1075		NA		***1160***		NA		NA		NA		NA		1060		NA		***1110***		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		1.6		NA		NA		NA		NA		NA		NA		***2.4***		NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	4/19/2010	***108***	NS	NA	NS	NA	NS	NA	NS	NA	9/14/2010	***106***	NS	NA	11/12/2010	***107***	NS	NA
	Cadmium (ug/L)	5.2		NA		4.20		NA		NA		NA		NA		NA		NA		4.11		NA
	Uranium (ug/L)	4.9		NA		3.36		NA		NA		NA		NA		NA		NA		3.45		NA
	Vanadium (ug/L)	30		NA		<15.0		NA		NA		NA		NA		NA		NA		<15.0		NA
	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)	Manganese (ug/L)	5624	NS	NA	4/27/2010	4820	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/9/2010	4890	NS	NA
	TDS (mg/L)	4400		NA		4400		NA		NA		NA		NA		NA		NA		4390		NA
	Field pH (S.U.)	6.46 - 8.5		NA		6.82		NA		NA		NA		NA		NA		NA		***6.17***		NA
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	4/20/2010	***4.5***	NS	NA	NS	NA	NS	NA	NS	NA	9/13/2010	2.9	NS	NA	11/10/2010	***8.8***	NS	NA
	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 Third Quarter 2014 under the August 24, 2012 GWDP

			Q1 2011 Results						Q2 2011 Results						Q3 2011 Results						Q4 2011 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2011 Monthly Sample Date	January 2011 Monthly Sample Result	Q1 2011 Sample Date	Q1 2011 Result	March 2011 Monthly Sample Date	March 2011 Monthly Result	Q2 2011 Sample Date	Q2 2011 Result	May 2011 Monthly Sample Date	May 2011 Monthly Result	June 2011 Monthly Sample Date	June 2011 Monthly Result	July 2011 Monthly Sample Date	July 2011 Monthly Result	Q3 2011 Sample Date	Q3 2011 Result	September 2011 Monthly Sample Date	September 2011 Monthly Result	Q4 2011 Sample Date	Q4 2011 Result	November 2011 Monthly Sample Date	November 2011 Monthly Result	December 2011 Monthly Sample Date	December 2011 Monthly Result
Required Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/11/2011	121	2/2/2011	145	3/15/2011	68	4/4/2011	148	5/10/2011	170	6/15/2011	121	7/6/2011	151		118	9/7/2011	106	10/4/2011	112	11/9/2011	105	12/14/2011	100
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/11/2011	6.37	2/7/2011	6.22	3/14/2011	6.76	4/4/2011	6.63	5/10/2011	6.37	6/15/2011	5.83	7/5/2011	6.4	8/3/2011	6.23 (6.41)	9/8/2011	6.50	10/4/2011	6.71 (6.82)	11/9/2011	6.63	12/12/2011	6.84
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/11/2011	6.44	2/2/2011	6.66	3/15/2011	6.79	4/4/2011	6.7	5/11/2011	6.1	6/20/2011	5.77	7/6/2011	6.29	8/3/2011 8/30/11	6.42 (6.54)	9/7/2011	6.54	10/4/2011	6.6	11/9/2011	6.51	12/12/2011	6.87
	Cadmium (ug/L)	1.5		NA		1.34		NA		1.27		NA		NA		NA	8/30/2012	1.19		NA		1.27		NA		NA
	Fluoride (mg/L)	0.42		NA		0.31		NA		0.28		NA		NA		NA		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
	Carbon Tetrachloride (ug/L)	5		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0
	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
	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
	Field pH (S.U.)	6.77 - 8.5		NA		NA		NA	4/11/2011	7.06 (7.67)		NA		NA		NA		NA		NA		7.08 (7.51)		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 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/14/2011	29.5	NS	NA	4/12/2011	7.16	NS	NA	NS	NA	NS	NA	8/9/2011	0.5	NS	NA	10/10/2011	4.52	NS	NA	NS	NA
MW-12 (Class III)	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
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	NS	NA	NS	NA	4/12/2011	116	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	10/10/2011	112	NS	NA	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		NA		NA		6.88		NA		NA		NA		NA		NA		6.70		NA		NA

			Q1 2011 Results						Q2 2011 Results						Q3 2011 Results						Q4 2011 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	January 2011 Monthly Sample Date	January 2011 Monthly Sample Result	Q1 2011 Sample Date	Q1 2011 Result	March 2011 Monthly Sample Date	March 2011 Monthly Result	Q2 2011 Sample Date	Q2 2011 Result	May 2011 Monthly Sample Date	May 2011 Monthly Result	June 2011 Monthly Sample Date	June 2011 Monthly Result	July 2011 Monthly Sample Date	July 2011 Monthly Result	Q3 2011 Sample Date	Q3 2011 Result	September 2011 Monthly Sample Date	September 2011 Monthly Result	Q4 2011 Sample Date	Q4 2011 Result	November 2011 Monthly Sample Date	November 2011 Monthly Result	December 2011 Monthly Sample Date	December 2011 Monthly Result
Required Semi-Annual Sampling Wells, continued																										
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	2/15/2011	***3.49***	NS	NA	4/6/2011	***3.74***	NS	NA	NS	NA	NS	NA	8/10/2011 9/21/11	***4.0 3.39***	NS	NA	10/11/2011	***3.83***	NS	NA	NS	NA
	Sulfate (mg/L)	1938.9		NA		1770		NA		1780		NA		NA		NA		1910		NA		***2020***		NA		NA
	Field pH (S.U.)	6.25-8.5		NA		6.27		NA		6.71		NA		NA		NA		***5.95 (6.30)***		NA		6.55 (6.63)		NA		NA
	TDS (mg/L)	3198.77		NA		***3250***		NA		***3250***		NA		NA		NA		3190		NA		***3220***		NA		NA
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	2/21/2011	6.78	NS	NA	4/5/2011	7.03	NS	NA	NS	NA	NS	NA	7/20/3011	***6.65***	NS	NA	10/12/2011	6.88 (7.02)	NS	NA	NS	NA
	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
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
	TDS (mg/L)	1075		NA		***1090***		NA		***1190***		NA		NA		NA		***1090***		NA		***1110***		NA		NA
	Gross Alpha minus Rn & U (pCi/L)	2		NA		0.7		NA		1.1		NA		NA		NA		0.8		NA		1.5		NA		NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	2/14/2011	***114***	NS	NA	4/11/2011	***109***	NS	NA	NS	NA	NS	NA	8/8/2011	105	NS	NA	10/5/2011	***143***	NS	NA	NS	NA
	Cadmium (ug/L)	5.2		NA		NA		NA		4.13		NA		NA		NA		NA		NA		3.99		NA		NA
	Uranium (ug/L)	4.9		NA		NA		NA		3.29		NA		NA		NA		NA		NA		3.19		NA		NA
	Vanadium (ug/L)	30		NA		NA		NA		<15.0		NA		NA		NA		NA		NA		<15.0		NA		NA
	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)	Manganese (ug/L)	5624	NS	NA	NS	NA	NS	NA	4/18/2011	4900	NS	NA	NS	NA	NS	NA	8/9/2011	NA	NS	NA	10/5/2011	4800	NS	NA	NS	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 Third Quarter 2014 under the August 24, 2012 GWDP

			Q1 2012 Results						Q2 2012 Results						Q3 2012 Results						Q4 2012 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2012 Monthly Sample Date	January 2012 Monthly Result	Q1 2012 Sample Date	Q1 2012 Result	March 2012 Monthly Sample Date	March 2012 Monthly Result	April 2012 Monthly Sample Date	April 2012 Monthly Result	Q2 2012 Sample Date	Q2 2012 Result	June 2012 Monthly Sample Date	June 2012 Monthly Result	Q3 2012 Sample Date	Q3 2012 Result	August 2012 Monthly Sample Date	August 2012 Monthly Result	September 2012 Monthly Sample Date	September 2012 Monthly Result	October 2012 Monthly Sample Date	October 2012 Monthly Result	Q4 2012 Sample Date	Q4 2012 Result	December 2012 Monthly Sample Date	December 2012 Monthly Result
Required Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/26/2012	102	2/13/2012	154	3/13/2012	121	4/10/2012	132	5/8/2012	127	6/19/2012	122	7/11/2012	135	8/7/2012	166	9/19/2012	130	10/23/2012	161	11/12/2012	138	12/24/2012	137
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/24/2012	6.36	2/21/2012	6.57	3/14/2012	6.51	4/12/2012	6.97	5/9/2012	6.73	6/19/2012	6.90	7/11/2012	6.89	8/7/2012	6.58	9/18/2012	7.08	10/23/2012	6.83	11/27/2012	6.52	12/18/2012	6.60
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/25/2012	6.63	2/14/2012	6.83	3/14/2012	6.55	4/9/2012	6.58	5/2/2012	6.73	6/18/2012	6.99	7/10/2012	6.88	8/6/2012	6.55	9/18/2012	6.54	10/22/2012	6.54	11/12/2012	6.47	12/24/2012	6.62
	Cadmium (ug/L)	1.5		NA		1.31		NA		NA		1.33		NA		1.24		NA		NA		NA		1.56		NA
	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
	Carbon Tetrachloride (ug/L)	5		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0	8/16/2012	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0
	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		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
	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
	Field pH (S.U.)	6.77 - 8.5		NA		NA				NA		7.19		NA		NA		NA		NA		NA		6.98		NA
	Sulfate (mg/L)	838		NA		NA		NA		NA		659		NA		NA		NA		NA		NA		846		NA
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	2/29/2012	43.1	NS	NA	NS	NA	5/14/2012	52.8	NS	NA	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
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	2/22/2012	NA	NS	NA	NS	NA	5/9/2012	152	NS	NA	7/17/2012	120	NS	NA	NS	NA	NS	NA	11/14/2012	117	NS	NA
	Field pH (S.U.)	6.62 - 8.5		NA		6.84		NA		NA		6.63		NA		7.05		NA		NA		NA		6.86		NA

			Q1 2012 Results						Q2 2012 Results						Q3 2012 Results						Q4 2012 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	January 2012 Monthly Sample Date	January 2012 Monthly Result	Q1 2012 Sample Date	Q1 2012 Result	March 2012 Monthly Sample Date	March 2012 Monthly Result	April 2012 Monthly Sample Date	April 2012 Monthly Result	Q2 2012 Sample Date	Q2 2012 Result	June 2012 Monthly Sample Date	June 2012 Monthly Result	Q3 2012 Sample Date	Q3 2012 Result	August 2012 Monthly Sample Date	August 2012 Monthly Result	September 2012 Monthly Sample Date	September 2012 Monthly Result	October 2012 Monthly Sample Date	October 2012 Monthly Result	Q4 2012 Sample Date	Q4 2012 Result	December 2012 Monthly Sample Date	December 2012 Monthly Result
Required Semi-Annual Sampling Wells, continued																										
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	2/27/2012	3.63	NS	NA	NS	NA	4/30/2012	3.51	NS	NA	7/18/2012	3.73	NS	NA	NS	NA	NS	NA	11/26/2012	3.2	NS	NA
	Sulfate (mg/L)	1938.9		NA		1920		NA		NA		1790		NA		1900		NA		NA		NA		1210		NA
	Field pH (S.U.)	6.25-8.5		NA		6.6		NA		NA		6.59		NA		6.64		NA		NA		NA		6.51		NA
	TDS (mg/L)	3198.77		NA		3230		NA		NA		3280		NA		3220		NA		NA		NA		3160		NA
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	2/28/2012	6.83	NS	NA	NS	NA	5/16/2012	6.86	NS	NA	7/19/2012	7.21	NS	NA	NS	NA	NS	NA	12/13/2012	6.71	NS	NA
	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
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
	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
	Cadmium (ug/L)	5.2		NA		NA		NA		NA		3.85		NA	NS	NA		NA		NA		NA		4.37		NA
	Uranium (ug/L)	4.9		NA		NA		NA		NA		3.44		NA	NS	NA		NA		NA		NA		3.45		NA
	Vanadium (ug/L)	30		NA		NA		NA		NA		<15.0		NA	NS	NA		NA		NA		NA		<15.0		NA
	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)	Manganese (ug/L)	5624	NS	NA	2/22/2012	NA	NS	NA	NS	NA	5/8/2012	6140	NS	NA	8/1/2012	5190	NS	NA	NS	NA	NS	NA	11/14/2012	5040	NS	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 Third Quarter 2014 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)	Manganese (ug/L)	131.29	1/23/2013	115	2/20/2013	139	3/20/2013	164	4/16/2013	181	5/14/2013	144	6/25/2013	135	7/10/2013	138	8/20/2013	158	9/18/2013	134	10/22/2013	129	11/19/2013	152	12/18/2013	196	Quarterly
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/23/2013	6.48	2/26/2013	6.52	3/20/2013	6.48	4/16/2013	7.58	5/14/2013	7.39	6/25/2013	6.54	7/11/2013	6.47	8/20/2013	6.86	9/19/2013	6.48	10/22/2013	6.77	11/20/2013	6.51	12/18/2013	6.74	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
	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
	Carbon Tetrachloride (ug/L)	5		NA		3.15		NA		NA		<1.0		<1.0		<1.0		NA		NA		NA		<1.0		NA	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
	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
	Field pH (S.U.)	6.77 - 8.5		NA		6.77		NA		NA		7.57		NA		7.04		NA		NA		NA		7.04		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 II)	Uranium (ug/L)	7.5	NS	NA	3/11/2013	36	NS	NA	NS	NA	5/14/2013	1.33	NS	NA	7/18/2013	0.574	NS	NA	NS	NA	NS	NA	12/4/2013	20.1	NS	NA	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
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

			Q1 2013 Results						Q2 2013 Results						Q3 2013 Results						Q4 2013 Results						
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	January 2013 Monthly Sample Date	January 2013 Monthly Result	Q1 2013 Sample Date	Q1 2013 Result	March 2013 Monthly Sample Date	March 2013 Monthly Result	April 2013 Monthly Sample Date	April 2013 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 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
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	Semi-Annually
	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
	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
	Cadmium (ug/L)	5.2		NA		NA		NA		NA		4.61		NA		NA		NA		NA		NA		4.74		NA	Semi-Annually
	Uranium (ug/L)	4.9		NA		NA		NA		NA		3.58		NA		NA		NA		NA		NA		3.34		NA	Semi-Annually
	Vanadium (ug/L)	30		NA		NA		NA		NA		<15.0		NA		NA		NA		NA		NA		<15.0		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)	Manganese (ug/L)	5624	NS	NA	3/6/2013	5340	NS	NA	NS	NA	5/23/2013	5140	NS	NA	7/17/2013	5140	NS	NA	NS	NA	NS	NA	11/20/2013	5320	NS	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.

Table 3 – GWCL Exceedances for Third Quarter 2014 under the August 24, 2012 GWDP

			Q1 2014 Results						Q2 2014 Results						Q3 2014 Results						
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	January 2014 Monthly Sample Date	January 2014 Monthly Result	February 2014 Monthly Sample Date	February 2014 Monthly Result	Q1 2014 Sample Date	Q1 2014 Result	April 2014 Monthly Sample Date	April 2014 Monthly Result	May 2014 Monthly Sample Date	May 2014 Monthly Result	Q2 2014 Sample Date	Q2 2014 Result	July 2014 Monthly Sample Date	July 2014 Monthly Result	August 2014 Monthly Sample Date	August 2014 Monthly Result	Q3 2014 Sample Date	Q3 2014 Result	Sample Frequency
Required Quarterly Sampling Wells																					
MW-11 (Class II)	Manganese (ug/L)	131.29	1/8/2014	141	2/24/2014	163	3/11/2014	134	4/25/2014	136	5/14/2014	128	6/3/2014	166	7/29/2014	139	8/20/2014	139	9/8/2014	74.0	Quarterly
MW-14 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/8/2014	6.60	2/24/2014	6.16	3/11/2014	6.33	4/23/2014	6.84	5/13/2014	6.60	6/3/2014	7.63	7/28/2014	6.44	8/20/2014	7.07	9/2/2014	6.41	Quarterly
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/7/2014	6.37	2/13/2014	6.10	3/10/2014	6.27	4/28/2014	7.18	5/13/2014	6.80	6/2/2014	6.74	7/28/2014	6.36	8/18/2014	7.17	9/3/2014	6.50	Quarterly
	Cadmium (ug/L)	1.5		1.39		1.29		1.29		1.51		1.34		1.24		1.30		1.30		1.30	Quarterly
	Fluoride (mg/L)	0.42		0.297		0.313		0.355		0.409		0.321		0.328		0.3		0.3		0.3	Quarterly
	Uranium	6.5		NA		5.83		6.26		10.6		7.43		6.07		5.9		6.1		6.0	Quarterly
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1/8/2014	2.42	2/24/2014	2.12	3/12/2014	1.30	4/30/2014	1.20	5/14/2014	1.64	6/5/2014	1.42	7/29/2014	2.0	8/20/2014	1.00	9/4/2014	1.10	Quarterly
	Uranium (ug/L)	41.8		81.7		72.2		51.8		96.0		90.6		75.0		86.5		74.4		48.4	Quarterly
	Chloroform (ug/L)	70		1580		2810		2800		1310		1580		1450		2330		2200		1580	Quarterly
	Chloride (mg/L)	58.31		69.7		70.4		61.0		62.1		61.0		63.2		80.0		59.0		68.0	Quarterly
	Carbon Tetrachloride (ug/L)	5		NA		NA		6.86		NA		<1.0		<1.0		<1.0		<1.0		<1.0	Quarterly
	Field pH (S.U.)	6.74 - 8.5		6.80		6.78		6.50		7.19		7.13		6.78		6.60		7.28		6.67	Quarterly
	Dichloromethane (Methylene Chloride) (ug/L)	5		6.52		25.8		15.5		5.54		10.2		6.73		9.6		43.3		10.9	Quarterly
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/8/2014	20.3	2/25/2014	18.4	3/11/2014	21.3	4/23/2014	18.3	5/14/2014	17.9	6/3/2014	19.4	7/29/2014	15.6	8/20/2014	13.8	9/9/2014	16.8	Quarterly
	Chloride (mg/L)	128		131		135		144		154		128		128		140		139		136	Quarterly
	Uranium (ug/L)	8.32		NA		6.83		7.84		6.84		9.82		7.35		7.40		7.60		7.70	Quarterly
	Selenium (ug/L)	34		35.6		35.8		38.0		32.8		37.0		35.4		42.9		48.5		53.6	Quarterly
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/7/2014	24.0	2/17/2014	20.6		26.2	4/28/2014	19.1	5/13/2014	23.3	6/2/2014	23.1	7/28/2014	19.0	8/18/2014	15.2	9/3/2014	18.9	Quarterly
	TDS (mg/L)	1320		1510		1460		1490		1440		1510		1520		1400		1410		1460	Quarterly
	Chloride (mg/L)	143		194		197		230		230		200		173		200		210		210	Quarterly
	Selenium (ug/L)	71		74.4		75.8		77.2		85.4		74.5		69.4		77.9		82.8		81.5	Quarterly
	Field pH (S.U.)	6.5 - 8.5		7.13		6.45		6.53		7.45		6.83		8.23		6.88		7.60		6.94	Quarterly
	Sulfate (mg/L)	532		558		480		681		527		639		555		600		620		560	Quarterly
MW-35 (Class II)	Manganese (ug/L)	200	1/8/2014	252	2/11/2014	247	2/26/14	204	4/25/2014	194	5/14/2014	249	6/4/2014	202	7/29/2014	212	8/20/2014	191	9/3/2014	177	Quarterly
	Thallium (ug/l)	0.5		0.535		<0.5		<0.5		0.582		0.521		<0.5		<0.5		<0.5		0.6	Quarterly
	Gross Alpha minus Rn & U (pCi/L)	3.75		4.12		3.98		4.33		2.95		3.67		3.36		3.09		4.70		3.93	Quarterly
	Selenium (ug/L)	12.5		8.95		12.3		14.1		18.6		17.0		13.9		13.2		28.9		31.4	Quarterly
	Uranium (ug/L)	7.5		20.8		20.6		21.5		30.6		26.9		21.9		26.5		20.3		23.6	Quarterly
Required Semi-Annual Sampling Wells																					
MW-01 (Class II)	Manganese (ug/L)	289	NS	NA	NS	NA	2/20/2014	76.8	NS	NA	NS	NA	5/28/2014	82.3	NS	NA	NS	NA	9/10/2014	80.0	Semi-Annually
	Tetrahydrofuran (ug/L)	11.5		NA		NA		3.25		NA		NA		3.39		NA		NA		<1.0	Semi-Annually
	Field pH (S.U.)	6.77 - 8.5		NA		NA		6.61		NA		NA		7.11		NA		NA		6.75	Semi-Annually
	Sulfate (mg/L)	838		NA		NA		836		NA		NA		909		NA		NA		810	Semi-Annually
MW-03 (Class III)	Selenium (ug/L)	37	NS	NA	NS	NA	2/26/2014	37.0	NS	NA	NS	NA	5/30/2014	69.5	NS	NA	NS	NA	9/16/2014	94.0	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		NA		6.23		NA		NA		6.56		NA		NA		6.13	Semi-Annually
	Sulfate (mg/L)	3663		NA		NA		NA		NA		NA		3460		NA		NA		3120	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	0.73		NA		NA		NA		NA		NA		0.573		NA		NA		0.6	Semi-Annually
	Fluoride (Mg/L)	0.68		NA		NA		0.771		NA		NA		1.02		NA		NA		1.0	Semi-Annually
MW-03A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	NS	NA	3/5/2014	6.58	NS	NA	NS	NA	5/30/2014	6.60	NS	NA	NS	NA	9/17/2014	6.40	Semi-Annually
	Sulfate (mg/L)	3640		NA		NA		3100		NA		NA		3830		NA		NA		3350	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	1.3		NA		NA		0.849		NA		NA		0.97		NA		NA		1.0	Semi-Annually
	TDS (mg/L)	5805		NA		NA		5600		NA		NA		5790		NA		NA		5460	Semi-Annually
	Selenium (ug/L)	89		NA		NA		92.1		NA		NA		104		NA		NA		129	Semi-Annually
MW-05 (Class II)	Uranium (ug/L)	7.5	NS	NA	NS	NA	2/12/2014	22.0	NS	NA	NS	NA	6/4/2014	2.42	NS	NA	NS	NA	9/11/2014	0.90	Semi-Annually
MW-12 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	NS	NA	2/12/2014	6.13	NS	NA	NS	NA	6/4/2014	7.10	NS	NA	NS	NA	9/16/2014	6.47	Semi-Annually
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	NS	NA	2/25/2014	110	NS	NA	NS	NA	6/4/2014	105	NS	NA	NS	NA	9/2/2014	273	Semi-Annually
	Field pH (S.U.)	6.62 - 8.5		NA		NA		6.51		NA		NA		6.91		NA		NA		6.38	Semi-Annually

			Q1 2014 Results						Q2 2014 Results						Q3 2014 Results						
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	January 2014 Monthly Sample Date	January 2014 Monthly Result	February 2014 Monthly Sample Date	February 2014 Monthly Result	Q1 2014 Sample Date	Q1 2014 Result	April 2014 Monthly Sample Date	April 2014 Monthly Result	May 2014 Monthly Sample Date	May 2014 Monthly Result	Q2 2014 Sample Date	Q2 2014 Result	April 2014 Monthly Sample Date	April 2014 Monthly Result	May 2014 Monthly Sample Date	May 2014 Monthly Result	Q2 2014 Sample Date	Q2 2014 Result	Sample Frequency
Required Semi-Annual Sampling Wells, continued																					
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	NS	NA	2/19/2014	2.77	NS	NA	NS	NA	5/27/2014	2.42	NS	NA	NS	NA	9/9/2014	2.7	Semi-Annually
	Sulfate (mg/L)	1938.9		NA		NA		1650		NA		NA		2020		NA		NA		1760	Semi-Annually
	Field pH (S.U.)	6.25-8.5		NA		NA		6.16		NA		NA		7.04		NA		NA		6.40	Semi-Annually
	TDS (mg/L)	3198.77		NA		NA		3080		NA		NA		3260		NA		NA		3180	Semi-Annually
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	NS	NA	2/18/2014	6.29	NS	NA	NS	NA	5/27/2014	7.38	NS	NA	NS	NA	9/11/2014	6.46	Semi-Annually
	Gross Alpha minus Rn & U (pCi/L)	2.36		NA		NA		<1.0		NA		NA		2.24		NA		NA		<1.0	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	2.83		NA		NA		3.82		NA		NA		3.68		NA		NA		0.4	Semi-Annually
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	NS	NA	3/5/2014	6.52	NS	NA	NS	NA	6/11/2014	6.67	NS	NA	NS	NA	9/4/2014	6.56	Semi-Annually
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	NS	NA	3/6/2014	5.92	NS	NA	NS	NA	5/30/2014	2.91	NS	NA	NS	NA	9/17/2014	1.5	Semi-Annually
	Fluoride (mg/L)	0.36		NA		NA		0.234		NA		NA		0.337		NA		NA		0.4	Semi-Annually
	Thallium (ug/L)	1		NA		NA		1.85		NA		NA		1.23		NA		NA		0.6	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5		NA		NA		5.89		NA		NA		6.07		NA		NA		5.09	Semi-Annually
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	NS	NA	2/25/2014	7.98	NS	NA	NS	NA	5/28/2014	7.35	NS	NA	NS	NA	9/8/2014	6.30	Semi-Annually
	Chloride (mg/L)	38		NA		NA		47.0		NA		NA		45.9		NA		NA		46.0	Semi-Annually
	Sulfate (mg/L)	462		NA		NA		411		NA		NA		484		NA		NA		414	Semi-Annually
	TDS (mg/L)	1075		NA		NA		1040		NA		NA		1040		NA		NA		1020	Semi-Annually
	Gross Alpha minus Rn & U (pCi/L)	2		NA		NA		1.08		NA		NA		2.33		NA		NA		1.16	Semi-Annually
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	NS	NA	2/26/2014	113	NS	NA	NS	NA	6/18/2014	114	NS	NA	NS	NA	9/16/2014	112	Semi-Annually
	Cadmium (ug/L)	5.2		NA		NA		NA		NA		NA		5.41		NA		NA		4.7	Semi-Annually
	Uranium (ug/L)	4.9		NA		NA		NA		NA		NA		61.3		NA		NA		10.6	Semi-Annually
	Vanadium (ug/L)	30		NA		NA		NA		NA		NA		109		NA		NA		18.5	Semi-Annually
	Manganese (ug/L)	1837		NA		NA		1650		NA		NA		1750		NA		NA		1610	Semi-Annually
	Field pH (S.U.)	6.1 - 8.5		NA		NA		6.01		NA		NA		6.78		NA		NA		5.79	Semi-Annually
MW-29 (Class III)	Manganese (ug/L)	5624	NS	NA	NS	NA	2/25/2014	5170	NS	NA	NS	NA	6/3/2014	4700	NS	NA	NS	NA	9/10/2014	4550	Semi-Annually
	TDS (mg/L)	4400		NA		NA		4500		NA		NA		4200		NA		NA		4280	Semi-Annually
	Field pH (S.U.)	6.46 - 8.5		NA		NA		6.78		NA		NA		7.98		NA		NA		6.10	Semi-Annually
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	NS	NA	2/11/2014	1.94	NS	NA	NS	NA	5/27/2014	4.35	NS	NA	NS	NA	9/2/2014	3.69	Semi-Annually
	Field pH (S.U.)	6.4 - 8.5		NA		NA		6.15		NA		NA		6.64		NA		NA		6.17	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.

Pursuant to the DRC letter of September 15, 2014, these constituents will no longer be monitored on an accelerated schedule. These constituents will be dropped from this report after this quarter.

INDEX OF TABS

Tab A Site Plan and Perched Well Locations White Mesa Site

Tab B Field Data Worksheets Quarterly Sampling

Tab C Field Data Worksheets Accelerated Monitoring

Tab C1 Field Data Worksheets Accelerated Monitoring, July 2014

Tab C2 Field Data Worksheets Accelerated Monitoring, August 2014

Tab D Quarterly Depth to Water

Tab E Laboratory Analytical Reports – Quarterly Sampling

Tab F Laboratory Analytical Reports – Accelerated Monitoring

Tab F1 Laboratory Analytical Reports – Accelerated Monitoring, July 2014

Tab F2 Laboratory Analytical Reports – Accelerated Monitoring, August 2014

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

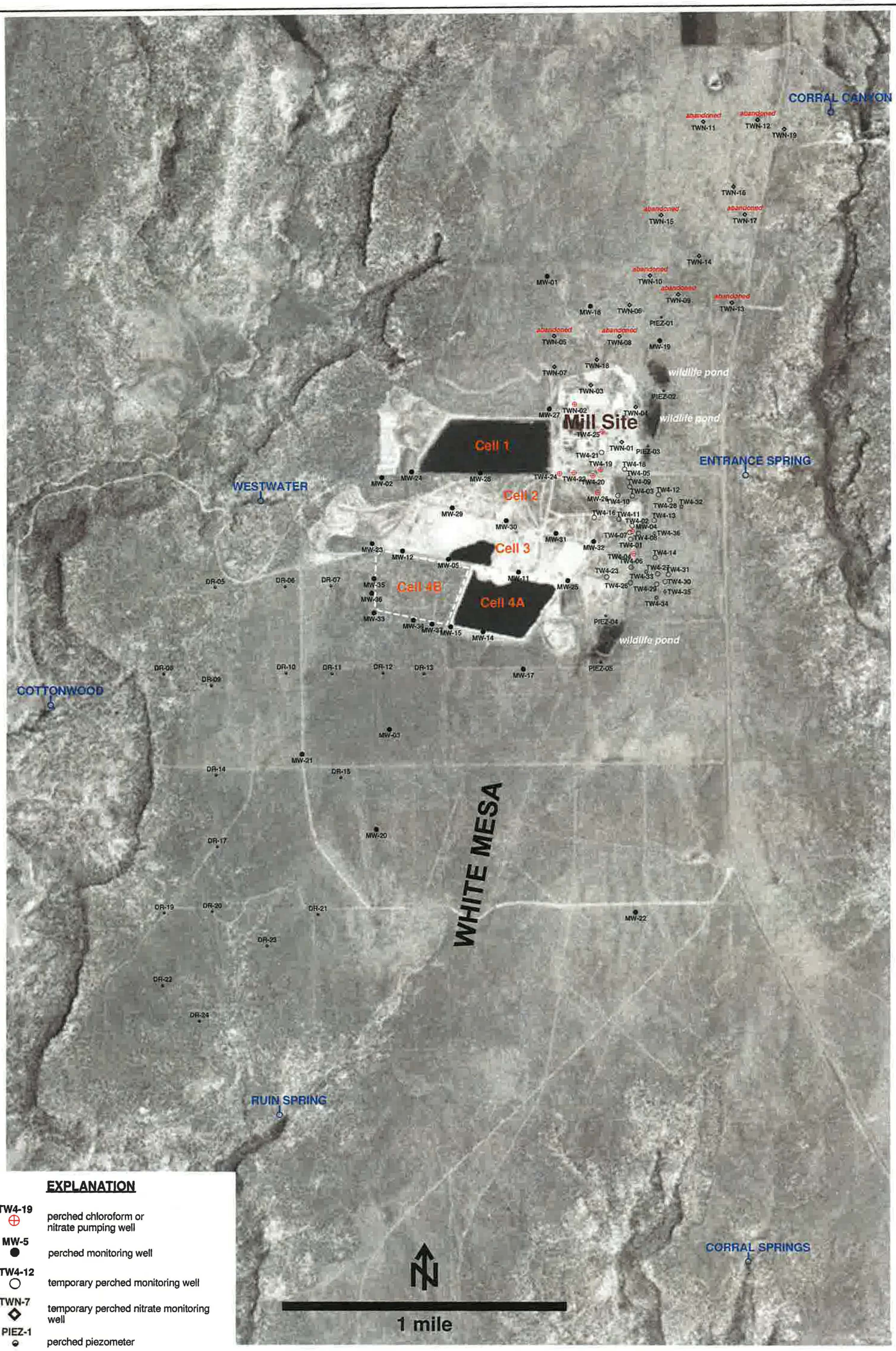
Tab I Groundwater Time Concentration Plots

Tab J CSV Transmittal Letter

Tab K MW-28 Repair Report

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
TW4-35	temporary perched monitoring well installed May, 2014
RUIN SPRING	seep or spring

HYDRO GEO CHEM, INC.

WHITE MESA SITE PLAN SHOWING LOCATIONS OF PERCHED WELLS AND PIEZOMETERS

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/aug14/Uwelloc0614.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: 3rd Quarter Groundwater 2014

Location (well name): MW-01

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID MW-01_09102014

Date and Time for Purging 9/10/14 and Sampling (if different) NA

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-18

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): ~~64.0~~ 118

Depth to Water Before Purging 64.03

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 19.80 (.367h)

Weather Cond. Sunny

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

Time	1136	Gal. Purged	40.36
Conductance	1961	pH	6.73
Temp. °C	15.26		
Redox Potential Eh (mV)	143		
Turbidity (NTU)	8.5		

Time	1137	Gal. Purged	40.57
Conductance	1956	pH	6.74
Temp. °C	15.07		
Redox Potential Eh (mV)	137		
Turbidity (NTU)	8.4		

Time	1138	Gal. Purged	40.79
Conductance	1951	pH	6.75
Temp. °C	15.11		
Redox Potential Eh (mV)	132		
Turbidity (NTU)	8.4		

Time	1139	Gal. Purged	41.01
Conductance	1956	pH	6.75
Temp. °C	15.11		
Redox Potential Eh (mV)	128		
Turbidity (NTU)	8.3		

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 = 182.48

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 ChemTech-Ford

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

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

Final Depth 109.20 Sample Time 1140

See instruction

Comment

Arrived on site at 0820. Garrin present for purge and sampling event. Purge began at 0830. Purged well for a total of 190 minutes. Water was clear during purge. Purge ended and samples were collected at 1140. Left site at 1150.

MW-01 09-10-2014 Do not touch this cell (SheetName)

ENERGYFUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Groundwater 2014

Location (well name): MW-03

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-03_09162014

Date and Time for Purging: 9/16/14 and Sampling (if different): NA

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-12

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 97

Depth to Water Before Purging: 82.80

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 5.21 (.367h)

Weather Cond.: Sunny

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

Time	1247	Gal. Purged	10.81
Conductance	5820	pH	6.14
Temp. °C	15.46		
Redox Potential Eh (mV)	323		
Turbidity (NTU)	1.0		

Time	1248	Gal. Purged	11.02
Conductance	5811	pH	6.14
Temp. °C	15.58		
Redox Potential Eh (mV)	323		
Turbidity (NTU)	1.0		

Time	1249	Gal. Purged	11.23
Conductance	5817	pH	6.13
Temp. °C	15.44		
Redox Potential Eh (mV)	323		
Turbidity (NTU)	1.0		

Time	1250	Gal. Purged	11.44
Conductance	5837	pH	6.13
Temp. °C	15.47		
Redox Potential Eh (mV)	323		
Turbidity (NTU)	1.0		

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

Volume of Water Purged 11.44 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 50.09

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech-Ford

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

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

Final Depth 93.06 Sample Time 1250

See instruction

Comment

Arrived on site at 1150. Garrin present for purge and sampling event. Purge began at 1155. Purge well for 55 minutes. Water was clear. Purge ended and samples were collected at 1250. Left site at 1255.

Do not touch this cell (SheetName)

capturx COMPATIBLE WITH Anoto FUNCTIONALITY

ENERGYFUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Groundwater 2014

Location (well name): MW-03A

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-09172014

Date and Time for Purging: 9/16/14 and Sampling (if different): 9/17/14

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-03

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 95

Depth to Water Before Purging: 84.86

Casing Volume (V) 4" Well: 6.62 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1400	Gal. Purged	13.52
Conductance	6014	pH	6.04
Temp. °C	18.76		
Redox Potential Eh (mV)	259		
Turbidity (NTU)	0		

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

Time	0935	Gal. Purged	0
Conductance	6045	pH	6.39
Temp. °C	20.90		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

Time	0936	Gal. Purged	0
Conductance	6029	pH	6.40
Temp. °C	20.96		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

Volume of Water Purged 13.52 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 63.66

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

If well evacuated to dryness, number of gallons evacuated 13.52

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech-Ford

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								

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

Final Depth 92.85 Sample Time 0935

See instruction

Comment

Arrived on site at 1255. Garrin present for purge. Purge began at 1300, water was clear. Purged well for a total of 65 minutes. Well ran dry. Purge ended at 1400. Left site at 1405. Arrived on site at 0932 Tanner and Garrin present to collect samples. Depth to water was 87.50, Samples collected at 0935. Left site at 0938

Do not touch this cell (SheetName)

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

ENERGY FUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Groundwater 2014

Location (well name): MW-05

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-05_09112014

Date and Time for Purging: 9/11/14 and Sampling (if different): NA

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-29

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 138.5

Depth to Water Before Purging: 106.30

Casing Volume (V) 4" Well: 21.02 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1131	Gal. Purged	42.53
Conductance	2629	pH	7.10
Temp. °C	21.88		
Redox Potential Eh (mV)	212		
Turbidity (NTU)	0		

Time	1132	Gal. Purged	42.74
Conductance	2602	pH	7.13
Temp. °C	21.77		
Redox Potential Eh (mV)	209		
Turbidity (NTU)	0		

Time	1133	Gal. Purged	42.96
Conductance	2601	pH	7.12
Temp. °C	21.80		
Redox Potential Eh (mV)	203		
Turbidity (NTU)	0		

Time	1134	Gal. Purged	43.18
Conductance	2599	pH	7.13
Temp. °C	21.85		
Redox Potential Eh (mV)	198		
Turbidity (NTU)	0		

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

Volume of Water Purged 43.4 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 193.73

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech-Ford

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

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

Final Depth 125.40 Sample Time 1135

See instruction

Comment

Arrived on site 0805. Garrin present for purge and sampling event. Purge began at 0815. Purged well for a total of 200 minutes. Water was clear during purge. Purge ended and sample was collected at 1135. Left site at 1142.

Do not touch this cell (SheetName)

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

ENERGY FUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Ground Water 2014

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_09082014

Date and Time for Purging: 9/8/2014 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-27

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: 86.50

Casing Volume (V) 4" Well: 28.40 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Overcast with Rain

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

Time	1337	Gal. Purged	57.93
Conductance	2758	pH	7.63
Temp. °C	15.18		
Redox Potential Eh (mV)	198		
Turbidity (NTU)	1.8		

Time	1338	Gal. Purged	58.15
Conductance	2773	pH	7.60
Temp. °C	15.20		
Redox Potential Eh (mV)	179		
Turbidity (NTU)	1.9		

Time	1339	Gal. Purged	58.37
Conductance	2765	pH	7.58
Temp. °C	15.12		
Redox Potential Eh (mV)	174		
Turbidity (NTU)	1.9		

Time	1340	Gal. Purged	58.59
Conductance	2760	pH	7.57
Temp. °C	15.15		
Redox Potential Eh (mV)	168		
Turbidity (NTU)	1.9		

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 = 261.80

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech - Ford 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 88.03 Sample Time 1340

See instruction

Comment

Arrived on site at 0905. Tanner and Garrin present for purge and sampling event
Purge began at 0910. Purged well for a total of 270 minutes.
Purge ended and samples collected at 1340. water was clear
Left site at 1350

MW-11 09-08-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Groundwater 2014

Location (well name): MW-12

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-12_09162014

Date and Time for Purging: 9/16/14 and Sampling (if different): NA

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-05

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 130.4

Depth to Water Before Purging: 108.45

Casing Volume (V) 4" Well: 14.33 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1012	Gal. Purged	28.64
Conductance	4311	pH	6.46
Temp. °C	15.66		
Redox Potential Eh (mV)	307		
Turbidity (NTU)	0		

Time	1013	Gal. Purged	28.86
Conductance	4318	pH	6.48
Temp. °C	15.55		
Redox Potential Eh (mV)	304		
Turbidity (NTU)	0		

Time	1014	Gal. Purged	29.07
Conductance	4312	pH	6.47
Temp. °C	15.61		
Redox Potential Eh (mV)	302		
Turbidity (NTU)	0		

Time	1015	Gal. Purged	29.29
Conductance	4316	pH	6.47
Temp. °C	15.52		
Redox Potential Eh (mV)	301		
Turbidity (NTU)	0		

capturx COMPATIBLE WITH Anoto FUNCTIONALITY

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 = 132.10

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 NA

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

Field PH

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

Final Depth 123.00 Sample Time 1015

See instruction

Comment

Arrived on site at 0750. Garrin Present for purge and Sampling. Purge began at 0800. Purged well for 135 minutes. Water was clear. Purge ended and parameters were taken at 1015. Left site at 1020.

Do not touch this cell (SheetName)

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2014

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-14_09022014

Date and Time for Purging 9/2/2014 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-32

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging 103.30

Casing Volume (V) 4" Well: 16.58 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	1027	Gal. Purged	34.11
Conductance	3901	pH	6.48
Temp. °C	15.18		
Redox Potential Eh (mV)	339		
Turbidity (NTU)	0.5		

Time	1028	Gal. Purged	34.33
Conductance	3887	pH	6.44
Temp. °C	15.11		
Redox Potential Eh (mV)	338		
Turbidity (NTU)	0.5		

Time	1029	Gal. Purged	34.50
Conductance	3892	pH	6.42
Temp. °C	15.10		
Redox Potential Eh (mV)	337		
Turbidity (NTU)	0.5		

Time	1030	Gal. Purged	34.72
Conductance	3889	pH	6.41
Temp. °C	15.05		
Redox Potential Eh (mV)	337		
Turbidity (NTU)	0.5		

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 = 152.86

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 Chemtech-Ford GEL

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

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

Final Depth 104.11 Sample Time 1030

See instruction

Comment

Arrived on site at 0747. Tanner and Garrin present for purge and sampling event. Purge began at 0750. Purged well for a total of 160 minutes. Water was clear. Purge ended and samples collected at 1030. Left site at 1040

MW-14 09-02-2014 Do not touch this cell (SheetName)

ENERGYFUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Ground Water 2014

Location (well name): MW-15

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-15_09022014

Date and Time for Purging: 9/2/2014 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-14

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 137.00

Depth to Water Before Purging: 106.20

Casing Volume (V) 4" Well: 20.11 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 30°

Time	1537	Gal. Purged	40.57
Conductance	~~15.75~~ 4154	pH	6.45
Temp. °C	15.75		
Redox Potential Eh (mV)	270		
Turbidity (NTU)	0.8		

Time	1538	Gal. Purged	40.79
Conductance	4093	pH	6.43
Temp. °C	15.80		
Redox Potential Eh (mV)	270		
Turbidity (NTU)	0.8		

Time	1539	Gal. Purged	41.01
Conductance	4143	pH	6.40
Temp. °C	15.86		
Redox Potential Eh (mV)	268		
Turbidity (NTU)	0.8		

Time	1540	Gal. Purged	41.23
Conductance	4172	pH	6.38
Temp. °C	15.90		
Redox Potential Eh (mV)	267		
Turbidity (NTU)	0.8		

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 = 185.36

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech - Ford

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

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

Final Depth 109.45 Sample Time 1540

See instruction

Comment

Arrived on site at 1225. Tanner and Garrin present for purge and sampling event. Purge began at 1230. Purged well for a total of 190 minutes. Purge ended and sample collected at 1540. water was clear
Left site at 1542

MW-15 09-02-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter 2014 Ground Water

Location (well name): MW-18

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-18_09092014

Date and Time for Purging 9/9/2014 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-11

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 134.00

Depth to Water Before Purging 71.17

Casing Volume (V) 4" Well: 41.02 (.653h)
3" Well: 0 (.367h)

Weather Cond. Raining

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

Time	1447	Gal. Purged	83.97
Conductance	3456	pH	6.42
Temp. °C	14.67		
Redox Potential Eh (mV)	305		
Turbidity (NTU)	0		

Time	1448	Gal. Purged	84.19
Conductance	3450	pH	6.41
Temp. °C	14.65		
Redox Potential Eh (mV)	302		
Turbidity (NTU)	0		

Time	1449	Gal. Purged	84.41
Conductance	3453	pH	6.41
Temp. °C	14.54		
Redox Potential Eh (mV)	301		
Turbidity (NTU)	0		

Time	1450	Gal. Purged	84.63
Conductance	3451	pH	6.40
Temp. °C	14.52		
Redox Potential Eh (mV)	299		
Turbidity (NTU)	0		

Volume of Water Purged 84.63 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 378.13

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech - Ford

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

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

Final Depth 77.90 Sample Time 1450

See instruction

Comment

Arrived on site at 0815. Tanner present for purge and sampling event.
Purge began at 0820 Purged well for a total of 390 minutes
Purge ended and samples were collected at 1450. water was clear
Left site at 1455.

MW-18 09-09-2014 Do not touch this cell (SheetName)

ENERGYFUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Groundwater 2014

Location (well name): MW-19

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-19_09112014

Date and Time for Purging: 9/11/14 and Sampling (if different): NA

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-01

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 149

Depth to Water Before Purging: 59.60

Casing Volume (V) 4" Well: 58.37 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1606	Gal. Purged	118.48
Conductance	1483	pH	6.51
Temp. °C	18.97		
Redox Potential Eh (mV)	275		
Turbidity (NTU)	2.1		

Time	1607	Gal. Purged	118.69
Conductance	1495	pH	6.48
Temp. °C	18.99		
Redox Potential Eh (mV)	275		
Turbidity (NTU)	2.0		

Time	1608	Gal. Purged	118.91
Conductance	1489	pH	6.47
Temp. °C	19.00		
Redox Potential Eh (mV)	275		
Turbidity (NTU)	2.0		

Time	1609	Gal. Purged	119.13
Conductance	1494	pH	6.46
Temp. °C	18.94		
Redox Potential Eh (mV)	275		
Turbidity (NTU)	2.0		

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

Volume of Water Purged 119.35 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 538.04

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 Chemtech-Ford, 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 66.88 Sample Time 1610

See instruction

Comment

Arrived on site at 0655. Garrin present for purge and sampling event. Purge began at 0700. Purged well for a total of 550 minutes. Water was clear during purge. Purge ended and samples were collected at 1610. Left site at 1615.

Do not touch this cell (SheetName)

capturx COMPATIBLE WITH Anoto FUNCTIONALITY

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2014

Location (well name): MW-23

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-23_09042014

Date and Time for Purging 9/4/2014 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-37

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 114.02

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

Weather Cond. Partly Cloudy

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

Time	1140	Gal. Purged	24.96
Conductance	3853	pH	6.56
Temp. °C	19.15		
Redox Potential Eh (mV)	184		
Turbidity (NTU)	3.0		

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 24.96 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 112.89

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

If well evacuated to dryness, number of gallons evacuated 24.96

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

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

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

Final Depth 128.90 Sample Time N/A

See instruction

Comment

Arrived on site at 0935, Tanner present for purge. Purge began at 0940
Purged well for a total of 120 minutes. Purged well dry! water was mostly clear.
Purge ended at 1140. No field sample required. Left site at 1145

MW-23 09-04-2014 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Groundwater 2014

Location (well name): MW-24

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: ~~MW-24_09162014~~ MW-24_09172014

Date and Time for Purging: 9/16/14 and Sampling (if different): ~~AA~~ 9/17/14

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-28

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging: 113.70

Casing Volume (V) 4" Well: ~~120~~ (.653h) 4.11
3" Well: 0 (.367h)

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 19.0

Time	1225	Gal. Purged	7.68
Conductance	~~17.56~~ 4498	pH	5.04
Temp. °C	~~4498~~ 17.50		
Redox Potential Eh (mV)	370		
Turbidity (NTU)	5.0		

Time	0920	Gal. Purged	0
Conductance	4457	pH	5.09
Temp. °C	18.01		
Redox Potential Eh (mV)	[illegible]		
Turbidity (NTU)			

Before

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

Time	0921	Gal. Purged	0
Conductance	4465	pH	5.09
Temp. °C	18.00		
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 = 42.85

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech-Ford

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								

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

Final Depth 118.01 Sample Time 0920

See instruction

Comment

Arrived on site at 1140. Garrin Present for purge and sampling. Purge began at 1145. Purged well for 40 minutes. Flow rate decreased during purge until well ran dry. Water was clear. Took one set of parameters at 1225. Left site at 1228.
Arrived on site at 0915 Tanner and Garrin Present to collect samples Depth to water was 113.68 Samples collected at 0920. Left site at 0925

Do not touch this cell (SheetName)

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2014

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_09032014

Date and Time for Purging: 9/3/2014 and Sampling (if different): @ N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-31

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 74.58

Casing Volume (V) 4" Well: 26.39 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1157	Gal. Purged	53.59
Conductance	3169	pH	6.53
Temp. °C	15.10		
Redox Potential Eh (mV)	335		
Turbidity (NTU)	0		

Time	1158	Gal. Purged	53.81
Conductance	3171	pH	6.51
Temp. °C	15.05		
Redox Potential Eh (mV)	333		
Turbidity (NTU)	0		

Time	1159	Gal. Purged	54.03
Conductance	3161	pH	6.50
Temp. °C	15.11		
Redox Potential Eh (mV)	334		
Turbidity (NTU)	0		

Time	1200	Gal. Purged	54.25
Conductance	3161	pH	6.50
Temp. °C	15.05		
Redox Potential Eh (mV)	334		
Turbidity (NTU)	0		

Volume of Water Purged 54.25 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 243.26

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs / Chemtech-Ford 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 76.58 Sample Time 1200

See instruction

Comment

Arrived on site at 0746. Tanner and Garrin present for purge and sampling event
Purge began at 0750, Purged well for a total of 250 minutes.
Purge ended and samples were collected at 1200. water was clear
Left site at 1209

MW-25 09-03-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2014

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-26_09042014

Date and Time for Purging 9/4/2014 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Continuous

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-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 71.12

Casing Volume (V) 4" Well: 32.78 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

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

Time	0729	Gal. Purged	0
Conductance	3421	pH	6.67
Temp. °C	15.73		
Redox Potential Eh (mV)	187		
Turbidity (NTU)	0.2		

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

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

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

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 = [6.55]

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

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

Name of Certified Analytical Laboratory if Other Than Energy Labs [Chemtech-Ford] 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 [105.11] Sample Time [0730]

See instruction

Comment

Arrived on site at 0725. Tanner and Garrin present to collect samples.
Samples collected at 0730. Water was clear. Left site at 0735.

Continuous Pumping well

MW-26 09-04-2014 Do not touch this cell (SheetName)

ENERGYFUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2014

Location (well name): MW-27

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-27_09082014

Date and Time for Purging 9/8/2014 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-23

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 53.50

Casing Volume (V) 4" Well: 27.09 (.653h)
3" Well: 0 (.367h)

Weather Cond. Overcast with Rain

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

Time	1307	Gal. Purged	54.68
Conductance	1482	pH	7.25
Temp. °C	15.05		
Redox Potential Eh (mV)	300		
Turbidity (NTU)	1.0		

Time	1308	Gal. Purged	54.90
Conductance	1478	pH	7.00
Temp. °C	15.03		
Redox Potential Eh (mV)	300		
Turbidity (NTU)	1.0		

Time	1309	Gal. Purged	55.11
Conductance	1486	pH	6.99
Temp. °C	15.01		
Redox Potential Eh (mV)	300		
Turbidity (NTU)	1.0		

Time	1310	Gal. Purged	55.33
Conductance	1476	pH	6.97
Temp. °C	15.00		
Redox Potential Eh (mV)	300		
Turbidity (NTU)	1.0		

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 = 249.76

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 Chemtech-Ford GEL

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

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

Final Depth 55.00 Sample Time 1310

See instruction

Comment

Arrived on site at 0851. Tanner and Garrin present for purge and sampling event.
Purge began at 0855. Purged well for a total of 255 minutes.
Purge ended and samples collected at 1310. Water was clear
Left site at 1318

MW-27 09-08-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Groundwater 2014

Location (well name): MW-28

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-28_09162014

Date and Time for Purging: 9/16/14 and Sampling (if different): NA

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-19

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 110

Depth to Water Before Purging: 75.69

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

Weather Cond.: Sunny

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

Time	1057	Gal. Purged	44.91
Conductance	4088	pH	5.78
Temp. °C	14.95		
Redox Potential Eh (mV)	321		
Turbidity (NTU)	2.0		

Time	1058	Gal. Purged	45.13
Conductance	4097	pH	5.79
Temp. °C	15.10		
Redox Potential Eh (mV)	319		
Turbidity (NTU)	2.2		

Time	1059	Gal. Purged	45.35
Conductance	4102	pH	5.79
Temp. °C	15.05		
Redox Potential Eh (mV)	316		
Turbidity (NTU)	2.2		

Time	1100	Gal. Purged	45.57
Conductance	4089	pH	5.79
Temp. °C	15.01		
Redox Potential Eh (mV)	314		
Turbidity (NTU)	2.2		

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

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 = 206.49

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 Chemtech-Ford

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

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

Final Depth 79.00 Sample Time 1100

See instruction

Comment

Arrived on site at 0720. Garrin present for purge and sampling event. Purge began at 0730. Purged well for a total of 210 minutes. Water was clear during purge. Purge ended and samples were collected at 1100. Left site at 1112.

Do not touch this cell (SheetName)

capturx COMPATIBLE WITH Anoto FUNCTIONALITY

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

See instruction

Description of Sampling Event: 3rd Quarter Groundwater 2014

Location (well name): MW-29

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-29 09102014

Date and Time for Purging: 9/10/14 and Sampling (if different): NA

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-30

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 127

Depth to Water Before Purging: 101.25

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

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 14.0

Time	1036	Gal. Purged	33.85
Conductance	4758	pH	6.11
Temp. °C	15.56		
Redox Potential Eh (mV)	206		
Turbidity (NTU)	10.0		

Time	1037	Gal. Purged	~~33.59~~ 34.06
Conductance	4767	pH	6.11
Temp. °C	15.22		
Redox Potential Eh (mV)	200		
Turbidity (NTU)	11.0		

Time	1038	Gal. Purged	34.28
Conductance	4750	pH	6.10
Temp. °C	15.09		
Redox Potential Eh (mV)	195		
Turbidity (NTU)	10.7		

Time	1039	Gal. Purged	34.50
Conductance	4743	pH	6.10
Temp. °C	15.14		
Redox Potential Eh (mV)	191		
Turbidity (NTU)	10.4		

Volume of Water Purged 34.72 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 154.93

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech-Ford

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								

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

Final Depth 103.95 Sample Time 1040

See instruction

Comment

Arrived on site at 0750. Garrin present for purge and sampling event. Purge began at 0800. Purged well for a total of 160 minutes. Water was clear during purge. Purge ended and samples were collected at 1040. Left site at 1045.

MW-29 09-10-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2014

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_09092014

Date and Time for Purging: 9/9/2014 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-18

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.25

Casing Volume (V) 4" Well: 22.69 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Raining

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

Time	1217	Gal. Purged	44.91
Conductance	2042	pH	6.92
Temp. °C	14.82		
Redox Potential Eh (mV)	293		
Turbidity (NTU)	0		

Time	1218	Gal. Purged	45.13
Conductance	2037	pH	6.86
Temp. °C	14.75		
Redox Potential Eh (mV)	290		
Turbidity (NTU)	0		

Time	1219	Gal. Purged	45.35
Conductance	2042	pH	6.84
Temp. °C	14.77		
Redox Potential Eh (mV)	287		
Turbidity (NTU)	0		

Time	1220	Gal. Purged	45.57
Conductance	2042	pH	6.82
Temp. °C	14.76		
Redox Potential Eh (mV)	284		
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 = 209.14

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 Chemtech-Ford 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 77.85 Sample Time 1220

See instruction

Comment

Arrived on site at 0846. Tanner and Garrin present for purge and sampling event.
Purge began at 0850. Purged well for a total of 210 minutes
Purge ended and samples collected at 1220. water was clear
Left site at 1236

MW-30 09-09-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2014

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-31_09032014

Date and Time for Purging 9/3/2014 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-15

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging 68.00

Casing Volume (V) 4" Well: 40.48 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	1357	Gal. Purged	81.80
Conductance	2096	pH	7.11
Temp. °C	14.85		
Redox Potential Eh (mV)	135		
Turbidity (NTU)	4.4		

Time	1358	Gal. Purged	82.02
Conductance	2075	pH	6.96
Temp. °C	14.66		
Redox Potential Eh (mV)	184		
Turbidity (NTU)	5.0		

Time	1359	Gal. Purged	82.24
Conductance	2075	pH	6.95
Temp. °C	14.62		
Redox Potential Eh (mV)	189		
Turbidity (NTU)	5.1		

Time	1400	Gal. Purged	82.46
Conductance	2075	pH	6.94
Temp. °C	14.62		
Redox Potential Eh (mV)	200		
Turbidity (NTU)	5.0		

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 = 373.14

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 Chemtech-Ford 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 72.13 Sample Time 1400

See instruction

Comment

Arrived on site at 0735. Tanner and Garrin present for purge and sampling event.
Purge began at 0740. Purged well for a total of 380 minutes.
Purge ended and samples collected at 1400. Water was
Left site at 1410

MW-31 09-03-2014 Do not touch this cell (SheetName)

ENERGYFUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Ground Water 2014

Location (well name): MW-32

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-32_09022014

Date and Time for Purging: 9/2/2014 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: N/A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 132.50

Depth to Water Before Purging: 75.74

Casing Volume (V) 4" Well: 37.06 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	1337	Gal. Purged	77.46
Conductance	3790	pH	6.24
Temp. °C	15.15		
Redox Potential Eh (mV)	135		
Turbidity (NTU)	15		

Time	1338	Gal. Purged	77.68
Conductance	3778	pH	6.22
Temp. °C	15.20		
Redox Potential Eh (mV)	136		
Turbidity (NTU)	16		

Time	1339	Gal. Purged	77.90
Conductance	3780	pH	6.19
Temp. °C	15.23		
Redox Potential Eh (mV)	137		
Turbidity (NTU)	17		

Time	1340	Gal. Purged	78.12
Conductance	3792	pH	6.17
Temp. °C	15.22		
Redox Potential Eh (mV)	138		
Turbidity (NTU)	17		

Volume of Water Purged 78.12 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 341.60

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 ~~Chem tech - Ford.~~ 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 81.60 Sample Time 1340

See instruction

Comment

Arrived on site at 0735. Tanner and Garrin present for purge and sampling event
Purge began at 0740. Purged well for a total of 360 minutes.
water was a little murky. Purge ended and sample collected at 1340
Left site at 1344

MW-32 09-02-2014 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Ground Water 2014

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-35_09032014

Date and Time for Purging 9/3/2014 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-36

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging 112.20

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

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 30°

Time	~~1447~~ 1457	Gal. Purged	16.70
Conductance	3977	pH	6.62
Temp. °C	16.47		
Redox Potential Eh (mV)	276		
Turbidity (NTU)	0		

Time	~~1448~~ 1458	Gal. Purged	16.92
Conductance	3843	pH	6.53
Temp. °C	16.50		
Redox Potential Eh (mV)	275		
Turbidity (NTU)	0		

Time	~~1449~~ 1459	Gal. Purged	17.14
Conductance	3871	pH	6.47
Temp. °C	16.49		
Redox Potential Eh (mV)	269		
Turbidity (NTU)	0		

Time	~~1450~~ 1500	Gal. Purged	17.36
Conductance	3900	pH	6.46
Temp. °C	16.50		
Redox Potential Eh (mV)	267		
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 = 74.02

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech - Ford 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 112.90

Sample Time ~~1450~~ 1500

See instruction

Comment

Arrived on site at ~~1326~~ 1336. Tanner and Garrin present for purge and sampling event. Purge began at 1340. Purge ~~began at~~ 80 minutes. Purge ended and samples collected at ~~1450~~ 1500. Well water was clear for. Left site at ~~1458~~ 1508

MW-35 09-03-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: 3rd Quarter Ground Water 2014

Location (well name): MW-36

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-36_09032014

Date and Time for Purging 9/3/2014 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-25

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 121.60

Depth to Water Before Purging 110.38

Casing Volume (V) 4" Well: 7.32 (.653h)
3" Well: 0 (.367h)

Weather Cond. Sunny

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

Time	1322	Gal. Purged	14.53
Conductance	4940	pH	6.90
Temp. °C	15.85		
Redox Potential Eh (mV)	314		
Turbidity (NTU)	0		

Time	1323	Gal. Purged	14.75
Conductance	4895	pH	6.87
Temp. °C	15.86		
Redox Potential Eh (mV)	315		
Turbidity (NTU)	0		

Time	1324	Gal. Purged	14.97
Conductance	4934	pH	6.89
Temp. °C	15.83		
Redox Potential Eh (mV)	317		
Turbidity (NTU)	0		

Time	1325	Gal. Purged	15.19
Conductance	4938	pH	6.87
Temp. °C	15.80		
Redox Potential Eh (mV)	318		
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 = 67.52

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech-Ford 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 111.09 Sample Time 1325

See instruction

Comment

Arrived on site at 1212. Tanner and Garrin present for purge and sampling event. Purge began at 1215 Purged well for a total of 70 minutes. water was clear Purge ended and samples collected at 1325. Left site at 1333

MW-36 09-03-2014 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Ground Water 2014

Location (well name): MW-37

Sampler Name and initials: Tanner Holliday / TH

Field Sample ID: MW-37_09172014

Date and Time for Purging: ~~AW~~ 9/4/2014 and Sampling (if different): 9/17/2014

Well Purging Equip Used: ☐ pump or ☒ bailer

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

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-26

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 121.80

Depth to Water Before Purging: 106.80

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

Weather Cond.: Partly Cloudy

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

Time	0815	Gal. Purged	6
Conductance	4377	pH	6.50
Temp. °C	14.47		
Redox Potential Eh (mV)	175		
Turbidity (NTU)	7.4		

Time	1230	Gal. Purged	0
Conductance	4402	pH	6.71
Temp. °C	19.88		
Redox Potential Eh (mV)			
Turbidity (NTU)			

Before

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

Time	1237	Gal. Purged	0
Conductance	4390	pH	6.70
Temp. °C	20.00		
Redox Potential Eh (mV)			
Turbidity (NTU)			

After

Volume of Water Purged 14.0 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) 1.42

If well evacuated to dryness, number of gallons evacuated 14.0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech- Ford 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 121.43 Sample Time 1230

See instruction

Comment

Arrived on site at 0805. Tanner and Garrin present to purge/Bail well.
Bailing began at 0808. filled up a 6 Gallon bucket and took parameters.
Bailed a total of 14 Gallons. Bailed well dry. Left site at 0833.
Arrived on site at 1224. Tanner and Garrin present to collect samples. Depth to water was 114.78 samples bailed at 1230. Left site at 1240

Do not touch this cell (SheetName)

capturx COMPATIBLE WITH Anoto FUNCTIONALITY

ENERGY FUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Ground Water 2014

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: MW-65_09092014

Date and Time for Purging: 9/9/2014 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-18

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.25

Casing Volume (V) 4" Well: 22.69 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Raining

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

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

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

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

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

Volume of Water Purged 45.57 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 209.14

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 Chemtech- Ford GEL

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

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

Final Depth

Sample Time 1220

See instruction

Comment

Duplicate of MW-30

MW-65 09-09-2014 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: 3rd Quarter Groundwater 2014

Location (well name): MW-70

Sampler Name and initials: Tanner Holliday / TH

Field Sample ID: MW-70_09172014

Date and Time for Purging: 9/4/14 and Sampling (if different): 9/17/14

Well Purging Equip Used: ☐ pump or ☒ bailer

Well Pump (if other than Bennet): NA

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Quarterly GW

Prev. Well Sampled in Sampling Event: MW-26

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 121.80

Depth to Water Before Purging: 106.80

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

Weather Cond.: Partly Cloudy

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

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)			

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

Volume of Water Purged 14.0 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) 1.42

If well evacuated to dryness, number of gallons evacuated 14.0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech-Ford 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 121.43 Sample Time 1230

See instruction

Comment

Duplicate of MW-37

Do not touch this cell (SheetName)

capturx COMPATIBLE WITH Anoto FUNCTIONALITY

Tab C

Field Data Worksheets Accelerated Monitoring

Tab C1

Field Data Worksheets Accelerated Monitoring

July 2014

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

See instruction

Description of Sampling Event: July Monthly Ground Water 2014

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_07292014

Date and Time for Purging: 7/29/2014 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-14

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 86.70

Casing Volume (V) 4" Well: 28.27 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1137	Gal. Purged	57.93
Conductance	2921	pH	7.42
Temp. °C	15.50		
Redox Potential Eh (mV)	216		
Turbidity (NTU)	1.5		

Time	1138	Gal. Purged	58.15
Conductance	2923	pH	7.39
Temp. °C	15.20		
Redox Potential Eh (mV)	212		
Turbidity (NTU)	1.5		

Time	1139	Gal. Purged	58.37
Conductance	2918	pH	7.36
Temp. °C	15.25		
Redox Potential Eh (mV)	215		
Turbidity (NTU)	1.6		

Time	1140	Gal. Purged	58.59
Conductance	2920	pH	7.35
Temp. °C	15.13		
Redox Potential Eh (mV)	225		
Turbidity (NTU)	1.6		

Volume of Water Purged 58.59 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 260.59

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 Chemtech- Ford

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

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

Final Depth 86.99 Sample Time 1140

See instruction

Comment

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

MW-11 07-29-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: July Monthly Ground Water 2014

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-14_07282014

Date and Time for Purging: 7/28/2014 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): 128.70

Depth to Water Before Purging: 103.57

Casing Volume (V) 4" Well: 16.40 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1437	Gal. Purged	32.98
Conductance	3913	pH	6.43
Temp. °C	16.11		
Redox Potential Eh (mV)	208		
Turbidity (NTU)	1.0		

Time	1438	Gal. Purged	33.20
Conductance	3909	pH	6.42
Temp. °C	16.15		
Redox Potential Eh (mV)	201		
Turbidity (NTU)	1.0		

Time	1439	Gal. Purged	33.41
Conductance	3937	pH	6.44
Temp. °C	16.15		
Redox Potential Eh (mV)	192		
Turbidity (NTU)	1.0		

Time	1440	Gal. Purged	33.63
Conductance	3910	pH	6.44
Temp. °C	16.20		
Redox Potential Eh (mV)	191		
Turbidity (NTU)	1.0		

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 = 151.24

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 Chemtech-Ford

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

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

Final Depth 103.95 Sample Time 1440

See instruction

Comment

Arrived on site at 1201. Tanner and Garrin present for purge and sampling event.
Purge began at 1205. Purged well for a total of 155 minutes
Purge ended and sample was collected at 1440. water was clear
Left site at 1443. No Sample Needed. Threw sample in trash.

MW-14 07-28-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: July Monthly Ground Water 2014

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_07282014

Date and Time for Purging: 7/28/2014 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: 74.70

Casing Volume (V) 4" Well: 26.31 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1142	Gal. Purged	52.51
Conductance	3273	pH	6.30
Temp. °C	15.89		
Redox Potential Eh (mV)	248		
Turbidity (NTU)	75		

Time	1143	Gal. Purged	52.73
Conductance	3281	pH	6.32
Temp. °C	15.31		
Redox Potential Eh (mV)	242		
Turbidity (NTU)	72		

Time	1144	Gal. Purged	52.94
Conductance	3271	pH	6.35
Temp. °C	15.11		
Redox Potential Eh (mV)	237		
Turbidity (NTU)	70		

Time	1145	Gal. Purged	53.16
Conductance	3286	pH	6.36
Temp. °C	15.00		
Redox Potential Eh (mV)	233		
Turbidity (NTU)	71		

Volume of Water Purged 53.16 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 242.54

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech - Ford

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								

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

Final Depth 76.85 Sample Time 1145

See instruction

Comment

Arrived on site at 0736. Tanner and Garrin Present for purge and sampling event. Purge began at 0740. Purged well for a total of 245 minutes. Purge ended and samples collected at 1145. Water was mostly clear
Left site at 1149

MW-25 07-28-2014 Do not touch this cell (SheetName)

ENERGY FUELS

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

See instruction

Description of Sampling Event: July Monthly Ground Water 2014

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-26_07292014

Date and Time for Purging 7/29/2014 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-30

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 78.30

Casing Volume (V) 4" Well: 28.09 (.653h)
3" Well: 0 (.367h)

Weather Cond. Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event) 24°

Time	0829	Gal. Purged	0
Conductance	3564	pH	6.60
Temp. °C	15.89		
Redox Potential Eh (mV)	289		
Turbidity (NTU)	1.1		

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

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

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

Volume of Water Purged 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 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 Chemtech- Ford

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 105.31 Sample Time 0830

See instruction

Comment

Arrived on site at 0825. Tanner and Garrin present to collect samples. Samples collected at 0830 water was clear. Left site at 0835.

Continuous pumping well

MW-26 07-29-2014 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: July Monthly Ground Water 2014

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_07292014

Date and Time for Purging: 7/29/2014 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): 110.00

Depth to Water Before Purging: 75.46

Casing Volume (V) 4" Well: 22.55 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1052	Gal. Purged	44.91
Conductance	2060	pH	6.84
Temp. °C	15.46		
Redox Potential Eh (mV)	278		
Turbidity (NTU)	0		

Time	1053	Gal. Purged	45.13
Conductance	2058	pH	6.82
Temp. °C	15.31		
Redox Potential Eh (mV)	279		
Turbidity (NTU)	0		

Time	1054	Gal. Purged	45.35
Conductance	2080	pH	6.78
Temp. °C	15.38		
Redox Potential Eh (mV)	282		
Turbidity (NTU)	0		

Time	1055	Gal. Purged	45.57
Conductance	2063	pH	6.76
Temp. °C	15.30		
Redox Potential Eh (mV)	284		
Turbidity (NTU)	6		

Volume of Water Purged 45.57 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 207.87

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech - Ford

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 78.00 Sample Time 1055

See instruction

Comment

Arrived on site at 0721. Tanner and Garrin present for purge and sampling event.
Purge began at 0725. Purged well for a total of 210 minutes. Purge ended and samples collected at 1055 water was clear
Left site at 1100

Do not touch this cell (SheetName)

capturx COMPATIBLE WITH Acrobat FUNCTIONALITY

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

See instruction

Description of Sampling Event: July Monthly Ground Water 2014

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_07282014

Date and Time for Purging: 7/28/2014 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: 68.25

Casing Volume (V) 4" Well: 40.32 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1342	Gal. Purged	80.72
Conductance	2151	pH	6.92
Temp. °C	15.46		
Redox Potential Eh (mV)	235		
Turbidity (NTU)	5		

Time	1343	Gal. Purged	80.94
Conductance	2158	pH	6.88
Temp. °C	15.40		
Redox Potential Eh (mV)	228		
Turbidity (NTU)	5		

Time	1344	Gal. Purged	81.15
Conductance	2146	pH	6.88
Temp. °C	15.35		
Redox Potential Eh (mV)	220		
Turbidity (NTU)	4		

Time	1345	Gal. Purged	81.37
Conductance	2169	pH	6.88
Temp. °C	15.32		
Redox Potential Eh (mV)	220		
Turbidity (NTU)	4		

Volume of Water Purged 81.37 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 371.63

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech-Ford

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

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

Final Depth 71.27 Sample Time 1345

See instruction

Comment

Arrived on site at 0725. Tanner and Garrin present for purge and sampling event.
Purge began at 0730. Purged well for a total of 375 minutes.
Purge ended and samples were collected at 1345. water was clear
Left site at 1352

MW-31 07-28-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: July Monthly Ground Water 2014

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-35_07292014

Date and Time for Purging: 7/29/2014 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-26

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: 112.40

Casing Volume (V) 4" Well: 7.90 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 30°

Time	1312	Gal. Purged	15.62
Conductance	4160	pH	6.60
Temp. °C	15.57		
Redox Potential Eh (mV)	284		
Turbidity (NTU)	0		

Time	1313	Gal. Purged	15.84
Conductance	4170	pH	6.58
Temp. °C	15.53		
Redox Potential Eh (mV)	283		
Turbidity (NTU)	0		

Time	1314	Gal. Purged	16.05
Conductance	4196	pH	6.57
Temp. °C	15.48		
Redox Potential Eh (mV)	282		
Turbidity (NTU)	0		

Time	1315	Gal. Purged	16.27
Conductance	4190	pH	6.55
Temp. °C	15.43		
Redox Potential Eh (mV)	281		
Turbidity (NTU)	0		

Volume of Water Purged 16.27 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 72.82

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech-Ford

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 112.71 Sample Time 1315

See instruction

Comment

Arrived on site at 1157. Tanner and Garrin present for purge and sampling event.
Purge began at 1200. Purged well for a total of 75 minutes.
Purge ended and samples collected at 1315. water was clear
Left site at 1324

MW-35 07-29-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: July Monthly Ground Water 2014

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday

Field Sample ID: MW-65_07292014

Date and Time for Purging: 7/29/2014 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-26

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: 112.40

Casing Volume (V) 4" Well: 7.90 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 30°

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

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

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

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

Volume of Water Purged 16.27 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 72.82

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech-Ford 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 112.71 Sample Time 1315

See instruction

Comment

Duplicate of MW-35

MW-65 07-29-2014 Do not touch this cell (SheetName)

Tab C2

Field Data Worksheets Accelerated Monitoring

August 2014

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

See instruction

Description of Sampling Event: August Monthly Groundwater 2014

Location (well name): MW-11

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-11_08202014

Date and Time for Purging: 8/20/2014 and Sampling (if different): NA

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: August 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

Depth to Water Before Purging: 86.45

Casing Volume (V) 4" Well: 28.43 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly cloudy

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

Time	1152	Gal. Purged	57.94
Conductance	2880	pH	7.97
Temp. °C	15.40		
Redox Potential Eh (mV)	114		
Turbidity (NTU)	0		

Time	1153	Gal. Purged	58.15
Conductance	2892	pH	7.90
Temp. °C	15.28		
Redox Potential Eh (mV)	108		
Turbidity (NTU)	0		

Time	1154	Gal. Purged	58.37
Conductance	2883	pH	7.84
Temp. °C	15.25		
Redox Potential Eh (mV)	106		
Turbidity (NTU)	0		

Time	1155	Gal. Purged	58.59
Conductance	2893	pH	7.80
Temp. °C	15.33		
Redox Potential Eh (mV)	106		
Turbidity (NTU)	0		

Volume of Water Purged 58.59 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 262.10

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 ChemTech-Ford

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 87.13 Sample Time 1155

See instruction

Comment

Arrived on site at 0720. Garrin present for purge and sampling. Purge began at 0725. Purged well for a total of 270 minutes. Water was clear during purge. Purge ended and samples were collected at ~~1205~~ 1155. Left site at 1200.

MW-11 08-20-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: August Monthly Groundwater 2014

Location (well name): MW-14

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-14_08202014

Date and Time for Purging: 8/20/2014 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: August 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): 128.7

Depth to Water Before Purging: 103.13

Casing Volume (V) 4" Well: 16.69 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1452	Gal. Purged	34.06
Conductance	3907	pH	7.21
Temp. °C	15.73		
Redox Potential Eh (mV)	193		
Turbidity (NTU)	0		

Time	1453	Gal. Purged	34.28
Conductance	3946	pH	7.11
Temp. °C	16.47		
Redox Potential Eh (mV)	195		
Turbidity (NTU)	0		

Time	1454	Gal. Purged	34.50
Conductance	3905	pH	7.08
Temp. °C	~~198~~ 16.62		
Redox Potential Eh (mV)	198		
Turbidity (NTU)	0		

Time	1455	Gal. Purged	34.72
Conductance	3914	pH	7.07
Temp. °C	~~202~~ 16.60		
Redox Potential Eh (mV)	202		
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 = 153.89

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs ChemTech-Ford

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

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

Final Depth 103.99 Sample Time 1455

See instruction

Comment

Arrived on site at 1211. Garrin and Tanner present for purge. Purge began at 1215. Purged well for a total of 160 minutes. Water was clear during purge. Purge ended and samples were collected at 1455. Left site at 1505.

MW-14 08-20-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: August Monthly Groundwater 2014

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: MW-25_08182014

Date and Time for Purging: 8/18/2014 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: 74.58

Casing Volume (V) 4" Well: 26.39 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Sunny

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

Time	Gal. Purged	Conductance	pH	Temp. °C	Redox Potential Eh (mV)	Turbidity (NTU)
1122	53.59	3199	7.24	15.38	270	17.6
1123	53.81	3198	7.21	15.35	271	18
1124	54.03	3199	7.19	15.39	273	19
1125	54.25	3189	7.17	15.30	273	19

Volume of Water Purged 54.25 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 243.26

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech- Ford

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								

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

Final Depth 75.97 Sample Time 1125

See instruction

Comment

Arrived on site at 0711. Tanner and Garrin present for purge and sampling event
Purge began at 0715. Purged well for a total of 250 minutes
water was a little murky, but mostly clear
Purge ended and samples collected at 1125. Left site at 1130

MW-25 08-18-2014 Do not touch this cell (SheetName)

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

See instruction

Description of Sampling Event: August Monthly GW 2014

Location (well name): MW-26_08202014

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-26_08202014

Date and Time for Purging: 8/20/2014 and Sampling (if different): NA

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Grundfos

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: August 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): 121.33

Depth to Water Before Purging: 71.08

Casing Volume (V) 4" Well: 32.81 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1014	Gal. Purged	0
Conductance	3511	pH	7.28
Temp. °C	16.18		
Redox Potential Eh (mV)	184		
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 = [6.56]

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 [ChemTech-Ford]

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 [108.80] Sample Time [1015]

See instruction

Comment

Arrived on site at 1000. Garrin present for sampling. Samples were Collected at 1015. Water was clear. Left site at 1025. Left site at 1020.
Continous pumping well

MW-26 08-20-2014 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: August Monthly Groundwater 2014

Location (well name): MW-30

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-30_08202014

Date and Time for Purging: 8/20/2014 and Sampling (if different): NA

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: August 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): 110

Depth to Water Before Purging: 75.23

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

Weather Cond.: Partly Cloudy

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

Time	1041	Gal. Purged	45.78
Conductance	2045	pH	7.62
Temp. °C	15.25		
Redox Potential Eh (mV)	180		
Turbidity (NTU)	0		

Time	1042	Gal. Purged	46.00
Conductance	2050	pH	7.56
Temp. °C	15.23		
Redox Potential Eh (mV)	187		
Turbidity (NTU)	0		

Time	1043	Gal. Purged	46.22
Conductance	2051	pH	7.55
Temp. °C	15.20		
Redox Potential Eh (mV)	192		
Turbidity (NTU)	0		

Time	1044	Gal. Purged	46.49
Conductance	2044	pH	7.51
Temp. °C	15.17		
Redox Potential Eh (mV)	197		
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 = 209.22

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs chemtech-ford

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 77.97 Sample Time 1045

See instruction

Comment

Arrived on site at 0700. Garrin present for purge and sampling event. Purge began at 0710. Purged well for a total of 215 minutes. Water was clear. Purge ended at samples were collected at 1045. Left site at 1100.

MW-30 08-20-2014 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: August Monthly Ground Water 2014

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_08182014

Date and Time for Purging: 8/18/2014 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: August 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: 68.17

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

Weather Cond.: Sunny

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

Time	1317	Gal. Purged	81.80
Conductance	2084	pH	7.82
Temp. °C	15.75		
Redox Potential Eh (mV)	265		
Turbidity (NTU)	3.5		

Time	1318	Gal. Purged	82.02
Conductance	2091	pH	7.72
Temp. °C	15.65		
Redox Potential Eh (mV)	266		
Turbidity (NTU)	3.2		

Time	1319	Gal. Purged	82.24
Conductance	2090	pH	7.64
Temp. °C	15.60		
Redox Potential Eh (mV)	270		
Turbidity (NTU)	3.1		

Time	1320	Gal. Purged	82.46
Conductance	2092	pH	7.60
Temp. °C	15.63		
Redox Potential Eh (mV)	273		
Turbidity (NTU)	3.0		

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 = 372.11

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs Chemtech-Ford

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 70.33 Sample Time 1320

See instruction

Comment

Arrived on site at 0657. 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 1326

MW-31 08-18-2014 Do not touch this cell (SheetName)

ENERGY FUELS

See instruction

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

Description of Sampling Event: August Monthly GW 2014

Location (well name): MW-35

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-35_08202014

Date and Time for Purging: 8/20/2014 and Sampling (if different): NA

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: August 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): 124.50

Depth to Water Before Purging: 112.25

Casing Volume (V) 4" Well: 7.99 (.653h)
3" Well: 0 (.367h)

Weather Cond.: Partly Cloudy

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

Time	1317	Gal. Purged	16.70
Conductance	4147	pH	~~4147~~ 7.18
Temp. °C	16.03		
Redox Potential Eh (mV)	197		
Turbidity (NTU)	0		

Time	1318	Gal. Purged	~~14.75~~ 16.92
Conductance	4136	pH	7.11
Temp. °C	15.81		
Redox Potential Eh (mV)	197		
Turbidity (NTU)	0		

Time	1319	Gal. Purged	17.14
Conductance	4141	pH	7.11
Temp. °C	15.73		
Redox Potential Eh (mV)	200		
Turbidity (NTU)	0		

Time	1320	Gal. Purged	17.36
Conductance	4129	pH	7.07
Temp. °C	15.74		
Redox Potential Eh (mV)	202		
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 = 73.72

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs GlobalTech-Ford

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 113.05 Sample Time 1320

See instruction

Comment

Arrived on site at 1155. Garrin and Tanner present for purge and sampling. Purge began at 1200. Purged well for a total of 80 minutes. Water was clear during purge. Purge ended and samples were collected at 1320. Left site at 1330.

MW-35 08-20-2014 Do not touch this cell (SheetName)

ENERGYFUELS

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

See instruction

Description of Sampling Event: August Monthly Groundwater 2014

Location (well name): MW-65

Sampler Name and initials: Garrin Palmer / GP

Field Sample ID: MW-65_08202014

Date and Time for Purging: 8/20/2014 and Sampling (if different): NA

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Purging Method Used: ☒ 2 casings ☐ 3 casings

Sampling Event: August 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): 110

Depth to Water Before Purging: 75.23

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

Weather Cond.: Partly Cloudy

Ext'l Amb. Temp. °C (prior sampling event): 14.0

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

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

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

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

Volume of Water Purged 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 = 209.22

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Labs ChemTech-Ford

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 77.97 Sample Time 1045

See instruction

Comment

Duplicate of MW-30

MW-65 08-20-2014 Do not touch this cell (SheetName)

Tab D

Quarterly Depth to Water

NAME: Garrin Palmer, Tanner Holliday

DATE: 9/25/14

TIME	WELL	Depth to Water (ft.)	TIME	WELL	Depth to Water (ft.)	TIME	WELL	Depth to Water (ft.)	TIME	WELL	Depth to Water (ft.)
1253	MW-1	64.14	1249	MW-4	70.10	1235	PIEZ-1	63.90	NA	DR-1	Abandoned
1305	MW-2	109.69	1247	TW4-1	67.45	1229	PIEZ-2	35.80	NA	DR-2	Abandoned
1447	MW-3	83.30	1250	TW4-2	67.63	1227	PIEZ-3	46.97	1334	DR-5	83.13
1448	MW-3A	85.05	1257	TW4-3	54.64	1237	PIEZ-4	54.54	1337	DR-6	94.35
1311	MW-5	106.22	1245	TW4-4	69.82	1234	PIEZ-5	53.45	1037	DR-7	92.2
1056	MW-11	86.58	1302	TW4-5	63.55	1211	TWN-1	59.94	1347	DR-8	51.24
1309	MW-12	108.33	1244	TW4-6	70.09	1208	TWN-2	39.02	1345	DR-9	86.58
1049	MW-14	103.45	1248	TW4-7	68.11	1219	TWN-3	38.20	1342	DR-10	78.07
1046	MW-15	106.35	1252	TW4-8	66.58	1224	TWN-4	52.23	1442	DR-11	98.2
1455	MW-17	72.45	1259	TW4-9	61.35	NA	TWN-5	Abandoned	1444	DR-12	90.35
1250	MW-18	71.26	1304	TW4-10	61.05	1248	TWN-6	77.20	1453	DR-13	69.9
1232	MW-19	59.65	1254	TW4-11	60.10	1256	TWN-7	86.20	1357	DR-14	76.41
1327	MW-20	85.66	1224	TW4-12	43.74	NA	TWN-8	Abandoned	1353	DR-15	93
1320	MW-22	66.93	1223	TW4-13	48.90	NA	TWN-9	Abandoned	NA	DR-16	Abandoned
1030	MW-23	117.71	1213	TW4-14	82.99	NA	TWN-10	Abandoned	1401	DR-17	65.05
1027	MW-24	113.69	1150	TW4-15	71.40	NA	TWN-11	Abandoned	NA	DR-18	Abandoned
1054	MW-25	74.88	1307	TW4-16	65.66	NA	TWN-12	Abandoned	1405	DR-19	63.11
1150	MW-26	71.40	1309	TW4-17	75.95	NA	TWN-13	Abandoned	1416	DR-20	55.57
1206	MW-27	53.58	1213	TW4-18	64.49	1239	TWN-14	61.77	1433	DR-21	101.3
1025	MW-28	75.65	1001	TW4-19	68.72	NA	TWN-15	Abandoned	1440	DR-22	DRY
1315	MW-29	101.18	1148	TW4-20	68.50	1241	TWN-16	47.60	1430	DR-23	70.61
1317	MW-30	75.31	1215	TW4-21	66.15	NA	TWN-17	Abandoned	1410	DR-24	44.18
1312	MW-31	68.21	1147	TW4-22	59.00	1221	TWN-18	59.43	NA	DR-25	Abandoned
1309	MW-32	75.95	1242	TW4-23	66.72	1400	TWN-19	53.25			
1036	MW-33	DRY	1146	TW4-24	64.40						
1043	MW-34	107.90	1210	TW4-25	60.96						
1032	MW-35	112.44	1240	TW4-26	64.35						
1035	MW-36	110.55	1202	TW4-27	80.46						
1045	MW-37	114.80	1226	TW4-28	38.16						
			1204	TW4-29	72.51						
			1209	TW4-30	76.81						
			1211	TW4-31	81.94						
			1228	TW4-32	49.94						
			1200	TW4-33	71.00						
			1207	TW4-34	70.40						
			1220	TW4-35	74.35						
			1215	TW4-36	57.45						

Tab E

Laboratory Analytical Reports – Quarterly Sampling

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409961-01

Name:	**Energy Fuels**	***Sample Date:***	9/10/2014 11:40 AM
Sample Site:	MW-01_091021014	***Receipt Date:***	9/12/2014 9:58 AM
Comments:		***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Sulfate	810	10	mg/L	EPA 300.0	09/12/2014 17:00	9/12/2014 17:00	
Metals							
Manganese, Dissolved	0.080	0.010	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:15	
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	09/17/2014 19:51	9/17/2014 19:51	
Benzene	ND	1.0	ug/L	EPA 8260B	09/17/2014 19:51	9/17/2014 19:51	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	09/17/2014 19:51	9/17/2014 19:51	
Chloroform	ND	1.0	ug/L	EPA 8260B	09/17/2014 19:51	9/17/2014 19:51	
Chloromethane	ND	1.0	ug/L	EPA 8260B	09/17/2014 19:51	9/17/2014 19:51	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	09/17/2014 19:51	9/17/2014 19:51	
Methylene Chloride	ND	1.0	ug/L	EPA 8260B	09/17/2014 19:51	9/17/2014 19:51	
Naphthalene	ND	1.0	ug/L	EPA 8260B	09/17/2014 19:51	9/17/2014 19:51	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	09/17/2014 19:51	9/17/2014 19:51	
Toluene	ND	1.0	ug/L	EPA 8260B	09/17/2014 19:51	9/17/2014 19:51	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	09/17/2014 19:51	9/17/2014 19:51	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1410333-02

Name:	**Energy Fuels**	***Sample Date:***	9/16/2014 12:50 PM
Sample Site:	MW-03_09162014	***Receipt Date:***	9/19/2014 10:05 AM
Comments:		***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Fluoride	1.0	0.1	mg/L	EPA 300.0	09/19/2014 16:30	9/19/2014 16:30	
Nitrate + Nitrite, Total	0.6	0.1	mg/L	EPA 353.2	09/26/2014 15:02	9/26/2014 15:02	
Sulfate	3120	20	mg/L	EPA 300.0	09/19/2014 16:30	9/19/2014 16:30	
Metals							
Selenium, Dissolved	0.0940	0.0250	mg/L	EPA 200.8	09/26/2014 09:19	9/30/2014 14:53	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1410333-03

Name:	**Energy Fuels**	***Sample Date:***	9/17/2014 9:35 AM
Sample Site:	MW-03A_09172014	***Receipt Date:***	9/19/2014 10:05 AM
Comments:		***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Nitrate + Nitrite, Total	1.0	1.0	mg/L	EPA 353.2	09/25/2014 15:48	9/25/2014 15:48	
Sulfate	3350	50	mg/L	EPA 300.0	09/19/2014 16:30	9/19/2014 16:30	
Total Dissolved Solids (TDS)	5460	20	mg/L	SM 2540 C	09/22/2014 12:31	9/22/2014 12:31	
Metals							
Selenium, Dissolved	0.129	0.0250	mg/L	EPA 200.8	09/26/2014 09:19	9/30/2014 14:57	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1410333-04

Name:	**Energy Fuels**	***Sample Date:***	9/11/2014 11:35 AM
Sample Site:	MW-05_09112014	***Receipt Date:***	9/19/2014 10:05 AM
Comments:		***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Radiochemistry							
Uranium, Dissolved	0.0009	0.0005	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:12	

9632 South 500 West
Sandy, UT 84070
801-262-7299 Office

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409947-03

Name:	Energy Fuels	**Sample Date:**	9/8/2014 1:40 PM
Sample Site:	MW-11_09082014	**Receipt Date:**	9/12/2014 9:58 AM
Comments:		**Sampler:**	Garrin Palmer
Sample Matrix:	Water	**Project:**	White Mesa Mill - Groundwater
PO Number:		**Project Number:**	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Calculations							
Anions, Total	28.7		meq/L	SM 1030 E	09/30/2014 09:41	9/30/2014 9:48	
Cation/Anion Balance	-4.0		%	SM 1030 E	09/30/2014 09:41	9/30/2014 9:48	
Cations, Total	26.5		meq/L	SM 1030 E	09/30/2014 09:41	9/30/2014 9:48	
TDS Balance	96		%	SM 2340 B	09/30/2014 09:41	9/30/2014 9:48	
Inorganic							
Alkalinity - Bicarbonate (HCO3)	390	1.0	mg/L	SM 2320 B	09/19/2014 09:00	9/19/2014 18:12	
Alkalinity - Carbonate (CO3)	ND	1.0	mg/L	SM 2320 B	09/19/2014 09:00	9/19/2014 18:12	
Ammonia as N	0.6	0.05	mg/L	SM 4500 NH3-D	09/14/2014 10:45	9/14/2014 10:45	
Chloride	31	1	mg/L	EPA 300.0	09/12/2014 06:30	9/12/2014 6:30	
Fluoride	0.5	0.1	mg/L	EPA 300.0	09/12/2014 06:30	9/12/2014 6:30	
Nitrate + Nitrite, Total	ND	0.1	mg/L	EPA 353.2	09/25/2014 15:48	9/25/2014 15:48	
Sulfate	1030	10	mg/L	EPA 300.0	09/12/2014 06:30	9/12/2014 6:30	
Total Dissolved Solids (TDS)	1930	10	mg/L	SM 2540 C	09/15/2014 11:27	9/15/2014 11:27	
Metals							
Arsenic, Dissolved	ND	0.0050	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:33	
Beryllium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:33	
Calcium, Dissolved	36.8	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:07	
Cadmium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:33	
Cobalt, Dissolved	ND	0.010	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:33	
Chromium, Dissolved	ND	0.0250	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:33	
Copper, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:33	
Iron, Dissolved	0.06	0.03	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:07	
Lead, Dissolved	ND	0.0010	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:33	
Mercury, Dissolved	ND	0.0005	mg/L	EPA 245.1	09/16/2014 10:00	9/16/2014 14:00	
Magnesium, Dissolved	10.9	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:07	
Manganese, Dissolved	0.074	0.010	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:07	
Molybdenum, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:33	
Nickel, Dissolved	ND	0.0200	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:33	
Potassium, Dissolved	6.0	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:07	
Selenium, Dissolved	ND	0.0050	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:33	
Silver, Dissolved	ND	0.010	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:33	
Tin, Dissolved	ND	0.10	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:07	
Sodium, Dissolved	542	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:07	
Thallium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:33	
Vanadium, Dissolved	ND	0.0150	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:33	
Zinc, Dissolved	ND	0.01	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:07	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409947-03

Name:	**Energy Fuels**	***Sample Date:***	9/8/2014 1:40 PM
Sample Site:	MW-11_09082014	***Receipt Date:***	9/12/2014 9:58 AM
Comments:		***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Radiochemistry							
Uranium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:33	
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	09/15/2014 18:18	9/15/2014 18:18	
Benzene	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:18	9/15/2014 18:18	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:18	9/15/2014 18:18	
Chloroform	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:18	9/15/2014 18:18	
Chloromethane	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:18	9/15/2014 18:18	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	09/15/2014 18:18	9/15/2014 18:18	
Methylene Chloride	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:18	9/15/2014 18:18	
Naphthalene	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:18	9/15/2014 18:18	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:18	9/15/2014 18:18	
Toluene	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:18	9/15/2014 18:18	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:18	9/15/2014 18:18	

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

Certificate of Analysis

Report Date: October 9, 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-11_09082014	Project:	DNMI00100
Sample ID:	356768002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	08-SEP-14 13:40		
Receive Date:	15-SEP-14		
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	+/-0.145	0.512	1.00	pCi/L		CXP3	10/08/14	0904	1424111	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			103	(25%-125%)

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

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

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409584-02

Name:	**Energy Fuels**	***Sample Date:***	9/2/2014 10:30 AM
Sample Site:	MW-14_09022014	***Receipt Date:***	9/5/2014 9:45 AM
Comments:	White Mesa Mill	***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Calculations							
Anions, Total	50.9		meq/L	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
Cation/Anion Balance	-2.6		%	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
Cations, Total	48.3		meq/L	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
TDS Balance	95		%	SM 2340 B	09/29/2014 12:50	9/29/2014 13:00	
Inorganic							
Alkalinity - Bicarbonate (HCO3)	448	1.0	mg/L	SM 2320 B	09/11/2014 09:59	9/15/2014 22:57	
Alkalinity - Carbonate (CO3)	ND	1.0	mg/L	SM 2320 B	09/11/2014 09:59	9/15/2014 22:57	
Ammonia as N	ND	0.05	mg/L	SM 4500 NH3-D	09/11/2014 11:00	9/11/2014 11:00	
Chloride	18	1	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Fluoride	0.2	0.1	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Nitrate + Nitrite, Total	ND	0.1	mg/L	EPA 353.2	09/17/2014 12:24	9/17/2014 12:24	
Sulfate	2070	20	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Total Dissolved Solids (TDS)	3400	10	mg/L	SM 2540 C	09/05/2014 16:59	9/5/2014 16:59	
Metals							
Arsenic, Dissolved	ND	0.0050	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:01	
Beryllium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/9/2014 10:11	
Calcium, Dissolved	433	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:23	
Cadmium, Dissolved	0.0013	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:01	
Cobalt, Dissolved	ND	0.010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:01	
Chromium, Dissolved	ND	0.0250	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:01	
Copper, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:01	
Iron, Dissolved	ND	0.03	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:23	
Lead, Dissolved	ND	0.0010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:01	
Mercury, Dissolved	ND	0.0005	mg/L	EPA 245.1	09/09/2014 09:00	9/9/2014 13:00	
Magnesium, Dissolved	149	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:23	
Manganese, Dissolved	1.80	0.010	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:23	
Molybdenum, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:01	
Nickel, Dissolved	ND	0.0200	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:01	
Potassium, Dissolved	11.2	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:23	
Selenium, Dissolved	ND	0.0050	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:01	
Silver, Dissolved	ND	0.010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:01	
Tin, Dissolved	ND	0.10	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:23	
Sodium, Dissolved	325	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:23	
Thallium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:01	
Vanadium, Dissolved	ND	0.0150	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:01	
Zinc, Dissolved	ND	0.01	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:23	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409584-02

Name:	**Energy Fuels**	***Sample Date:***	9/2/2014 10:30 AM
Sample Site:	MW-14_09022014	***Receipt Date:***	9/5/2014 9:45 AM
Comments:	White Mesa Mill	***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Radiochemistry							
Uranium, Dissolved	0.0591	0.0010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:01	
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	09/10/2014 13:12	9/10/2014 13:12	
Benzene	ND	1.0	ug/L	EPA 8260B	09/10/2014 13:12	9/10/2014 13:12	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	09/10/2014 13:12	9/10/2014 13:12	
Chloroform	ND	1.0	ug/L	EPA 8260B	09/10/2014 13:12	9/10/2014 13:12	
Chloromethane	ND	1.0	ug/L	EPA 8260B	09/10/2014 13:12	9/10/2014 13:12	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	09/10/2014 13:12	9/10/2014 13:12	
Methylene Chloride	ND	1.0	ug/L	EPA 8260B	09/10/2014 13:12	9/10/2014 13:12	
Naphthalene	ND	1.0	ug/L	EPA 8260B	09/10/2014 13:12	9/10/2014 13:12	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	09/10/2014 13:12	9/10/2014 13:12	
Toluene	ND	1.0	ug/L	EPA 8260B	09/10/2014 13:12	9/10/2014 13:12	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	09/10/2014 13:12	9/10/2014 13:12	

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

Certificate of Analysis

Report Date: September 25, 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-14_09022014	Project:	DNMI00100
Sample ID:	356308002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	02-SEP-14 10:30		
Receive Date:	09-SEP-14		
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	+/-0.301	0.752	1.00	pCi/L		CXP3	09/24/14	1318	1418231	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			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.

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409584-01

Name:	**Energy Fuels**	***Sample Date:***	9/2/2014 3:40 PM
Sample Site:	MW-15_09022014	***Receipt Date:***	9/5/2014 9:45 AM
Comments:	White Mesa Mill	***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals							
Selenium, Dissolved	0.273	0.0050	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 12:58	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409961-02

Name:	**Energy Fuels**	***Sample Date:***	9/9/2014 2:50 PM
Sample Site:	MW-18_09092014	***Receipt Date:***	9/12/2014 9:58 AM
Comments:		***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Sulfate	1760	20	mg/L	EPA 300.0	09/12/2014 17:00	9/12/2014 17:00	
Total Dissolved Solids (TDS)	3180	10	mg/L	SM 2540 C	09/15/2014 11:39	9/15/2014 11:39	
Metals							
Thallium, Dissolved	0.0027	0.0005	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:44	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1410333-01

Name:	**Energy Fuels**	***Sample Date:***	9/11/2014 4:10 PM
Sample Site:	MW-19_09112014	***Receipt Date:***	9/19/2014 10:05 AM
Comments:		***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Nitrate + Nitrite, Total	0.4	0.1	mg/L	EPA 353.2	09/25/2014 15:48	9/25/2014 15:48	

9632 South 500 West
Sandy, UT 84070
801-262-7299 Office

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: October 13, 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_09112014	Project:	DNMI00100
Sample ID:	357193003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	11-SEP-14 16:10		
Receive Date:	22-SEP-14		
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	+/-0.200	0.518	1.00	pCi/L		CXP3	10/08/14	0905	1424111	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			103	(25%-125%)

Notes:

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

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

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1410333-05

Name:	**Energy Fuels**	***Sample Date:***	9/17/2014 9:20 AM
Sample Site:	MW-24_09172014	***Receipt Date:***	9/19/2014 10:05 AM
Comments:		***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Fluoride	0.4	0.1	mg/L	EPA 300.0	09/19/2014 16:30	9/19/2014 16:30	
Metals							
Cadmium, Dissolved	0.0015	0.0005	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:16	
Thallium, Dissolved	0.0006	0.0005	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:16	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409584-03

Name:	Energy Fuels	**Sample Date:**	9/3/2014 12:00 PM
Sample Site:	MW-25_09032014	**Receipt Date:**	9/5/2014 9:45 AM
Comments:	White Mesa Mill	**Sampler:**	Tanner Holliday
Sample Matrix:	Water	**Project:**	White Mesa Mill - Groundwater
PO Number:		**Project Number:**	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Calculations							
Anions, Total	38.6		meq/L	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
Cation/Anion Balance	-0.3		%	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
Cations, Total	38.3		meq/L	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
TDS Balance	94		%	SM 2340 B	09/29/2014 12:50	9/29/2014 13:00	
Inorganic							
Alkalinity - Bicarbonate (HCO3)	359	1.0	mg/L	SM 2320 B	09/11/2014 09:59	9/15/2014 22:57	
Alkalinity - Carbonate (CO3)	ND	1.0	mg/L	SM 2320 B	09/11/2014 09:59	9/15/2014 22:57	
Ammonia as N	0.4	0.05	mg/L	SM 4500 NH3-D	09/11/2014 11:00	9/11/2014 11:00	
Chloride	30	1	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Fluoride	0.3	0.1	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Nitrate + Nitrite, Total	ND	0.1	mg/L	EPA 353.2	09/17/2014 12:24	9/17/2014 12:24	
Sulfate	1530	20	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Total Dissolved Solids (TDS)	2640	10	mg/L	SM 2540 C	09/05/2014 16:59	9/5/2014 16:59	
Metals							
Arsenic, Dissolved	ND	0.0050	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:09	
Beryllium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/9/2014 10:15	
Calcium, Dissolved	319	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:35	
Cadmium, Dissolved	0.0013	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:09	
Cobalt, Dissolved	ND	0.010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:09	
Chromium, Dissolved	ND	0.0250	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:09	
Copper, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:09	
Iron, Dissolved	ND	0.03	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:35	
Lead, Dissolved	ND	0.0010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:09	
Mercury, Dissolved	ND	0.0005	mg/L	EPA 245.1	09/09/2014 09:00	9/9/2014 13:00	
Magnesium, Dissolved	120	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:35	
Manganese, Dissolved	1.33	0.010	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:35	
Molybdenum, Dissolved	0.0129	0.0100	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:09	
Nickel, Dissolved	ND	0.0200	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:09	
Potassium, Dissolved	9.4	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:35	
Selenium, Dissolved	ND	0.0050	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:09	
Silver, Dissolved	ND	0.010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:09	
Tin, Dissolved	ND	0.10	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:35	
Sodium, Dissolved	283	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:35	
Thallium, Dissolved	0.0009	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:09	
Vanadium, Dissolved	ND	0.0150	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:09	
Zinc, Dissolved	ND	0.01	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:35	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409584-03

Name:	**Energy Fuels**	***Sample Date:***	9/3/2014 12:00 PM
Sample Site:	MW-25_09032014	***Receipt Date:***	9/5/2014 9:45 AM
Comments:	White Mesa Mill	***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Radiochemistry							
Uranium, Dissolved	0.0060	0.0010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:09	
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	09/10/2014 14:41	9/10/2014 14:41	
Benzene	ND	1.0	ug/L	EPA 8260B	09/10/2014 14:41	9/10/2014 14:41	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	09/10/2014 14:41	9/10/2014 14:41	
Chloroform	ND	1.0	ug/L	EPA 8260B	09/10/2014 14:41	9/10/2014 14:41	
Chloromethane	ND	1.0	ug/L	EPA 8260B	09/10/2014 14:41	9/10/2014 14:41	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	09/10/2014 14:41	9/10/2014 14:41	
Methylene Chloride	ND	1.0	ug/L	EPA 8260B	09/10/2014 14:41	9/10/2014 14:41	
Naphthalene	ND	1.0	ug/L	EPA 8260B	09/10/2014 14:41	9/10/2014 14:41	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	09/10/2014 14:41	9/10/2014 14:41	
Toluene	ND	1.0	ug/L	EPA 8260B	09/10/2014 14:41	9/10/2014 14:41	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	09/10/2014 14:41	9/10/2014 14:41	

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 25, 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-25_09032014	Project:	DNMI00100
Sample ID:	356308003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	03-SEP-14 12:00		
Receive Date:	09-SEP-14		
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	MDC	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow Proportional Counting												
GFPC, Total Alpha Radium, Liquid "As Received"												
Gross Radium Alpha	U	1.00	+/-0.287	0.781	1.00	pCi/L		CXP3	09/24/14	1318	1418231	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			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.

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409584-04

Name:	Energy Fuels	**Sample Date:**	9/4/2014 7:30 AM
Sample Site:	MW-26_09042014	**Receipt Date:**	9/5/2014 9:45 AM
Comments:	White Mesa Mill	**Sampler:**	Tanner Holliday
Sample Matrix:	Water	**Project:**	White Mesa Mill - Groundwater
PO Number:		**Project Number:**	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Calculations							
Anions, Total	45.2		meq/L	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
Cation/Anion Balance	-1.7		%	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
Cations, Total	43.7		meq/L	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
TDS Balance	89		%	SM 2340 B	09/29/2014 12:50	9/29/2014 13:00	
Inorganic							
Alkalinity - Bicarbonate (HCO3)	355	1.0	mg/L	SM 2320 B	09/11/2014 09:59	9/15/2014 22:57	
Alkalinity - Carbonate (CO3)	ND	1.0	mg/L	SM 2320 B	09/11/2014 09:59	9/15/2014 22:57	
Ammonia as N	0.3	0.05	mg/L	SM 4500 NH3-D	09/11/2014 11:00	9/11/2014 11:00	
Chloride	68	1	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Fluoride	0.3	0.1	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Nitrate + Nitrite, Total	1.1	0.1	mg/L	EPA 353.2	09/17/2014 12:24	9/17/2014 12:24	
Sulfate	1800	20	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Total Dissolved Solids (TDS)	3210	10	mg/L	SM 2540 C	09/05/2014 16:59	9/5/2014 16:59	
Metals							
Arsenic, Dissolved	ND	0.0050	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:12	
Beryllium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/9/2014 10:19	
Calcium, Dissolved	438	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:39	
Cadmium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:12	
Cobalt, Dissolved	ND	0.010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:12	
Chromium, Dissolved	ND	0.0250	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:12	
Copper, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:12	
Iron, Dissolved	0.53	0.03	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:39	
Lead, Dissolved	ND	0.0010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:12	
Mercury, Dissolved	ND	0.0005	mg/L	EPA 245.1	09/09/2014 09:00	9/9/2014 13:00	
Magnesium, Dissolved	162	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:39	
Manganese, Dissolved	0.774	0.010	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:39	
Molybdenum, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:12	
Nickel, Dissolved	ND	0.0200	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:12	
Potassium, Dissolved	10.7	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:39	
Selenium, Dissolved	0.0115	0.0050	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:12	
Silver, Dissolved	ND	0.010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:12	
Tin, Dissolved	ND	0.10	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:39	
Sodium, Dissolved	188	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:39	
Thallium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:12	
Vanadium, Dissolved	ND	0.0150	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:12	
Zinc, Dissolved	ND	0.01	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:39	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409584-04

Name:	**Energy Fuels**	***Sample Date:***	9/4/2014 7:30 AM
Sample Site:	MW-26_09042014	***Receipt Date:***	9/5/2014 9:45 AM
Comments:	White Mesa Mill	***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Radiochemistry							
Uranium, Dissolved	0.0484	0.0010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:12	
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	09/10/2014 14:59	9/10/2014 14:59	
Benzene	ND	1.0	ug/L	EPA 8260B	09/10/2014 14:59	9/10/2014 14:59	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	09/10/2014 14:59	9/10/2014 14:59	
Chloroform	1580	1.0	ug/L	EPA 8260B	09/10/2014 14:59	9/10/2014 14:59	
Chloromethane	2.0	1.0	ug/L	EPA 8260B	09/10/2014 14:59	9/10/2014 14:59	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	09/10/2014 14:59	9/10/2014 14:59	
Methylene Chloride	10.9	1.0	ug/L	EPA 8260B	09/10/2014 14:59	9/10/2014 14:59	
Naphthalene	ND	1.0	ug/L	EPA 8260B	09/10/2014 14:59	9/10/2014 14:59	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	09/10/2014 14:59	9/10/2014 14:59	
Toluene	ND	1.0	ug/L	EPA 8260B	09/10/2014 14:59	9/10/2014 14:59	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	09/10/2014 14:59	9/10/2014 14:59	

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 25, 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-26_09042014	Project:	DNMI00100
Sample ID:	356308004	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	04-SEP-14 07:30		
Receive Date:	09-SEP-14		
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		1.58	+/-0.418	1.01	1.00	pCi/L		CXP3	09/23/14	1414	1418231	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			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.

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409961-03

Name:	**Energy Fuels**	***Sample Date:***	9/8/2014 1:10 PM
Sample Site:	MW-27_09082014	***Receipt Date:***	9/12/2014 9:58 AM
Comments:		***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Chloride	46	1	mg/L	EPA 300.0	09/12/2014 17:00	9/12/2014 17:00	
Nitrate + Nitrite, Total	6.3	1.0	mg/L	EPA 353.2	09/25/2014 15:48	9/25/2014 15:48	
Sulfate	414	5	mg/L	EPA 300.0	09/12/2014 17:00	9/12/2014 17:00	
Total Dissolved Solids (TDS)	1020	20	mg/L	SM 2540 C	09/15/2014 11:39	9/15/2014 11:39	

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: October 9, 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_09082014	Project:	DNMI00100
Sample ID:	356768001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	08-SEP-14 13:10		
Receive Date:	15-SEP-14		
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		1.16	+/-0.269	0.541	1.00	pCi/L		CXP3	10/07/14	1451	1424111	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			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.

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1410333-06

Name:	**Energy Fuels**	***Sample Date:***	9/16/2014 11:00 AM
Sample Site:	MW-28_09162014	***Receipt Date:***	9/19/2014 10:05 AM
Comments:		***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Chloride	112	5	mg/L	EPA 300.0	09/19/2014 16:30	9/19/2014 16:30	
Metals							
Cadmium, Dissolved	0.0047	0.0010	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:21	
Manganese, Dissolved	1.61	0.010	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:07	
Vanadium, Dissolved	0.0185	0.0150	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:21	
Radiochemistry							
Uranium, Dissolved	0.0106	0.0025	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:21	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409961-04

Name:	**Energy Fuels**	***Sample Date:***	9/10/2014 10:40 AM
Sample Site:	MW-29_9/10/2014	***Receipt Date:***	9/12/2014 9:58 AM
Comments:		***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Total Dissolved Solids (TDS)	4280	10	mg/L	SM 2540 C	09/15/2014 11:39	9/15/2014 11:39	
Metals							
Manganese, Dissolved	4.55	0.010	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:19	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409947-01

Name:	Energy Fuels	**Sample Date:**	9/9/2014 12:20 PM
Sample Site:	MW-30_09092014	**Receipt Date:**	9/12/2014 9:58 AM
Comments:		**Sampler:**	Garrin Palmer
Sample Matrix:	Water	**Project:**	White Mesa Mill - Groundwater
PO Number:		**Project Number:**	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Calculations							
Anions, Total	22.2		meq/L	SM 1030 E	09/30/2014 09:41	9/30/2014 9:48	
Cation/Anion Balance	-0.7		%	SM 1030 E	09/30/2014 09:41	9/30/2014 9:48	
Cations, Total	21.9		meq/L	SM 1030 E	09/30/2014 09:41	9/30/2014 9:48	
TDS Balance	89		%	SM 2340 B	09/30/2014 09:41	9/30/2014 9:48	
Inorganic							
Alkalinity - Bicarbonate (HCO3)	189	1.0	mg/L	SM 2320 B	09/19/2014 09:00	9/19/2014 18:12	
Alkalinity - Carbonate (CO3)	ND	1.0	mg/L	SM 2320 B	09/19/2014 09:00	9/19/2014 18:12	
Ammonia as N	ND	0.05	mg/L	SM 4500 NH3-D	09/14/2014 10:45	9/14/2014 10:45	
Chloride	136	5	mg/L	EPA 300.0	09/12/2014 06:30	9/12/2014 6:30	
Fluoride	0.4	0.1	mg/L	EPA 300.0	09/12/2014 06:30	9/12/2014 6:30	
Nitrate + Nitrite, Total	16.8	2.0	mg/L	EPA 353.2	09/25/2014 15:48	9/25/2014 15:48	
Sulfate	720	5	mg/L	EPA 300.0	09/12/2014 06:30	9/12/2014 6:30	
Total Dissolved Solids (TDS)	1540	10	mg/L	SM 2540 C	09/15/2014 11:27	9/15/2014 11:27	
Metals							
Arsenic, Dissolved	0.0059	0.0050	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:15	
Beryllium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:15	
Calcium, Dissolved	242	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 11:59	
Cadmium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:15	
Cobalt, Dissolved	ND	0.010	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:15	
Chromium, Dissolved	ND	0.0250	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:15	
Copper, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:15	
Iron, Dissolved	ND	0.03	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 11:59	
Lead, Dissolved	ND	0.0010	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:15	
Mercury, Dissolved	ND	0.0005	mg/L	EPA 245.1	09/16/2014 10:00	9/16/2014 14:00	
Magnesium, Dissolved	66.8	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 11:59	
Manganese, Dissolved	0.015	0.010	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 11:59	
Molybdenum, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:15	
Nickel, Dissolved	ND	0.0200	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:15	
Potassium, Dissolved	6.3	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 11:59	
Selenium, Dissolved	0.0536	0.0050	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:15	
Silver, Dissolved	ND	0.010	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:15	
Tin, Dissolved	ND	0.10	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 11:59	
Sodium, Dissolved	94.9	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 11:59	
Thallium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:15	
Vanadium, Dissolved	ND	0.0150	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:15	
Zinc, Dissolved	ND	0.01	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 11:59	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409947-01

Name:	**Energy Fuels**	***Sample Date:***	9/9/2014 12:20 PM
Sample Site:	MW-30_09092014	***Receipt Date:***	9/12/2014 9:58 AM
Comments:		***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Radiochemistry							
Uranium, Dissolved	0.0077	0.0005	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:15	
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	09/15/2014 17:43	9/15/2014 17:43	
Benzene	ND	1.0	ug/L	EPA 8260B	09/15/2014 17:43	9/15/2014 17:43	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	09/15/2014 17:43	9/15/2014 17:43	
Chloroform	ND	1.0	ug/L	EPA 8260B	09/15/2014 17:43	9/15/2014 17:43	
Chloromethane	ND	1.0	ug/L	EPA 8260B	09/15/2014 17:43	9/15/2014 17:43	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	09/15/2014 17:43	9/15/2014 17:43	
Methylene Chloride	ND	1.0	ug/L	EPA 8260B	09/15/2014 17:43	9/15/2014 17:43	
Naphthalene	ND	1.0	ug/L	EPA 8260B	09/15/2014 17:43	9/15/2014 17:43	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	09/15/2014 17:43	9/15/2014 17:43	
Toluene	ND	1.0	ug/L	EPA 8260B	09/15/2014 17:43	9/15/2014 17:43	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	09/15/2014 17:43	9/15/2014 17:43	

Certificate of Analysis

Report Date: October 9, 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-30_09092014	Project:	DNMI00100
Sample ID:	356768003	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	09-SEP-14 12:20		
Receive Date:	15-SEP-14		
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	+/-0.131	0.511	1.00	pCi/L		CXP3	10/08/14	0905	1424111	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			103	(25%-125%)

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

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

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409584-05

Name:	Energy Fuels	**Sample Date:**	9/3/2014 2:00 PM
Sample Site:	MW-31_09032014	**Receipt Date:**	9/5/2014 9:45 AM
Comments:	White Mesa Mill	**Sampler:**	Tanner Holliday
Sample Matrix:	Water	**Project:**	White Mesa Mill - Groundwater
PO Number:		**Project Number:**	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Calculations							
Anions, Total	20.9		meq/L	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
Cation/Anion Balance	1.9		%	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
Cations, Total	21.7		meq/L	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
TDS Balance	87		%	SM 2340 B	09/29/2014 12:50	9/29/2014 13:00	
Inorganic							
Alkalinity - Bicarbonate (HCO3)	183	1.0	mg/L	SM 2320 B	09/11/2014 09:59	9/15/2014 22:57	
Alkalinity - Carbonate (CO3)	ND	1.0	mg/L	SM 2320 B	09/11/2014 09:59	9/15/2014 22:57	
Ammonia as N	ND	0.05	mg/L	SM 4500 NH3-D	09/11/2014 11:00	9/11/2014 11:00	
Chloride	210	10	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Fluoride	0.8	0.1	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Nitrate + Nitrite, Total	18.9	1.0	mg/L	EPA 353.2	09/17/2014 12:24	9/17/2014 12:24	
Sulfate	560	10	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Total Dissolved Solids (TDS)	1460	10	mg/L	SM 2540 C	09/05/2014 16:59	9/5/2014 16:59	
Metals							
Arsenic, Dissolved	0.0060	0.0050	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:16	
Beryllium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/9/2014 10:22	
Calcium, Dissolved	189	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:43	
Cadmium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:16	
Cobalt, Dissolved	ND	0.010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:16	
Chromium, Dissolved	ND	0.0250	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:16	
Copper, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:16	
Iron, Dissolved	ND	0.03	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:43	
Lead, Dissolved	ND	0.0010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:16	
Mercury, Dissolved	ND	0.0005	mg/L	EPA 245.1	09/09/2014 09:00	9/9/2014 13:00	
Magnesium, Dissolved	95.8	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:43	
Manganese, Dissolved	ND	0.010	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:43	
Molybdenum, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:16	
Nickel, Dissolved	ND	0.0200	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:16	
Potassium, Dissolved	6.0	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:43	
Selenium, Dissolved	0.0815	0.0050	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:16	
Silver, Dissolved	ND	0.010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:16	
Tin, Dissolved	ND	0.10	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:43	
Sodium, Dissolved	96.5	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:43	
Thallium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:16	
Vanadium, Dissolved	ND	0.0150	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:16	
Zinc, Dissolved	ND	0.01	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:43	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409584-05

Name:	**Energy Fuels**	***Sample Date:***	9/3/2014 2:00 PM
Sample Site:	MW-31_09032014	***Receipt Date:***	9/5/2014 9:45 AM
Comments:	White Mesa Mill	***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Radiochemistry							
Uranium, Dissolved	0.0084	0.0010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:16	
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	09/10/2014 15:16	9/10/2014 15:16	
Benzene	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:16	9/10/2014 15:16	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:16	9/10/2014 15:16	
Chloroform	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:16	9/10/2014 15:16	
Chloromethane	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:16	9/10/2014 15:16	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	09/10/2014 15:16	9/10/2014 15:16	
Methylene Chloride	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:16	9/10/2014 15:16	
Naphthalene	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:16	9/10/2014 15:16	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:16	9/10/2014 15:16	
Toluene	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:16	9/10/2014 15:16	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:16	9/10/2014 15:16	

Certificate of Analysis

Report Date: September 25, 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-31_09032014	Project:	DNMI00100
Sample ID:	356308006	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	03-SEP-14 14:00		
Receive Date:	09-SEP-14		
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	+/-0.342	0.975	1.00	pCi/L		CXP3	09/23/14	1414	1418231	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			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.

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

Certificate of Analysis

Report Date: September 25, 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-32_09022014	Project:	DNMI00100
Sample ID:	356308001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	02-SEP-14 13:40		
Receive Date:	09-SEP-14		
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		3.69	+/-0.588	1.06	1.00	pCi/L		CXP3	09/23/14	1415	1418231	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			104	(25%-125%)

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

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

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409584-06

Name:	Energy Fuels	**Sample Date:**	9/3/2014 3:00 PM
Sample Site:	MW-35_09032014	**Receipt Date:**	9/5/2014 9:45 AM
Comments:	White Mesa Mill	**Sampler:**	Tanner Holliday
Sample Matrix:	Water	**Project:**	White Mesa Mill - Groundwater
PO Number:		**Project Number:**	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Calculations							
Anions, Total	52.7		meq/L	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
Cation/Anion Balance	-1.9		%	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
Cations, Total	50.8		meq/L	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
TDS Balance	89		%	SM 2340 B	09/29/2014 12:50	9/29/2014 13:00	
Inorganic							
Alkalinity - Bicarbonate (HCO3)	343	1.0	mg/L	SM 2320 B	09/11/2014 09:59	9/15/2014 22:57	
Alkalinity - Carbonate (CO3)	ND	1.0	mg/L	SM 2320 B	09/11/2014 09:59	9/15/2014 22:57	
Ammonia as N	ND	0.05	mg/L	SM 4500 NH3-D	09/11/2014 11:00	9/11/2014 11:00	
Chloride	63	1	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Fluoride	0.4	0.1	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Nitrate + Nitrite, Total	ND	0.1	mg/L	EPA 353.2	09/17/2014 12:24	9/17/2014 12:24	
Sulfate	2180	20	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Total Dissolved Solids (TDS)	3810	10	mg/L	SM 2540 C	09/05/2014 16:59	9/5/2014 16:59	
Metals							
Arsenic, Dissolved	ND	0.0050	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:31	
Beryllium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/9/2014 10:26	
Calcium, Dissolved	444	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:55	
Cadmium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:31	
Cobalt, Dissolved	ND	0.010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:31	
Chromium, Dissolved	ND	0.0250	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:31	
Copper, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:31	
Iron, Dissolved	0.07	0.03	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:55	
Lead, Dissolved	ND	0.0010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:31	
Mercury, Dissolved	ND	0.0005	mg/L	EPA 245.1	09/09/2014 09:00	9/9/2014 13:00	
Magnesium, Dissolved	154	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:55	
Manganese, Dissolved	0.177	0.010	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:55	
Molybdenum, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:31	
Nickel, Dissolved	ND	0.0200	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:31	
Potassium, Dissolved	10.9	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:55	
Selenium, Dissolved	0.0314	0.0050	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:31	
Silver, Dissolved	ND	0.010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:31	
Tin, Dissolved	ND	0.10	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:55	
Sodium, Dissolved	361	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:55	
Thallium, Dissolved	0.0006	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:31	
Vanadium, Dissolved	ND	0.0150	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:31	
Zinc, Dissolved	ND	0.01	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:55	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409584-06

Name:	**Energy Fuels**	***Sample Date:***	9/3/2014 3:00 PM
Sample Site:	MW-35_09032014	***Receipt Date:***	9/5/2014 9:45 AM
Comments:	White Mesa Mill	***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Radiochemistry							
Uranium, Dissolved	0.0236	0.0010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:31	
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	09/10/2014 15:34	9/10/2014 15:34	
Benzene	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:34	9/10/2014 15:34	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:34	9/10/2014 15:34	
Chloroform	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:34	9/10/2014 15:34	
Chloromethane	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:34	9/10/2014 15:34	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	09/10/2014 15:34	9/10/2014 15:34	
Methylene Chloride	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:34	9/10/2014 15:34	
Naphthalene	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:34	9/10/2014 15:34	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:34	9/10/2014 15:34	
Toluene	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:34	9/10/2014 15:34	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:34	9/10/2014 15:34	

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

Certificate of Analysis

Report Date: September 25, 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_09032014	Project:	DNMI00100
Sample ID:	356308005	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	03-SEP-14 15:00		
Receive Date:	09-SEP-14		
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		3.93	+/-0.595	1.05	1.00	pCi/L		CXP3	09/23/14	1414	1418231	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			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.

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409584-07

Name:	**Energy Fuels**	***Sample Date:***	9/3/2014 1:25 PM
Sample Site:	MW-36_09032014	***Receipt Date:***	9/5/2014 9:45 AM
Comments:	White Mesa Mill	***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Calculations							
Anions, Total	60.3		meq/L	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
Cation/Anion Balance	-0.7		%	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
Cations, Total	59.4		meq/L	SM 1030 E	09/29/2014 12:50	9/29/2014 13:00	
TDS Balance	91		%	SM 2340 B	09/29/2014 12:50	9/29/2014 13:00	
Inorganic							
Alkalinity - Bicarbonate (HCO3)	321	1.0	mg/L	SM 2320 B	09/11/2014 09:59	9/15/2014 22:57	
Alkalinity - Carbonate (CO3)	ND	1.0	mg/L	SM 2320 B	09/11/2014 09:59	9/15/2014 22:57	
Ammonia as N	ND	0.05	mg/L	SM 4500 NH3-D	09/11/2014 11:00	9/11/2014 11:00	
Chloride	57	1	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Fluoride	0.3	0.1	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Nitrate + Nitrite, Total	0.2	0.1	mg/L	EPA 353.2	09/17/2014 12:24	9/17/2014 12:24	
Sulfate	2570	20	mg/L	EPA 300.0	09/05/2014 15:00	9/5/2014 15:00	
Total Dissolved Solids (TDS)	4350	10	mg/L	SM 2540 C	09/05/2014 16:59	9/5/2014 16:59	
Metals							
Arsenic, Dissolved	0.0126	0.0050	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:34	
Beryllium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/9/2014 10:29	
Calcium, Dissolved	390	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:59	
Cadmium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:34	
Cobalt, Dissolved	ND	0.010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:34	
Chromium, Dissolved	ND	0.0250	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:34	
Copper, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:34	
Iron, Dissolved	ND	0.03	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:59	
Lead, Dissolved	ND	0.0010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:34	
Mercury, Dissolved	ND	0.0005	mg/L	EPA 245.1	09/09/2014 09:00	9/9/2014 13:00	
Magnesium, Dissolved	136	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:59	
Manganese, Dissolved	ND	0.010	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:59	
Molybdenum, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:34	
Nickel, Dissolved	ND	0.0200	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:34	
Potassium, Dissolved	9.7	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:59	
Selenium, Dissolved	0.269	0.0050	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:34	
Silver, Dissolved	ND	0.010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:34	
Tin, Dissolved	ND	0.10	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:59	
Sodium, Dissolved	656	0.5	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:59	
Thallium, Dissolved	0.0007	0.0005	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:34	
Vanadium, Dissolved	ND	0.0150	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:34	
Zinc, Dissolved	ND	0.01	mg/L	EPA 200.7	09/11/2014 10:07	9/11/2014 16:59	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409584-07

Name:	**Energy Fuels**	***Sample Date:***	9/3/2014 1:25 PM
Sample Site:	MW-36_09032014	***Receipt Date:***	9/5/2014 9:45 AM
Comments:	White Mesa Mill	***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Radiochemistry							
Uranium, Dissolved	0.0213	0.0010	mg/L	EPA 200.8	09/08/2014 09:09	9/8/2014 13:34	
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	09/10/2014 15:52	9/10/2014 15:52	
Benzene	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:52	9/10/2014 15:52	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:52	9/10/2014 15:52	
Chloroform	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:52	9/10/2014 15:52	
Chloromethane	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:52	9/10/2014 15:52	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	09/10/2014 15:52	9/10/2014 15:52	
Methylene Chloride	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:52	9/10/2014 15:52	
Naphthalene	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:52	9/10/2014 15:52	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:52	9/10/2014 15:52	
Toluene	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:52	9/10/2014 15:52	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	09/10/2014 15:52	9/10/2014 15:52	

Certificate of Analysis

Report Date: September 25, 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-36_09032014	Project:	DNMI00100
Sample ID:	356308007	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	03-SEP-14 13:25		
Receive Date:	09-SEP-14		
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	0.844	1.00	pCi/L		CXP3	09/24/14	1318	1418231	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			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.

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1410333-07

Name:	Energy Fuels	**Sample Date:**	9/17/2014 12:30 PM
Sample Site:	MW-37_09172014	**Receipt Date:**	9/19/2014 10:05 AM
Comments:		**Sampler:**	Tanner Holliday
Sample Matrix:	Water	**Project:**	White Mesa Mill - Groundwater
PO Number:		**Project Number:**	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Calculations							
Anions, Total	54.5		meq/L	SM 1030 E	10/08/2014 13:47	10/8/2014 13:53	
Cation/Anion Balance	-3.2		%	SM 1030 E	10/08/2014 13:47	10/8/2014 13:53	
Cations, Total	51.1		meq/L	SM 1030 E	10/08/2014 13:47	10/8/2014 13:53	
TDS Balance	93		%	SM 2340 B	10/08/2014 13:47	10/8/2014 13:53	
Inorganic							
Alkalinity - Bicarbonate (HCO3)	243	1.0	mg/L	SM 2320 B	09/30/2014 20:30	10/1/2014 1:09	
Alkalinity - Carbonate (CO3)	ND	1.0	mg/L	SM 2320 B	09/30/2014 20:30	10/1/2014 1:09	
Ammonia as N	ND	0.2	mg/L	SM 4500 NH3-D	09/22/2014 11:00	9/22/2014 11:00	
Chloride	44	1	mg/L	EPA 300.0	09/19/2014 16:30	9/19/2014 16:30	
Fluoride	0.3	0.1	mg/L	EPA 300.0	09/19/2014 16:30	9/19/2014 16:30	
Nitrate + Nitrite, Total	1.0	1.0	mg/L	EPA 353.2	09/26/2014 15:02	9/26/2014 15:02	
Sulfate	2370	20	mg/L	EPA 300.0	09/19/2014 16:30	9/19/2014 16:30	
Total Dissolved Solids (TDS)	3850	20	mg/L	SM 2540 C	09/22/2014 12:31	9/22/2014 12:31	
Metals							
Arsenic, Dissolved	ND	0.0050	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:25	
Beryllium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:25	
Calcium, Dissolved	403	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:11	
Cadmium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:25	
Cobalt, Dissolved	ND	0.010	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:25	
Chromium, Dissolved	ND	0.0250	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:25	
Copper, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:25	
Iron, Dissolved	ND	0.03	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:11	
Lead, Dissolved	ND	0.0010	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:25	
Mercury, Dissolved	ND	0.0005	mg/L	EPA 245.1	09/24/2014 09:00	9/24/2014 12:00	
Magnesium, Dissolved	121	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:11	
Manganese, Dissolved	ND	0.010	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:11	
Molybdenum, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/26/2014 09:19	9/30/2014 16:14	
Nickel, Dissolved	0.0347	0.0200	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:25	
Potassium, Dissolved	14.3	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:11	
Selenium, Dissolved	0.0122	0.0050	mg/L	EPA 200.8	09/26/2014 09:19	9/30/2014 14:38	
Silver, Dissolved	ND	0.010	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:25	
Tin, Dissolved	ND	0.10	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:11	
Sodium, Dissolved	475	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:11	
Thallium, Dissolved	0.0005	0.0005	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:25	
Vanadium, Dissolved	ND	0.0150	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:25	
Zinc, Dissolved	0.01	0.01	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:11	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1410333-07

Name:	**Energy Fuels**	***Sample Date:***	9/17/2014 12:30 PM
Sample Site:	MW-37_09172014	***Receipt Date:***	9/19/2014 10:05 AM
Comments:		***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Radiochemistry							
Uranium, Dissolved	0.0107	0.0005	mg/L	EPA 200.8	09/26/2014 09:19	9/29/2014 12:25	
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	09/19/2014 18:36	9/19/2014 18:36	
Benzene	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:36	9/19/2014 18:36	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:36	9/19/2014 18:36	
Chloroform	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:36	9/19/2014 18:36	
Chloromethane	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:36	9/19/2014 18:36	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	09/19/2014 18:36	9/19/2014 18:36	
Methylene Chloride	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:36	9/19/2014 18:36	
Naphthalene	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:36	9/19/2014 18:36	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:36	9/19/2014 18:36	
Toluene	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:36	9/19/2014 18:36	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:36	9/19/2014 18:36	

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: October 13, 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_09172014	Project:	DNMI00100
Sample ID:	357193001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	17-SEP-14 12:30		
Receive Date:	22-SEP-14		
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		1.17	+/-0.265	0.466	1.00	pCi/L		CXP3	10/08/14	0905	1424111	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			103	(25%-125%)

Notes:

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

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

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409947-02

Name:	Energy Fuels	**Sample Date:**	9/9/2014 12:20 PM
Sample Site:	MW-65_09092014	**Receipt Date:**	9/12/2014 9:58 AM
Comments:		**Sampler:**	Garrin Palmer
Sample Matrix:	Water	**Project:**	White Mesa Mill - Groundwater
PO Number:		**Project Number:**	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Calculations							
Anions, Total	22.2		meq/L	SM 1030 E	09/30/2014 09:41	9/30/2014 9:48	
Cation/Anion Balance	-1.3		%	SM 1030 E	09/30/2014 09:41	9/30/2014 9:48	
Cations, Total	21.7		meq/L	SM 1030 E	09/30/2014 09:41	9/30/2014 9:48	
TDS Balance	88		%	SM 2340 B	09/30/2014 09:41	9/30/2014 9:48	
Inorganic							
Alkalinity - Bicarbonate (HCO3)	188	1.0	mg/L	SM 2320 B	09/19/2014 09:00	9/19/2014 18:12	
Alkalinity - Carbonate (CO3)	ND	1.0	mg/L	SM 2320 B	09/19/2014 09:00	9/19/2014 18:12	
Ammonia as N	ND	0.05	mg/L	SM 4500 NH3-D	09/14/2014 10:45	9/14/2014 10:45	
Chloride	137	5	mg/L	EPA 300.0	09/12/2014 06:30	9/12/2014 6:30	
Fluoride	0.4	0.1	mg/L	EPA 300.0	09/12/2014 06:30	9/12/2014 6:30	
Nitrate + Nitrite, Total	17.3	1.0	mg/L	EPA 353.2	09/25/2014 15:48	9/25/2014 15:48	
Sulfate	722	5	mg/L	EPA 300.0	09/12/2014 06:30	9/12/2014 6:30	
Total Dissolved Solids (TDS)	1560	10	mg/L	SM 2540 C	09/15/2014 11:27	9/15/2014 11:27	
Metals							
Arsenic, Dissolved	0.0052	0.0050	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:29	
Beryllium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:29	
Calcium, Dissolved	239	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:03	
Cadmium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:29	
Cobalt, Dissolved	ND	0.010	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:29	
Chromium, Dissolved	ND	0.0250	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:29	
Copper, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:29	
Iron, Dissolved	ND	0.03	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:03	
Lead, Dissolved	ND	0.0010	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:29	
Mercury, Dissolved	ND	0.0005	mg/L	EPA 245.1	09/16/2014 10:00	9/16/2014 14:00	
Magnesium, Dissolved	67.0	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:03	
Manganese, Dissolved	0.015	0.010	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:03	
Molybdenum, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:29	
Nickel, Dissolved	ND	0.0200	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:29	
Potassium, Dissolved	6.3	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:03	
Selenium, Dissolved	0.0490	0.0050	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:29	
Silver, Dissolved	ND	0.010	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:29	
Tin, Dissolved	ND	0.10	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:03	
Sodium, Dissolved	93.7	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:03	
Thallium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:29	
Vanadium, Dissolved	ND	0.0150	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:29	
Zinc, Dissolved	ND	0.01	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 12:03	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409947-02

Name:	**Energy Fuels**	***Sample Date:***	9/9/2014 12:20 PM
Sample Site:	MW-65_09092014	***Receipt Date:***	9/12/2014 9:58 AM
Comments:		***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Radiochemistry							
Uranium, Dissolved	0.0070	0.0005	mg/L	EPA 200.8	09/16/2014 11:12	9/16/2014 14:29	
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	09/15/2014 18:00	9/15/2014 18:00	
Benzene	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:00	9/15/2014 18:00	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:00	9/15/2014 18:00	
Chloroform	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:00	9/15/2014 18:00	
Chloromethane	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:00	9/15/2014 18:00	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	09/15/2014 18:00	9/15/2014 18:00	
Methylene Chloride	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:00	9/15/2014 18:00	
Naphthalene	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:00	9/15/2014 18:00	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:00	9/15/2014 18:00	
Toluene	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:00	9/15/2014 18:00	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:00	9/15/2014 18:00	

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: October 9, 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-65_09092014	Project:	DNMI00100
Sample ID:	356768004	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	09-SEP-14 12:20		
Receive Date:	15-SEP-14		
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	+/-0.198	0.562	1.00	pCi/L		CXP3	10/08/14	0905	1424111	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			103	(25%-125%)

Notes:

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

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

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1410333-09

Name:	**Energy Fuels**	***Sample Date:***	9/17/2014 12:30 PM
Sample Site:	MW-70_09172014	***Receipt Date:***	9/19/2014 10:05 AM
Comments:		***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Calculations							
Anions, Total	51.1		meq/L	SM 1030 E	10/08/2014 13:47	10/8/2014 13:53	
Cation/Anion Balance	-1.2		%	SM 1030 E	10/08/2014 13:47	10/8/2014 13:53	
Cations, Total	53.4		meq/L	SM 1030 E	10/08/2014 13:47	10/8/2014 13:53	
TDS Balance	94		%	SM 2340 B	10/08/2014 13:47	10/8/2014 13:53	
Inorganic							
Alkalinity - Bicarbonate (HCO3)	240	1.0	mg/L	SM 2320 B	09/30/2014 20:30	10/1/2014 1:09	
Alkalinity - Carbonate (CO3)	ND	1.0	mg/L	SM 2320 B	09/30/2014 20:30	10/1/2014 1:09	
Ammonia as N	ND	0.2	mg/L	SM 4500 NH3-D	09/22/2014 11:00	9/22/2014 11:00	
Chloride	44	1	mg/L	EPA 300.0	09/19/2014 16:30	9/19/2014 16:30	
Fluoride	0.3	0.1	mg/L	EPA 300.0	09/19/2014 16:30	9/19/2014 16:30	
Nitrate + Nitrite, Total	0.4	0.1	mg/L	EPA 353.2	09/26/2014 15:02	9/26/2014 15:02	
Sulfate	2380	20	mg/L	EPA 300.0	09/19/2014 16:30	9/19/2014 16:30	
Total Dissolved Solids (TDS)	3840	20	mg/L	SM 2540 C	09/22/2014 12:31	9/22/2014 12:31	
Metals							
Arsenic, Dissolved	ND	0.0050	mg/L	EPA 200.8	09/26/2014 09:32	9/29/2014 12:52	
Beryllium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/26/2014 09:32	9/29/2014 12:52	
Calcium, Dissolved	425	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:23	
Cadmium, Dissolved	ND	0.0005	mg/L	EPA 200.8	09/26/2014 09:32	9/29/2014 12:52	
Cobalt, Dissolved	ND	0.010	mg/L	EPA 200.8	09/26/2014 09:32	9/29/2014 12:52	
Chromium, Dissolved	ND	0.0250	mg/L	EPA 200.8	09/26/2014 09:32	9/29/2014 12:52	
Copper, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/26/2014 09:32	9/29/2014 12:52	
Iron, Dissolved	ND	0.03	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:23	
Lead, Dissolved	ND	0.0010	mg/L	EPA 200.8	09/26/2014 09:32	9/29/2014 12:52	
Mercury, Dissolved	ND	0.0005	mg/L	EPA 245.1	09/24/2014 09:00	9/24/2014 12:00	
Magnesium, Dissolved	126	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:23	
Manganese, Dissolved	ND	0.010	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:23	
Molybdenum, Dissolved	ND	0.0100	mg/L	EPA 200.8	09/26/2014 09:32	9/30/2014 16:18	
Nickel, Dissolved	0.0344	0.0200	mg/L	EPA 200.8	09/26/2014 09:32	9/29/2014 12:52	
Potassium, Dissolved	14.7	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:23	
Selenium, Dissolved	0.0115	0.0050	mg/L	EPA 200.8	09/26/2014 09:32	9/30/2014 14:42	
Silver, Dissolved	ND	0.010	mg/L	EPA 200.8	09/26/2014 09:32	9/29/2014 12:52	
Tin, Dissolved	ND	0.10	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:23	
Sodium, Dissolved	493	0.5	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:23	
Thallium, Dissolved	0.0005	0.0005	mg/L	EPA 200.8	09/26/2014 09:32	9/29/2014 12:52	
Vanadium, Dissolved	ND	0.0150	mg/L	EPA 200.8	09/26/2014 09:32	9/29/2014 12:52	
Zinc, Dissolved	0.02	0.01	mg/L	EPA 200.7	09/26/2014 10:15	9/26/2014 13:23	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1410333-09

Name:	**Energy Fuels**	***Sample Date:***	9/17/2014 12:30 PM
Sample Site:	MW-70_09172014	***Receipt Date:***	9/19/2014 10:05 AM
Comments:		***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Radiochemistry							
Uranium, Dissolved	0.0103	0.0005	mg/L	EPA 200.8	09/26/2014 09:32	9/29/2014 12:52	
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	09/19/2014 19:12	9/19/2014 19:12	
Benzene	ND	1.0	ug/L	EPA 8260B	09/19/2014 19:12	9/19/2014 19:12	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	09/19/2014 19:12	9/19/2014 19:12	
Chloroform	ND	1.0	ug/L	EPA 8260B	09/19/2014 19:12	9/19/2014 19:12	
Chloromethane	ND	1.0	ug/L	EPA 8260B	09/19/2014 19:12	9/19/2014 19:12	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	09/19/2014 19:12	9/19/2014 19:12	
Methylene Chloride	ND	1.0	ug/L	EPA 8260B	09/19/2014 19:12	9/19/2014 19:12	
Naphthalene	ND	1.0	ug/L	EPA 8260B	09/19/2014 19:12	9/19/2014 19:12	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	09/19/2014 19:12	9/19/2014 19:12	
Toluene	ND	1.0	ug/L	EPA 8260B	09/19/2014 19:12	9/19/2014 19:12	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	09/19/2014 19:12	9/19/2014 19:12	

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: October 13, 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_09172014	Project:	DNMI00100
Sample ID:	357193002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	17-SEP-14 12:30		
Receive Date:	22-SEP-14		
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	+/-0.230	0.522	1.00	pCi/L		CXP3	10/08/14	0905	1424111	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			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.

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409947-04

Name:	**Energy Fuels**	***Sample Date:***	9/8/2014 12:00 PM
Sample Site:	Trip Blank	***Receipt Date:***	9/12/2014 9:58 AM
Comments:		***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	09/15/2014 18:36	9/15/2014 18:36	
Benzene	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:36	9/15/2014 18:36	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:36	9/15/2014 18:36	
Chloroform	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:36	9/15/2014 18:36	
Chloromethane	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:36	9/15/2014 18:36	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	09/15/2014 18:36	9/15/2014 18:36	
Methylene Chloride	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:36	9/15/2014 18:36	
Naphthalene	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:36	9/15/2014 18:36	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:36	9/15/2014 18:36	
Toluene	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:36	9/15/2014 18:36	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	09/15/2014 18:36	9/15/2014 18:36	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1409584-08

Name:	**Energy Fuels**	***Sample Date:***	9/2/2014 12:00 AM
Sample Site:	Trip Blank	***Receipt Date:***	9/5/2014 9:45 AM
Comments:	White Mesa Mill	***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	09/10/2014 16:10	9/10/2014 16:10	
Benzene	ND	1.0	ug/L	EPA 8260B	09/10/2014 16:10	9/10/2014 16:10	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	09/10/2014 16:10	9/10/2014 16:10	
Chloroform	ND	1.0	ug/L	EPA 8260B	09/10/2014 16:10	9/10/2014 16:10	
Chloromethane	ND	1.0	ug/L	EPA 8260B	09/10/2014 16:10	9/10/2014 16:10	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	09/10/2014 16:10	9/10/2014 16:10	
Methylene Chloride	ND	1.0	ug/L	EPA 8260B	09/10/2014 16:10	9/10/2014 16:10	
Naphthalene	ND	1.0	ug/L	EPA 8260B	09/10/2014 16:10	9/10/2014 16:10	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	09/10/2014 16:10	9/10/2014 16:10	
Toluene	ND	1.0	ug/L	EPA 8260B	09/10/2014 16:10	9/10/2014 16:10	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	09/10/2014 16:10	9/10/2014 16:10	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1410333-08

Name:	**Energy Fuels**	***Sample Date:***	9/17/2014 12:00 AM
Sample Site:	Trip Blank	***Receipt Date:***	9/19/2014 10:05 AM
Comments:		***Sampler:***	Tanner Holliday
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	09/19/2014 18:54	9/19/2014 18:54	
Benzene	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:54	9/19/2014 18:54	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:54	9/19/2014 18:54	
Chloroform	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:54	9/19/2014 18:54	
Chloromethane	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:54	9/19/2014 18:54	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	09/19/2014 18:54	9/19/2014 18:54	
Methylene Chloride	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:54	9/19/2014 18:54	
Naphthalene	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:54	9/19/2014 18:54	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:54	9/19/2014 18:54	
Toluene	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:54	9/19/2014 18:54	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	09/19/2014 18:54	9/19/2014 18:54	

CHEMTECH-FORD
LABORATORIES

9/30/2014

Work Order: 1409947

Energy Fuels

Attn: Garrin Palmer

6425 South Highway 191

Blanding, UT 84511

Client Service Contact: 801.262.7299

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.

Approved By: Dave Gayer, Laboratory Director

Case Narrative for Sample Delivery Group - 1409947

Energy Fuels

SampleID	SampleName	Matrix	Sampled	Received
1409947-01	MW-30_09092014	Water	09/09/2014	09/12/2014
1409947-02	MW-65_09092014	Water	09/09/2014	09/12/2014
1409947-03	MW-11_09082014	Water	09/08/2014	09/12/2014
1409947-04	Trip Blank	Water	09/08/2014	09/12/2014

Method Blanks

All method blanks were below the Minimum Reporting Limit (MRL).

Laboratory Control Samples

All Laboratory Control Sample (LCS) recoveries were within laboratory control limits.

Holding Times

All preparations and analyses were performed within holding times

Matrix Spike/Matrix Spike Duplicate

All Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries were within control except where noted on the QC report.

Surrogates

All surrogates were within laboratory control limits.

Analytical Summary - 1409947

Lab ID: 1409947-01
Client ID: MW-30_09092014
Matrix: Water

Analyses
EPA 200.7
EPA 200.8
EPA 245.1
EPA 300.0
EPA 353.2
EPA 8260B
SM 2320 B
SM 2540 C
SM 4500 NH3-D

Lab ID: 1409947-02
Client ID: MW-65_09092014
Matrix: Water

Analyses
EPA 200.7
EPA 200.8
EPA 245.1
EPA 300.0
EPA 353.2
EPA 8260B
SM 2320 B
SM 2540 C
SM 4500 NH3-D

Lab ID: 1409947-03
Client ID: MW-11_09082014
Matrix: Water

Analyses
EPA 200.7
EPA 200.8
EPA 245.1
EPA 300.0
EPA 353.2
EPA 8260B
SM 2320 B
SM 2540 C
SM 4500 NH3-D

Lab ID: 1409947-04

Client ID: Trip Blank

Matrix: Water

Analyses

EPA 8260B

QC Summary for Sample Delivery Group - 1409947

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 200.7																		
B409784-BLK1	Calcium, Dissolved						0.03					B409784		09/26/14	09/26/14	0.00	0.2	1
B409784-BLK1	Iron, Dissolved						0.0004					B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-BLK1	Magnesium, Dissolved						-0.000					B409784		09/26/14	09/26/14	0.01	0.2	1
B409784-BLK1	Manganese, Dissolved						-0.000					B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-BLK1	Potassium, Dissolved						-0.03					B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-BLK1	Sodium, Dissolved						0.01					B409784		09/26/14	09/26/14	0.02	0.5	1
B409784-BLK1	Tin, Dissolved						-0.001					B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-BLK1	Zinc, Dissolved						-0.000					B409784		09/26/14	09/26/14	0.00	0.01	1
Calibration Blank - Method EPA 200.7																		
4I26009-CCB1	Calcium, Dissolved						0.009					4I26009		09/26/14	09/26/14			1
4I26009-CCB1	Iron, Dissolved						-0.000					4I26009		09/26/14	09/26/14			1
4I26009-CCB1	Magnesium, Dissolved						0.001					4I26009		09/26/14	09/26/14			1
4I26009-CCB1	Manganese, Dissolved						0.0002					4I26009		09/26/14	09/26/14			1
4I26009-CCB1	Potassium, Dissolved						0.009					4I26009		09/26/14	09/26/14			1
4I26009-CCB1	Sodium, Dissolved						0.1					4I26009		09/26/14	09/26/14			1
4I26009-CCB1	Tin, Dissolved						0.006					4I26009		09/26/14	09/26/14			1
4I26009-CCB1	Zinc, Dissolved						-0.000					4I26009		09/26/14	09/26/14			1
4I26009-CCB2	Calcium, Dissolved						0.01					4I26009		09/26/14	09/26/14			1
4I26009-CCB2	Iron, Dissolved						-0.001					4I26009		09/26/14	09/26/14			1
4I26009-CCB2	Magnesium, Dissolved						0.01					4I26009		09/26/14	09/26/14			1
4I26009-CCB2	Manganese, Dissolved						0.0002					4I26009		09/26/14	09/26/14			1
4I26009-CCB2	Potassium, Dissolved						0.02					4I26009		09/26/14	09/26/14			1
4I26009-CCB2	Sodium, Dissolved						0.2					4I26009		09/26/14	09/26/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I26009-CCB2	Tin, Dissolved						0.005					4I26009		09/26/14	09/26/14			1
4I26009-CCB2	Zinc, Dissolved						0.0004					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Calcium, Dissolved						0.008					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Iron, Dissolved						-0.001					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Magnesium, Dissolved						0.01					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Manganese, Dissolved						0.0002					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Potassium, Dissolved						-0.01					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Sodium, Dissolved						0.08					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Tin, Dissolved						0.004					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Zinc, Dissolved						0.0000					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Calcium, Dissolved						0.01					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Iron, Dissolved						-0.001					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Magnesium, Dissolved						0.01					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Manganese, Dissolved						0.0000					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Potassium, Dissolved						-0.02					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Sodium, Dissolved						0.2					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Tin, Dissolved						-0.001					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Zinc, Dissolved						0.001					4I26009		09/26/14	09/26/14			1

Calibration Check - Method EPA 200.7

4I26009-CCV1	Calcium, Dissolved	103		90	110		2.1			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV1	Iron, Dissolved	105		90	110		2.10			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV1	Magnesium, Dissolved	103		90	110		2.1			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV1	Manganese, Dissolved	98.4		90	110		1.97			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV1	Potassium, Dissolved	101		90	110		20.3			20.0		4I26009		09/26/14	09/26/14			1
4I26009-CCV1	Sodium, Dissolved	98.2		90	110		19.6			20.0		4I26009		09/26/14	09/26/14			1
4I26009-CCV1	Tin, Dissolved	102		90	110		2.03			2.00		4I26009		09/26/14	09/26/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I26009-CCV1	Zinc, Dissolved	103		90	110		2.05			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Calcium, Dissolved	103		90	110		2.1			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Iron, Dissolved	103		90	110		2.07			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Magnesium, Dissolved	102		90	110		2.0			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Manganese, Dissolved	98.2		90	110		1.96			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Potassium, Dissolved	101		90	110		20.2			20.0		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Sodium, Dissolved	98.9		90	110		19.8			20.0		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Tin, Dissolved	96.4		90	110		1.93			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Zinc, Dissolved	102		90	110		2.03			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Calcium, Dissolved	100		90	110		2.0			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Iron, Dissolved	102		90	110		2.04			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Magnesium, Dissolved	99.8		90	110		2.0			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Manganese, Dissolved	98.1		90	110		1.96			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Potassium, Dissolved	101		90	110		20.2			20.0		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Sodium, Dissolved	97.9		90	110		19.6			20.0		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Tin, Dissolved	94.9		90	110		1.90			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Zinc, Dissolved	101		90	110		2.01			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Calcium, Dissolved	100		90	110		2.0			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Iron, Dissolved	101		90	110		2.03			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Magnesium, Dissolved	100		90	110		2.0			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Manganese, Dissolved	97.8		90	110		1.96			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Potassium, Dissolved	101		90	110		20.1			20.0		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Sodium, Dissolved	99.3		90	110		19.9			20.0		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Tin, Dissolved	92.9		90	110		1.86			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Zinc, Dissolved	99.5		90	110		1.99			2.00		4I26009		09/26/14	09/26/14			1

Initial Cal Blank - Method EPA 200.7

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I26009-ICB1	Calcium, Dissolved						0.02					4I26009		09/26/14	09/26/14			1
4I26009-ICB1	Iron, Dissolved						0.007					4I26009		09/26/14	09/26/14			1
4I26009-ICB1	Magnesium, Dissolved						0.01					4I26009		09/26/14	09/26/14			1
4I26009-ICB1	Manganese, Dissolved						0.0001					4I26009		09/26/14	09/26/14			1
4I26009-ICB1	Potassium, Dissolved						0.005					4I26009		09/26/14	09/26/14			1
4I26009-ICB1	Sodium, Dissolved						0.02					4I26009		09/26/14	09/26/14			1
4I26009-ICB1	Tin, Dissolved						0.0006					4I26009		09/26/14	09/26/14			1
4I26009-ICB1	Zinc, Dissolved						0.0006					4I26009		09/26/14	09/26/14			1
Initial Cal Check - Method EPA 200.7																		
4I26009-ICV1	Calcium, Dissolved	103		95	105		2.1			2.00		4I26009		09/26/14	09/26/14			1
4I26009-ICV1	Iron, Dissolved	104		95	105		2.07			2.00		4I26009		09/26/14	09/26/14			1
4I26009-ICV1	Magnesium, Dissolved	99.8		95	105		2.0			2.00		4I26009		09/26/14	09/26/14			1
4I26009-ICV1	Manganese, Dissolved	98.4		95	105		1.97			2.00		4I26009		09/26/14	09/26/14			1
4I26009-ICV1	Potassium, Dissolved	102		95	105		20.4			20.0		4I26009		09/26/14	09/26/14			1
4I26009-ICV1	Sodium, Dissolved	98.3		95	105		19.7			20.0		4I26009		09/26/14	09/26/14			1
4I26009-ICV1	Tin, Dissolved	103		95	105		2.07			2.00		4I26009		09/26/14	09/26/14			1
4I26009-ICV1	Zinc, Dissolved	100		95	105		2.01			2.00		4I26009		09/26/14	09/26/14			1
LCS - Method EPA 200.7																		
B409784-BS1	Calcium, Dissolved	93.2		85	115		9.5			10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
B409784-BS1	Iron, Dissolved	86.4		85	115		0.17			0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-BS1	Magnesium, Dissolved	101		85	115		10.3			10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
B409784-BS1	Manganese, Dissolved	88.9		85	115		0.178			0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-BS1	Potassium, Dissolved	94.6		85	115		7.6			8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-BS1	Sodium, Dissolved	96.9		85	115		9.7			10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
B409784-BS1	Tin, Dissolved	101		85	155		0.20			0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-BS1	Zinc, Dissolved	85.0		85	115		0.17			0.200		B409784		09/26/14	09/26/14	0.00	0.01	1

Matrix Spike - Method EPA 200.7

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409784-MS1	Calcium, Dissolved	126		70	130		57.2	XXXXXXX-XX	44.3	10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
B409784-MS1	Iron, Dissolved	108		70	130		0.22	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MS1	Magnesium, Dissolved	108		70	130		21.4	XXXXXXX-XX	10.4	10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
B409784-MS1	Manganese, Dissolved	103		70	130		0.207	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MS1	Potassium, Dissolved	99.3		70	130		9.2	XXXXXXX-XX	1.3	8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-MS1	Sodium, Dissolved	103		70	130		16.8	XXXXXXX-XX	6.5	10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
B409784-MS1	Tin, Dissolved	99.8		70	130		0.21	XXXXXXX-XX	0.008	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MS1	Zinc, Dissolved	107		70	130		0.22	XXXXXXX-XX	0.009	0.200		B409784		09/26/14	09/26/14	0.00	0.01	1
B409784-MS2	Calcium, Dissolved	**-35.0**		70	130		399	XXXXXXX-XX	403	10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MS2	Iron, Dissolved	90.7		70	130		0.18	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MS2	Magnesium, Dissolved	95.9		70	130		131	XXXXXXX-XX	121	10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
B409784-MS2	Manganese, Dissolved	92.6		70	130		0.190	XXXXXXX-XX	0.005	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MS2	Potassium, Dissolved	99.4		70	130		22.2	XXXXXXX-XX	14.3	8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-MS2	Sodium, Dissolved	**-55.1**		70	130		469	XXXXXXX-XX	475	10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MS2	Tin, Dissolved	93.2		70	130		0.22	XXXXXXX-XX	0.03	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MS2	Zinc, Dissolved	87.8		70	130		0.19	XXXXXXX-XX	0.01	0.200		B409784		09/26/14	09/26/14	0.00	0.01	1
B409784-MS3	Calcium, Dissolved	121		70	130		49.2	**1409947-03**	36.8	10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
B409784-MS3	Iron, Dissolved	109		70	130		0.27	**1409947-03**	0.06	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MS3	Magnesium, Dissolved	99.4		70	130		21.1	**1409947-03**	10.9	10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
B409784-MS3	Manganese, Dissolved	96.8		70	130		0.268	**1409947-03**	0.074	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MS3	Potassium, Dissolved	97.2		70	130		13.7	**1409947-03**	6.0	8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-MS3	Sodium, Dissolved	85.7		70	130		551	**1409947-03**	542	10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
B409784-MS3	Tin, Dissolved	93.6		70	130		0.20	**1409947-03**	0.02	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MS3	Zinc, Dissolved	104		70	130		0.21	**1409947-03**	0	0.200		B409784		09/26/14	09/26/14	0.00	0.01	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409784-MS4	Calcium, Dissolved	**-189**		70	130		164	XXXXXXX-XX	183	10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MS4	Iron, Dissolved	75.1		70	130		0.36	XXXXXXX-XX	0.21	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MS4	Magnesium, Dissolved	**-26.8**		70	130		69.7	XXXXXXX-XX	72.5	10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MS4	Manganese, Dissolved	91.0		70	130		0.262	XXXXXXX-XX	0.080	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MS4	Potassium, Dissolved	76.7		70	130		13.6	XXXXXXX-XX	7.5	8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-MS4	Sodium, Dissolved	**-167**		70	130		156	XXXXXXX-XX	173	10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MS4	Tin, Dissolved	88.8		70	130		0.19	XXXXXXX-XX	0.02	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MS4	Zinc, Dissolved	89.2		70	130		0.18	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.01	1

Matrix Spike Dup - Method EPA 200.7

B409784-MSD1	Calcium, Dissolved	**146**	3.58	70	130	20	59.3	XXXXXXX-XX	44.3	10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MSD1	Iron, Dissolved	111	2.00	70	130	20	0.22	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MSD1	Magnesium, Dissolved	113	2.14	70	130	20	21.8	XXXXXXX-XX	10.4	10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
B409784-MSD1	Manganese, Dissolved	102	1.33	70	130	20	0.204	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MSD1	Potassium, Dissolved	103	2.97	70	130	20	9.5	XXXXXXX-XX	1.3	8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-MSD1	Sodium, Dissolved	104	0.240	70	130	20	16.8	XXXXXXX-XX	6.5	10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
B409784-MSD1	Tin, Dissolved	91.4	8.37	70	130	20	0.19	XXXXXXX-XX	0.008	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MSD1	Zinc, Dissolved	108	1.21	70	130	20	0.23	XXXXXXX-XX	0.009	0.200		B409784		09/26/14	09/26/14	0.00	0.01	1
B409784-MSD2	Calcium, Dissolved	**263**	7.34	70	130	20	430	XXXXXXX-XX	403	10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MSD2	Iron, Dissolved	97.4	7.11	70	130	20	0.19	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MSD2	Magnesium, Dissolved	**180**	6.32	70	130	20	139	XXXXXXX-XX	121	10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MSD2	Manganese, Dissolved	99.3	6.86	70	130	20	0.203	XXXXXXX-XX	0.005	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MSD2	Potassium, Dissolved	114	5.07	70	130	20	23.4	XXXXXXX-XX	14.3	8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-MSD2	Sodium, Dissolved	**287**	7.04	70	130	20	504	XXXXXXX-XX	475	10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409784-MSD2	Tin, Dissolved	87.3	5.57	70	130	20	0.21	XXXXXXX-XX	0.03	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MSD2	Zinc, Dissolved	95.4	7.68	70	130	20	0.21	XXXXXXX-XX	0.01	0.200		B409784		09/26/14	09/26/14	0.00	0.01	1
B409784-MSD3	Calcium, Dissolved	127	1.25	70	130	20	49.8	**1409947-03**	36.8	10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
B409784-MSD3	Iron, Dissolved	101	6.26	70	130	20	0.26	**1409947-03**	0.06	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MSD3	Magnesium, Dissolved	98.0	0.706	70	130	20	20.9	**1409947-03**	10.9	10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
B409784-MSD3	Manganese, Dissolved	94.4	1.74	70	130	20	0.263	**1409947-03**	0.074	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MSD3	Potassium, Dissolved	93.9	1.94	70	130	20	13.5	**1409947-03**	6.0	8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-MSD3	Sodium, Dissolved	**242**	2.80	70	130	20	566	**1409947-03**	542	10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MSD3	Tin, Dissolved	90.6	3.00	70	130	20	0.20	**1409947-03**	0.02	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MSD3	Zinc, Dissolved	101	2.81	70	130	20	0.20	**1409947-03**	0	0.200		B409784		09/26/14	09/26/14	0.00	0.01	1
B409784-MSD4	Calcium, Dissolved	**-97.4**	5.56	70	130	20	174	XXXXXXX-XX	183	10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MSD4	Iron, Dissolved	83.8	4.72	70	130	20	0.38	XXXXXXX-XX	0.21	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MSD4	Magnesium, Dissolved	**4.24**	4.44	70	130	20	72.9	XXXXXXX-XX	72.5	10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MSD4	Manganese, Dissolved	94.8	2.89	70	130	20	0.270	XXXXXXX-XX	0.080	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MSD4	Potassium, Dissolved	85.0	4.76	70	130	20	14.3	XXXXXXX-XX	7.5	8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-MSD4	Sodium, Dissolved	**-93.6**	4.59	70	130	20	163	XXXXXXX-XX	173	10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MSD4	Tin, Dissolved	94.1	5.31	70	130	20	0.20	XXXXXXX-XX	0.02	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MSD4	Zinc, Dissolved	93.6	4.77	70	130	20	0.19	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.01	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 200.8																		
B409453-BLK1	Arsenic, Dissolved						-0.000					B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BLK1	Beryllium, Dissolved						-0.000					B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BLK1	Cadmium, Dissolved						0.0000					B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BLK1	Chromium, Dissolved						-0.000					B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BLK1	Cobalt, Dissolved						0.00					B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BLK1	Copper, Dissolved						0.0000					B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BLK1	Lead, Dissolved						0.0000					B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BLK1	Molybdenum, Dissolved						-0.000					B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BLK1	Nickel, Dissolved						0.0000					B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BLK1	Selenium, Dissolved						-0.000					B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BLK1	Silver, Dissolved						0.0000					B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BLK1	Thallium, Dissolved						-0.000					B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BLK1	Uranium, Dissolved						-0.000					B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BLK1	Vanadium, Dissolved						-0.000					B409453		09/16/14	09/16/14	0.00	0.00	1
Calibration Blank - Method EPA 200.8																		
4I16017-CCB1	Arsenic, Dissolved						-0.000					4I16017		09/16/14	09/16/14			1
4I16017-CCB1	Beryllium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-CCB1	Cadmium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-CCB1	Chromium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-CCB1	Cobalt, Dissolved						-0.000					4I16017		09/16/14	09/16/14			1
4I16017-CCB1	Copper, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-CCB1	Lead, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-CCB1	Molybdenum, Dissolved						-0.000					4I16017		09/16/14	09/16/14			1
4I16017-CCB1	Nickel, Dissolved						-0.000					4I16017		09/16/14	09/16/14			1
4I16017-CCB1	Selenium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I16017-CCB1	Silver, Dissolved						0.0001					4I16017		09/16/14	09/16/14			1
4I16017-CCB1	Thallium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-CCB1	Uranium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-CCB1	Vanadium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-CCB2	Arsenic, Dissolved						-0.000					4I16017		09/16/14	09/16/14			1
4I16017-CCB2	Beryllium, Dissolved						0.00					4I16017		09/16/14	09/16/14			1
4I16017-CCB2	Cadmium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-CCB2	Chromium, Dissolved						0.0001					4I16017		09/16/14	09/16/14			1
4I16017-CCB2	Cobalt, Dissolved						0.00					4I16017		09/16/14	09/16/14			1
4I16017-CCB2	Copper, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-CCB2	Lead, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-CCB2	Molybdenum, Dissolved						-0.000					4I16017		09/16/14	09/16/14			1
4I16017-CCB2	Nickel, Dissolved						-0.000					4I16017		09/16/14	09/16/14			1
4I16017-CCB2	Selenium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-CCB2	Silver, Dissolved						0.0001					4I16017		09/16/14	09/16/14			1
4I16017-CCB2	Thallium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-CCB2	Uranium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-CCB2	Vanadium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1

Calibration Check - Method EPA 200.8

4I16017-CCV1	Arsenic, Dissolved	95.8		90	110		0.038			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV1	Beryllium, Dissolved	103		90	110		0.041			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV1	Cadmium, Dissolved	95.9		90	110		0.038			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV1	Chromium, Dissolved	96.4		90	110		0.039			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV1	Cobalt, Dissolved	101		90	110		0.041			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV1	Copper, Dissolved	96.3		90	110		0.039			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV1	Lead, Dissolved	104		90	110		0.041			0.0400		4I16017		09/16/14	09/16/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I16017-CCV1	Molybdenum, Dissolved	96.4		90	110		0.039			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV1	Nickel, Dissolved	97.6		90	110		0.0390			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV1	Selenium, Dissolved	95.4		90	110		0.038			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV1	Silver, Dissolved	103		90	110		0.041			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV1	Thallium, Dissolved	103		90	110		0.041			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV1	Uranium, Dissolved	98.9		90	110		0.040			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV1	Vanadium, Dissolved	95.2		90	110		0.038			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV2	Arsenic, Dissolved	97.4		90	110		0.039			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV2	Beryllium, Dissolved	101		90	110		0.040			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV2	Cadmium, Dissolved	96.4		90	110		0.039			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV2	Chromium, Dissolved	97.0		90	110		0.039			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV2	Cobalt, Dissolved	101		90	110		0.040			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV2	Copper, Dissolved	97.2		90	110		0.039			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV2	Lead, Dissolved	104		90	110		0.042			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV2	Molybdenum, Dissolved	97.6		90	110		0.039			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV2	Nickel, Dissolved	97.0		90	110		0.0388			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV2	Selenium, Dissolved	96.9		90	110		0.039			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV2	Silver, Dissolved	104		90	110		0.041			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV2	Thallium, Dissolved	104		90	110		0.042			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV2	Uranium, Dissolved	99.8		90	110		0.040			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV2	Vanadium, Dissolved	95.5		90	110		0.038			0.0400		4I16017		09/16/14	09/16/14			1

Initial Cal Blank - Method EPA 200.8

4I16017-ICB1	Arsenic, Dissolved						-0.000					4I16017		09/16/14	09/16/14			1
4I16017-ICB1	Beryllium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-ICB1	Cadmium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-ICB1	Chromium, Dissolved						-0.000					4I16017		09/16/14	09/16/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I16017-ICB1	Cobalt, Dissolved						-0.000					4I16017		09/16/14	09/16/14			1
4I16017-ICB1	Copper, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-ICB1	Lead, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-ICB1	Molybdenum, Dissolved						-0.000					4I16017		09/16/14	09/16/14			1
4I16017-ICB1	Nickel, Dissolved						-0.000					4I16017		09/16/14	09/16/14			1
4I16017-ICB1	Selenium, Dissolved						0.00					4I16017		09/16/14	09/16/14			1
4I16017-ICB1	Silver, Dissolved						0.0001					4I16017		09/16/14	09/16/14			1
4I16017-ICB1	Thallium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-ICB1	Uranium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-ICB1	Vanadium, Dissolved						-0.000					4I16017		09/16/14	09/16/14			1

Initial Cal Check - Method EPA 200.8

4I16017-ICV1	Arsenic, Dissolved	95.6		90	110		0.038			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-ICV1	Beryllium, Dissolved	97.4		90	110		0.039			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-ICV1	Cadmium, Dissolved	96.4		90	110		0.039			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-ICV1	Chromium, Dissolved	95.5		90	110		0.038			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-ICV1	Cobalt, Dissolved	99.8		90	110		0.040			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-ICV1	Copper, Dissolved	94.5		90	110		0.038			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-ICV1	Lead, Dissolved	102		90	110		0.041			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-ICV1	Molybdenum, Dissolved	97.0		90	110		0.039			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-ICV1	Nickel, Dissolved	95.9		90	110		0.0384			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-ICV1	Selenium, Dissolved	95.3		90	110		0.038			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-ICV1	Silver, Dissolved	102		90	110		0.041			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-ICV1	Thallium, Dissolved	101		90	110		0.040			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-ICV1	Uranium, Dissolved	92.8		90	110		0.037			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-ICV1	Vanadium, Dissolved	95.5		90	110		0.038			0.0400		4I16017		09/16/14	09/16/14			1

LCS - Method EPA 200.8

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409453-BS1	Arsenic, Dissolved	91.3		85	115		0.037			0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BS1	Beryllium, Dissolved	94.7		85	115		0.038			0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BS1	Cadmium, Dissolved	92.2		85	115		0.037			0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BS1	Chromium, Dissolved	91.4		85	115		0.037			0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BS1	Cobalt, Dissolved	96.2		85	115		0.038			0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BS1	Copper, Dissolved	91.8		85	115		0.037			0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BS1	Lead, Dissolved	98.0		85	115		0.039			0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BS1	Molybdenum, Dissolved	93.7		85	115		0.037			0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BS1	Nickel, Dissolved	91.6		85	115		0.0366			0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BS1	Selenium, Dissolved	90.6		85	115		0.036			0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BS1	Silver, Dissolved	95.2		85	115		0.038			0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BS1	Thallium, Dissolved	98.7		85	115		0.039			0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BS1	Uranium, Dissolved	93.5		85	115		0.037			0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-BS1	Vanadium, Dissolved	90.3		85	115		0.036			0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1

Matrix Spike - Method EPA 200.8

B409453-MS1	Arsenic, Dissolved	86.9		70	130		0.035	XXXXXXX-XX	0.0006	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS1	Beryllium, Dissolved	90.9		70	130		0.036	XXXXXXX-XX	0	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS1	Cadmium, Dissolved	85.4		70	130		0.034	XXXXXXX-XX	0	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS1	Chromium, Dissolved	86.5		70	130		0.035	XXXXXXX-XX	0.0009	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS1	Cobalt, Dissolved	91.3		70	130		0.037	XXXXXXX-XX	0.0002	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS1	Copper, Dissolved	**66.4**		70	130		0.065	XXXXXXX-XX	0.038	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
NR - No analyte requiring this QC element is included in this analytical bracket.																		
B409453-MS1	Lead, Dissolved	92.9		70	130		0.037	XXXXXXX-XX	0.0001	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS1	Molybdenum, Dissolved	91.8		70	130		0.040	XXXXXXX-XX	0.003	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS1	Nickel, Dissolved	84.0		75	125		0.0363	XXXXXXX-XX	0.0027	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS1	Selenium, Dissolved	83.6		70	130		0.035	XXXXXXX-XX	0.002	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS1	Silver, Dissolved	84.8		70	130		0.034	XXXXXXX-XX	0	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409453-MS1	Thallium, Dissolved	94.5		70	130		0.038	XXXXXXX-XX	0	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS1	Uranium, Dissolved	88.9		70	130		0.036	XXXXXXX-XX	0.0006	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS1	Vanadium, Dissolved	88.5		70	130		0.036	XXXXXXX-XX	0.0009	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS2	Arsenic, Dissolved	106		70	130		0.044	**1409947-03**	0.002	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS2	Beryllium, Dissolved	91.9		70	130		0.037	**1409947-03**	0	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS2	Cadmium, Dissolved	86.1		70	130		0.034	**1409947-03**	0.00002	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS2	Chromium, Dissolved	93.7		70	130		0.042	**1409947-03**	0.004	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS2	Cobalt, Dissolved	95.4		70	130		0.039	**1409947-03**	0.0007	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS2	Copper, Dissolved	75.0		70	130		0.036	**1409947-03**	0.006	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS2	Lead, Dissolved	93.3		70	130		0.037	**1409947-03**	0.00007	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS2	Molybdenum, Dissolved	102		70	130		0.043	**1409947-03**	0.002	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS2	Nickel, Dissolved	88.1		75	125		0.0382	**1409947-03**	0.0030	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS2	Selenium, Dissolved	114		70	130		0.050	**1409947-03**	0.004	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS2	Silver, Dissolved	81.4		70	130		0.033	**1409947-03**	0	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS2	Thallium, Dissolved	97.0		70	130		0.039	**1409947-03**	0	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS2	Uranium, Dissolved	98.6		70	130		0.040	**1409947-03**	0.0002	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS2	Vanadium, Dissolved	98.3		70	130		0.040	**1409947-03**	0.001	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 245.1																		
B409454-BLK1	Mercury, Dissolved						-0.000					B409454		09/16/14	09/16/14	0.00	0.00	1
Calibration Blank - Method EPA 245.1																		
4I16016-CCB1	Mercury, Dissolved						-0.027					4I16016		09/16/14	09/16/14			1
Calibration Check - Method EPA 245.1																		
4I16016-CCV1	Mercury, Dissolved	110		90	110		5.5000			5.00		4I16016		09/16/14	09/16/14			1
Initial Cal Blank - Method EPA 245.1																		
4I16016-ICB1	Mercury, Dissolved						-0.051					4I16016		09/16/14	09/16/14			1
Initial Cal Check - Method EPA 245.1																		
4I16016-ICV1	Mercury, Dissolved	103		90	110		5.1601			5.00		4I16016		09/16/14	09/16/14			1
LCS - Method EPA 245.1																		
B409454-BS1	Mercury, Dissolved	108		85	115		0.0054			0.00500		B409454		09/16/14	09/16/14	0.00	0.00	1
Matrix Spike - Method EPA 245.1																		
B409454-MS1	Mercury, Dissolved	112		75	125		0.0056	**1409947-03**	0	0.00500		B409454		09/16/14	09/16/14	0.00	0.00	1
Matrix Spike Dup - Method EPA 245.1																		
B409454-MSD1	Mercury, Dissolved	96.7	14.8	75	125	20	0.0048	**1409947-03**	0	0.00500		B409454		09/16/14	09/16/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Calibration Blank - Method EPA 300.0																		
4I14003-CCB1	Chloride						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB1	Fluoride						0.0					4I14003		09/12/14	09/12/14			1
4I14003-CCB1	Sulfate						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB2	Chloride						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB2	Fluoride						0.0					4I14003		09/12/14	09/12/14			1
4I14003-CCB2	Sulfate						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB3	Chloride						0.8					4I14003		09/12/14	09/12/14			1
4I14003-CCB3	Fluoride						0.0					4I14003		09/12/14	09/12/14			1
4I14003-CCB3	Sulfate						0.7					4I14003		09/12/14	09/12/14			1
4I14003-CCB4	Chloride						0.3					4I14003		09/12/14	09/12/14			1
4I14003-CCB4	Fluoride						0.0					4I14003		09/12/14	09/12/14			1
4I14003-CCB4	Sulfate						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB5	Chloride						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB5	Fluoride						0.0					4I14003		09/12/14	09/12/14			1
4I14003-CCB5	Sulfate						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB6	Chloride						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB6	Fluoride						0.0					4I14003		09/12/14	09/12/14			1
4I14003-CCB6	Sulfate						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB7	Chloride						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB7	Fluoride						0.0					4I14003		09/12/14	09/12/14			1
4I14003-CCB7	Sulfate						0					4I14003		09/12/14	09/12/14			1
Calibration Check - Method EPA 300.0																		
4I14003-CCV1	Chloride	105		90	110		21			20.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV1	Fluoride	100		90	110		2.0			2.00		4I14003		09/12/14	09/12/14			1
4I14003-CCV1	Sulfate	102		90	110		41			40.0		4I14003		09/12/14	09/12/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I14003-CCV2	Chloride	105		90	110		21			20.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV2	Fluoride	100		90	110		2.0			2.00		4I14003		09/12/14	09/12/14			1
4I14003-CCV2	Sulfate	100		90	110		40			40.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV3	Chloride	105		90	110		21			20.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV3	Fluoride	100		90	110		2.0			2.00		4I14003		09/12/14	09/12/14			1
4I14003-CCV3	Sulfate	100		90	110		40			40.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV4	Chloride	105		90	110		21			20.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV4	Fluoride	100		90	110		2.0			2.00		4I14003		09/12/14	09/12/14			1
4I14003-CCV4	Sulfate	100		90	110		40			40.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV5	Chloride	105		90	110		21			20.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV5	Fluoride	105		90	110		2.1			2.00		4I14003		09/12/14	09/12/14			1
4I14003-CCV5	Sulfate	102		90	110		41			40.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV6	Chloride	105		90	110		21			20.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV6	Fluoride	100		90	110		2.0			2.00		4I14003		09/12/14	09/12/14			1
4I14003-CCV6	Sulfate	100		90	110		40			40.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV7	Chloride	105		90	110		21			20.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV7	Fluoride	100		90	110		2.0			2.00		4I14003		09/12/14	09/12/14			1
4I14003-CCV7	Sulfate	100		90	110		40			40.0		4I14003		09/12/14	09/12/14			1

LCSW - Method EPA 300.0

B409384-BS1	Chloride	102		90	110		51			50.0		B409384		09/12/14	09/12/14	0.07	1	1
B409384-BS1	Fluoride	100		90	110		5.0			5.00		B409384		09/12/14	09/12/14	0.02	0.1	1
B409384-BS1	Sulfate	100		90	110		100			100		B409384		09/12/14	09/12/14	0.2	1	1
B409384-BS2	Chloride	102		90	110		51			50.0		B409384		09/12/14	09/12/14	0.07	1	1
B409384-BS2	Fluoride	102		90	110		5.1			5.00		B409384		09/12/14	09/12/14	0.02	0.1	1
B409384-BS2	Sulfate	101		90	110		101			100		B409384		09/12/14	09/12/14	0.2	1	1

LCSW Dup - Method EPA 300.0

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409384-BSD1	Chloride	102	0.00	90	110	20	51			50.0		B409384		09/12/14	09/12/14	0.07	1	1
B409384-BSD1	Fluoride	100	0.00	90	110	20	5.0			5.00		B409384		09/12/14	09/12/14	0.02	0.1	1
B409384-BSD1	Sulfate	100	0.00	90	110	200	100			100		B409384		09/12/14	09/12/14	0.2	1	1
B409384-BSD2	Chloride	102	0.00	90	110	20	51			50.0		B409384		09/12/14	09/12/14	0.07	1	1
B409384-BSD2	Fluoride	100	1.98	90	110	20	5.0			5.00		B409384		09/12/14	09/12/14	0.02	0.1	1
B409384-BSD2	Sulfate	100	0.995	90	110	200	100			100		B409384		09/12/14	09/12/14	0.2	1	1

Matrix Spike - Method EPA 300.0

B409384-MS1	Chloride	90.0		80	120		40	**1409947-03**	31	10.0		B409384		09/12/14	09/12/14	0.07	1	1
B409384-MS1	Fluoride	90.0		80	120		1.4	**1409947-03**	0.5	1.00		B409384		09/12/14	09/12/14	0.02	0.1	1
B409384-MS1	Sulfate	**-5150**		80	120		0	**1409947-03**	1030	20.0		B409384		09/12/14	09/12/14	0.2	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409384-MS2	Chloride	99.0		80	120		130	**1409947-03**	31	100		B409384		09/12/14	09/12/14	0.7	10	10
B409384-MS2	Fluoride	95.0		80	120		10.0	**1409947-03**	0.5	10.0		B409384		09/12/14	09/12/14	0.2	1.0	10
B409384-MS2	Sulfate	105		80	120		1240	**1409947-03**	1030	200		B409384		09/12/14	09/12/14	2	10	10
B409384-MS3	Chloride	104		80	120		10000	XXXXXXX-XX	7400	2500		B409384		09/12/14	09/12/14	18	250	250
B409384-MS3	Fluoride	96.0		80	120		240	XXXXXXX-XX	0	250		B409384		09/12/14	09/12/14	5.0	25.0	250
B409384-MS3	Sulfate	98.0		80	120		5700	XXXXXXX-XX	800	5000		B409384		09/12/14	09/12/14	50	250	250

Matrix Spike Dup - Method EPA 300.0

B409384-MSD1	Chloride	80.0	2.53	80	120	20	39	**1409947-03**	31	10.0		B409384		09/12/14	09/12/14	0.07	1	1
B409384-MSD1	Fluoride	90.0	0.00	80	120	20	1.4	**1409947-03**	0.5	1.00		B409384		09/12/14	09/12/14	0.02	0.1	1
B409384-MSD1	Sulfate	**-5150**		80	120	20	0	**1409947-03**	1030	20.0		B409384		09/12/14	09/12/14	0.2	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409384-MSD2	Chloride	99.0	0.00	80	120	20	130	**1409947-03**	31	100		B409384		09/12/14	09/12/14	0.7	10	10
B409384-MSD2	Fluoride	95.0	0.00	80	120	20	10.0	**1409947-03**	0.5	10.0		B409384		09/12/14	09/12/14	0.2	1.0	10
B409384-MSD2	Sulfate	110	0.803	80	120	20	1250	**1409947-03**	1030	200		B409384		09/12/14	09/12/14	2	10	10
B409384-MSD3	Chloride	100	1.01	80	120	20	9900	XXXXXXX-XX	7400	2500		B409384		09/12/14	09/12/14	18	250	250
B409384-MSD3	Fluoride	96.0	0.00	80	120	20	240	XXXXXXX-XX	0	250		B409384		09/12/14	09/12/14	5.0	25.0	250

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409384-MSD3	Sulfate	98.0	0.00	80	120	20	5700	XXXXXXX-XX	800	5000		B409384		09/12/14	09/12/14	50	250	250

PBW - Method EPA 300.0

B409384-BLK1	Chloride						0.3					B409384		09/12/14	09/12/14	0.07	1	1
B409384-BLK1	Fluoride						0.0					B409384		09/12/14	09/12/14	0.02	0.1	1
B409384-BLK1	Sulfate						0					B409384		09/12/14	09/12/14	0.2	1	1
B409384-BLK2	Chloride						0					B409384		09/12/14	09/12/14	0.07	1	1
B409384-BLK2	Fluoride						0.0					B409384		09/12/14	09/12/14	0.02	0.1	1
B409384-BLK2	Sulfate						0					B409384		09/12/14	09/12/14	0.2	1	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 353.2																		
B409768-BLK1	Nitrate + Nitrite, Total						0.0					B409768		09/25/14	09/25/14	0.03	0.1	1
Calibration Blank - Method EPA 353.2																		
4I25012-CCB1	Nitrate + Nitrite, Total						0.0					4I25012		09/25/14	09/25/14			1
4I25012-CCB2	Nitrate + Nitrite, Total						0.0					4I25012		09/25/14	09/25/14			1
4I25012-CCB3	Nitrate + Nitrite, Total						0.0					4I25012		09/25/14	09/25/14			1
4I25012-CCB4	Nitrate + Nitrite, Total						0.0					4I25012		09/25/14	09/25/14			1
Calibration Check - Method EPA 353.2																		
4I25012-CCV1	Nitrate + Nitrite, Total	91.0		90	110		0.9			1.00		4I25012		09/25/14	09/25/14			1
4I25012-CCV2	Nitrate + Nitrite, Total	94.0		90	110		0.9			1.00		4I25012		09/25/14	09/25/14			1
4I25012-CCV3	Nitrate + Nitrite, Total	92.0		90	110		0.9			1.00		4I25012		09/25/14	09/25/14			1
4I25012-CCV4	Nitrate + Nitrite, Total	95.0		90	110		1.0			1.00		4I25012		09/25/14	09/25/14			1
Initial Cal Blank - Method EPA 353.2																		
4I25012-ICB1	Nitrate + Nitrite, Total						0.05					4I25012		09/25/14	09/25/14			1
Initial Cal Check - Method EPA 353.2																		
4I25012-ICV1	Nitrate + Nitrite, Total	91.0		90	110		0.9			1.00		4I25012		09/25/14	09/25/14			1
Matrix Spike - Method EPA 353.2																		
B409768-MS1	Nitrate + Nitrite, Total	84.0		80	120		0.9	1409947-03	0.05	1.00		B409768		09/25/14	09/25/14	0.03	0.1	1
B409768-MS2	Nitrate + Nitrite, Total	98.0		80	120		16.1	XXXXXXX-XX	6.3	10.0		B409768		09/25/14	09/25/14	0.3	1.0	10
Matrix Spike Dup - Method EPA 353.2																		
B409768-MSD1	Nitrate + Nitrite, Total	89.0	5.46	80	120	20	0.9	1409947-03	0.05	1.00		B409768		09/25/14	09/25/14	0.03	0.1	1
B409768-MSD2	Nitrate + Nitrite, Total	106	4.85	80	120	20	16.9	XXXXXXX-XX	6.3	10.0		B409768		09/25/14	09/25/14	0.3	1.0	10

Blank - Method EPA 8260B

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409466-BLK1	1,1,1,2-Tetrachloroethane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,1,1-Trichloroethane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,1,2,2-Tetrachloroethane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,1,2-Trichloroethane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,1,2-Trichlorotrifluoroethane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,1-Dichloroethane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,1-Dichloroethene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,1-Dichloropropene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,2,3-Trichlorobenzene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,2,3-Trichloropropane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,2,4-Trichlorobenzene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,2,4-Trimethylbenzene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,2-Dibromo-3-chloropropane						0.00				Yes	B409466		09/15/14	09/15/14	1.0	1.0	1
B409466-BLK1	1,2-Dibromoethane (EDB)						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,2-Dichlorobenzene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,2-Dichloroethane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,2-Dichloroethane-d4	102		70	130		10.2			10.0	Yes	B409466		09/15/14	09/15/14			1
B409466-BLK1	1,2-Dichloropropane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,3,5-Trimethylbenzene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,3-Dichlorobenzene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,3-Dichloropropane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	1,4-Dichlorobenzene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	2,2-Dichloropropane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	2-Chlorotoluene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	2-Nitropropane						0.00				Yes	B409466		09/15/14	09/15/14	10.0	10.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409466-BLK1	4-Bromofluorobenzene	98.8		70	130		9.88			10.0	Yes	B409466		09/15/14	09/15/14			1
B409466-BLK1	4-Chlorotoluene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Acetone						0.00				Yes	B409466		09/15/14	09/15/14	10.0	10.0	1
B409466-BLK1	Acrylonitrile						0.00				Yes	B409466		09/15/14	09/15/14	10.0	10.0	1
B409466-BLK1	Benzene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Bromobenzene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Bromochloromethane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Bromodichloromethane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Bromoform						0.00				Yes	B409466		09/15/14	09/15/14	1.0	1.0	1
B409466-BLK1	Bromomethane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Carbon Disulfide						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Carbon Tetrachloride						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Chlorobenzene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Chloroethane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Chloroform						0.00				Yes	B409466		09/15/14	09/15/14	1.0	1.0	1
B409466-BLK1	Chloromethane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	cis-1,2-Dichloroethene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	cis-1,3-Dichloropropene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Cyclohexanone						0.00				Yes	B409466		09/15/14	09/15/14	20.0	20.0	1
B409466-BLK1	Dibromochloromethane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Dibromomethane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Dichlorodifluoromethane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Ethyl Acetate						0.00				Yes	B409466		09/15/14	09/15/14	10.0	10.0	1
B409466-BLK1	Ethyl Ether						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Ethylbenzene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Hexachlorobutadiene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409466-BLK1	Isobutanol						0.00				Yes	B409466		09/15/14	09/15/14	10.0	10.0	1
B409466-BLK1	Isopropylbenzene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Methyl Ethyl Ketone						0.00				Yes	B409466		09/15/14	09/15/14	10.0	10.0	1
B409466-BLK1	Methyl Isobutyl Ketone						0.00				Yes	B409466		09/15/14	09/15/14	10.0	10.0	1
B409466-BLK1	Methylene Chloride						0.00				Yes	B409466		09/15/14	09/15/14	1.0	1.0	1
B409466-BLK1	Methyl-tert-butyl ether (MTBE)						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Naphthalene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	n-Butyl Alcohol						0.00				Yes	B409466		09/15/14	09/15/14	40.0	40.0	1
B409466-BLK1	n-Butylbenzene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Nitrobenzene						0.00				Yes	B409466		09/15/14	09/15/14	20.0	20.0	1
B409466-BLK1	n-Propyl Benzene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	p-Isopropyltoluene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	sec-Butyl Benzene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Styrene						0.00				Yes	B409466		09/15/14	09/15/14	1.0	1.0	1
B409466-BLK1	tert-Butylbenzene						0.00				Yes	B409466		09/15/14	09/15/14	1.0	1.0	1
B409466-BLK1	Tetrachloroethene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Toluene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Toluene-d8	103		70	130		10.3			10.0	Yes	B409466		09/15/14	09/15/14			1
B409466-BLK1	trans-1,2-Dichloroethene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	trans-1,3-Dichloropropene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Trichloroethene						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Trichlorofluoromethane						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Vinyl Chloride						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BLK1	Xylenes, total						0.00				Yes	B409466		09/15/14	09/15/14	0.3	1.0	1

LCS - Method EPA 8260B

B409466-BS1	1,1-Dichloroethene	98.4		70	130		9.84			10.0	Yes	B409466		09/15/14	09/15/14	0.3	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409466-BS1	1,2-Dichloroethane-d4	97.6		70	130		9.76			10.0	Yes	B409466		09/15/14	09/15/14			1
B409466-BS1	4-Bromofluorobenzene	97.0		70	130		9.70			10.0	Yes	B409466		09/15/14	09/15/14			1
B409466-BS1	Benzene	112		70	130		11.2			10.0	Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BS1	Chlorobenzene	104		70	130		10.4			10.0	Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BS1	Toluene	103		70	130		10.3			10.0	Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
B409466-BS1	Toluene-d8	101		70	130		10.1			10.0	Yes	B409466		09/15/14	09/15/14			1
B409466-BS1	Trichloroethene	109		70	130		10.9			10.0	Yes	B409466		09/15/14	09/15/14	0.3	1.0	1
Matrix Spike - Method EPA 8260B																		
B409466-MS1	1,1-Dichloroethene	87.5		70	130		43.8	XXXXXXX-XX	0	50.0	Yes	B409466		09/15/14	09/15/14	1.5	5.0	1
B409466-MS1	1,2-Dichloroethane-d4	98.7		70	130		49.4	XXXXXXX-XX		50.0	Yes	B409466		09/15/14	09/15/14			1
B409466-MS1	4-Bromofluorobenzene	96.7		70	130		48.4	XXXXXXX-XX		50.0	Yes	B409466		09/15/14	09/15/14			1
B409466-MS1	Benzene	104		70	130		52.2	XXXXXXX-XX	0	50.0	Yes	B409466		09/15/14	09/15/14	1.5	5.0	1
B409466-MS1	Chlorobenzene	97.1		70	130		48.6	XXXXXXX-XX	0	50.0	Yes	B409466		09/15/14	09/15/14	1.5	5.0	1
B409466-MS1	Toluene	93.9		70	130		47.0	XXXXXXX-XX	0	50.0	Yes	B409466		09/15/14	09/15/14	1.5	5.0	1
B409466-MS1	Toluene-d8	102		70	130		51.0	XXXXXXX-XX		50.0	Yes	B409466		09/15/14	09/15/14			1
B409466-MS1	Trichloroethene	103		70	130		51.4	XXXXXXX-XX	0	50.0	Yes	B409466		09/15/14	09/15/14	1.5	5.0	1
B409466-MS2	1,1-Dichloroethene	102		70	130		50.9	XXXXXXX-XX	0	50.0	Yes	B409466		09/15/14	09/15/14	1.5	5.0	1
B409466-MS2	1,2-Dichloroethane-d4	104		70	130		51.9	XXXXXXX-XX		50.0	Yes	B409466		09/15/14	09/15/14			1
B409466-MS2	4-Bromofluorobenzene	102		70	130		50.8	XXXXXXX-XX		50.0	Yes	B409466		09/15/14	09/15/14			1
B409466-MS2	Benzene	119		70	130		59.4	XXXXXXX-XX	0.58	50.0	Yes	B409466		09/15/14	09/15/14	1.5	5.0	1
B409466-MS2	Chlorobenzene	111		70	130		55.4	XXXXXXX-XX	0	50.0	Yes	B409466		09/15/14	09/15/14	1.5	5.0	1
B409466-MS2	Toluene	121		70	130		160	XXXXXXX-XX	99.6	50.0	Yes	B409466		09/15/14	09/15/14	1.5	5.0	1
B409466-MS2	Toluene-d8	104		70	130		52.0	XXXXXXX-XX		50.0	Yes	B409466		09/15/14	09/15/14			1
B409466-MS2	Trichloroethene	114		70	130		57.1	XXXXXXX-XX	0.42	50.0	Yes	B409466		09/15/14	09/15/14	1.5	5.0	1
Matrix Spike Dup - Method EPA 8260B																		
B409466-MSD1	1,1-Dichloroethene	94.0	7.16	70	130	20	47.0	XXXXXXX-XX	0	50.0	Yes	B409466		09/15/14	09/15/14	1.5	5.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409466-MSD1	1,2-Dichloroethane-d4	104		70	130		52.0	XXXXXXX-XX		50.0	Yes	B409466		09/15/14	09/15/14			1
B409466-MSD1	4-Bromofluorobenzene	95.4		70	130		47.7	XXXXXXX-XX		50.0	Yes	B409466		09/15/14	09/15/14			1
B409466-MSD1	Benzene	113	7.74	70	130	20	56.4	XXXXXXX-XX	0	50.0	Yes	B409466		09/15/14	09/15/14	1.5	5.0	1
B409466-MSD1	Chlorobenzene	105	7.82	70	130	20	52.5	XXXXXXX-XX	0	50.0	Yes	B409466		09/15/14	09/15/14	1.5	5.0	1
B409466-MSD1	Toluene	104	10.2	70	130	20	52.0	XXXXXXX-XX	0	50.0	Yes	B409466		09/15/14	09/15/14	1.5	5.0	1
B409466-MSD1	Toluene-d8	103		70	130		51.6	XXXXXXX-XX		50.0	Yes	B409466		09/15/14	09/15/14			1
B409466-MSD1	Trichloroethene	109	5.76	70	130	20	54.5	XXXXXXX-XX	0	50.0	Yes	B409466		09/15/14	09/15/14	1.5	5.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method SM 2320 B																		
B409432-BLK1	Alkalinity - Bicarbonate (HCO3)						0.0					B409432		09/19/14	09/19/14	0.2	1.0	1
B409432-BLK1	Alkalinity - Carbonate (CO3)						0.0					B409432		09/19/14	09/19/14	0.2	1.0	1
B409432-BLK1	Alkalinity - CO2						0.0					B409432		09/19/14	09/19/14	0.2	1.0	1
B409432-BLK1	Alkalinity - Hydroxide (OH)						0.0					B409432		09/19/14	09/19/14	0.2	1.0	1
B409432-BLK1	Alkalinity - Total (as CaCO3)						0.0					B409432		09/19/14	09/19/14	0.2	1.0	1
B409432-BLK2	Alkalinity - Bicarbonate (HCO3)						0.0					B409432		09/19/14	09/19/14	0.2	1.0	1
B409432-BLK2	Alkalinity - Carbonate (CO3)						0.0					B409432		09/19/14	09/19/14	0.2	1.0	1
B409432-BLK2	Alkalinity - CO2						0.0					B409432		09/19/14	09/19/14	0.2	1.0	1
B409432-BLK2	Alkalinity - Hydroxide (OH)						0.0					B409432		09/19/14	09/19/14	0.2	1.0	1
B409432-BLK2	Alkalinity - Total (as CaCO3)						0.0					B409432		09/19/14	09/19/14	0.2	1.0	1
Calibration Blank - Method SM 2320 B																		
4I19011-CCB1	Alkalinity - Total (as CaCO3)						0.0					4I19011		09/19/14	09/19/14			1
4I19011-CCB2	Alkalinity - Total (as CaCO3)						0.0					4I19011		09/19/14	09/19/14			1
Calibration Check - Method SM 2320 B																		
4I19011-CCV1	Alkalinity - Total (as CaCO3)	101		90	110		2370			2360		4I19011		09/19/14	09/19/14			1
4I19011-CCV2	Alkalinity - Total (as CaCO3)	99.8		90	110		2360			2360		4I19011		09/19/14	09/19/14			1
Initial Cal Blank - Method SM 2320 B																		
4I19011-ICB1	Alkalinity - Total (as CaCO3)						0.0					4I19011		09/19/14	09/19/14			1
Initial Cal Check - Method SM 2320 B																		
4I19011-ICV1	Alkalinity - Total (as CaCO3)	100		90	110		2360			2360		4I19011		09/19/14	09/19/14			1
LCS - Method SM 2320 B																		
B409432-BS1	Alkalinity - Total (as CaCO3)	100		90	110		2360			2360		B409432		09/19/14	09/19/14	0.2	1.0	1
B409432-BS2	Alkalinity - Total (as CaCO3)	100		90	110		2360			2360		B409432		09/19/14	09/19/14	0.2	1.0	1
Matrix Spike - Method SM 2320 B																		
B409432-MS1	Alkalinity - Total (as CaCO3)	106		80	120		370	**1409947-03**	320	47.2		B409432		09/19/14	09/19/14	0.2	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409432-MS2	Alkalinity - Total (as CaCO3)	104		80	120		836	XXXXXXX-XX	787	47.2		B409432		09/19/14	09/19/14	0.2	1.0	1

Matrix Spike Dup - Method SM 2320 B

B409432-MSD1	Alkalinity - Total (as CaCO3)	102	0.542	80	120	20	368	**1409947-03**	320	47.2		B409432		09/19/14	09/19/14	0.2	1.0	1
B409432-MSD2	Alkalinity - Total (as CaCO3)	106	0.120	80	120	20	837	XXXXXXX-XX	787	47.2		B409432		09/19/14	09/19/14	0.2	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method SM 2540 C																		
B409404-BLK1	Total Dissolved Solids (TDS)						6					B409404		09/15/14	09/15/14	10	10	2
Duplicate - Method SM 2540 C																		
B409404-DUP1	Total Dissolved Solids (TDS)		4.44			20	1850	XXXXXXX-XX	1940			B409404		09/15/14	09/15/14	20	20	4
B409404-DUP2	Total Dissolved Solids (TDS)		0.729			20	1910	**1409947-03**	1930			B409404		09/15/14	09/15/14	10	10	2
Reference - Method SM 2540 C																		
B409404-SRM1	Total Dissolved Solids (TDS)	109		90	110		218			200		B409404		09/15/14	09/15/14	10	10	2

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Calibration Blank - Method SM 4500 NH3-D																		
4I14004-CCB1	Ammonia as N						0.04					4I14004		09/14/14	09/14/14			1
4I14004-CCB2	Ammonia as N						0.09					4I14004		09/14/14	09/14/14			1
4I14004-CCB3	Ammonia as N						0.1					4I14004		09/14/14	09/14/14			1
4I14004-CCB4	Ammonia as N						0.1					4I14004		09/14/14	09/14/14			1
Calibration Check - Method SM 4500 NH3-D																		
4I14004-CCV1	Ammonia as N	100		90	110		10.0			10.0		4I14004		09/14/14	09/14/14			1
4I14004-CCV2	Ammonia as N	99.0		90	110		9.9			10.0		4I14004		09/14/14	09/14/14			1
4I14004-CCV3	Ammonia as N	96.0		90	110		9.6			10.0		4I14004		09/14/14	09/14/14			1
4I14004-CCV4	Ammonia as N	98.0		90	110		9.8			10.0		4I14004		09/14/14	09/14/14			1
Initial Cal Blank - Method SM 4500 NH3-D																		
4I14004-ICB1	Ammonia as N						0.04					4I14004		09/14/14	09/14/14			1
Initial Cal Check - Method SM 4500 NH3-D																		
4I14004-ICV1	Ammonia as N	97.0		90	110		9.7			10.0		4I14004		09/14/14	09/14/14			1
LCSW - Method SM 4500 NH3-D																		
B409388-BS1	Ammonia as N	96.0		90	110		9.6			10.0		B409388		09/14/14	09/14/14	0.03	0.2	1
B409388-BS2	Ammonia as N	100		90	110		10.0			10.0		B409388		09/14/14	09/14/14	0.03	0.2	1
Matrix Spike - Method SM 4500 NH3-D																		
B409388-MS1	Ammonia as N	100		80	120		5.6	**1409947-03**	0.6	5.00		B409388		09/14/14	09/14/14	0.03	0.2	1
B409388-MS2	Ammonia as N	101		80	120		5.2	XXXXXXX-XX	0.1	5.00		B409388		09/14/14	09/14/14	0.03	0.2	1
B409388-MS3	Ammonia as N	99.1		80	120		5.1	XXXXXXX-XX	0.1	5.00		B409388		09/14/14	09/14/14	0.03	0.2	1
Matrix Spike Dup - Method SM 4500 NH3-D																		
B409388-MSD1	Ammonia as N	106	5.22	80	120	20	5.9	**1409947-03**	0.6	5.00		B409388		09/14/14	09/14/14	0.03	0.2	1
B409388-MSD2	Ammonia as N	99.3	1.94	80	120	20	5.1	XXXXXXX-XX	0.1	5.00		B409388		09/14/14	09/14/14	0.03	0.2	1
B409388-MSD3	Ammonia as N	103	3.85	80	120	20	5.3	XXXXXXX-XX	0.1	5.00		B409388		09/14/14	09/14/14	0.03	0.2	1
PBW - Method SM 4500 NH3-D																		

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409388-BLK1	Ammonia as N						0.04					B409388		09/14/14	09/14/14	0.03	0.2	1
B409388-BLK2	Ammonia as N						0.05					B409388		09/14/14	09/14/14	0.03	0.2	1

Surrogate Summary for Sample Delivery Group - 1409947

QC ID	Surrogate	% Rec	LCL	UCL	Result	Spk Value	Batch	DF
Method EPA 8260B								
1409947-01	1,2-Dichloroethane-d4	102	70	130	10.2	10.0	B409466	1
1409947-01	4-Bromofluorobenzene	98.2	70	130	9.82	10.0	B409466	1
1409947-01	Toluene-d8	105	70	130	10.5	10.0	B409466	1
1409947-02	1,2-Dichloroethane-d4	101	70	130	10.1	10.0	B409466	1
1409947-02	4-Bromofluorobenzene	99.8	70	130	9.98	10.0	B409466	1
1409947-02	Toluene-d8	103	70	130	10.3	10.0	B409466	1
1409947-03	1,2-Dichloroethane-d4	101	70	130	10.1	10.0	B409466	1
1409947-03	4-Bromofluorobenzene	100	70	130	10.0	10.0	B409466	1
1409947-03	Toluene-d8	103	70	130	10.3	10.0	B409466	1
1409947-04	1,2-Dichloroethane-d4	100	70	130	10.0	10.0	B409466	1
1409947-04	4-Bromofluorobenzene	101	70	130	10.1	10.0	B409466	1
1409947-04	Toluene-d8	104	70	130	10.4	10.0	B409466	1
B409466-BLK1	1,2-Dichloroethane-d4	102	70	130	10.2	10.0	B409466	1
B409466-BLK1	4-Bromofluorobenzene	98.8	70	130	9.88	10.0	B409466	1
B409466-BLK1	Toluene-d8	103	70	130	10.3	10.0	B409466	1
B409466-BS1	1,2-Dichloroethane-d4	97.6	70	130	9.76	10.0	B409466	1
B409466-BS1	4-Bromofluorobenzene	97.0	70	130	9.70	10.0	B409466	1
B409466-BS1	Toluene-d8	101	70	130	10.1	10.0	B409466	1
B409466-MS1	1,2-Dichloroethane-d4	98.7	70	130	49.4	50.0	B409466	1
B409466-MS1	4-Bromofluorobenzene	96.7	70	130	48.4	50.0	B409466	1
B409466-MS1	Toluene-d8	102	70	130	51.0	50.0	B409466	1
B409466-MS2	1,2-Dichloroethane-d4	104	70	130	51.9	50.0	B409466	1
B409466-MS2	4-Bromofluorobenzene	102	70	130	50.8	50.0	B409466	1
B409466-MS2	Toluene-d8	104	70	130	52.0	50.0	B409466	1
B409466-MSD1	1,2-Dichloroethane-d4	104	70	130	52.0	50.0	B409466	1
B409466-MSD1	4-Bromofluorobenzene	95.4	70	130	47.7	50.0	B409466	1
B409466-MSD1	Toluene-d8	103	70	130	51.6	50.0	B409466	1

CHEMTECH - FORD ANALYTICAL LABORATORY

CHAIN OF CUSTODY

COMPANY: Energy Fuels Resources (USA) Inc.
ADDRESS: 6425 South Highway 191
CITY/STATE/ZIP: Blanding Utah 84511
PHONE #: 435-678-4115 **FAX:**
CONTACT: Garrin Palmer **PROJECT:** White Mesa Mill
EMAIL: gpalmer@energyfuels.com, kweinel@energyfuels.com

BILLING ADDRESS: Jan Dalla, 225 Union Boulevard, Suite 600
BILLING CITY/STATE/ZIP: Lakewood, Colorado 80228
PURCHASE ORDER #:

CHEMTECH-FORD LABORATORIES

TURNAROUND REQUIRED:* Standard
** Expedited turnaround subject to additional charge*

Groundwater
Per Garrin

09947

Lab Use Only	CLIENT SAMPLE INFORMATION					TESTS REQUESTED																	Bacteria			
	LOCATION / IDENTIFICATION	DATE	TIME	MATRIX	Field: Residual Chlorine	Dissolved Metals (200.7/200.8)*	VOCs (8260B/8260C)*	Fluoride (SM4500-F C/300.0)	Ammonia (as N) (SM4500-NH3 G or 350	Nitrate/Nitrite asn N (353.2)	Carbonate as CACO3 (SM2320 B)	Bicarbonate as CaCO3 (SM2320 B)	Chloride (SM4500-Cl B or SM4500-Cl E or E300.0)	TDS (SM 2540 C)	Sulfate (SM4500-SO4 E or E300.0	Total Anions	Total Cations	C/A Balance	TDS Ratio	TDS Calculated				Total Coliform + E. coli (Present/Absent)	Total Coliform + E. coli (Enumerated)	HPC (Plate Count)	E. Coli Only
	1. MW-30_09092014	9/9/2014	1220	6 Water		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
	2. MW-65_09092014	9/9/2014	1220	6 Water		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
	3. MW-11_09082014	9/8/2014	1340	6 Water		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
	4. Trip Blank			3 Water			X																				
	5. Temp Blank			1 Water																							
	6.																										
	7.																										
	8.																										
	9.																										
	10.																										
	11.																										

Sampled by: (print) Garrin Palmer
Sampled by: (signature) [signature]

ON ICE NOT ON ICE Temp (C°):
Samples received outside the EPA recommended temperature range of 0-6 C° may be rejected.

*Special Instructions: All metals samples are field filtered unless otherwise noted. PDF Data packages are to be sent to Garrin Palmer and Kathy Weinel. * = See attached analyte list.*

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	9/11/14 1200	[signature]	9/12/14 0958

CHEMTECH-FORD
9632 South 500 West
Sandy, UT 84070

801.262.7299 PHONE
866.792.0093 FAX
www.chemtechford.com

Payment Terms are net 30 days OAC. 1.5% interest charge per month (18% per annum). Client agress to pay collection costs and attorney's fees.

Work Order # 1409947

CHEMTECH FORD LABORATORIES

Sample Receipt

CHEMTECH-FORD LABORATORIES

Delivery Method:

- ☐ UPS
- ☐ USPS
- ☑ FedEx
- ☐ Chemtech Courier
- ☐ Walk-in
- ☐ Courier

Receiving Temperature 2.8 °C

Sample #	Container	Chemtech Lot # or Preservative	Number of Subsamples	Preserved by Client/Third Party	Preserved in Receiving/Laboratory	Filtered in Field by Client	Misc Volume (oz/mL)	Comments
-01	AQ	—						
	M	317						
	N	292						
	WI-3	298						
-02	AQ	—						
	M	317						
	N	292						-04 is trip blank
	WI-3	298						
-03	AQ	—						
	M	317						
	N	318						
	WI-3	298						
-04	WI-3	HCl		✓				

Sample Condition (check if yes)

- ☐ Custody Seals
- ☑ Containers Intact
- ☑ COC/Labels Agree
- ☑ Preservation Confirmed
- ☑ Received on Ice
- ☑ Correct Containers(s)
- ☑ Sufficient Sample Volume
- ☐ Headspace Present (VOC)
- ☑ Temperature Blank
- ☑ Received within Holding Time

Plastic Containers

A- Plastic Unpreserved
B- Miscellaneous Plastic
C- Cyanide Qt (NaOH)
F- Sulfide Qt (Zn Acetate)
L- Mercury 1631
M- Metals Pint (HNO3)
N- Nutrient Pint (H2SO4)
R- Radiological (HNO3)
S- Sludge Cups/Tubs
Q- Plastic Bag
E- Coliform/Ecoli

Glass Containers

D- 625 (Na2S2O3)
G- Glass Unpreserved
H- HAAs (NH4Cl)
J- 508/515/525 (Na2SO3)
K- 515.3 Herbicides
O- Oil & Grease (HCl)
P- Phenols (H2SO4)
T- TOC/TOX (H3PO4)
U- 531 (MCAA, Na2S2O3)
V- 524/THMs (Ascorbic Acid)
W- 8260 VOC (1:1 HCl)
X- Vial Unpreserved
Y- 624/504 (Na2S2O3)
Z- Miscellaneous Glass

Report Footnotes

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.
1 mg/L = one milligram per liter or 1 mg/Kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.

Flag Descriptions

9632 South 500 West
Sandy, UT 84070
801-262-7299 Office

CHEMTECH-FORD
LABORATORIES

10/3/2014

Work Order: 1409961

Energy Fuels

Attn: Garrin Palmer

6425 South Highway 191

Blanding, UT 84511

Client Service Contact: 801.262.7299

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.

Approved By: Dave Gayer, Laboratory Director

CHEMTECH-FORD
LABORATORIES

Case Narrative for Sample Delivery Group - 1409961

Energy Fuels

SampleID	SampleName	Matrix	Sampled	Received
1409961-01	MW-01_091021014	Water	09/10/2014	09/12/2014
1409961-02	MW-18_09092014	Water	09/09/2014	09/12/2014
1409961-03	MW-27_09082014	Water	09/08/2014	09/12/2014
1409961-04	MW-29_9/10/2014	Water	09/10/2014	09/12/2014

Method Blanks

All method blanks were below the Minimum Reporting Limit (MRL).

Laboratory Control Samples

All Laboratory Control Sample (LCS) recoveries were within laboratory control limits.

Holding Times

All preparations and analyses were performed within holding times

Matrix Spike/Matrix Spike Duplicate

All Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries were within control except for those noted on the QC report.

Surrogates

All surrogates were within laboratory control limits.

Analytical Summary - 1409961

Lab ID: 1409961-01
Client ID: MW-01_091021014
Matrix: Water

Analyses
EPA 200.7
EPA 300.0
EPA 8260B

Lab ID: 1409961-02
Client ID: MW-18_09092014
Matrix: Water

Analyses
EPA 200.8
EPA 300.0
SM 2540 C

Lab ID: 1409961-03
Client ID: MW-27_09082014
Matrix: Water

Analyses
EPA 300.0
EPA 353.2
SM 2540 C

Lab ID: 1409961-04
Client ID: MW-29_9/10/2014
Matrix: Water

Analyses
EPA 200.7
SM 2540 C

QC Summary for Sample Delivery Group - 1409961

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 200.7																		
B409784-BLK1	Manganese, Dissolved						-0.000					B409784		09/26/14	09/26/14	0.00	0.00	1
Calibration Blank - Method EPA 200.7																		
4I26009-CCB1	Manganese, Dissolved						0.0002					4I26009		09/26/14	09/26/14			1
4I26009-CCB2	Manganese, Dissolved						0.0002					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Manganese, Dissolved						0.0002					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Manganese, Dissolved						0.0000					4I26009		09/26/14	09/26/14			1
Calibration Check - Method EPA 200.7																		
4I26009-CCV1	Manganese, Dissolved	98.4		90	110		1.97			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Manganese, Dissolved	98.2		90	110		1.96			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Manganese, Dissolved	98.1		90	110		1.96			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Manganese, Dissolved	97.8		90	110		1.96			2.00		4I26009		09/26/14	09/26/14			1
Initial Cal Blank - Method EPA 200.7																		
4I26009-ICB1	Manganese, Dissolved						0.0001					4I26009		09/26/14	09/26/14			1
Initial Cal Check - Method EPA 200.7																		
4I26009-ICV1	Manganese, Dissolved	98.4		95	105		1.97			2.00		4I26009		09/26/14	09/26/14			1
LCS - Method EPA 200.7																		
B409784-BS1	Manganese, Dissolved	88.9		85	115		0.178			0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
Matrix Spike - Method EPA 200.7																		
B409784-MS1	Manganese, Dissolved	103		70	130		0.207	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MS2	Manganese, Dissolved	92.6		70	130		0.190	XXXXXXX-XX	0.005	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MS3	Manganese, Dissolved	96.8		70	130		0.268	XXXXXXX-XX	0.074	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MS4	Manganese, Dissolved	91.0		70	130		0.262	1409961-01	0.080	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
Matrix Spike Dup - Method EPA 200.7																		

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409784-MSD1	Manganese, Dissolved	102	1.33	70	130	20	0.204	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MSD2	Manganese, Dissolved	99.3	6.86	70	130	20	0.203	XXXXXXX-XX	0.005	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MSD3	Manganese, Dissolved	94.4	1.74	70	130	20	0.263	XXXXXXX-XX	0.074	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MSD4	Manganese, Dissolved	94.8	2.89	70	130	20	0.270	1409961-01	0.080	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 200.8																		
B409453-BLK1	Thallium, Dissolved						-0.000					B409453		09/16/14	09/16/14	0.00	0.00	1
Calibration Blank - Method EPA 200.8																		
4I16017-CCB1	Thallium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
4I16017-CCB2	Thallium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
Calibration Check - Method EPA 200.8																		
4I16017-CCV1	Thallium, Dissolved	103		90	110		0.041			0.0400		4I16017		09/16/14	09/16/14			1
4I16017-CCV2	Thallium, Dissolved	104		90	110		0.042			0.0400		4I16017		09/16/14	09/16/14			1
Initial Cal Blank - Method EPA 200.8																		
4I16017-ICB1	Thallium, Dissolved						0.0000					4I16017		09/16/14	09/16/14			1
Initial Cal Check - Method EPA 200.8																		
4I16017-ICV1	Thallium, Dissolved	101		90	110		0.040			0.0400		4I16017		09/16/14	09/16/14			1
LCS - Method EPA 200.8																		
B409453-BS1	Thallium, Dissolved	98.7		85	115		0.039			0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
Matrix Spike - Method EPA 200.8																		
B409453-MS1	Thallium, Dissolved	94.5		70	130		0.038	XXXXXXX-XX	0	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1
B409453-MS2	Thallium, Dissolved	97.0		70	130		0.039	XXXXXXX-XX	0	0.0400		B409453		09/16/14	09/16/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Calibration Blank - Method EPA 300.0																		
4I14003-CCB1	Chloride						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB1	Sulfate						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB2	Chloride						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB2	Sulfate						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB3	Chloride						0.8					4I14003		09/12/14	09/12/14			1
4I14003-CCB3	Sulfate						0.7					4I14003		09/12/14	09/12/14			1
4I14003-CCB4	Chloride						0.3					4I14003		09/12/14	09/12/14			1
4I14003-CCB4	Sulfate						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB5	Chloride						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB5	Sulfate						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB6	Chloride						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB6	Sulfate						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB7	Chloride						0					4I14003		09/12/14	09/12/14			1
4I14003-CCB7	Sulfate						0					4I14003		09/12/14	09/12/14			1
Calibration Check - Method EPA 300.0																		
4I14003-CCV1	Chloride	105		90	110		21			20.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV1	Sulfate	102		90	110		41			40.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV2	Chloride	105		90	110		21			20.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV2	Sulfate	100		90	110		40			40.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV3	Chloride	105		90	110		21			20.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV3	Sulfate	100		90	110		40			40.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV4	Chloride	105		90	110		21			20.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV4	Sulfate	100		90	110		40			40.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV5	Chloride	105		90	110		21			20.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV5	Sulfate	102		90	110		41			40.0		4I14003		09/12/14	09/12/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I14003-CCV6	Chloride	105		90	110		21			20.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV6	Sulfate	100		90	110		40			40.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV7	Chloride	105		90	110		21			20.0		4I14003		09/12/14	09/12/14			1
4I14003-CCV7	Sulfate	100		90	110		40			40.0		4I14003		09/12/14	09/12/14			1
LCSW - Method EPA 300.0																		
B409385-BS1	Chloride	102		90	110		51			50.0		B409385		09/12/14	09/12/14	0.07	1	1
B409385-BS1	Sulfate	100		90	110		100			100		B409385		09/12/14	09/12/14	0.2	1	1
B409385-BS2	Chloride	102		90	110		51			50.0		B409385		09/12/14	09/12/14	0.07	1	1
B409385-BS2	Sulfate	99.0		90	110		99			100		B409385		09/12/14	09/12/14	0.2	1	1
LCSW Dup - Method EPA 300.0																		
B409385-BSD1	Chloride	102	0.00	90	110	20	51			50.0		B409385		09/12/14	09/12/14	0.07	1	1
B409385-BSD1	Sulfate	99.0	1.01	90	110	200	99			100		B409385		09/12/14	09/12/14	0.2	1	1
B409385-BSD2	Chloride	106	3.85	90	110	20	53			50.0		B409385		09/12/14	09/12/14	0.07	1	1
B409385-BSD2	Sulfate	104	4.93	90	110	200	104			100		B409385		09/12/14	09/12/14	0.2	1	1
Matrix Spike - Method EPA 300.0																		
B409385-MS1	Chloride	110		80	120		300	XXXXXXX-XX	190	100		B409385		09/12/14	09/12/14	0.7	10	10
B409385-MS1	Sulfate	105		80	120		470	XXXXXXX-XX	260	200		B409385		09/12/14	09/12/14	2	10	10
B409385-MS2	Chloride	90.0		80	120		30	**1409961-01**	21	10.0		B409385		09/12/14	09/12/14	0.07	1	1
B409385-MS2	Sulfate	**-285**		80	120		753	**1409961-01**	810	20.0		B409385		09/12/14	09/12/14	0.2	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409385-MS3	Chloride	99.0		80	120		120	**1409961-01**	21	100		B409385		09/12/14	09/12/14	0.7	10	10
B409385-MS3	Sulfate	100		80	120		1010	**1409961-01**	810	200		B409385		09/12/14	09/12/14	2	10	10
B409385-MS4	Chloride	80.0		80	120		54	**1409961-03**	46	10.0		B409385		09/12/14	09/12/14	0.07	1	1
B409385-MS4	Sulfate	**-25.0**		80	120		409	**1409961-03**	414	20.0		B409385		09/12/14	09/12/14	0.2	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409385-MS5	Chloride	104		80	120		150	**1409961-03**	46	100		B409385		09/12/14	09/12/14	0.7	10	10
B409385-MS5	Sulfate	108		80	120		630	**1409961-03**	414	200		B409385		09/12/14	09/12/14	2	10	10

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Matrix Spike Dup - Method EPA 300.0																		
B409385-MSD1	Chloride	110	0.00	80	120	20	300	XXXXXXX-XX	190	100		B409385		09/12/14	09/12/14	0.7	10	10
B409385-MSD1	Sulfate	105	0.00	80	120	20	470	XXXXXXX-XX	260	200		B409385		09/12/14	09/12/14	2	10	10
B409385-MSD2	Chloride	90.0	0.00	80	120	20	30	**1409961-01**	21	10.0		B409385		09/12/14	09/12/14	0.07	1	1
B409385-MSD2	Sulfate	**-270**	0.398	80	120	20	756	**1409961-01**	810	20.0		B409385		09/12/14	09/12/14	0.2	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409385-MSD3	Chloride	99.0	0.00	80	120	20	120	**1409961-01**	21	100		B409385		09/12/14	09/12/14	0.7	10	10
B409385-MSD3	Sulfate	100	0.00	80	120	20	1010	**1409961-01**	810	200		B409385		09/12/14	09/12/14	2	10	10
B409385-MSD4	Chloride	80.0	0.00	80	120	20	54	**1409961-03**	46	10.0		B409385		09/12/14	09/12/14	0.07	1	1
B409385-MSD4	Sulfate	**0.00**	1.22	80	120	20	414	**1409961-03**	414	20.0		B409385		09/12/14	09/12/14	0.2	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409385-MSD5	Chloride	104	0.00	80	120	20	150	**1409961-03**	46	100		B409385		09/12/14	09/12/14	0.7	10	10
B409385-MSD5	Sulfate	108	0.00	80	120	20	630	**1409961-03**	414	200		B409385		09/12/14	09/12/14	2	10	10
PBW - Method EPA 300.0																		
B409385-BLK1	Chloride						0					B409385		09/12/14	09/12/14	0.07	1	1
B409385-BLK1	Sulfate						0					B409385		09/12/14	09/12/14	0.2	1	1
B409385-BLK2	Chloride						0					B409385		09/12/14	09/12/14	0.07	1	1
B409385-BLK2	Sulfate						0					B409385		09/12/14	09/12/14	0.2	1	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 353.2																		
B409768-BLK1	Nitrate + Nitrite, Total						0.0					B409768		09/25/14	09/25/14	0.03	0.1	1
Calibration Blank - Method EPA 353.2																		
4I25012-CCB1	Nitrate + Nitrite, Total						0.0					4I25012		09/25/14	09/25/14			1
4I25012-CCB2	Nitrate + Nitrite, Total						0.0					4I25012		09/25/14	09/25/14			1
4I25012-CCB3	Nitrate + Nitrite, Total						0.0					4I25012		09/25/14	09/25/14			1
4I25012-CCB4	Nitrate + Nitrite, Total						0.0					4I25012		09/25/14	09/25/14			1
Calibration Check - Method EPA 353.2																		
4I25012-CCV1	Nitrate + Nitrite, Total	91.0		90	110		0.9			1.00		4I25012		09/25/14	09/25/14			1
4I25012-CCV2	Nitrate + Nitrite, Total	94.0		90	110		0.9			1.00		4I25012		09/25/14	09/25/14			1
4I25012-CCV3	Nitrate + Nitrite, Total	92.0		90	110		0.9			1.00		4I25012		09/25/14	09/25/14			1
4I25012-CCV4	Nitrate + Nitrite, Total	95.0		90	110		1.0			1.00		4I25012		09/25/14	09/25/14			1
Initial Cal Blank - Method EPA 353.2																		
4I25012-ICB1	Nitrate + Nitrite, Total						0.05					4I25012		09/25/14	09/25/14			1
Initial Cal Check - Method EPA 353.2																		
4I25012-ICV1	Nitrate + Nitrite, Total	91.0		90	110		0.9			1.00		4I25012		09/25/14	09/25/14			1
Matrix Spike - Method EPA 353.2																		
B409768-MS1	Nitrate + Nitrite, Total	84.0		80	120		0.9	XXXXXXX-XX	0.05	1.00		B409768		09/25/14	09/25/14	0.03	0.1	1
B409768-MS2	Nitrate + Nitrite, Total	98.0		80	120		16.1	**1409961-03**	6.3	10.0		B409768		09/25/14	09/25/14	0.3	1.0	10
Matrix Spike Dup - Method EPA 353.2																		
B409768-MSD1	Nitrate + Nitrite, Total	89.0	5.46	80	120	20	0.9	XXXXXXX-XX	0.05	1.00		B409768		09/25/14	09/25/14	0.03	0.1	1
B409768-MSD2	Nitrate + Nitrite, Total	106	4.85	80	120	20	16.9	**1409961-03**	6.3	10.0		B409768		09/25/14	09/25/14	0.3	1.0	10

Blank - Method EPA 8260B

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409512-BLK1	1,1,1,2-Tetrachloroethane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,1,1-Trichloroethane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,1,2,2-Tetrachloroethane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,1,2-Trichloroethane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,1,2-Trichlorotrifluoroethane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,1-Dichloroethane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,1-Dichloroethene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,1-Dichloropropene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,2,3-Trichlorobenzene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,2,3-Trichloropropane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,2,4-Trichlorobenzene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,2,4-Trimethylbenzene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,2-Dibromo-3-chloropropane						0.00				Yes	B409512		09/17/14	09/17/14	1.0	1.0	1
B409512-BLK1	1,2-Dibromoethane (EDB)						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,2-Dichlorobenzene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,2-Dichloroethane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,2-Dichloroethane-d4	105		70	130		10.5			10.0	Yes	B409512		09/17/14	09/17/14			1
B409512-BLK1	1,2-Dichloropropane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,3,5-Trimethylbenzene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,3-Dichlorobenzene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,3-Dichloropropane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	1,4-Dichlorobenzene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	2,2-Dichloropropane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	2-Chlorotoluene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	2-Nitropropane						0.00				Yes	B409512		09/17/14	09/17/14	10.0	10.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409512-BLK1	4-Bromofluorobenzene	99.9		70	130		9.99			10.0	Yes	B409512		09/17/14	09/17/14			1
B409512-BLK1	4-Chlorotoluene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Acetone						0.00				Yes	B409512		09/17/14	09/17/14	10.0	10.0	1
B409512-BLK1	Acrylonitrile						0.00				Yes	B409512		09/17/14	09/17/14	10.0	10.0	1
B409512-BLK1	Benzene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Bromobenzene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Bromochloromethane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Bromodichloromethane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Bromoform						0.00				Yes	B409512		09/17/14	09/17/14	1.0	1.0	1
B409512-BLK1	Bromomethane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Carbon Disulfide						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Carbon Tetrachloride						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Chlorobenzene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Chloroethane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Chloroform						0.00				Yes	B409512		09/17/14	09/17/14	1.0	1.0	1
B409512-BLK1	Chloromethane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	cis-1,2-Dichloroethene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	cis-1,3-Dichloropropene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Cyclohexanone						0.00				Yes	B409512		09/17/14	09/17/14	20.0	20.0	1
B409512-BLK1	Dibromochloromethane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Dibromomethane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Dichlorodifluoromethane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Ethyl Acetate						0.00				Yes	B409512		09/17/14	09/17/14	10.0	10.0	1
B409512-BLK1	Ethyl Ether						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Ethylbenzene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Hexachlorobutadiene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409512-BLK1	Isobutanol						0.00				Yes	B409512		09/17/14	09/17/14	10.0	10.0	1
B409512-BLK1	Isopropylbenzene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Methyl Ethyl Ketone						0.00				Yes	B409512		09/17/14	09/17/14	10.0	10.0	1
B409512-BLK1	Methyl Isobutyl Ketone						0.00				Yes	B409512		09/17/14	09/17/14	10.0	10.0	1
B409512-BLK1	Methylene Chloride						0.00				Yes	B409512		09/17/14	09/17/14	1.0	1.0	1
B409512-BLK1	Methyl-tert-butyl ether (MTBE)						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Naphthalene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	n-Butyl Alcohol						0.00				Yes	B409512		09/17/14	09/17/14	40.0	40.0	1
B409512-BLK1	n-Butylbenzene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Nitrobenzene						0.00				Yes	B409512		09/17/14	09/17/14	20.0	20.0	1
B409512-BLK1	n-Propyl Benzene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	p-Isopropyltoluene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	sec-Butyl Benzene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Styrene						0.00				Yes	B409512		09/17/14	09/17/14	1.0	1.0	1
B409512-BLK1	tert-Butylbenzene						0.00				Yes	B409512		09/17/14	09/17/14	1.0	1.0	1
B409512-BLK1	Tetrachloroethene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Toluene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Toluene-d8	104		70	130		10.4			10.0	Yes	B409512		09/17/14	09/17/14			1
B409512-BLK1	trans-1,2-Dichloroethene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	trans-1,3-Dichloropropene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Trichloroethene						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Trichlorofluoromethane						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Vinyl Chloride						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BLK1	Xylenes, total						0.00				Yes	B409512		09/17/14	09/17/14	0.3	1.0	1

LCS - Method EPA 8260B

B409512-BS1	1,1-Dichloroethene	90.8		70	130		9.08			10.0	Yes	B409512		09/17/14	09/17/14	0.3	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409512-BS1	1,2-Dichloroethane-d4	100		70	130		10.0			10.0	Yes	B409512		09/17/14	09/17/14			1
B409512-BS1	4-Bromofluorobenzene	99.3		70	130		9.93			10.0	Yes	B409512		09/17/14	09/17/14			1
B409512-BS1	Benzene	108		70	130		10.8			10.0	Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BS1	Chlorobenzene	100		70	130		10.0			10.0	Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BS1	Toluene	101		70	130		10.1			10.0	Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
B409512-BS1	Toluene-d8	105		70	130		10.5			10.0	Yes	B409512		09/17/14	09/17/14			1
B409512-BS1	Trichloroethene	104		70	130		10.4			10.0	Yes	B409512		09/17/14	09/17/14	0.3	1.0	1
Matrix Spike - Method EPA 8260B																		
B409512-MS1	1,1-Dichloroethene	95.7		70	130		47.8	**1409961-01**	0	50.0	Yes	B409512		09/17/14	09/17/14	1.5	5.0	1
B409512-MS1	1,2-Dichloroethane-d4	100		70	130		50.0	**1409961-01**		50.0	Yes	B409512		09/17/14	09/17/14			1
B409512-MS1	4-Bromofluorobenzene	97.5		70	130		48.8	**1409961-01**		50.0	Yes	B409512		09/17/14	09/17/14			1
B409512-MS1	Benzene	116		70	130		58.2	**1409961-01**	0	50.0	Yes	B409512		09/17/14	09/17/14	1.5	5.0	1
B409512-MS1	Chlorobenzene	109		70	130		54.6	**1409961-01**	0	50.0	Yes	B409512		09/17/14	09/17/14	1.5	5.0	1
B409512-MS1	Toluene	109		70	130		54.4	**1409961-01**	0	50.0	Yes	B409512		09/17/14	09/17/14	1.5	5.0	1
B409512-MS1	Toluene-d8	103		70	130		51.3	**1409961-01**		50.0	Yes	B409512		09/17/14	09/17/14			1
B409512-MS1	Trichloroethene	110		70	130		55.2	**1409961-01**	0	50.0	Yes	B409512		09/17/14	09/17/14	1.5	5.0	1
B409512-MS2	1,1-Dichloroethene	95.5		70	130		47.8	XXXXXXX-XX	0	50.0	Yes	B409512		09/17/14	09/17/14	1.5	5.0	1
B409512-MS2	1,2-Dichloroethane-d4	105		70	130		52.4	XXXXXXX-XX		50.0	Yes	B409512		09/17/14	09/17/14			1
B409512-MS2	4-Bromofluorobenzene	100		70	130		50.0	XXXXXXX-XX		50.0	Yes	B409512		09/17/14	09/17/14			1
B409512-MS2	Benzene	115		70	130		57.5	XXXXXXX-XX	0	50.0	Yes	B409512		09/17/14	09/17/14	1.5	5.0	1
B409512-MS2	Chlorobenzene	106		70	130		53.0	XXXXXXX-XX	0	50.0	Yes	B409512		09/17/14	09/17/14	1.5	5.0	1
B409512-MS2	Toluene	106		70	130		53.0	XXXXXXX-XX	0	50.0	Yes	B409512		09/17/14	09/17/14	1.5	5.0	1
B409512-MS2	Toluene-d8	101		70	130		50.7	XXXXXXX-XX		50.0	Yes	B409512		09/17/14	09/17/14			1
B409512-MS2	Trichloroethene	110		70	130		55.2	XXXXXXX-XX	0	50.0	Yes	B409512		09/17/14	09/17/14	1.5	5.0	1
Matrix Spike Dup - Method EPA 8260B																		
B409512-MSD1	1,1-Dichloroethene	93.0	2.86	70	130	20	46.5	**1409961-01**	0	50.0	Yes	B409512		09/17/14	09/17/14	1.5	5.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409512-MSD1	1,2-Dichloroethane-d4	103		70	130		51.4	**1409961-01**		50.0	Yes	B409512		09/17/14	09/17/14			1
B409512-MSD1	4-Bromofluorobenzene	98.5		70	130		49.2	**1409961-01**		50.0	Yes	B409512		09/17/14	09/17/14			1
B409512-MSD1	Benzene	112	3.85	70	130	20	56.0	**1409961-01**	0	50.0	Yes	B409512		09/17/14	09/17/14	1.5	5.0	1
B409512-MSD1	Chlorobenzene	104	4.87	70	130	20	52.0	**1409961-01**	0	50.0	Yes	B409512		09/17/14	09/17/14	1.5	5.0	1
B409512-MSD1	Toluene	104	4.71	70	130	20	51.8	**1409961-01**	0	50.0	Yes	B409512		09/17/14	09/17/14	1.5	5.0	1
B409512-MSD1	Toluene-d8	103		70	130		51.7	**1409961-01**		50.0	Yes	B409512		09/17/14	09/17/14			1
B409512-MSD1	Trichloroethene	109	1.28	70	130	20	54.6	**1409961-01**	0	50.0	Yes	B409512		09/17/14	09/17/14	1.5	5.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method SM 2540 C																		
B409405-BLK1	Total Dissolved Solids (TDS)						0					B409405		09/15/14	09/15/14	10	10	2
Duplicate - Method SM 2540 C																		
B409405-DUP1	Total Dissolved Solids (TDS)		2.95			20	1470	XXXXXXX-XX	1520			B409405		09/15/14	09/15/14	20	20	4
B409405-DUP2	Total Dissolved Solids (TDS)		0.00			20	1020	**1409961-03**	1020			B409405		09/15/14	09/15/14	20	20	4
Reference - Method SM 2540 C																		
B409405-SRM1	Total Dissolved Solids (TDS)	97.0		90	110		194			200		B409405		09/15/14	09/15/14	10	10	2

Surrogate Summary for Sample Delivery Group - 1409961

Method EPA 8260B

QC ID	Surrogate	% Rec	LCL	UCL	Result	Spk Value	Batch	DF
1409961-01	1,2-Dichloroethane-d4	103	70	130	10.3	10.0	B409512	1
1409961-01	4-Bromofluorobenzene	101	70	130	10.1	10.0	B409512	1
1409961-01	Toluene-d8	103	70	130	10.3	10.0	B409512	1
B409512-BLK1	1,2-Dichloroethane-d4	105	70	130	10.5	10.0	B409512	1
B409512-BLK1	4-Bromofluorobenzene	99.9	70	130	9.99	10.0	B409512	1
B409512-BLK1	Toluene-d8	104	70	130	10.4	10.0	B409512	1
B409512-BS1	1,2-Dichloroethane-d4	100	70	130	10.0	10.0	B409512	1
B409512-BS1	4-Bromofluorobenzene	99.3	70	130	9.93	10.0	B409512	1
B409512-BS1	Toluene-d8	105	70	130	10.5	10.0	B409512	1
B409512-MS1	1,2-Dichloroethane-d4	100	70	130	50.0	50.0	B409512	1
B409512-MS1	4-Bromofluorobenzene	97.5	70	130	48.8	50.0	B409512	1
B409512-MS1	Toluene-d8	103	70	130	51.3	50.0	B409512	1
B409512-MS2	1,2-Dichloroethane-d4	105	70	130	52.4	50.0	B409512	1
B409512-MS2	4-Bromofluorobenzene	100	70	130	50.0	50.0	B409512	1
B409512-MS2	Toluene-d8	101	70	130	50.7	50.0	B409512	1
B409512-MSD1	1,2-Dichloroethane-d4	103	70	130	51.4	50.0	B409512	1
B409512-MSD1	4-Bromofluorobenzene	98.5	70	130	49.2	50.0	B409512	1
B409512-MSD1	Toluene-d8	103	70	130	51.7	50.0	B409512	1

CHEMTECH - FORD ANALYTICAL LABORATORY

CHAIN OF CUSTODY

CHEMTECH-FORD LABORATORIES

COMPANY: Energy Fuels Resources (USA) Inc.
ADDRESS: 6425 South Highway 191
CITY/STATE/ZIP: Blanding Utah 84511
PHONE #: 435-678-4115 FAX:
CONTACT: Garrin Palmer PROJECT: White Mesa Mill
EMAIL: gpalmer@energyfuels.com, kweinel@energyfuels.com

BILLING ADDRESS: Jan Dalla, 225 Union Boulevard, Suite 600
BILLING CITY/STATE/ZIP: Lakewood, Colorado 80228
PURCHASE ORDER #:

TURNAROUND REQUIRED:* Standard
* Expedited turnaround subject to additional charge

Ground water per Garrin K

09961

Lab Use Only	CLIENT SAMPLE INFORMATION					TESTS REQUESTED																		Bacteria			
	LOCATION / IDENTIFICATION	DATE	TIME	MATRIX	Field: Residual Chlorine	Dissolved Manganese (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Fluoride (SM4500-F C/300.0)	Dissolved Uranium (200.7/200.8)	Nitrate/Nitrite asn N (353.2)	VOCs (8260B/8260C) Tetrahydrofuran	Chloride (SM4500-Cl B or SM4500-Cl E or E300.0)	Dissolved Selenium (200.7/200.8)	TDS (SM 2540 C)	Sulfate (SM4500-SO4 E or E300.0	Dissolved Thallium (200.7/200.8)	Dissolved Vanadium (200.7/200.8)							Total Coliform + E. coli (Present/Absent)	Total Coliform + E. coli (Enumerated)	HPC (Plate Count)	E. Coli Only
-01	1. MW-01_091021014	9/10/2014	1140	5 Water		X					X				X												
	2.																										
	3.																										
	4.																										
	5.																										
-02	6. MW-18_09092014	9/9/2014	1450	2 Water										X	X	X											
	7.																										
	8.																										
-03	9. MW-27_09082014	9/8/2014	1310	3 Water						X		X		X	X												
	10.																										
-04	11. MW-29_9/10/2014	9/10/2014	1040	2 Water		X								X													
	12.																										
	13.																										
	14.																										

Sampled by: (print) Garrin Palmer Sampled by: (signature) Garrin Palmer

ON ICE NOT ON ICE Temp (C°): 2.8

Samples received outside the EPA recommended temperature range of 0-6 C° may be rejected.

Special instructions: All metals samples are field filtered unless otherwise noted. PDF Data packages are to be sent to Garrin Palmer and Kathy Weinel.

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Garrin Palmer	9/11/14 1200	[signature]	9/11/14 0958
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

CHEMTECH-FORD
9632 South 500 West
Sandy, UT 84070
801.262.7299 PHONE
866.792.0093 FAX
www.chemtechford.com

Payment Terms are net 30 days OAC. 1.5% interest charge per month (18% per annum). Client agrees to pay collection costs and attorney's fees.

See tracking on 09947

Work Order # 09961

CHEMTECH FORD LABORATORIES
Sample Receipt

CHEMTECH-FORD LABORATORIES

Delivery Method:

- ☐ UPS
- ☐ USPS
- ☑ FedEx
- ☐ Chemtech Courier
- ☐ Walk-in
- ☐ Courier

Receiving Temperature 2.8 °C

Sample #	Container	Chemtech Lot # or Preservative	Number of field samples	Preserved by Client/Third Party	Preserved in Receiving Laboratory	Filtered in Field by Client	Misc Volume (oz/mL)	Comments
-01	M	317						
	AP	—						
	WI-3	298						
-02	M	317						
	AP	—						
-03	AQ	—						
	M	317						
	N	318						
-04	M	317						
	AP	—						

Sample Condition (check if yes)

- ☐ Custody Seals
- ☑ Containers Intact
- ☑ COC/Labels Agree
- ☑ Preservation Confirmed
- ☑ Received on Ice
- ☑ Correct Containers(s)
- ☑ Sufficient Sample Volume
- ☐ Headspace Present (VOC)
- ☑ Temperature Blank
- ☑ Received within Holding Time

Plastic Containers

A- Plastic Unpreserved
B- Miscellaneous Plastic
C- Cyanide Qt (NaOH)
F- Sulfide Qt (Zn Acetate)
L- Mercury 1631
M- Metals Pint (HNO3)
N- Nutrient Pint (H2SO4)
R- Radiological (HNO3)
S- Sludge Cups/Tubs
Q- Plastic Bag
E- Coliform/Ecoli

Glass Containers

D- 625 (Na2S2O3)
G- Glass Unpreserved
H- HAAs (NH4Cl)
J- 508/515/525 (Na2SO3)
K- 515.3 Herbicides
O- Oil & Grease (HCl)
P- Phenols (H2SO4)
T- TOC/TOX (H3PO4)
U- 531 (MCAA, Na2S2O3)
V- 524/THMs (Ascorbic Acid)
W- 8260 VOC (1:1 HCl)
X- Vial Unpreserved
Y- 624/504 (Na2S2O3)
Z- Miscellaneous Glass

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Report Footnotes

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.
1 mg/L = one milligram per liter or 1 mg/Kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.

Flag Descriptions

CHEMTECH-FORD
LABORATORIES

9/29/2014

Work Order: 1409584

Energy Fuels

Attn: Garrin Palmer

6425 South Highway 191

Blanding, UT 84511

Client Service Contact: 801.262.7299

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.

Approved By: Dave Gayer, Laboratory Director

CHEMTECH-FORD LABORATORIES

Case Narrative for Sample Delivery Group - 1409584

Energy Fuels

SampleID	SampleName	Matrix	Sampled	Received
1409584-01	MW-15_09022014	Water	09/02/2014	09/05/2014
1409584-02	MW-14_09022014	Water	09/02/2014	09/05/2014
1409584-02RE	MW-14_09022014	Water	09/02/2014	09/05/2014
1409584-03	MW-25_09032014	Water	09/03/2014	09/05/2014
1409584-04	MW-26_09042014	Water	09/04/2014	09/05/2014
1409584-05	MW-31_09032014	Water	09/03/2014	09/05/2014
1409584-06	MW-35_09032014	Water	09/03/2014	09/05/2014
1409584-07	MW-36_09032014	Water	09/03/2014	09/05/2014
1409584-07RE	MW-36_09032014	Water	09/03/2014	09/05/2014
1409584-08	Trip Blank	Water	09/02/2014	09/05/2014

Method Blanks

All method blanks were below the Minimum Reporting Limit (MRL).

Laboratory Control Samples

All Laboratory Control Sample (LCS) recoveries were within laboratory control limits.

Holding Times

All preparations and analyses were performed within holding times

Matrix Spike/Matrix Spike Duplicate

All Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries were within control except where noted on the QC report

Surrogates

All surrogates were within laboratory control limits.

Analytical Summary - 1409584

Lab ID: 1409584-01
Client ID: MW-15_09022014
Matrix: Water

Analyses
EPA 200.8

Lab ID: 1409584-02
Client ID: MW-14_09022014
Matrix: Water

Analyses
EPA 200.7
EPA 200.8
EPA 245.1
EPA 300.0
EPA 353.2
EPA 8260B
SM 2320 B
SM 2540 C
SM 4500 NH3-D

Lab ID: 1409584-02RE1
Client ID: MW-14_09022014
Matrix: Water

Analyses
EPA 300.0

Lab ID: 1409584-03
Client ID: MW-25_09032014
Matrix: Water

Analyses
EPA 200.7
EPA 200.8
EPA 245.1
EPA 300.0
EPA 353.2
EPA 8260B
SM 2320 B
SM 2540 C
SM 4500 NH3-D

Lab ID: 1409584-04

Client ID: MW-26_09042014

Matrix: Water

Analyses

EPA 200.7
EPA 200.8
EPA 245.1
EPA 300.0
EPA 353.2
EPA 8260B
SM 2320 B
SM 2540 C
SM 4500 NH3-D

Lab ID: 1409584-05

Client ID: MW-31_09032014

Matrix: Water

Analyses

EPA 200.7
EPA 200.8
EPA 245.1
EPA 300.0
EPA 353.2
EPA 8260B
SM 2320 B
SM 2540 C
SM 4500 NH3-D

Lab ID: 1409584-06

Client ID: MW-35_09032014

Matrix: Water

Analyses

EPA 200.7
EPA 200.8
EPA 245.1
EPA 300.0
EPA 353.2
EPA 8260B
SM 2320 B
SM 2540 C
SM 4500 NH3-D

Lab ID: 1409584-07

Client ID: MW-36_09032014

Matrix: Water

Analyses

EPA 200.7

EPA 200.8

EPA 245.1

EPA 300.0

EPA 353.2

EPA 8260B

SM 2320 B

SM 2540 C

SM 4500 NH3-D

Lab ID: 1409584-07RE1

Client ID: MW-36_09032014

Matrix: Water

Analyses

EPA 300.0

Lab ID: 1409584-08

Client ID: Trip Blank

Matrix: Water

Analyses

EPA 8260B

CHEMTECH - FORD ANALYTICAL LABORATORY

Ground Water Program

CHAIN OF CUSTODY

CHEMTECH-FORD LABORATORIES

COMPANY:	Energy Fuels Resources (USA) Inc.	BILLING ADDRESS:	Jan Dalla 225 Union Boulevard, Suite 600
ADDRESS:	6425 South Highway 191	BILLING CITY/STATE/ZIP:	Lakewood, Colorado 80228
CITY/STATE/ZIP:	Blanding Utah 84511	PURCHASE ORDER #:	
PHONE #:	435-678-4115 FAX:		
CONTACT:	Garrin Palmer PROJECT: White Mesa Mill		
EMAIL:	gpalmer@energyfuels.com, kweinel@energyfuels.com	TURNAROUND REQUIRED:*	Standard

* Expedited turnaround subject to additional charge

Lab Use Only	CLIENT SAMPLE INFORMATION					TESTS REQUESTED																	Bacteria			
09554	LOCATION / IDENTIFICATION	DATE	TIME	MATRIX	Field: Residual Chlorine	Dissolved Metals (200.7/200.8)*	VOCs (8260B/8260C)*	Fluoride (SM4500-F C/300.0)	Ammonia (as N) (SM4500-NH3 G or 350	Nitrate/Nitrite asn N (353.2)	Carbonate as CACO3 (SM2320 B)	Bicarbonate as CaCO3 (SM2320 B)	Chloride (SM4500-Cl B or SM4500-Cl E or E300.0)	TDS (SM 2540 C)	Sulfate (SM4500-SO4 E or E300.0	Total Anions	Total Cations	C/A Balance	TDS Ratio	TDS Calculated				Total Coliform + E. coli (Present/Absent)	Total Coliform + E. coli (Enumerated)	HPC (Plate Count)	E. Coli Only
	1.																									
-02	2. MW-14_09022014	9/2/2014	1030	6 GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
-03	3. MW-25_09032014	9/3/2014	1200	6 GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
-04	4. MW-26_09042014	9/4/2014	0730	6 GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	5.																									
-05	6. MW-31_09032014	9/3/2014	1400	6 GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
-06	7. MW-35_09032014	9/3/2014	1500	6 GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
-07	8. MW-36_09032014	9/3/2014	1325	6 GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	9.																									
-08	10. Trip Blank	9/2/2014					X																			
	11. Temp Blank	9/4/2014																								

Sampled by: Tanner Holliday Sampled by: [signature]

ON ICE NOT ON ICE Temp (C°): 1.8

Special Instructions: All metals samples are field filtered unless otherwise noted. PDF Data packages are to be sent to Garrin Palmer and Kathy Weinel. * = See attached analyte list.

Samples received outside the EPA recommended temperature range of 0-6 C° may be rejected.

Relinquished by: [signature]	Date/Time 9/4/2014 1000	Received by: [signature]	Date/Time 9/5/14 9:45
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time

CHEMTECH-FORD
9632 South 500 West
Sandy, UT 84070

801.262.7299 PHONE
866.792.0093 FAX
www.chemtechford.com

Payment Terms are net 30 days OAC. 1.5% interest charge per month (18% per annum). Client agrees to pay collection costs and attorney's fees.

Fed Ex
8032 7122 3657

Work Order # 09584

CHEMTECH FORD LABORATORIES
Sample Receipt

CHEMTECH-FORD LABORATORIES

Delivery Method:

- ☐ UPS
- ☐ USPS
- ☑ FedEx
- ☐ Chemtech Courier
- ☐ Walk-in
- ☐ Courier

Receiving Temperature 1.8 °C

Sample #	Container	Chemtech Lot # or Preservative	Number of Subsamples	Preserved by Client/Third Party	Preserved in Receiving/Laboratory	Added in Field by Client	Misc Volume (oz/mL)	Comments
-01	M	307						
-02	AQ							
	M	317						
	N	318						
	W 1-3	298						
-03	AQ							
	M	307						
	N	292						
	W 1-3	298						
-04	AQ							
	M	317						
	N	318						
	W 1-3	298						
-05	AQ							
	M	307						
	N	292						
	W 1-3	298						
-06	AQ							
	M	307						
	N	292						
	W 1-3	298						
-07	AQ							
	M	307						
	N	lot # Unreadable						
	W1-3	298						

Sample Condition (check if yes)

- ☑ Custody Seals
- ☑ Containers Intact
- ☑ COC/Labels Agree
- ☑ Preservation Confirmed
- ☑ Received on Ice
- ☑ Correct Containers(s)
- ☑ Sufficient Sample Volume
- ☐ Headspace Present (VOC)
- ☑ Temperature Blank
- ☑ Received within Holding Time

Plastic Containers

A- Plastic Unpreserved
B- Miscellaneous Plastic
C- Cyanide Qt (NaOH)
P- Sulfide Qt (Zn Acetate)
L- Mercury 1631
M- Metals Pint (HNO3)
N- Nutrient Pint (H2SO4)
R- Radiological (HNO3)
S- Sludge Cups/Tubs
Q- Plastic Bag
E- Coliform/Ecoli

Glass Containers

D- 625 (Na2S2O3)
G- Glass Unpreserved
H- HAAs (NH4Cl)
J- 508/515/525 (Na2SO3)
K- 515.3 Herbicides
O- Oil & Grease (HCl)
P- Phenols (H2SO4)
T- TOC/TOX (H3PO4)
U- 531 (MCAA, Na2S2O3)
V- 524/THMs (Ascorbic Acid)
W- 8260 VOC (1:1 HCl)
X- Vial Unpreserved
Y- 624/504 (Na2S2O3)
Z- Miscellaneous Glass

CHEMTECH - FORD ANALYTICAL LABORATORY

Ground Water Program

CHAIN OF CUSTODY

CHEMTECH-FORD LABORATORIES

COMPANY:	Energy Fuels Resources (USA) Inc	BILLING ADDRESS:	225 Union Boulevard, Suite 600
ADDRESS:	6425 South Highway 191	BILLING CITY/STATE/ZIP:	Lakewood, Colorado 80228
CITY/STATE/ZIP:	Blanding Utah 84511	PURCHASE ORDER #:	
PHONE #:	435-678-4115 FAX:		
CONTACT:	Garrin Palmer PROJECT: White Mesa Mill		
EMAIL:	gpalmer@energyfuels.com, kweinel@energyfuels.com		

Jan Dalla

TURNAROUND REQUIRED:* Standard

* Expedited turnaround subject to additional charge

Lab Use Only	CLIENT SAMPLE INFORMATION					TESTS REQUESTED																		Bacteria			
09584	LOCATION / IDENTIFICATION	DATE	TIME	MATRIX	Field: Residual Chlorine	Dissolved Manganese (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Fluoride (SM4500-F C/300.0)	Dissolved Uranium (200.7/200.8)	Nitrate/Nitrite asn N (353.2)	VOCs (8260B/8260C) Tetrahydrofuran	Chloride (SM4500-Cl B or SM4500-Cl E or E300.0)	Dissolved Selenium (200.7/200.8)	TDS (SM 2540 C)	Sulfate (SM4500-SO4 E or E300.0	Dissolved Thallium (200.7/200.8)	Dissolved Vanadium (200.7/200.8)							Total Coliform + E. coli (Present/Absent)	Total Coliform + E. coli (Enumerated)	HPC (Plate Count)	E. Coli Only
	1.																										
	2.																										
	3.																										
	4.																										
-01	5. MW-15_09022014	9/2/2014	1540	1 GW									X														
	6.																										
	7.																										
	8.																										
	9.																										
	10.																										
	11.																										
	12.																										
	13.																										
	14.																										

Sampled by: Tanner Holliday Sampled by: (signature) Tanner Holliday

ON ICE NOT ON ICE Temp (C°): 1.8

Samples received outside the EPA recommended temperature range of 0-6 C may be rejected.

Special Instructions: All metals samples are field filtered unless otherwise noted. PDF Data packages are to be sent to Garrin Palmer and Kathy Weinel.

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Tanner Holliday	9/4/2014 1000		9/5/14 9:45
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

CHEMTECH-FORD
9632 South 500 West
Sandy, UT 84070
801.262.7299 PHONE
866.792.0093 FAX
www.chemtechford.com

Payment Terms are net 30 days OAC. 1.5% interest charge per month (18% per annum). Client agrees to pay collection costs and attorney's fees.

FedEx Trk# 0200 8032 7122 3657

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Report Footnotes

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.
1 mg/L = one milligram per liter or 1 mg/Kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.

Flag Descriptions

QC Summary for Sample Delivery Group - 1409584

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 200.7																		
B409297-BLK1	Calcium, Dissolved						0.03					B409297		09/11/14	09/11/14	0.00	0.2	1
B409297-BLK1	Iron, Dissolved						0.002					B409297		09/11/14	09/11/14	0.00	0.02	1
B409297-BLK1	Magnesium, Dissolved						-0.000					B409297		09/11/14	09/11/14	0.01	0.2	1
B409297-BLK1	Manganese, Dissolved						0.0000					B409297		09/11/14	09/11/14	0.00	0.00	1
B409297-BLK1	Potassium, Dissolved						0.02					B409297		09/11/14	09/11/14	0.04	0.5	1
B409297-BLK1	Sodium, Dissolved						0.06					B409297		09/11/14	09/11/14	0.02	0.5	1
B409297-BLK1	Tin, Dissolved						0.001					B409297		09/11/14	09/11/14	0.00	0.02	1
B409297-BLK1	Zinc, Dissolved						0.002					B409297		09/11/14	09/11/14	0.00	0.01	1
Calibration Blank - Method EPA 200.7																		
4I11005-CCB1	Calcium, Dissolved						0.001					4I11005		09/11/14	09/11/14			1
4I11005-CCB1	Iron, Dissolved						0.002					4I11005		09/11/14	09/11/14			1
4I11005-CCB1	Magnesium, Dissolved						0.02					4I11005		09/11/14	09/11/14			1
4I11005-CCB1	Manganese, Dissolved						0.0002					4I11005		09/11/14	09/11/14			1
4I11005-CCB1	Potassium, Dissolved						0.0007					4I11005		09/11/14	09/11/14			1
4I11005-CCB1	Sodium, Dissolved						0.05					4I11005		09/11/14	09/11/14			1
4I11005-CCB1	Tin, Dissolved						0.004					4I11005		09/11/14	09/11/14			1
4I11005-CCB1	Zinc, Dissolved						0.002					4I11005		09/11/14	09/11/14			1
4I11005-CCB2	Calcium, Dissolved						0.002					4I11005		09/11/14	09/11/14			1
4I11005-CCB2	Iron, Dissolved						0.0009					4I11005		09/11/14	09/11/14			1
4I11005-CCB2	Magnesium, Dissolved						0.007					4I11005		09/11/14	09/11/14			1
4I11005-CCB2	Manganese, Dissolved						0.0002					4I11005		09/11/14	09/11/14			1
4I11005-CCB2	Potassium, Dissolved						0.01					4I11005		09/11/14	09/11/14			1
4I11005-CCB2	Sodium, Dissolved						0.07					4I11005		09/11/14	09/11/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I11005-CCB2	Tin, Dissolved						0.003					4I11005		09/11/14	09/11/14			1
4I11005-CCB2	Zinc, Dissolved						0.002					4I11005		09/11/14	09/11/14			1
4I11005-CCB3	Calcium, Dissolved						0.02					4I11005		09/11/14	09/11/14			1
4I11005-CCB3	Iron, Dissolved						0.001					4I11005		09/11/14	09/11/14			1
4I11005-CCB3	Magnesium, Dissolved						0.01					4I11005		09/11/14	09/11/14			1
4I11005-CCB3	Manganese, Dissolved						0.0003					4I11005		09/11/14	09/11/14			1
4I11005-CCB3	Potassium, Dissolved						0.03					4I11005		09/11/14	09/11/14			1
4I11005-CCB3	Sodium, Dissolved						0.2					4I11005		09/11/14	09/11/14			1
4I11005-CCB3	Tin, Dissolved						0.004					4I11005		09/11/14	09/11/14			1
4I11005-CCB3	Zinc, Dissolved						0.002					4I11005		09/11/14	09/11/14			1
4I11005-CCB4	Calcium, Dissolved						0.02					4I11005		09/11/14	09/11/14			1
4I11005-CCB4	Iron, Dissolved						0.002					4I11005		09/11/14	09/11/14			1
4I11005-CCB4	Magnesium, Dissolved						0.01					4I11005		09/11/14	09/11/14			1
4I11005-CCB4	Manganese, Dissolved						0.0003					4I11005		09/11/14	09/11/14			1
4I11005-CCB4	Potassium, Dissolved						0.01					4I11005		09/11/14	09/11/14			1
4I11005-CCB4	Sodium, Dissolved						0.1					4I11005		09/11/14	09/11/14			1
4I11005-CCB4	Tin, Dissolved						0.003					4I11005		09/11/14	09/11/14			1
4I11005-CCB4	Zinc, Dissolved						0.001					4I11005		09/11/14	09/11/14			1

Calibration Check - Method EPA 200.7

4I11005-CCV1	Calcium, Dissolved	101		90	110		2.0			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV1	Iron, Dissolved	104		90	110		2.08			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV1	Magnesium, Dissolved	101		90	110		2.0			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV1	Manganese, Dissolved	96.9		90	110		1.94			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV1	Potassium, Dissolved	102		90	110		20.3			20.0		4I11005		09/11/14	09/11/14			1
4I11005-CCV1	Sodium, Dissolved	98.7		90	110		19.7			20.0		4I11005		09/11/14	09/11/14			1
4I11005-CCV1	Tin, Dissolved	98.7		90	110		1.97			2.00		4I11005		09/11/14	09/11/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I11005-CCV1	Zinc, Dissolved	102		90	110		2.05			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV2	Calcium, Dissolved	102		90	110		2.0			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV2	Iron, Dissolved	105		90	110		2.09			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV2	Magnesium, Dissolved	102		90	110		2.0			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV2	Manganese, Dissolved	97.0		90	110		1.94			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV2	Potassium, Dissolved	102		90	110		20.4			20.0		4I11005		09/11/14	09/11/14			1
4I11005-CCV2	Sodium, Dissolved	98.8		90	110		19.8			20.0		4I11005		09/11/14	09/11/14			1
4I11005-CCV2	Tin, Dissolved	98.7		90	110		1.97			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV2	Zinc, Dissolved	103		90	110		2.07			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV3	Calcium, Dissolved	103		90	110		2.1			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV3	Iron, Dissolved	104		90	110		2.08			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV3	Magnesium, Dissolved	103		90	110		2.1			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV3	Manganese, Dissolved	97.1		90	110		1.94			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV3	Potassium, Dissolved	102		90	110		20.4			20.0		4I11005		09/11/14	09/11/14			1
4I11005-CCV3	Sodium, Dissolved	100		90	110		20.0			20.0		4I11005		09/11/14	09/11/14			1
4I11005-CCV3	Tin, Dissolved	94.2		90	110		1.88			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV3	Zinc, Dissolved	102		90	110		2.05			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV4	Calcium, Dissolved	98.0		90	110		2.0			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV4	Iron, Dissolved	101		90	110		2.02			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV4	Magnesium, Dissolved	99.3		90	110		2.0			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV4	Manganese, Dissolved	97.1		90	110		1.94			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV4	Potassium, Dissolved	102		90	110		20.4			20.0		4I11005		09/11/14	09/11/14			1
4I11005-CCV4	Sodium, Dissolved	99.5		90	110		19.9			20.0		4I11005		09/11/14	09/11/14			1
4I11005-CCV4	Tin, Dissolved	90.6		90	110		1.81			2.00		4I11005		09/11/14	09/11/14			1
4I11005-CCV4	Zinc, Dissolved	99.2		90	110		1.98			2.00		4I11005		09/11/14	09/11/14			1

Initial Cal Blank - Method EPA 200.7

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I11005-ICB1	Calcium, Dissolved						0.01					4I11005		09/11/14	09/11/14			1
4I11005-ICB1	Iron, Dissolved						0.006					4I11005		09/11/14	09/11/14			1
4I11005-ICB1	Magnesium, Dissolved						0.01					4I11005		09/11/14	09/11/14			1
4I11005-ICB1	Manganese, Dissolved						0.0003					4I11005		09/11/14	09/11/14			1
4I11005-ICB1	Potassium, Dissolved						0.01					4I11005		09/11/14	09/11/14			1
4I11005-ICB1	Sodium, Dissolved						0.02					4I11005		09/11/14	09/11/14			1
4I11005-ICB1	Tin, Dissolved						0.003					4I11005		09/11/14	09/11/14			1
4I11005-ICB1	Zinc, Dissolved						0.0008					4I11005		09/11/14	09/11/14			1
Initial Cal Check - Method EPA 200.7																		
4I11005-ICV1	Calcium, Dissolved	103		95	105		2.1			2.00		4I11005		09/11/14	09/11/14			1
4I11005-ICV1	Iron, Dissolved	103		95	105		2.06			2.00		4I11005		09/11/14	09/11/14			1
4I11005-ICV1	Magnesium, Dissolved	99.2		95	105		2.0			2.00		4I11005		09/11/14	09/11/14			1
4I11005-ICV1	Manganese, Dissolved	96.5		95	105		1.93			2.00		4I11005		09/11/14	09/11/14			1
4I11005-ICV1	Potassium, Dissolved	102		95	105		20.4			20.0		4I11005		09/11/14	09/11/14			1
4I11005-ICV1	Sodium, Dissolved	98.5		95	105		19.7			20.0		4I11005		09/11/14	09/11/14			1
4I11005-ICV1	Tin, Dissolved	99.0		95	105		1.98			2.00		4I11005		09/11/14	09/11/14			1
4I11005-ICV1	Zinc, Dissolved	99.9		95	105		2.00			2.00		4I11005		09/11/14	09/11/14			1
LCS - Method EPA 200.7																		
B409297-BS1	Calcium, Dissolved	93.1		85	115		9.5			10.2		B409297		09/11/14	09/11/14	0.00	0.2	1
B409297-BS1	Iron, Dissolved	104		85	115		0.21			0.200		B409297		09/11/14	09/11/14	0.00	0.02	1
B409297-BS1	Magnesium, Dissolved	106		85	115		10.8			10.2		B409297		09/11/14	09/11/14	0.01	0.2	1
B409297-BS1	Manganese, Dissolved	103		85	115		0.205			0.200		B409297		09/11/14	09/11/14	0.00	0.00	1
B409297-BS1	Potassium, Dissolved	96.8		85	115		7.7			8.00		B409297		09/11/14	09/11/14	0.04	0.5	1
B409297-BS1	Sodium, Dissolved	99.3		85	115		9.9			10.0		B409297		09/11/14	09/11/14	0.02	0.5	1
B409297-BS1	Tin, Dissolved	98.1		85	155		0.20			0.200		B409297		09/11/14	09/11/14	0.00	0.02	1
B409297-BS1	Zinc, Dissolved	101		85	115		0.20			0.200		B409297		09/11/14	09/11/14	0.00	0.01	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF

Matrix Spike - Method EPA 200.7

B409297-MS1	Calcium, Dissolved	**255**		70	130		459	**1409584-02**	433	10.2		B409297		09/11/14	09/11/14	0.00	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409297-MS1	Iron, Dissolved	98.3		70	130		0.20	**1409584-02**	0.006	0.200		B409297		09/11/14	09/11/14	0.00	0.02	1
B409297-MS1	Magnesium, Dissolved	**147**		70	130		164	**1409584-02**	149	10.2		B409297		09/11/14	09/11/14	0.01	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409297-MS1	Manganese, Dissolved	128		70	130		2.06	**1409584-02**	1.80	0.200		B409297		09/11/14	09/11/14	0.00	0.00	1
B409297-MS1	Potassium, Dissolved	105		70	130		19.6	**1409584-02**	11.2	8.00		B409297		09/11/14	09/11/14	0.04	0.5	1
B409297-MS1	Sodium, Dissolved	**230**		70	130		348	**1409584-02**	325	10.0		B409297		09/11/14	09/11/14	0.02	0.5	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409297-MS1	Tin, Dissolved	89.4		70	130		0.19	1409584-02	0.008	0.200		B409297		09/11/14	09/11/14	0.00	0.02	1
B409297-MS1	Zinc, Dissolved	94.8		70	130		0.20	1409584-02	0.009	0.200		B409297		09/11/14	09/11/14	0.00	0.01	1
B409297-MS2	Calcium, Dissolved	98.6		70	130		10.4	XXXXXXX-XX	0.3	10.2		B409297		09/11/14	09/11/14	0.00	0.2	1
B409297-MS2	Iron, Dissolved	104		70	130		0.21	XXXXXXX-XX	0	0.200		B409297		09/11/14	09/11/14	0.00	0.02	1
B409297-MS2	Magnesium, Dissolved	98.7		70	130		10.1	XXXXXXX-XX	0.03	10.2		B409297		09/11/14	09/11/14	0.01	0.2	1
B409297-MS2	Manganese, Dissolved	101		70	130		0.202	XXXXXXX-XX	0	0.200		B409297		09/11/14	09/11/14	0.00	0.00	1
B409297-MS2	Potassium, Dissolved	97.4		70	130		7.8	XXXXXXX-XX	0.05	8.00		B409297		09/11/14	09/11/14	0.04	0.5	1
B409297-MS2	Sodium, Dissolved	100		70	130		10.7	XXXXXXX-XX	0.7	10.0		B409297		09/11/14	09/11/14	0.02	0.5	1
B409297-MS2	Tin, Dissolved	91.5		70	130		0.18	XXXXXXX-XX	0	0.200		B409297		09/11/14	09/11/14	0.00	0.02	1
B409297-MS2	Zinc, Dissolved	102		70	130		0.21	XXXXXXX-XX	0.002	0.200		B409297		09/11/14	09/11/14	0.00	0.01	1

Matrix Spike Dup - Method EPA 200.7

B409297-MSD1	Calcium, Dissolved	**282**	0.599	70	130	20	462	**1409584-02**	433	10.2		B409297		09/11/14	09/11/14	0.00	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409297-MSD1	Iron, Dissolved	96.5	1.77	70	130	20	0.20	**1409584-02**	0.006	0.200		B409297		09/11/14	09/11/14	0.00	0.02	1
B409297-MSD1	Magnesium, Dissolved	**182**	2.14	70	130	20	167	**1409584-02**	149	10.2		B409297		09/11/14	09/11/14	0.01	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409297-MSD1	Manganese, Dissolved	**142**	1.35	70	130	20	2.09	**1409584-02**	1.80	0.200		B409297		09/11/14	09/11/14	0.00	0.00	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409297-MSD1	Potassium, Dissolved	120	5.86	70	130	20	20.8	**1409584-02**	11.2	8.00		B409297		09/11/14	09/11/14	0.04	0.5	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409297-MSD1	Sodium, Dissolved	**254**	0.692	70	130	20	350	**1409584-02**	325	10.0		B409297		09/11/14	09/11/14	0.02	0.5	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409297-MSD1	Tin, Dissolved	99.6	10.3	70	130	20	0.21	**1409584-02**	0.008	0.200		B409297		09/11/14	09/11/14	0.00	0.02	1
B409297-MSD1	Zinc, Dissolved	93.8	1.00	70	130	20	0.20	**1409584-02**	0.009	0.200		B409297		09/11/14	09/11/14	0.00	0.01	1
B409297-MSD2	Calcium, Dissolved	86.1	13.1	70	130	20	9.1	XXXXXXX-XX	0.3	10.2		B409297		09/11/14	09/11/14	0.00	0.2	1
B409297-MSD2	Iron, Dissolved	101	3.12	70	130	20	0.20	XXXXXXX-XX	0	0.200		B409297		09/11/14	09/11/14	0.00	0.02	1
B409297-MSD2	Magnesium, Dissolved	94.3	4.59	70	130	20	9.6	XXXXXXX-XX	0.03	10.2		B409297		09/11/14	09/11/14	0.01	0.2	1
B409297-MSD2	Manganese, Dissolved	99.4	1.45	70	130	20	0.199	XXXXXXX-XX	0	0.200		B409297		09/11/14	09/11/14	0.00	0.00	1
B409297-MSD2	Potassium, Dissolved	93.8	3.75	70	130	20	7.6	XXXXXXX-XX	0.05	8.00		B409297		09/11/14	09/11/14	0.04	0.5	1
B409297-MSD2	Sodium, Dissolved	95.7	4.10	70	130	20	10.2	XXXXXXX-XX	0.7	10.0		B409297		09/11/14	09/11/14	0.02	0.5	1
B409297-MSD2	Tin, Dissolved	87.0	5.00	70	130	20	0.17	XXXXXXX-XX	0	0.200		B409297		09/11/14	09/11/14	0.00	0.02	1
B409297-MSD2	Zinc, Dissolved	97.4	4.26	70	130	20	0.20	XXXXXXX-XX	0.002	0.200		B409297		09/11/14	09/11/14	0.00	0.01	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 200.8																		
B409183-BLK1	Arsenic, Dissolved						0.0000					B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BLK1	Beryllium, Dissolved						0.0000					B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BLK1	Cadmium, Dissolved						0.00					B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BLK1	Chromium, Dissolved						-0.000					B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BLK1	Cobalt, Dissolved						-0.000					B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BLK1	Copper, Dissolved						0.0000					B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BLK1	Lead, Dissolved						0.0000					B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BLK1	Molybdenum, Dissolved						0.0000					B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BLK1	Nickel, Dissolved						-0.000					B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BLK1	Selenium, Dissolved						-0.000					B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BLK1	Silver, Dissolved						0.0000					B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BLK1	Thallium, Dissolved						0.00					B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BLK1	Uranium, Dissolved						0.0000					B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BLK1	Vanadium, Dissolved						-0.000					B409183		09/08/14	09/08/14	0.00	0.00	1
Calibration Blank - Method EPA 200.8																		
4I08007-CCB1	Arsenic, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-CCB1	Beryllium, Dissolved						0.00					4I08007		09/08/14	09/08/14			1
4I08007-CCB1	Cadmium, Dissolved						-0.000					4I08007		09/08/14	09/08/14			1
4I08007-CCB1	Chromium, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-CCB1	Cobalt, Dissolved						-0.000					4I08007		09/08/14	09/08/14			1
4I08007-CCB1	Copper, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-CCB1	Lead, Dissolved						0.00					4I08007		09/08/14	09/08/14			1
4I08007-CCB1	Molybdenum, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-CCB1	Nickel, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-CCB1	Selenium, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I08007-CCB1	Silver, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-CCB1	Thallium, Dissolved						0.00					4I08007		09/08/14	09/08/14			1
4I08007-CCB1	Uranium, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-CCB1	Vanadium, Dissolved						-0.000					4I08007		09/08/14	09/08/14			1
4I08007-CCB2	Arsenic, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-CCB2	Beryllium, Dissolved						0.00					4I08007		09/08/14	09/08/14			1
4I08007-CCB2	Cadmium, Dissolved						-0.000					4I08007		09/08/14	09/08/14			1
4I08007-CCB2	Chromium, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-CCB2	Cobalt, Dissolved						-0.000					4I08007		09/08/14	09/08/14			1
4I08007-CCB2	Copper, Dissolved						0.0001					4I08007		09/08/14	09/08/14			1
4I08007-CCB2	Lead, Dissolved						-0.000					4I08007		09/08/14	09/08/14			1
4I08007-CCB2	Molybdenum, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-CCB2	Nickel, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-CCB2	Selenium, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-CCB2	Silver, Dissolved						0.0001					4I08007		09/08/14	09/08/14			1
4I08007-CCB2	Thallium, Dissolved						-0.000					4I08007		09/08/14	09/08/14			1
4I08007-CCB2	Uranium, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-CCB2	Vanadium, Dissolved						-0.000					4I08007		09/08/14	09/08/14			1
4I09003-CCB1	Beryllium, Dissolved						0.00					4I09003		09/09/14	09/09/14			1

Calibration Check - Method EPA 200.8

4I08007-CCV1	Arsenic, Dissolved	99.4		90	110		0.040			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV1	Beryllium, Dissolved	94.0		90	110		0.038			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV1	Cadmium, Dissolved	101		90	110		0.040			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV1	Chromium, Dissolved	96.9		90	110		0.039			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV1	Cobalt, Dissolved	103		90	110		0.041			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV1	Copper, Dissolved	96.0		90	110		0.038			0.0400		4I08007		09/08/14	09/08/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I08007-CCV1	Lead, Dissolved	104		90	110		0.041			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV1	Molybdenum, Dissolved	101		90	110		0.040			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV1	Nickel, Dissolved	95.2		90	110		0.0381			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV1	Selenium, Dissolved	104		90	110		0.041			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV1	Silver, Dissolved	**113**		90	110		0.045			0.0400		4I08007		09/08/14	09/08/14			1
HB - Recovery for this parameter exceeded the upper acceptance limit. Associated sample(s) were all non-detect and therefore accepted and reported for this parameter.																		
4I08007-CCV1	Thallium, Dissolved	104		90	110		0.041			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV1	Uranium, Dissolved	99.9		90	110		0.040			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV1	Vanadium, Dissolved	95.7		90	110		0.038			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV2	Arsenic, Dissolved	97.3		90	110		0.039			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV2	Beryllium, Dissolved	98.1		90	110		0.039			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV2	Cadmium, Dissolved	101		90	110		0.040			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV2	Chromium, Dissolved	94.6		90	110		0.038			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV2	Cobalt, Dissolved	104		90	110		0.042			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV2	Copper, Dissolved	97.3		90	110		0.039			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV2	Lead, Dissolved	104		90	110		0.042			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV2	Molybdenum, Dissolved	101		90	110		0.040			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV2	Nickel, Dissolved	94.8		90	110		0.0379			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV2	Selenium, Dissolved	101		90	110		0.041			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV2	Silver, Dissolved	**117**		90	110		0.047			0.0400		4I08007		09/08/14	09/08/14			1
HB - Recovery for this parameter exceeded the upper acceptance limit. Associated sample(s) were all non-detect and therefore accepted and reported for this parameter.																		
4I08007-CCV2	Thallium, Dissolved	104		90	110		0.041			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV2	Uranium, Dissolved	107		90	110		0.043			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-CCV2	Vanadium, Dissolved	93.9		90	110		0.038			0.0400		4I08007		09/08/14	09/08/14			1
4I09003-CCV1	Beryllium, Dissolved	**120**		90	110		0.048			0.0400		4I09003		09/09/14	09/09/14			1
HB - Recovery for this parameter exceeded the upper acceptance limit. Associated sample(s) were all non-detect and therefore accepted and reported for this parameter.																		

Initial Cal Blank - Method EPA 200.8

4I08007-ICB1	Arsenic, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-ICB1	Beryllium, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I08007-ICB1	Cadmium, Dissolved						-0.000					4I08007		09/08/14	09/08/14			1
4I08007-ICB1	Chromium, Dissolved						-0.000					4I08007		09/08/14	09/08/14			1
4I08007-ICB1	Cobalt, Dissolved						-0.000					4I08007		09/08/14	09/08/14			1
4I08007-ICB1	Copper, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-ICB1	Lead, Dissolved						-0.000					4I08007		09/08/14	09/08/14			1
4I08007-ICB1	Molybdenum, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-ICB1	Nickel, Dissolved						-0.000					4I08007		09/08/14	09/08/14			1
4I08007-ICB1	Selenium, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-ICB1	Silver, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-ICB1	Thallium, Dissolved						0.00					4I08007		09/08/14	09/08/14			1
4I08007-ICB1	Uranium, Dissolved						0.0000					4I08007		09/08/14	09/08/14			1
4I08007-ICB1	Vanadium, Dissolved						0.00					4I08007		09/08/14	09/08/14			1
4I09003-ICB1	Beryllium, Dissolved						-0.000					4I09003		09/09/14	09/09/14			1

Initial Cal Check - Method EPA 200.8

4I08007-ICV1	Arsenic, Dissolved	96.6		90	110		0.039			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-ICV1	Beryllium, Dissolved	103		90	110		0.041			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-ICV1	Cadmium, Dissolved	100		90	110		0.040			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-ICV1	Chromium, Dissolved	100		90	110		0.040			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-ICV1	Cobalt, Dissolved	106		90	110		0.043			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-ICV1	Copper, Dissolved	96.6		90	110		0.039			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-ICV1	Lead, Dissolved	104		90	110		0.042			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-ICV1	Molybdenum, Dissolved	101		90	110		0.040			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-ICV1	Nickel, Dissolved	96.2		90	110		0.0385			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-ICV1	Selenium, Dissolved	101		90	110		0.040			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-ICV1	Silver, Dissolved	**118**		90	110		0.047			0.0400		4I08007		09/08/14	09/08/14			1
HB - Recovery for this parameter exceeded the upper acceptance limit. Associated sample(s) were all non-detect and therefore accepted and reported for this parameter.																		
4I08007-ICV1	Thallium, Dissolved	102		90	110		0.041			0.0400		4I08007		09/08/14	09/08/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I08007-ICV1	Uranium, Dissolved	103		90	110		0.041			0.0400		4I08007		09/08/14	09/08/14			1
4I08007-ICV1	Vanadium, Dissolved	106		90	110		0.042			0.0400		4I08007		09/08/14	09/08/14			1
4I09003-ICV1	Beryllium, Dissolved	99.3		90	110		0.040			0.0400		4I09003		09/09/14	09/09/14			1
LCS - Method EPA 200.8																		
B409183-BS1	Arsenic, Dissolved	108		85	115		0.086			0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BS1	Beryllium, Dissolved	109		85	115		0.087			0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BS1	Cadmium, Dissolved	106		85	115		0.085			0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BS1	Chromium, Dissolved	112		85	115		0.090			0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BS1	Cobalt, Dissolved	112		85	115		0.090			0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BS1	Copper, Dissolved	103		85	115		0.083			0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BS1	Lead, Dissolved	109		85	115		0.087			0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BS1	Molybdenum, Dissolved	106		85	115		0.085			0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BS1	Nickel, Dissolved	102		85	115		0.0818			0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BS1	Selenium, Dissolved	109		85	115		0.087			0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BS1	Silver, Dissolved	111		85	115		0.089			0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BS1	Thallium, Dissolved	107		85	115		0.085			0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BS1	Uranium, Dissolved	103		85	115		0.082			0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-BS1	Vanadium, Dissolved	115		85	115		0.092			0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
Matrix Spike - Method EPA 200.8																		
B409183-MS1	Arsenic, Dissolved	110		70	130		0.090	**1409584-02**	0.001	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS1	Beryllium, Dissolved	88.3		70	130		0.071	**1409584-02**	0	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS1	Cadmium, Dissolved	90.7		70	130		0.074	**1409584-02**	0.001	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS1	Chromium, Dissolved	98.1		70	130		0.088	**1409584-02**	0.009	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS1	Cobalt, Dissolved	98.8		70	130		0.083	**1409584-02**	0.004	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS1	Copper, Dissolved	82.4		70	130		0.073	**1409584-02**	0.007	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS1	Lead, Dissolved	91.9		70	130		0.074	**1409584-02**	0.00009	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409183-MS1	Molybdenum, Dissolved	106		70	130		0.088	**1409584-02**	0.004	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS1	Nickel, Dissolved	108		75	125		0.102	**1409584-02**	0.0156	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS1	Selenium, Dissolved	119		70	130		0.099	**1409584-02**	0.004	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS1	Silver, Dissolved	90.6		70	130		0.072	**1409584-02**	0	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS1	Thallium, Dissolved	95.7		70	130		0.077	**1409584-02**	0.0004	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS1	Uranium, Dissolved	90.4		70	130		0.131	**1409584-02**	0.059	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS1	Vanadium, Dissolved	103		70	130		0.085	**1409584-02**	0.003	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS2	Arsenic, Dissolved	108		70	130		0.099	**1409584-07**	0.013	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS2	Beryllium, Dissolved	87.9		70	130		0.070	**1409584-07**	0	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS2	Cadmium, Dissolved	89.5		70	130		0.072	**1409584-07**	0.0001	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS2	Chromium, Dissolved	97.4		70	130		0.083	**1409584-07**	0.005	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS2	Cobalt, Dissolved	100		70	130		0.081	**1409584-07**	0.001	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS2	Copper, Dissolved	83.3		70	130		0.074	**1409584-07**	0.007	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS2	Lead, Dissolved	92.8		70	130		0.074	**1409584-07**	0.0001	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS2	Molybdenum, Dissolved	107		70	130		0.087	**1409584-07**	0.0007	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS2	Nickel, Dissolved	104		75	125		0.0962	**1409584-07**	0.0126	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS2	Selenium, Dissolved	91.3		70	130		0.342	**1409584-07**	0.269	0.0800		B409183		09/08/14	09/09/14	0.00	0.00	1
B409183-MS2	Silver, Dissolved	82.6		70	130		0.066	**1409584-07**	0	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS2	Thallium, Dissolved	96.3		70	130		0.078	**1409584-07**	0.0007	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS2	Uranium, Dissolved	99.0		70	130		0.101	**1409584-07**	0.021	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1
B409183-MS2	Vanadium, Dissolved	99.6		70	130		0.081	**1409584-07**	0.001	0.0800		B409183		09/08/14	09/08/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 245.1																		
B409233-BLK1	Mercury, Dissolved						0.0000					B409233		09/09/14	09/09/14	0.00	0.00	1
Calibration Blank - Method EPA 245.1																		
4I09011-CCB1	Mercury, Dissolved						0.0345					4I09011		09/09/14	09/09/14			1
4I09011-CCB2	Mercury, Dissolved						0.0324					4I09011		09/09/14	09/09/14			1
Calibration Check - Method EPA 245.1																		
4I09011-CCV1	Mercury, Dissolved	101		90	110		5.0282			5.00		4I09011		09/09/14	09/09/14			1
4I09011-CCV2	Mercury, Dissolved	99.1		90	110		4.9560			5.00		4I09011		09/09/14	09/09/14			1
Initial Cal Blank - Method EPA 245.1																		
4I09011-ICB1	Mercury, Dissolved						-0.041					4I09011		09/09/14	09/09/14			1
Initial Cal Check - Method EPA 245.1																		
4I09011-ICV1	Mercury, Dissolved	98.7		90	110		4.9363			5.00		4I09011		09/09/14	09/09/14			1
LCS - Method EPA 245.1																		
B409233-BS1	Mercury, Dissolved	90.2		85	115		0.0045			0.00500		B409233		09/09/14	09/09/14	0.00	0.00	1
Matrix Spike - Method EPA 245.1																		
B409233-MS1	Mercury, Dissolved	103		75	125		0.0052	**1409584-02**	0	0.00500		B409233		09/09/14	09/09/14	0.00	0.00	1
Matrix Spike Dup - Method EPA 245.1																		
B409233-MSD1	Mercury, Dissolved	106	2.43	75	125	20	0.0053	**1409584-02**	0	0.00500		B409233		09/09/14	09/09/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF

Calibration Blank - Method EPA 300.0

4I08002-CCB1	Chloride						0					4I08002		09/05/14	09/05/14			1
4I08002-CCB1	Fluoride						0.0					4I08002		09/05/14	09/05/14			1
4I08002-CCB1	Sulfate						0					4I08002		09/05/14	09/05/14			1
4I08002-CCB2	Chloride						0					4I08002		09/05/14	09/05/14			1
4I08002-CCB2	Fluoride						0.0					4I08002		09/05/14	09/05/14			1
4I08002-CCB2	Sulfate						0					4I08002		09/05/14	09/05/14			1
4I08002-CCB3	Chloride						0					4I08002		09/05/14	09/05/14			1
4I08002-CCB3	Fluoride						0.0					4I08002		09/05/14	09/05/14			1
4I08002-CCB3	Sulfate						0.6					4I08002		09/05/14	09/05/14			1
4I08002-CCB4	Chloride						0					4I08002		09/05/14	09/05/14			1
4I08002-CCB4	Fluoride						0.0					4I08002		09/05/14	09/05/14			1
4I08002-CCB4	Sulfate						0					4I08002		09/05/14	09/05/14			1
4I08002-CCB5	Chloride						0					4I08002		09/05/14	09/05/14			1
4I08002-CCB5	Fluoride						0.0					4I08002		09/05/14	09/05/14			1
4I08002-CCB5	Sulfate						0					4I08002		09/05/14	09/05/14			1
4I08002-CCB6	Chloride						0.2					4I08002		09/05/14	09/05/14			1
4I08002-CCB6	Fluoride						0.0					4I08002		09/05/14	09/05/14			1
4I08002-CCB6	Sulfate						0.6					4I08002		09/05/14	09/05/14			1
4I08002-CCB7	Chloride						0					4I08002		09/05/14	09/05/14			1
4I08002-CCB7	Fluoride						0.0					4I08002		09/05/14	09/05/14			1
4I08002-CCB7	Sulfate						0					4I08002		09/05/14	09/05/14			1
4I08002-CCB8	Chloride						0					4I08002		09/05/14	09/05/14			1
4I08002-CCB8	Fluoride						0.0					4I08002		09/05/14	09/05/14			1
4I08002-CCB8	Sulfate						0					4I08002		09/05/14	09/05/14			1

Calibration Check - Method EPA 300.0

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I08002-CCV1	Chloride	100		90	110		20			20.0		4I08002		09/05/14	09/05/14			1
4I08002-CCV1	Fluoride	95.0		90	110		1.9			2.00		4I08002		09/05/14	09/05/14			1
4I08002-CCV1	Sulfate	97.5		90	110		39			40.0		4I08002		09/05/14	09/05/14			1
4I08002-CCV2	Chloride	100		90	110		20			20.0		4I08002		09/05/14	09/05/14			1
4I08002-CCV2	Fluoride	95.0		90	110		1.9			2.00		4I08002		09/05/14	09/05/14			1
4I08002-CCV2	Sulfate	97.5		90	110		39			40.0		4I08002		09/05/14	09/05/14			1
4I08002-CCV3	Chloride	100		90	110		20			20.0		4I08002		09/05/14	09/05/14			1
4I08002-CCV3	Fluoride	95.0		90	110		1.9			2.00		4I08002		09/05/14	09/05/14			1
4I08002-CCV3	Sulfate	97.5		90	110		39			40.0		4I08002		09/05/14	09/05/14			1
4I08002-CCV4	Chloride	100		90	110		20			20.0		4I08002		09/05/14	09/05/14			1
4I08002-CCV4	Fluoride	95.0		90	110		1.9			2.00		4I08002		09/05/14	09/05/14			1
4I08002-CCV4	Sulfate	97.5		90	110		39			40.0		4I08002		09/05/14	09/05/14			1
4I08002-CCV5	Chloride	100		90	110		20			20.0		4I08002		09/05/14	09/05/14			1
4I08002-CCV5	Fluoride	100		90	110		2.0			2.00		4I08002		09/05/14	09/05/14			1
4I08002-CCV5	Sulfate	100		90	110		40			40.0		4I08002		09/05/14	09/05/14			1
4I08002-CCV6	Chloride	100		90	110		20			20.0		4I08002		09/05/14	09/05/14			1
4I08002-CCV6	Fluoride	95.0		90	110		1.9			2.00		4I08002		09/05/14	09/05/14			1
4I08002-CCV6	Sulfate	97.5		90	110		39			40.0		4I08002		09/05/14	09/05/14			1
4I08002-CCV7	Chloride	100		90	110		20			20.0		4I08002		09/05/14	09/05/14			1
4I08002-CCV7	Fluoride	100		90	110		2.0			2.00		4I08002		09/05/14	09/05/14			1
4I08002-CCV7	Sulfate	100		90	110		40			40.0		4I08002		09/05/14	09/05/14			1
4I08002-CCV8	Chloride	100		90	110		20			20.0		4I08002		09/05/14	09/05/14			1
4I08002-CCV8	Fluoride	95.0		90	110		1.9			2.00		4I08002		09/05/14	09/05/14			1
4I08002-CCV8	Sulfate	100		90	110		40			40.0		4I08002		09/05/14	09/05/14			1

LCSW - Method EPA 300.0

B409172-BS1	Chloride	100		90	110		50			50.0		B409172		09/05/14	09/05/14	0.07	1	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409172-BS1	Fluoride	98.0		90	110		4.9			5.00		B409172		09/05/14	09/05/14	0.02	0.1	1
B409172-BS1	Sulfate	100		90	110		100			100		B409172		09/05/14	09/05/14	0.2	1	1
B409172-BS2	Chloride	98.0		90	110		49			50.0		B409172		09/05/14	09/05/14	0.07	1	1
B409172-BS2	Fluoride	96.0		90	110		4.8			5.00		B409172		09/05/14	09/05/14	0.02	0.1	1
B409172-BS2	Sulfate	98.0		90	110		98			100		B409172		09/05/14	09/05/14	0.2	1	1
B409173-BS1	Chloride	100		90	110		50			50.0		B409173		09/05/14	09/05/14	0.07	1	1
B409173-BS1	Fluoride	98.0		90	110		4.9			5.00		B409173		09/05/14	09/05/14	0.02	0.1	1
B409173-BS1	Sulfate	98.0		90	110		98			100		B409173		09/05/14	09/05/14	0.2	1	1
B409173-BS2	Chloride	100		90	110		50			50.0		B409173		09/05/14	09/05/14	0.07	1	1
B409173-BS2	Fluoride	98.0		90	110		4.9			5.00		B409173		09/05/14	09/05/14	0.02	0.1	1
B409173-BS2	Sulfate	99.0		90	110		99			100		B409173		09/05/14	09/05/14	0.2	1	1
B409173-BS3	Chloride	102		90	110		51			50.0		B409173		09/05/14	09/05/14	0.07	1	1
B409173-BS3	Fluoride	100		90	110		5.0			5.00		B409173		09/05/14	09/05/14	0.02	0.1	1
B409173-BS3	Sulfate	102		90	110		102			100		B409173		09/05/14	09/05/14	0.2	1	1

LCSW Dup - Method EPA 300.0

B409172-BSD1	Chloride	98.0	2.02	90	110	20	49			50.0		B409172		09/05/14	09/05/14	0.07	1	1
B409172-BSD1	Fluoride	96.0	2.06	90	110	20	4.8			5.00		B409172		09/05/14	09/05/14	0.02	0.1	1
B409172-BSD1	Sulfate	97.0	3.05	90	110	200	97			100		B409172		09/05/14	09/05/14	0.2	1	1
B409172-BSD2	Chloride	100	2.02	90	110	20	50			50.0		B409172		09/05/14	09/05/14	0.07	1	1
B409172-BSD2	Fluoride	98.0	2.06	90	110	20	4.9			5.00		B409172		09/05/14	09/05/14	0.02	0.1	1
B409172-BSD2	Sulfate	98.0	0.00	90	110	200	98			100		B409172		09/05/14	09/05/14	0.2	1	1
B409173-BSD1	Chloride	100	0.00	90	110	20	50			50.0		B409173		09/05/14	09/05/14	0.07	1	1
B409173-BSD1	Fluoride	98.0	0.00	90	110	20	4.9			5.00		B409173		09/05/14	09/05/14	0.02	0.1	1
B409173-BSD1	Sulfate	98.0	0.00	90	110	200	98			100		B409173		09/05/14	09/05/14	0.2	1	1
B409173-BSD2	Chloride	104	3.92	90	110	20	52			50.0		B409173		09/05/14	09/05/14	0.07	1	1
B409173-BSD2	Fluoride	102	4.00	90	110	20	5.1			5.00		B409173		09/05/14	09/05/14	0.02	0.1	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409173-BSD2	Sulfate	103	3.96	90	110	200	103			100		B409173		09/05/14	09/05/14	0.2	1	1
B409173-BSD3	Chloride	100	1.98	90	110	20	50			50.0		B409173		09/05/14	09/05/14	0.07	1	1
B409173-BSD3	Fluoride	98.0	2.02	90	110	20	4.9			5.00		B409173		09/05/14	09/05/14	0.02	0.1	1
B409173-BSD3	Sulfate	98.0	4.00	90	110	200	98			100		B409173		09/05/14	09/05/14	0.2	1	1

Matrix Spike - Method EPA 300.0

B409172-MS1	Chloride	80.0		80	120		550	XXXXXXX-XX	470	100		B409172		09/05/14	09/05/14	0.7	10	10
B409172-MS1	Fluoride	96.0		80	120		10.0	XXXXXXX-XX	0.4	10.0		B409172		09/05/14	09/05/14	0.2	1.0	10
B409172-MS1	Sulfate	97.5		80	120		320	XXXXXXX-XX	125	200		B409172		09/05/14	09/05/14	2	10	10
B409172-MS2	Chloride	100		80	120		28	**1409584-02**	18	10.0		B409172		09/05/14	09/05/14	0.07	1	1
B409172-MS2	Fluoride	90.0		80	120		1.1	**1409584-02**	0.2	1.00		B409172		09/05/14	09/05/14	0.02	0.1	1
B409172-MS2	Sulfate	**-1040**		80	120		0	**1409584-02**	2070	20.0		B409172		09/05/14	09/05/14	0.2	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409172-MS3	Chloride	92.0		80	120		110	**1409584-02**	18	100		B409172		09/05/14	09/05/14	0.7	10	10
B409172-MS3	Fluoride	90.0		80	120		9.0	**1409584-02**	0.2	10.0		B409172		09/05/14	09/05/14	0.2	1.0	10
B409172-MS3	Sulfate	80.0		80	120		2230	**1409584-02**	2070	200		B409172		09/05/14	09/05/14	2	10	10
B409173-MS1	Chloride	93.0		80	120		150	**1409584-07**	57	100		B409173		09/05/14	09/05/14	0.7	10	10
B409173-MS1	Fluoride	97.0		80	120		10.0	**1409584-07**	0.3	10.0		B409173		09/05/14	09/05/14	0.2	1.0	10
B409173-MS1	Sulfate	115		80	120		2800	**1409584-07**	2570	200		B409173		09/05/14	09/05/14	2	10	10
B409173-MS2	Chloride	96.0		80	120		100	XXXXXXX-XX	4	100		B409173		09/05/14	09/05/14	0.7	10	10
B409173-MS2	Fluoride	98.0		80	120		11.0	XXXXXXX-XX	1.2	10.0		B409173		09/05/14	09/05/14	0.2	1.0	10
B409173-MS2	Sulfate	97.5		80	120		240	XXXXXXX-XX	45	200		B409173		09/05/14	09/05/14	2	10	10
B409173-MS3	Chloride	95.0		80	120		210	**1409584-02**	20	200		B409173		09/05/14	09/05/14	1	20	20
B409173-MS3	Fluoride	90.0		80	120		19.0	**1409584-02**	1.0	20.0		B409173		09/05/14	09/05/14	0.4	2.0	20
B409173-MS3	Sulfate	102		80	120		2480	**1409584-02**	2070	400		B409173		09/05/14	09/05/14	4	20	20

Matrix Spike Dup - Method EPA 300.0

B409172-MSD1	Chloride	90.0	1.80	80	120	20	560	XXXXXXX-XX	470	100		B409172		09/05/14	09/05/14	0.7	10	10

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409172-MSD1	Fluoride	96.0	0.00	80	120	20	10.0	XXXXXXX-XX	0.4	10.0		B409172		09/05/14	09/05/14	0.2	1.0	10
B409172-MSD1	Sulfate	97.5	0.00	80	120	20	320	XXXXXXX-XX	125	200		B409172		09/05/14	09/05/14	2	10	10
B409172-MSD2	Chloride	100	0.00	80	120	20	28	**1409584-02**	18	10.0		B409172		09/05/14	09/05/14	0.07	1	1
B409172-MSD2	Fluoride	90.0	0.00	80	120	20	1.1	**1409584-02**	0.2	1.00		B409172		09/05/14	09/05/14	0.02	0.1	1
B409172-MSD2	Sulfate	**-1040**		80	120	20	0	**1409584-02**	2070	20.0		B409172		09/05/14	09/05/14	0.2	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409172-MSD3	Chloride	92.0	0.00	80	120	20	110	**1409584-02**	18	100		B409172		09/05/14	09/05/14	0.7	10	10
B409172-MSD3	Fluoride	90.0	0.00	80	120	20	9.0	**1409584-02**	0.2	10.0		B409172		09/05/14	09/05/14	0.2	1.0	10
B409172-MSD3	Sulfate	85.0	0.447	80	120	20	2240	**1409584-02**	2070	200		B409172		09/05/14	09/05/14	2	10	10
B409173-MSD1	Chloride	93.0	0.00	80	120	20	150	**1409584-07**	57	100		B409173		09/05/14	09/05/14	0.7	10	10
B409173-MSD1	Fluoride	97.0	0.00	80	120	20	10.0	**1409584-07**	0.3	10.0		B409173		09/05/14	09/05/14	0.2	1.0	10
B409173-MSD1	Sulfate	105	0.717	80	120	20	2780	**1409584-07**	2570	200		B409173		09/05/14	09/05/14	2	10	10
B409173-MSD2	Chloride	96.0	0.00	80	120	20	100	XXXXXXX-XX	4	100		B409173		09/05/14	09/05/14	0.7	10	10
B409173-MSD2	Fluoride	98.0	0.00	80	120	20	11.0	XXXXXXX-XX	1.2	10.0		B409173		09/05/14	09/05/14	0.2	1.0	10
B409173-MSD2	Sulfate	97.5	0.00	80	120	20	240	XXXXXXX-XX	45	200		B409173		09/05/14	09/05/14	2	10	10
B409173-MSD3	Chloride	95.0	0.00	80	120	20	210	**1409584-02**	20	200		B409173		09/05/14	09/05/14	1	20	20
B409173-MSD3	Fluoride	90.0	0.00	80	120	20	19.0	**1409584-02**	1.0	20.0		B409173		09/05/14	09/05/14	0.4	2.0	20
B409173-MSD3	Sulfate	100	0.404	80	120	20	2470	**1409584-02**	2070	400		B409173		09/05/14	09/05/14	4	20	20

PBW - Method EPA 300.0

B409172-BLK1	Chloride						0					B409172		09/05/14	09/05/14	0.07	1	1
B409172-BLK1	Fluoride						0.0					B409172		09/05/14	09/05/14	0.02	0.1	1
B409172-BLK1	Sulfate						0					B409172		09/05/14	09/05/14	0.2	1	1
B409172-BLK2	Chloride						0					B409172		09/05/14	09/05/14	0.07	1	1
B409172-BLK2	Fluoride						0.0					B409172		09/05/14	09/05/14	0.02	0.1	1
B409172-BLK2	Sulfate						0					B409172		09/05/14	09/05/14	0.2	1	1
B409173-BLK1	Chloride						0					B409173		09/05/14	09/05/14	0.07	1	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409173-BLK1	Fluoride						0.0					B409173		09/05/14	09/05/14	0.02	0.1	1
B409173-BLK1	Sulfate						0					B409173		09/05/14	09/05/14	0.2	1	1
B409173-BLK2	Chloride						0					B409173		09/05/14	09/05/14	0.07	1	1
B409173-BLK2	Fluoride						0.0					B409173		09/05/14	09/05/14	0.02	0.1	1
B409173-BLK2	Sulfate						0					B409173		09/05/14	09/05/14	0.2	1	1
B409173-BLK3	Chloride						0					B409173		09/05/14	09/05/14	0.07	1	1
B409173-BLK3	Fluoride						0.0					B409173		09/05/14	09/05/14	0.02	0.1	1
B409173-BLK3	Sulfate						0					B409173		09/05/14	09/05/14	0.2	1	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 353.2																		
B409502-BLK1	Nitrate + Nitrite, Total						0.01					B409502		09/17/14	09/17/14	0.03	0.1	1
Calibration Blank - Method EPA 353.2																		
4I17023-CCB1	Nitrate + Nitrite, Total						0.01					4I17023		09/17/14	09/17/14			1
Calibration Check - Method EPA 353.2																		
4I17023-CCV1	Nitrate + Nitrite, Total	97.0		90	110		1.0			1.00		4I17023		09/17/14	09/17/14			1
Initial Cal Blank - Method EPA 353.2																		
4I17023-ICB1	Nitrate + Nitrite, Total						0.02					4I17023		09/17/14	09/17/14			1
Initial Cal Check - Method EPA 353.2																		
4I17023-ICV1	Nitrate + Nitrite, Total	98.0		90	110		1.0			1.00		4I17023		09/17/14	09/17/14			1
LCS - Method EPA 353.2																		
B409502-BS1	Nitrate + Nitrite, Total	93.0		90	110		1.9			2.00		B409502		09/17/14	09/17/14	0.03	0.1	1
Matrix Spike - Method EPA 353.2																		
B409502-MS1	Nitrate + Nitrite, Total	95.0		80	120		1.0	**1409584-02**	0	1.00		B409502		09/17/14	09/17/14	0.03	0.1	1
Matrix Spike Dup - Method EPA 353.2																		
B409502-MSD1	Nitrate + Nitrite, Total	97.0	2.08	80	120	20	1.0	**1409584-02**	0	1.00		B409502		09/17/14	09/17/14	0.03	0.1	1

Blank - Method EPA 8260B

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409310-BLK1	1,1,1,2-Tetrachloroethane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,1,1-Trichloroethane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,1,2,2-Tetrachloroethane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,1,2-Trichloroethane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,1,2-Trichlorotrifluoroethane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,1-Dichloroethane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,1-Dichloroethene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,1-Dichloropropene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,2,3-Trichlorobenzene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,2,3-Trichloropropane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,2,4-Trichlorobenzene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,2,4-Trimethylbenzene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,2-Dibromo-3-chloropropane						0.00				Yes	B409310		09/10/14	09/10/14	1.0	1.0	1
B409310-BLK1	1,2-Dibromoethane (EDB)						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,2-Dichlorobenzene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,2-Dichloroethane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,2-Dichloroethane-d4	102		70	130		10.2			10.0	Yes	B409310		09/10/14	09/10/14			1
B409310-BLK1	1,2-Dichloropropane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,3,5-Trimethylbenzene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,3-Dichlorobenzene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,3-Dichloropropane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	1,4-Dichlorobenzene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	2,2-Dichloropropane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	2-Chlorotoluene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	2-Nitropropane						0.00				Yes	B409310		09/10/14	09/10/14	10.0	10.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409310-BLK1	4-Bromofluorobenzene	100		70	130		10.0			10.0	Yes	B409310		09/10/14	09/10/14			1
B409310-BLK1	4-Chlorotoluene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Acetone						0.00				Yes	B409310		09/10/14	09/10/14	10.0	10.0	1
B409310-BLK1	Acrylonitrile						0.00				Yes	B409310		09/10/14	09/10/14	10.0	10.0	1
B409310-BLK1	Benzene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Bromobenzene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Bromochloromethane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Bromodichloromethane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Bromoform						0.00				Yes	B409310		09/10/14	09/10/14	1.0	1.0	1
B409310-BLK1	Bromomethane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Carbon Disulfide						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Carbon Tetrachloride						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Chlorobenzene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Chloroethane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Chloroform						0.00				Yes	B409310		09/10/14	09/10/14	1.0	1.0	1
B409310-BLK1	Chloromethane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	cis-1,2-Dichloroethene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	cis-1,3-Dichloropropene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Cyclohexanone						0.00				Yes	B409310		09/10/14	09/10/14	20.0	20.0	1
B409310-BLK1	Dibromochloromethane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Dibromomethane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Dichlorodifluoromethane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Ethyl Acetate						0.00				Yes	B409310		09/10/14	09/10/14	10.0	10.0	1
B409310-BLK1	Ethyl Ether						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Ethylbenzene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Hexachlorobutadiene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409310-BLK1	Isobutanol						0.00				Yes	B409310		09/10/14	09/10/14	10.0	10.0	1
B409310-BLK1	Isopropylbenzene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Methyl Ethyl Ketone						0.00				Yes	B409310		09/10/14	09/10/14	10.0	10.0	1
B409310-BLK1	Methyl Isobutyl Ketone						0.00				Yes	B409310		09/10/14	09/10/14	10.0	10.0	1
B409310-BLK1	Methylene Chloride						0.00				Yes	B409310		09/10/14	09/10/14	1.0	1.0	1
B409310-BLK1	Methyl-tert-butyl ether (MTBE)						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Naphthalene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	n-Butyl Alcohol						0.00				Yes	B409310		09/10/14	09/10/14	40.0	40.0	1
B409310-BLK1	n-Butylbenzene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Nitrobenzene						0.00				Yes	B409310		09/10/14	09/10/14	20.0	20.0	1
B409310-BLK1	n-Propyl Benzene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	p-Isopropyltoluene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	sec-Butyl Benzene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Styrene						0.00				Yes	B409310		09/10/14	09/10/14	1.0	1.0	1
B409310-BLK1	tert-Butylbenzene						0.00				Yes	B409310		09/10/14	09/10/14	1.0	1.0	1
B409310-BLK1	Tetrachloroethene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Toluene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Toluene-d8	102		70	130		10.2			10.0	Yes	B409310		09/10/14	09/10/14			1
B409310-BLK1	trans-1,2-Dichloroethene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	trans-1,3-Dichloropropene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Trichloroethene						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Trichlorofluoromethane						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Vinyl Chloride						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BLK1	Xylenes, total						0.00				Yes	B409310		09/10/14	09/10/14	0.3	1.0	1

LCS - Method EPA 8260B

B409310-BS1	1,1-Dichloroethene	98.8		70	130		9.88			10.0	Yes	B409310		09/10/14	09/10/14	0.3	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409310-BS1	1,2-Dichloroethane-d4	99.7		70	130		9.97			10.0	Yes	B409310		09/10/14	09/10/14			1
B409310-BS1	4-Bromofluorobenzene	100		70	130		10.0			10.0	Yes	B409310		09/10/14	09/10/14			1
B409310-BS1	Benzene	117		70	130		11.7			10.0	Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BS1	Chlorobenzene	112		70	130		11.2			10.0	Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BS1	Toluene	109		70	130		10.9			10.0	Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
B409310-BS1	Toluene-d8	103		70	130		10.3			10.0	Yes	B409310		09/10/14	09/10/14			1
B409310-BS1	Trichloroethene	114		70	130		11.4			10.0	Yes	B409310		09/10/14	09/10/14	0.3	1.0	1
Matrix Spike - Method EPA 8260B																		
B409310-MS1	1,1-Dichloroethene	96.3		70	130		48.2	**1409584-02**	0	50.0	Yes	B409310		09/10/14	09/10/14	1.5	5.0	1
B409310-MS1	1,2-Dichloroethane-d4	98.3		70	130		49.2	**1409584-02**		50.0	Yes	B409310		09/10/14	09/10/14			1
B409310-MS1	4-Bromofluorobenzene	99.7		70	130		49.8	**1409584-02**		50.0	Yes	B409310		09/10/14	09/10/14			1
B409310-MS1	Benzene	108		70	130		53.8	**1409584-02**	0	50.0	Yes	B409310		09/10/14	09/10/14	1.5	5.0	1
B409310-MS1	Chlorobenzene	101		70	130		50.4	**1409584-02**	0	50.0	Yes	B409310		09/10/14	09/10/14	1.5	5.0	1
B409310-MS1	Toluene	101		70	130		50.6	**1409584-02**	0	50.0	Yes	B409310		09/10/14	09/10/14	1.5	5.0	1
B409310-MS1	Toluene-d8	104		70	130		52.2	**1409584-02**		50.0	Yes	B409310		09/10/14	09/10/14			1
B409310-MS1	Trichloroethene	103		70	130		51.6	**1409584-02**	0	50.0	Yes	B409310		09/10/14	09/10/14	1.5	5.0	1
Matrix Spike Dup - Method EPA 8260B																		
B409310-MSD1	1,1-Dichloroethene	93.0	3.49	70	130	20	46.5	**1409584-02**	0	50.0	Yes	B409310		09/10/14	09/10/14	1.5	5.0	1
B409310-MSD1	1,2-Dichloroethane-d4	96.5		70	130		48.2	**1409584-02**		50.0	Yes	B409310		09/10/14	09/10/14			1
B409310-MSD1	4-Bromofluorobenzene	100		70	130		50.2	**1409584-02**		50.0	Yes	B409310		09/10/14	09/10/14			1
B409310-MSD1	Benzene	109	1.02	70	130	20	54.3	**1409584-02**	0	50.0	Yes	B409310		09/10/14	09/10/14	1.5	5.0	1
B409310-MSD1	Chlorobenzene	105	4.17	70	130	20	52.6	**1409584-02**	0	50.0	Yes	B409310		09/10/14	09/10/14	1.5	5.0	1
B409310-MSD1	Toluene	102	0.493	70	130	20	50.8	**1409584-02**	0	50.0	Yes	B409310		09/10/14	09/10/14	1.5	5.0	1
B409310-MSD1	Toluene-d8	102		70	130		51.1	**1409584-02**		50.0	Yes	B409310		09/10/14	09/10/14			1
B409310-MSD1	Trichloroethene	105	1.44	70	130	20	52.4	**1409584-02**	0	50.0	Yes	B409310		09/10/14	09/10/14	1.5	5.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method SM 2320 B																		
B409126-BLK1	Alkalinity - Bicarbonate (HCO3)						0.0					B409126		09/11/14	09/15/14	0.2	1.0	1
B409126-BLK1	Alkalinity - Carbonate (CO3)						0.0					B409126		09/11/14	09/15/14	0.2	1.0	1
B409126-BLK1	Alkalinity - CO2						0.0					B409126		09/11/14	09/15/14	0.2	1.0	1
B409126-BLK1	Alkalinity - Hydroxide (OH)						0.0					B409126		09/11/14	09/15/14	0.2	1.0	1
B409126-BLK1	Alkalinity - Total (as CaCO3)						0.0					B409126		09/11/14	09/15/14	0.2	1.0	1
B409126-BLK2	Alkalinity - Bicarbonate (HCO3)						0.0					B409126		09/11/14	09/15/14	0.2	1.0	1
B409126-BLK2	Alkalinity - Carbonate (CO3)						0.0					B409126		09/11/14	09/15/14	0.2	1.0	1
B409126-BLK2	Alkalinity - CO2						0.0					B409126		09/11/14	09/15/14	0.2	1.0	1
B409126-BLK2	Alkalinity - Hydroxide (OH)						0.0					B409126		09/11/14	09/15/14	0.2	1.0	1
B409126-BLK2	Alkalinity - Total (as CaCO3)						0.0					B409126		09/11/14	09/15/14	0.2	1.0	1
Calibration Blank - Method SM 2320 B																		
4I15033-CCB1	Alkalinity - Total (as CaCO3)						0.0					4I15033		09/15/14	09/15/14			1
Calibration Check - Method SM 2320 B																		
4I15033-CCV1	Alkalinity - Total (as CaCO3)	101		90	110		2370			2360		4I15033		09/15/14	09/15/14			1
Initial Cal Blank - Method SM 2320 B																		
4I15033-ICB1	Alkalinity - Total (as CaCO3)						0.0					4I15033		09/15/14	09/15/14			1
Initial Cal Check - Method SM 2320 B																		
4I15033-ICV1	Alkalinity - Total (as CaCO3)	101		90	110		2390			2360		4I15033		09/15/14	09/15/14			1
LCS - Method SM 2320 B																		
B409126-BS1	Alkalinity - Total (as CaCO3)	101		90	110		2370			2360		B409126		09/11/14	09/15/14	0.2	1.0	1
B409126-BS2	Alkalinity - Total (as CaCO3)	101		90	110		2380			2360		B409126		09/11/14	09/15/14	0.2	1.0	1
Matrix Spike - Method SM 2320 B																		
B409126-MS1	Alkalinity - Total (as CaCO3)	104		80	120		417	**1409584-02**	368	47.2		B409126		09/11/14	09/15/14	0.2	1.0	1
B409126-MS2	Alkalinity - Total (as CaCO3)	108		80	120		213	XXXXXXX-XX	162	47.2		B409126		09/11/14	09/15/14	0.2	1.0	1
Matrix Spike Dup - Method SM 2320 B																		

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409126-MSD1	Alkalinity - Total (as CaCO3)	102	0.240	80	120	20	416	**1409584-02**	368	47.2		B409126		09/11/14	09/15/14	0.2	1.0	1
B409126-MSD2	Alkalinity - Total (as CaCO3)	104	0.943	80	120	20	211	XXXXXXX-XX	162	47.2		B409126		09/11/14	09/15/14	0.2	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method SM 2540 C																		
B409165-BLK1	Total Dissolved Solids (TDS)						0					B409165		09/05/14	09/05/14	10	10	2
Duplicate - Method SM 2540 C																		
B409165-DUP1	Total Dissolved Solids (TDS)		3.29			20	3290	**1409584-02**	3400			B409165		09/05/14	09/05/14	10	10	2
Reference - Method SM 2540 C																		
B409165-SRM1	Total Dissolved Solids (TDS)	107		90	110		214			200		B409165		09/05/14	09/05/14	10	10	2

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Calibration Blank - Method SM 4500 NH3-D																		
4I12016-CCB1	Ammonia as N						0.05					4I12016		09/11/14	09/11/14			1
Calibration Check - Method SM 4500 NH3-D																		
4I12016-CCV1	Ammonia as N	97.4		90	110		9.7			10.0		4I12016		09/11/14	09/11/14			1
Initial Cal Blank - Method SM 4500 NH3-D																		
4I12016-ICB1	Ammonia as N						0.04					4I12016		09/11/14	09/11/14			1
Initial Cal Check - Method SM 4500 NH3-D																		
4I12016-ICV1	Ammonia as N	101		90	110		10.1			10.0		4I12016		09/11/14	09/11/14			1
LCSW - Method SM 4500 NH3-D																		
B409356-BS1	Ammonia as N	101		90	110		10.1			10.0		B409356		09/11/14	09/11/14	0.03	0.2	1
Matrix Spike - Method SM 4500 NH3-D																		
B409356-MS1	Ammonia as N	97.6		80	120		4.9	**1409584-02**	0.05	5.00		B409356		09/11/14	09/11/14	0.03	0.2	1
Matrix Spike Dup - Method SM 4500 NH3-D																		
B409356-MSD1	Ammonia as N	98.4	0.808	80	120	20	5.0	**1409584-02**	0.05	5.00		B409356		09/11/14	09/11/14	0.03	0.2	1
PBW - Method SM 4500 NH3-D																		
B409356-BLK1	Ammonia as N						0.04					B409356		09/11/14	09/11/14	0.03	0.2	1

CHEMTECH - FORD ANALYTICAL LABORATORY

Ground Water Program

CHAIN OF CUSTODY

Jan Dalla

COMPANY:	Energy Fuels Resources (USA) Inc.	BILLING ADDRESS:	225 Union Boulevard, Suite 600
ADDRESS:	6425 South Highway 191	BILLING CITY/STATE/ZIP:	Lakewood, Colorado 80228
CITY/STATE/ZIP:	Blanding Utah 84511	PURCHASE ORDER #:	
PHONE #:	435-678-4115 FAX:		
CONTACT:	Garrin Palmer PROJECT: White Mesa Mill		
EMAIL:	gpalmer@energyfuels.com, kweinel@energyfuels.com		

CHEMTECH-FORD LABORATORIES

TURNAROUND REQUIRED:* Standard

* Expedited turnaround subject to additional charge

Lab Use Only	CLIENT SAMPLE INFORMATION					TESTS REQUESTED																	Bacteria			
09584	LOCATION / IDENTIFICATION	DATE	TIME	MATRIX	Field: Residual Chlorine	Dissolved Metals (200.7/200.8)*	VOCs (8260B/8260C)*	Fluoride (SM4500-F C/300.0)	Ammonia (as N) (SM4500-NH3 G or 350	Nitrate/Nitrite asn N (353.2)	Carbonate as CACO3 (SM2320 B)	Bicarbonate as CaCO3 (SM2320 B)	Chloride (SM4500-Cl B or SM4500-Cl E or E300.0)	TDS (SM 2540 C)	Sulfate (SM4500-SO4 E or E300.0	Total Anions	Total Cations	C/A Balance	TDS Ratio	TDS Calculated				Total Coliform + E. coli (Present/Absent)	Total Coliform + E. coli (Enumerated)	HPC (Plate Count)	E. Coli Only
	1.																									
-02	2. MW-14_09022014	9/2/2014	1030	6 GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
-03	3. MW-25_09032014	9/3/2014	1200	6 GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
-04	4. MW-26_09042014	9/4/2014	0730	6 GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	5.																									
-05	6. MW-31_09032014	9/3/2014	1400	6 GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
-06	7. MW-35_09032014	9/3/2014	1500	6 GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
-07	8. MW-36_09032014	9/3/2014	1325	6 GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X						
	9.																									
-08	10 Trip Blank	9/2/2014					X																			
	11 Temp Blank	9/4/2014																								

Sampled by: Tanner Holliday [signature] Sampled by: [signature] [signature]

ON ICE NOT ON ICE Temp (C°): 1.8

Samples received outside the EPA recommended temperature range of 0-6 C° may be rejected.

Special Instructions: All metals samples are field filtered unless otherwise noted. PDF Data packages are to be sent to Garrin Palmer and Kathy Weinel. * = See attached analyte list.

Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
[signature]	9/4/2014 1000	[signature]	9/5/14 9:45
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time

CHEMTECH-FORD
9632 South 500 West
Sandy, UT 84070

801.262.7299 PHONE
866.792.0093 FAX
www.chemtechford.com

Payment Terms are net 30 days OAC. 1.5% interest charge per month (18% per annum). Client agrees to pay collection costs and attorney's fees.

Fed Ex
8032 7122 3657

CHEMTECH FORD LABORATORIES

Sample Receipt

CHEMTECH-FORD LABORATORIES

Work Order # 09584

Delivery Method:

- ☐ UPS
- ☐ USPS
- ☑ FedEx
- ☐ Chemtech Courier
- ☐ Walk-in
- ☐ Courier

Receiving Temperature 1.8 °C

Sample #	Container	Chemtech Lot # or Preservative	Number of Subsamples	Preserved by Client/Third Party	Preserved in Receiving/Laboratory	Filtered in Field by Client	Misc Volume (ml/ml)	Comments
-01	M	307						
-02	AQ							
	M	317						
	N	318						
	W 1-3	298						
-03	AQ							
	M	307						
	N	292						
	W 1-3	298						
-04	AQ							
	M	317						
	N	318						
	W 1-3	298						
-05	AQ							
	M	307						
	N	292						
	W 1-3	298						
-06	AQ							
	M	307						
	N	292						
	W 1-3	298						
-07	AQ							
	M	307						
	N	lot # Unreadable						

W1-3 298

Sample Condition (check if yes)

- ☑ Custody Seals
- ☑ Containers Intact
- ☑ COC/Labels Agree
- ☑ Preservation Confirmed
- ☑ Received on Ice
- ☑ Correct Containers(s)
- ☑ Sufficient Sample Volume
- ☐ Headspace Present (VOC)
- ☑ Temperature Blank
- ☑ Received within Holding Time

Plastic Containers

- A- Plastic Unpreserved
- B- Miscellaneous Plastic
- C- Cyanide Qt (NaOH)
- F- Sulfide Qt (Zn Acetate)
- L- Mercury 1631
- M- Metals Pint (HNO3)
- N- Nutrient Pint (H2SO4)
- R- Radiological (HNO3)
- S- Sludge Cups/Tubs
- Q- Plastic Bag
- E- Coliform/Ecoli

Glass Containers

- D- 625 (Na2S2O3)
- G- Glass Unpreserved
- H- HAAs (NH4Cl)
- I- 508/515/525 (Na2SO3)
- K- 515.3 Herbicides
- O- Oil & Grease (HCl)
- P- Phenols (H2SO4)
- T- TOC/TOX (H3PO4)
- U- 531 (MCAA, Na2S2O3)
- V 524/THMs (Ascorbic Acid)
- W- 8260 VOC (1:1 HCl)
- X- Vial Unpreserved
- Y- 624/504 (Na2S2O3)
- Z- Miscellaneous Glass

CHEMTECH - FORD ANALYTICAL LABORATORY

Ground Water Program

CHAIN OF CUSTODY

Jan Dalla

COMPANY:	Energy Fuels Resources (USA) Inc	BILLING ADDRESS:	225 Union Boulevard, Suite 600
ADDRESS:	6425 South Highway 191	BILLING CITY/STATE/ZIP:	Lakewood, Colorado 80228
CITY/STATE/ZIP:	Blanding Utah 84511	PURCHASE ORDER #:	
PHONE #:	435-678-4115 FAX:		
CONTACT:	Garrin Palmer PROJECT: White Mesa Mill		
EMAIL:	gpalmer@energyfuels.com, kweinel@energyfuels.com		

CHEMTECH-FORD LABORATORIES

TURNAROUND REQUIRED:* Standard

* Expedited turnaround subject to additional charge

Lab Use Only	CLIENT SAMPLE INFORMATION					TESTS REQUESTED															Bacteria			
09584	LOCATION / IDENTIFICATION	DATE	TIME	MATRIX	Field: Residual Chlorine	Dissolved Manganese (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Fluoride (SM4500-F C/300.0)	Dissolved Uranium (200.7/200.8)	Nitrate/Nitrite asn N (353.2)	VOCs (8260B/8260C) Tetrahydrofuran	Chloride (SM4500-Cl B or SM4500-Cl E or E300.0)	Dissolved Selenium (200.7/200.8)	TDS (SM 2540 C)	Sulfate (SM4500-SO4 E or E300.0	Dissolved Thallium (200.7/200.8)	Dissolved Vanadium (200.7/200.8)					Total Coliform + E coli (Present/Absent)	Total Coliform + E coli (Enumerated)	HPC (Plate Count)	E Coli Only
	1.																							
	2.																							
	3.																							
	4.																							
-01	5. MW-15_09022014	9/2/2014	1540	1 GW									X											
	6.																							
	7.																							
	8.																							
	9.																							
	10.																							
	11.																							
	12.																							
	13.																							
	14.																							

Sampled by: Tanner Holliday Sampled by: [signature] Tanner Holliday

ON ICE NOT ON ICE Temp (C°): 1.8

Special Instructions: All metals samples are field filtered unless otherwise noted. PDF Data packages are to be sent to Garrin Palmer and Kathy Weinel.

Samples received outside the EPA recommended temperature range of 0-6 C° may be rejected.

Relinquished by: [signature] Tanner Holliday	Date/Time 9/4/2014 1000	Received by: [signature]	Date/Time 9/5/14 9:45
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time

CHEMTECH-FORD
9632 South 500 West
Sandy, UT 84070

801.262.7299 PHONE
866.792.0093 FAX
www.chemtechford.com

Payment Terms are net 30 days OAC. 1.5% interest charge per month (18% per annum). Client agrees to pay collection costs and attorney's fees.

FedEx TRK# 0200 8032 7122 3657

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Report Footnotes

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.
1 mg/L = one milligram per liter or 1 mg/Kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.

Flag Descriptions

9632 South 500 West
Sandy, UT 84070
801-262-7299 Office

CHEMTECH-FORD
LABORATORIES

10/10/2014

Work Order: 1410333

Energy Fuels

Attn: Garrin Palmer

6425 South Highway 191

Blanding, UT 84511

Client Service Contact: 801.262.7299

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.

Approved By:

Dave Gayer, Laboratory Director

CHEMTECH-FORD
LABORATORIES

Case Narrative for Sample Delivery Group - 1410333

Energy Fuels

SampleID	SampleName	Matrix	Sampled	Received
1410333-01	MW-19_09112014	Water	09/11/2014	09/19/2014
1410333-02	MW-03_09162014	Water	09/16/2014	09/19/2014
1410333-03	MW-03A_09172014	Water	09/17/2014	09/19/2014
1410333-04	MW-05_09112014	Water	09/11/2014	09/19/2014
1410333-05	MW-24_09172014	Water	09/17/2014	09/19/2014
1410333-06	MW-28_09162014	Water	09/16/2014	09/19/2014
1410333-07	MW-37_09172014	Water	09/17/2014	09/19/2014
1410333-08	Trip Blank	Water	09/17/2014	09/19/2014
1410333-09	MW-70_09172014	Water	09/17/2014	09/19/2014

Method Blanks

All method blanks were below the Minimum Reporting Limit (MRL).

Laboratory Control Samples

All Laboratory Control Sample (LCS) recoveries were within laboratory control limits.

Holding Times

All preparations and analyses were performed within holding times

Matrix Spike/Matrix Spike Duplicate

All Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries were within control except where noted on the QC report.

Surrogates

All surrogates were within laboratory control limits.

Analytical Summary - 1410333

Lab ID: 1410333-01
Client ID: MW-19_09112014
Matrix: Water

Analyses
EPA 353.2

Lab ID: 1410333-02
Client ID: MW-03_09162014
Matrix: Water

Analyses
EPA 200.8
EPA 300.0
EPA 353.2

Lab ID: 1410333-03
Client ID: MW-03A_09172014
Matrix: Water

Analyses
EPA 200.8
EPA 300.0
EPA 353.2
SM 2540 C

Lab ID: 1410333-04
Client ID: MW-05_09112014
Matrix: Water

Analyses
EPA 200.8

Lab ID: 1410333-05
Client ID: MW-24_09172014
Matrix: Water

Analyses
EPA 200.8
EPA 300.0

Lab ID: 1410333-06
Client ID: MW-28_09162014
Matrix: Water

Analyses
EPA 200.7
EPA 200.8
EPA 300.0

Lab ID: 1410333-07

Client ID: MW-37_09172014

Matrix: Water

Analyses

EPA 200.7
EPA 200.8
EPA 245.1
EPA 300.0
EPA 353.2
EPA 8260B
SM 1030 E
SM 2320 B
SM 2340 B
SM 2540 C
SM 4500 NH3-D

Lab ID: 1410333-08

Client ID: Trip Blank

Matrix: Water

Analyses

EPA 8260B

Lab ID: 1410333-09

Client ID: MW-70_09172014

Matrix: Water

Analyses

EPA 200.7
EPA 200.8
EPA 245.1
EPA 300.0
EPA 353.2
EPA 8260B
SM 1030 E
SM 2320 B
SM 2340 B
SM 2540 C
SM 4500 NH3-D

QC Summary for Sample Delivery Group - 1410333

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 200.7																		
B409784-BLK1	Calcium, Dissolved						0.03					B409784		09/26/14	09/26/14	0.00	0.2	1
B409784-BLK1	Iron, Dissolved						0.0004					B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-BLK1	Magnesium, Dissolved						-0.000					B409784		09/26/14	09/26/14	0.01	0.2	1
B409784-BLK1	Manganese, Dissolved						-0.000					B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-BLK1	Potassium, Dissolved						-0.03					B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-BLK1	Sodium, Dissolved						0.01					B409784		09/26/14	09/26/14	0.02	0.5	1
B409784-BLK1	Tin, Dissolved						-0.001					B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-BLK1	Zinc, Dissolved						-0.000					B409784		09/26/14	09/26/14	0.00	0.01	1
Calibration Blank - Method EPA 200.7																		
4I26009-CCB1	Calcium, Dissolved						0.009					4I26009		09/26/14	09/26/14			1
4I26009-CCB1	Iron, Dissolved						-0.000					4I26009		09/26/14	09/26/14			1
4I26009-CCB1	Magnesium, Dissolved						0.001					4I26009		09/26/14	09/26/14			1
4I26009-CCB1	Manganese, Dissolved						0.0002					4I26009		09/26/14	09/26/14			1
4I26009-CCB1	Potassium, Dissolved						0.009					4I26009		09/26/14	09/26/14			1
4I26009-CCB1	Sodium, Dissolved						0.1					4I26009		09/26/14	09/26/14			1
4I26009-CCB1	Tin, Dissolved						0.006					4I26009		09/26/14	09/26/14			1
4I26009-CCB1	Zinc, Dissolved						-0.000					4I26009		09/26/14	09/26/14			1
4I26009-CCB2	Calcium, Dissolved						0.01					4I26009		09/26/14	09/26/14			1
4I26009-CCB2	Iron, Dissolved						-0.001					4I26009		09/26/14	09/26/14			1
4I26009-CCB2	Magnesium, Dissolved						0.01					4I26009		09/26/14	09/26/14			1
4I26009-CCB2	Manganese, Dissolved						0.0002					4I26009		09/26/14	09/26/14			1
4I26009-CCB2	Potassium, Dissolved						0.02					4I26009		09/26/14	09/26/14			1
4I26009-CCB2	Sodium, Dissolved						0.2					4I26009		09/26/14	09/26/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I26009-CCB2	Tin, Dissolved						0.005					4I26009		09/26/14	09/26/14			1
4I26009-CCB2	Zinc, Dissolved						0.0004					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Calcium, Dissolved						0.008					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Iron, Dissolved						-0.001					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Magnesium, Dissolved						0.01					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Manganese, Dissolved						0.0002					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Potassium, Dissolved						-0.01					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Sodium, Dissolved						0.08					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Tin, Dissolved						0.004					4I26009		09/26/14	09/26/14			1
4I26009-CCB3	Zinc, Dissolved						0.0000					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Calcium, Dissolved						0.01					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Iron, Dissolved						-0.001					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Magnesium, Dissolved						0.01					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Manganese, Dissolved						0.0000					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Potassium, Dissolved						-0.02					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Sodium, Dissolved						0.2					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Tin, Dissolved						-0.001					4I26009		09/26/14	09/26/14			1
4I26009-CCB4	Zinc, Dissolved						0.001					4I26009		09/26/14	09/26/14			1

Calibration Check - Method EPA 200.7

4I26009-CCV1	Calcium, Dissolved	103		90	110		2.1			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV1	Iron, Dissolved	105		90	110		2.10			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV1	Magnesium, Dissolved	103		90	110		2.1			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV1	Manganese, Dissolved	98.4		90	110		1.97			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV1	Potassium, Dissolved	101		90	110		20.3			20.0		4I26009		09/26/14	09/26/14			1
4I26009-CCV1	Sodium, Dissolved	98.2		90	110		19.6			20.0		4I26009		09/26/14	09/26/14			1
4I26009-CCV1	Tin, Dissolved	102		90	110		2.03			2.00		4I26009		09/26/14	09/26/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I26009-CCV1	Zinc, Dissolved	103		90	110		2.05			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Calcium, Dissolved	103		90	110		2.1			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Iron, Dissolved	103		90	110		2.07			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Magnesium, Dissolved	102		90	110		2.0			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Manganese, Dissolved	98.2		90	110		1.96			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Potassium, Dissolved	101		90	110		20.2			20.0		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Sodium, Dissolved	98.9		90	110		19.8			20.0		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Tin, Dissolved	96.4		90	110		1.93			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV2	Zinc, Dissolved	102		90	110		2.03			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Calcium, Dissolved	100		90	110		2.0			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Iron, Dissolved	102		90	110		2.04			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Magnesium, Dissolved	99.8		90	110		2.0			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Manganese, Dissolved	98.1		90	110		1.96			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Potassium, Dissolved	101		90	110		20.2			20.0		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Sodium, Dissolved	97.9		90	110		19.6			20.0		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Tin, Dissolved	94.9		90	110		1.90			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV3	Zinc, Dissolved	101		90	110		2.01			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Calcium, Dissolved	100		90	110		2.0			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Iron, Dissolved	101		90	110		2.03			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Magnesium, Dissolved	100		90	110		2.0			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Manganese, Dissolved	97.8		90	110		1.96			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Potassium, Dissolved	101		90	110		20.1			20.0		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Sodium, Dissolved	99.3		90	110		19.9			20.0		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Tin, Dissolved	92.9		90	110		1.86			2.00		4I26009		09/26/14	09/26/14			1
4I26009-CCV4	Zinc, Dissolved	99.5		90	110		1.99			2.00		4I26009		09/26/14	09/26/14			1

Initial Cal Blank - Method EPA 200.7

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I26009-ICB1	Calcium, Dissolved						0.02					4I26009		09/26/14	09/26/14			1
4I26009-ICB1	Iron, Dissolved						0.007					4I26009		09/26/14	09/26/14			1
4I26009-ICB1	Magnesium, Dissolved						0.01					4I26009		09/26/14	09/26/14			1
4I26009-ICB1	Manganese, Dissolved						0.0001					4I26009		09/26/14	09/26/14			1
4I26009-ICB1	Potassium, Dissolved						0.005					4I26009		09/26/14	09/26/14			1
4I26009-ICB1	Sodium, Dissolved						0.02					4I26009		09/26/14	09/26/14			1
4I26009-ICB1	Tin, Dissolved						0.0006					4I26009		09/26/14	09/26/14			1
4I26009-ICB1	Zinc, Dissolved						0.0006					4I26009		09/26/14	09/26/14			1
Initial Cal Check - Method EPA 200.7																		
4I26009-ICV1	Calcium, Dissolved	103		95	105		2.1			2.00		4I26009		09/26/14	09/26/14			1
4I26009-ICV1	Iron, Dissolved	104		95	105		2.07			2.00		4I26009		09/26/14	09/26/14			1
4I26009-ICV1	Magnesium, Dissolved	99.8		95	105		2.0			2.00		4I26009		09/26/14	09/26/14			1
4I26009-ICV1	Manganese, Dissolved	98.4		95	105		1.97			2.00		4I26009		09/26/14	09/26/14			1
4I26009-ICV1	Potassium, Dissolved	102		95	105		20.4			20.0		4I26009		09/26/14	09/26/14			1
4I26009-ICV1	Sodium, Dissolved	98.3		95	105		19.7			20.0		4I26009		09/26/14	09/26/14			1
4I26009-ICV1	Tin, Dissolved	103		95	105		2.07			2.00		4I26009		09/26/14	09/26/14			1
4I26009-ICV1	Zinc, Dissolved	100		95	105		2.01			2.00		4I26009		09/26/14	09/26/14			1
LCS - Method EPA 200.7																		
B409784-BS1	Calcium, Dissolved	93.2		85	115		9.5			10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
B409784-BS1	Iron, Dissolved	86.4		85	115		0.17			0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-BS1	Magnesium, Dissolved	101		85	115		10.3			10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
B409784-BS1	Manganese, Dissolved	88.9		85	115		0.178			0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-BS1	Potassium, Dissolved	94.6		85	115		7.6			8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-BS1	Sodium, Dissolved	96.9		85	115		9.7			10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
B409784-BS1	Tin, Dissolved	101		85	155		0.20			0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-BS1	Zinc, Dissolved	85.0		85	115		0.17			0.200		B409784		09/26/14	09/26/14	0.00	0.01	1

Matrix Spike - Method EPA 200.7

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409784-MS1	Calcium, Dissolved	126		70	130		57.2	XXXXXXX-XX	44.3	10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
B409784-MS1	Iron, Dissolved	108		70	130		0.22	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MS1	Magnesium, Dissolved	108		70	130		21.4	XXXXXXX-XX	10.4	10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
B409784-MS1	Manganese, Dissolved	103		70	130		0.207	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MS1	Potassium, Dissolved	99.3		70	130		9.2	XXXXXXX-XX	1.3	8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-MS1	Sodium, Dissolved	103		70	130		16.8	XXXXXXX-XX	6.5	10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
B409784-MS1	Tin, Dissolved	99.8		70	130		0.21	XXXXXXX-XX	0.008	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MS1	Zinc, Dissolved	107		70	130		0.22	XXXXXXX-XX	0.009	0.200		B409784		09/26/14	09/26/14	0.00	0.01	1
B409784-MS2	Calcium, Dissolved	**-35.0**		70	130		399	**1410333-07**	403	10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MS2	Iron, Dissolved	90.7		70	130		0.18	**1410333-07**	0	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MS2	Magnesium, Dissolved	95.9		70	130		131	**1410333-07**	121	10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
B409784-MS2	Manganese, Dissolved	92.6		70	130		0.190	**1410333-07**	0.005	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MS2	Potassium, Dissolved	99.4		70	130		22.2	**1410333-07**	14.3	8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-MS2	Sodium, Dissolved	**-55.1**		70	130		469	**1410333-07**	475	10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MS2	Tin, Dissolved	93.2		70	130		0.22	**1410333-07**	0.03	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MS2	Zinc, Dissolved	87.8		70	130		0.19	**1410333-07**	0.01	0.200		B409784		09/26/14	09/26/14	0.00	0.01	1
B409784-MS3	Calcium, Dissolved	121		70	130		49.2	XXXXXXX-XX	36.8	10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
B409784-MS3	Iron, Dissolved	109		70	130		0.27	XXXXXXX-XX	0.06	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MS3	Magnesium, Dissolved	99.4		70	130		21.1	XXXXXXX-XX	10.9	10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
B409784-MS3	Manganese, Dissolved	96.8		70	130		0.268	XXXXXXX-XX	0.074	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MS3	Potassium, Dissolved	97.2		70	130		13.7	XXXXXXX-XX	6.0	8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-MS3	Sodium, Dissolved	85.7		70	130		551	XXXXXXX-XX	542	10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
B409784-MS3	Tin, Dissolved	93.6		70	130		0.20	XXXXXXX-XX	0.02	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MS3	Zinc, Dissolved	104		70	130		0.21	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.01	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409784-MS4	Calcium, Dissolved	**-189**		70	130		164	XXXXXXX-XX	183	10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MS4	Iron, Dissolved	75.1		70	130		0.36	XXXXXXX-XX	0.21	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MS4	Magnesium, Dissolved	**-26.8**		70	130		69.7	XXXXXXX-XX	72.5	10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MS4	Manganese, Dissolved	91.0		70	130		0.262	XXXXXXX-XX	0.080	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MS4	Potassium, Dissolved	76.7		70	130		13.6	XXXXXXX-XX	7.5	8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-MS4	Sodium, Dissolved	**-167**		70	130		156	XXXXXXX-XX	173	10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MS4	Tin, Dissolved	88.8		70	130		0.19	XXXXXXX-XX	0.02	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MS4	Zinc, Dissolved	89.2		70	130		0.18	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.01	1

Matrix Spike Dup - Method EPA 200.7

B409784-MSD1	Calcium, Dissolved	**146**	3.58	70	130	20	59.3	XXXXXXX-XX	44.3	10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MSD1	Iron, Dissolved	111	2.00	70	130	20	0.22	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MSD1	Magnesium, Dissolved	113	2.14	70	130	20	21.8	XXXXXXX-XX	10.4	10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
B409784-MSD1	Manganese, Dissolved	102	1.33	70	130	20	0.204	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MSD1	Potassium, Dissolved	103	2.97	70	130	20	9.5	XXXXXXX-XX	1.3	8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-MSD1	Sodium, Dissolved	104	0.240	70	130	20	16.8	XXXXXXX-XX	6.5	10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
B409784-MSD1	Tin, Dissolved	91.4	8.37	70	130	20	0.19	XXXXXXX-XX	0.008	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MSD1	Zinc, Dissolved	108	1.21	70	130	20	0.23	XXXXXXX-XX	0.009	0.200		B409784		09/26/14	09/26/14	0.00	0.01	1
B409784-MSD2	Calcium, Dissolved	**263**	7.34	70	130	20	430	**1410333-07**	403	10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MSD2	Iron, Dissolved	97.4	7.11	70	130	20	0.19	**1410333-07**	0	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MSD2	Magnesium, Dissolved	**180**	6.32	70	130	20	139	**1410333-07**	121	10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MSD2	Manganese, Dissolved	99.3	6.86	70	130	20	0.203	**1410333-07**	0.005	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MSD2	Potassium, Dissolved	114	5.07	70	130	20	23.4	**1410333-07**	14.3	8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-MSD2	Sodium, Dissolved	**287**	7.04	70	130	20	504	**1410333-07**	475	10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409784-MSD2	Tin, Dissolved	87.3	5.57	70	130	20	0.21	**1410333-07**	0.03	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MSD2	Zinc, Dissolved	95.4	7.68	70	130	20	0.21	**1410333-07**	0.01	0.200		B409784		09/26/14	09/26/14	0.00	0.01	1
B409784-MSD3	Calcium, Dissolved	127	1.25	70	130	20	49.8	XXXXXXX-XX	36.8	10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
B409784-MSD3	Iron, Dissolved	101	6.26	70	130	20	0.26	XXXXXXX-XX	0.06	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MSD3	Magnesium, Dissolved	98.0	0.706	70	130	20	20.9	XXXXXXX-XX	10.9	10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
B409784-MSD3	Manganese, Dissolved	94.4	1.74	70	130	20	0.263	XXXXXXX-XX	0.074	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MSD3	Potassium, Dissolved	93.9	1.94	70	130	20	13.5	XXXXXXX-XX	6.0	8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-MSD3	Sodium, Dissolved	**242**	2.80	70	130	20	566	XXXXXXX-XX	542	10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MSD3	Tin, Dissolved	90.6	3.00	70	130	20	0.20	XXXXXXX-XX	0.02	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MSD3	Zinc, Dissolved	101	2.81	70	130	20	0.20	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.01	1
B409784-MSD4	Calcium, Dissolved	**-97.4**	5.56	70	130	20	174	XXXXXXX-XX	183	10.2		B409784		09/26/14	09/26/14	0.00	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MSD4	Iron, Dissolved	83.8	4.72	70	130	20	0.38	XXXXXXX-XX	0.21	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MSD4	Magnesium, Dissolved	**4.24**	4.44	70	130	20	72.9	XXXXXXX-XX	72.5	10.2		B409784		09/26/14	09/26/14	0.01	0.2	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MSD4	Manganese, Dissolved	94.8	2.89	70	130	20	0.270	XXXXXXX-XX	0.080	0.200		B409784		09/26/14	09/26/14	0.00	0.00	1
B409784-MSD4	Potassium, Dissolved	85.0	4.76	70	130	20	14.3	XXXXXXX-XX	7.5	8.00		B409784		09/26/14	09/26/14	0.04	0.5	1
B409784-MSD4	Sodium, Dissolved	**-93.6**	4.59	70	130	20	163	XXXXXXX-XX	173	10.0		B409784		09/26/14	09/26/14	0.02	0.5	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409784-MSD4	Tin, Dissolved	94.1	5.31	70	130	20	0.20	XXXXXXX-XX	0.02	0.200		B409784		09/26/14	09/26/14	0.00	0.02	1
B409784-MSD4	Zinc, Dissolved	93.6	4.77	70	130	20	0.19	XXXXXXX-XX	0	0.200		B409784		09/26/14	09/26/14	0.00	0.01	1

Blank - Method EPA 200.8

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409777-BLK1	Arsenic, Dissolved						0.0000					B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BLK1	Beryllium, Dissolved						0.0000					B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BLK1	Cadmium, Dissolved						0.0000					B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BLK1	Chromium, Dissolved						-0.000					B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BLK1	Cobalt, Dissolved						-0.000					B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BLK1	Copper, Dissolved						-0.000					B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BLK1	Lead, Dissolved						0.0000					B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BLK1	Molybdenum, Dissolved						0.0000					B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BLK1	Nickel, Dissolved						-0.000					B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BLK1	Selenium, Dissolved						-0.000					B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BLK1	Silver, Dissolved						0.0000					B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BLK1	Thallium, Dissolved						0.0000					B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BLK1	Uranium, Dissolved						0.0000					B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BLK1	Vanadium, Dissolved						0.0000					B409777		09/26/14	09/29/14	0.00	0.00	1
B409779-BLK1	Arsenic, Dissolved						-0.000					B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BLK1	Beryllium, Dissolved						0.0000					B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BLK1	Cadmium, Dissolved						0.0000					B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BLK1	Chromium, Dissolved						-0.000					B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BLK1	Cobalt, Dissolved						-0.000					B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BLK1	Copper, Dissolved						0.0000					B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BLK1	Lead, Dissolved						0.0000					B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BLK1	Molybdenum, Dissolved						0.0000					B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BLK1	Nickel, Dissolved						0.0000					B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BLK1	Selenium, Dissolved						-0.000					B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BLK1	Silver, Dissolved						0.0000					B409779		09/26/14	09/29/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409779-BLK1	Thallium, Dissolved						0.0000					B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BLK1	Uranium, Dissolved						0.0000					B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BLK1	Vanadium, Dissolved						0.0000					B409779		09/26/14	09/29/14	0.00	0.00	1

Calibration Blank - Method EPA 200.8

4I26006-CCB1	Arsenic, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB1	Beryllium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB1	Cadmium, Dissolved						0.00					4I26006		09/26/14	09/29/14			1
4I26006-CCB1	Chromium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB1	Cobalt, Dissolved						-0.000					4I26006		09/26/14	09/29/14			1
4I26006-CCB1	Copper, Dissolved						-0.000					4I26006		09/26/14	09/29/14			1
4I26006-CCB1	Lead, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB1	Molybdenum, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB1	Nickel, Dissolved						-0.000					4I26006		09/26/14	09/29/14			1
4I26006-CCB1	Selenium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB1	Silver, Dissolved						0.0001					4I26006		09/26/14	09/29/14			1
4I26006-CCB1	Thallium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB1	Uranium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB1	Vanadium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB2	Arsenic, Dissolved						0.0004					4I26006		09/26/14	09/29/14			1
4I26006-CCB2	Beryllium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB2	Cadmium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB2	Chromium, Dissolved						0.0002					4I26006		09/26/14	09/29/14			1
4I26006-CCB2	Cobalt, Dissolved						-0.000					4I26006		09/26/14	09/29/14			1
4I26006-CCB2	Copper, Dissolved						0.0005					4I26006		09/26/14	09/29/14			1
4I26006-CCB2	Lead, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB2	Molybdenum, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I26006-CCB2	Nickel, Dissolved						-0.000					4I26006		09/26/14	09/29/14			1
4I26006-CCB2	Silver, Dissolved						0.0002					4I26006		09/26/14	09/29/14			1
4I26006-CCB2	Thallium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB2	Uranium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB2	Vanadium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB3	Arsenic, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB3	Beryllium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB3	Cadmium, Dissolved						0.00					4I26006		09/26/14	09/29/14			1
4I26006-CCB3	Chromium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB3	Cobalt, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB3	Copper, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB3	Lead, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB3	Molybdenum, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB3	Nickel, Dissolved						0.0002					4I26006		09/26/14	09/29/14			1
4I26006-CCB3	Selenium, Dissolved						0.0002					4I26006		09/26/14	09/29/14			1
4I26006-CCB3	Silver, Dissolved						0.0001					4I26006		09/26/14	09/29/14			1
4I26006-CCB3	Thallium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB3	Uranium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB3	Vanadium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB4	Arsenic, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB4	Beryllium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB4	Cadmium, Dissolved						0.00					4I26006		09/26/14	09/29/14			1
4I26006-CCB4	Chromium, Dissolved						-0.000					4I26006		09/26/14	09/29/14			1
4I26006-CCB4	Cobalt, Dissolved						0.00					4I26006		09/26/14	09/29/14			1
4I26006-CCB4	Copper, Dissolved						-0.000					4I26006		09/26/14	09/29/14			1
4I26006-CCB4	Lead, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I26006-CCB4	Molybdenum, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB4	Nickel, Dissolved						-0.000					4I26006		09/26/14	09/29/14			1
4I26006-CCB4	Selenium, Dissolved						-0.000					4I26006		09/26/14	09/29/14			1
4I26006-CCB4	Silver, Dissolved						0.0002					4I26006		09/26/14	09/29/14			1
4I26006-CCB4	Thallium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB4	Uranium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-CCB4	Vanadium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I30003-CCB1	Arsenic, Dissolved						0.0000					4I30003		09/30/14	09/30/14			1
4I30003-CCB1	Copper, Dissolved						-0.000					4I30003		09/30/14	09/30/14			1
4I30003-CCB1	Molybdenum, Dissolved						0.0000					4I30003		09/30/14	09/30/14			1
4I30003-CCB1	Selenium, Dissolved						0.0000					4I30003		09/30/14	09/30/14			1
4I30003-CCB2	Arsenic, Dissolved						0.0000					4I30003		09/30/14	09/30/14			1
4I30003-CCB2	Copper, Dissolved						-0.000					4I30003		09/30/14	09/30/14			1
4I30003-CCB2	Molybdenum, Dissolved						0.0000					4I30003		09/30/14	09/30/14			1
4I30003-CCB2	Selenium, Dissolved						0.0000					4I30003		09/30/14	09/30/14			1
4I30003-CCB3	Arsenic, Dissolved						0.0000					4I30003		09/30/14	09/30/14			1
4I30003-CCB3	Copper, Dissolved						0.0000					4I30003		09/30/14	09/30/14			1
4I30003-CCB3	Molybdenum, Dissolved						0.0000					4I30003		09/30/14	09/30/14			1
4I30003-CCB3	Selenium, Dissolved						0.0001					4I30003		09/30/14	09/30/14			1
4I30003-CCB4	Arsenic, Dissolved						0.0001					4I30003		09/30/14	09/30/14			1
4I30003-CCB4	Copper, Dissolved						0.0001					4I30003		09/30/14	09/30/14			1
4I30003-CCB4	Molybdenum, Dissolved						0.0000					4I30003		09/30/14	09/30/14			1
4I30003-CCB4	Selenium, Dissolved						0.0004					4I30003		09/30/14	09/30/14			1
4I30003-CCB5	Molybdenum, Dissolved						0.0000					4I30003		09/30/14	09/30/14			1
4I30003-CCB6	Molybdenum, Dissolved						0.0000					4I30003		09/30/14	09/30/14			1

Calibration Check - Method EPA 200.8

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I26006-CCV1	Arsenic, Dissolved	105		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV1	Beryllium, Dissolved	**114**		90	110		0.046			0.0400		4I26006		09/26/14	09/29/14			1
HB - Recovery for this parameter exceeded the upper acceptance limit. Associated sample(s) were all non-detect and therefore accepted and reported for this parameter.																		
4I26006-CCV1	Cadmium, Dissolved	97.1		90	110		0.039			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV1	Chromium, Dissolved	104		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV1	Cobalt, Dissolved	104		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV1	Copper, Dissolved	104		90	110		0.041			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV1	Lead, Dissolved	98.6		90	110		0.039			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV1	Molybdenum, Dissolved	91.4		90	110		0.037			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV1	Nickel, Dissolved	105		90	110		0.0420			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV1	Selenium, Dissolved	101		90	110		0.040			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV1	Silver, Dissolved	107		90	110		0.043			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV1	Thallium, Dissolved	95.3		90	110		0.038			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV1	Uranium, Dissolved	102		90	110		0.041			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV1	Vanadium, Dissolved	106		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV2	Arsenic, Dissolved	109		90	110		0.043			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV2	Beryllium, Dissolved	**116**		90	110		0.046			0.0400		4I26006		09/26/14	09/29/14			1
HB - Recovery for this parameter exceeded the upper acceptance limit. Associated sample(s) were all non-detect and therefore accepted and reported for this parameter.																		
4I26006-CCV2	Cadmium, Dissolved	93.5		90	110		0.037			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV2	Chromium, Dissolved	106		90	110		0.043			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV2	Cobalt, Dissolved	108		90	110		0.043			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV2	Copper, Dissolved	108		90	110		0.043			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV2	Lead, Dissolved	101		90	110		0.040			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV2	Nickel, Dissolved	109		90	110		0.0437			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV2	Selenium, Dissolved	106		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV2	Silver, Dissolved	**114**		90	110		0.046			0.0400		4I26006		09/26/14	09/29/14			1
HB - Recovery for this parameter exceeded the upper acceptance limit. Associated sample(s) were all non-detect and therefore accepted and reported for this parameter.																		
4I26006-CCV2	Thallium, Dissolved	97.1		90	110		0.039			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV2	Uranium, Dissolved	106		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I26006-CCV2	Vanadium, Dissolved	109		90	110		0.044			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV3	Arsenic, Dissolved	105		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV3	Beryllium, Dissolved	**113**		90	110		0.045			0.0400		4I26006		09/26/14	09/29/14			1
HB - Recovery for this parameter exceeded the upper acceptance limit. Associated sample(s) were all non-detect and therefore accepted and reported for this parameter.																		
4I26006-CCV3	Cadmium, Dissolved	96.1		90	110		0.038			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV3	Chromium, Dissolved	103		90	110		0.041			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV3	Cobalt, Dissolved	105		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV3	Copper, Dissolved	106		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV3	Lead, Dissolved	100		90	110		0.040			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV3	Molybdenum, Dissolved	92.6		90	110		0.037			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV3	Nickel, Dissolved	107		90	110		0.0428			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV3	Selenium, Dissolved	101		90	110		0.041			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV3	Silver, Dissolved	107		90	110		0.043			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV3	Thallium, Dissolved	96.6		90	110		0.039			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV3	Uranium, Dissolved	105		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV3	Vanadium, Dissolved	106		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV4	Arsenic, Dissolved	105		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV4	Beryllium, Dissolved	**111**		90	110		0.044			0.0400		4I26006		09/26/14	09/29/14			1
HB - Recovery for this parameter exceeded the upper acceptance limit. Associated sample(s) were all non-detect and therefore accepted and reported for this parameter.																		
4I26006-CCV4	Cadmium, Dissolved	95.4		90	110		0.038			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV4	Chromium, Dissolved	103		90	110		0.041			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV4	Cobalt, Dissolved	105		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV4	Copper, Dissolved	105		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV4	Lead, Dissolved	100		90	110		0.040			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV4	Molybdenum, Dissolved	94.1		90	110		0.038			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV4	Nickel, Dissolved	106		90	110		0.0424			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV4	Selenium, Dissolved	101		90	110		0.040			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV4	Silver, Dissolved	106		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I26006-CCV4	Thallium, Dissolved	96.3		90	110		0.039			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV4	Uranium, Dissolved	106		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-CCV4	Vanadium, Dissolved	104		90	110		0.042			0.0400		4I26006		09/26/14	09/29/14			1
4I30003-CCV1	Arsenic, Dissolved	102		90	110		0.041			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-CCV1	Copper, Dissolved	105		90	110		0.042			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-CCV1	Molybdenum, Dissolved	91.6		90	110		0.037			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-CCV1	Selenium, Dissolved	99.3		90	110		0.040			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-CCV2	Arsenic, Dissolved	103		90	110		0.041			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-CCV2	Copper, Dissolved	104		90	110		0.042			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-CCV2	Molybdenum, Dissolved	92.3		90	110		0.037			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-CCV2	Selenium, Dissolved	99.8		90	110		0.040			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-CCV3	Arsenic, Dissolved	104		90	110		0.041			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-CCV3	Copper, Dissolved	108		90	110		0.043			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-CCV3	Molybdenum, Dissolved	90.3		90	110		0.036			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-CCV3	Selenium, Dissolved	101		90	110		0.040			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-CCV4	Arsenic, Dissolved	109		90	110		0.044			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-CCV4	Selenium, Dissolved	103		90	110		0.041			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-CCV5	Molybdenum, Dissolved	101		90	110		0.040			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-CCV6	Molybdenum, Dissolved	91.8		90	110		0.037			0.0400		4I30003		09/30/14	09/30/14			1

Initial Cal Blank - Method EPA 200.8

4I26006-ICB1	Arsenic, Dissolved						-0.000					4I26006		09/26/14	09/29/14			1
4I26006-ICB1	Beryllium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-ICB1	Cadmium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-ICB1	Chromium, Dissolved						-0.000					4I26006		09/26/14	09/29/14			1
4I26006-ICB1	Cobalt, Dissolved						0.00					4I26006		09/26/14	09/29/14			1
4I26006-ICB1	Copper, Dissolved						-0.000					4I26006		09/26/14	09/29/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I26006-ICB1	Lead, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-ICB1	Molybdenum, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-ICB1	Nickel, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-ICB1	Selenium, Dissolved						-0.000					4I26006		09/26/14	09/29/14			1
4I26006-ICB1	Silver, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-ICB1	Thallium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-ICB1	Uranium, Dissolved						0.0000					4I26006		09/26/14	09/29/14			1
4I26006-ICB1	Vanadium, Dissolved						-0.000					4I26006		09/26/14	09/29/14			1
4I30003-ICB1	Arsenic, Dissolved						0.0000					4I30003		09/30/14	09/30/14			1
4I30003-ICB1	Copper, Dissolved						0.0000					4I30003		09/30/14	09/30/14			1
4I30003-ICB1	Molybdenum, Dissolved						0.0000					4I30003		09/30/14	09/30/14			1
4I30003-ICB1	Selenium, Dissolved						0.0000					4I30003		09/30/14	09/30/14			1

Initial Cal Check - Method EPA 200.8

4I26006-ICV1	Arsenic, Dissolved	99.2		90	110		0.040			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-ICV1	Beryllium, Dissolved	102		90	110		0.041			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-ICV1	Cadmium, Dissolved	98.3		90	110		0.039			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-ICV1	Chromium, Dissolved	97.2		90	110		0.039			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-ICV1	Cobalt, Dissolved	97.4		90	110		0.039			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-ICV1	Copper, Dissolved	97.8		90	110		0.039			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-ICV1	Lead, Dissolved	98.8		90	110		0.040			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-ICV1	Molybdenum, Dissolved	98.2		90	110		0.039			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-ICV1	Nickel, Dissolved	99.0		90	110		0.0396			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-ICV1	Selenium, Dissolved	98.7		90	110		0.039			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-ICV1	Silver, Dissolved	101		90	110		0.040			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-ICV1	Thallium, Dissolved	94.6		90	110		0.038			0.0400		4I26006		09/26/14	09/29/14			1
4I26006-ICV1	Uranium, Dissolved	102		90	110		0.041			0.0400		4I26006		09/26/14	09/29/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I26006-ICV1	Vanadium, Dissolved	100		90	110		0.040			0.0400		4I26006		09/26/14	09/29/14			1
4I30003-ICV1	Arsenic, Dissolved	99.0		90	110		0.040			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-ICV1	Copper, Dissolved	98.7		90	110		0.039			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-ICV1	Molybdenum, Dissolved	99.6		90	110		0.040			0.0400		4I30003		09/30/14	09/30/14			1
4I30003-ICV1	Selenium, Dissolved	98.6		90	110		0.039			0.0400		4I30003		09/30/14	09/30/14			1

LCS - Method EPA 200.8

B409777-BS1	Arsenic, Dissolved	92.3		85	115		0.037			0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BS1	Beryllium, Dissolved	94.4		85	115		0.038			0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BS1	Cadmium, Dissolved	91.2		85	115		0.036			0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BS1	Chromium, Dissolved	89.5		85	115		0.036			0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BS1	Cobalt, Dissolved	89.2		85	115		0.036			0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BS1	Copper, Dissolved	89.8		85	115		0.036			0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BS1	Lead, Dissolved	90.9		85	115		0.036			0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BS1	Molybdenum, Dissolved	89.6		85	115		0.036			0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BS1	Nickel, Dissolved	90.9		85	115		0.0363			0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BS1	Selenium, Dissolved	92.7		85	115		0.037			0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BS1	Silver, Dissolved	91.7		85	115		0.037			0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BS1	Thallium, Dissolved	91.7		85	115		0.037			0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BS1	Uranium, Dissolved	95.1		85	115		0.038			0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-BS1	Vanadium, Dissolved	91.6		85	115		0.037			0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409779-BS1	Arsenic, Dissolved	106		85	115		0.043			0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BS1	Beryllium, Dissolved	113		85	115		0.045			0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BS1	Cadmium, Dissolved	93.5		85	115		0.037			0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BS1	Chromium, Dissolved	106		85	115		0.043			0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BS1	Cobalt, Dissolved	107		85	115		0.043			0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BS1	Copper, Dissolved	108		85	115		0.043			0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409779-BS1	Lead, Dissolved	101		85	115		0.040			0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BS1	Molybdenum, Dissolved	87.3		85	115		0.035			0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BS1	Nickel, Dissolved	109		85	115		0.0435			0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BS1	Selenium, Dissolved	101		85	115		0.041			0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BS1	Silver, Dissolved	107		85	115		0.043			0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BS1	Thallium, Dissolved	101		85	115		0.041			0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BS1	Uranium, Dissolved	108		85	115		0.043			0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-BS1	Vanadium, Dissolved	109		85	115		0.043			0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1

Matrix Spike - Method EPA 200.8

B409777-MS1	Arsenic, Dissolved	108		70	130		0.044	XXXXXXX-XX	0.001	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS1	Beryllium, Dissolved	108		70	130		0.043	XXXXXXX-XX	0	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS1	Cadmium, Dissolved	87.5		70	130		0.035	XXXXXXX-XX	0.0002	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS1	Chromium, Dissolved	113		70	130		0.047	XXXXXXX-XX	0.002	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS1	Cobalt, Dissolved	104		70	130		0.042	XXXXXXX-XX	0.0009	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS1	Copper, Dissolved	94.6		70	130		0.043	XXXXXXX-XX	0.005	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS1	Lead, Dissolved	84.8		70	130		0.034	XXXXXXX-XX	0.0001	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS1	Molybdenum, Dissolved	94.8		70	130		0.071	XXXXXXX-XX	0.033	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS1	Nickel, Dissolved	99.7		75	125		0.0562	XXXXXXX-XX	0.0163	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS1	Selenium, Dissolved	104		70	130		0.052	XXXXXXX-XX	0.010	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS1	Silver, Dissolved	88.9		70	130		0.036	XXXXXXX-XX	0	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS1	Thallium, Dissolved	87.2		70	130		0.035	XXXXXXX-XX	0.00004	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS1	Uranium, Dissolved	114		70	130		0.131	XXXXXXX-XX	0.085	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS1	Vanadium, Dissolved	116		70	130		0.047	XXXXXXX-XX	0.0008	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS2	Arsenic, Dissolved	111		70	130		0.046	1410333-07	0.001	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS2	Beryllium, Dissolved	99.6		70	130		0.040	1410333-07	0	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS2	Cadmium, Dissolved	78.1		70	130		0.031	1410333-07	0.0002	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409777-MS2	Chromium, Dissolved	108		70	130		0.043	1410333-07	0.0004	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS2	Cobalt, Dissolved	106		70	130		0.044	1410333-07	0.001	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS2	Copper, Dissolved	90.7		70	130		0.042	1410333-07	0.006	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS2	Lead, Dissolved	70.0		70	130		0.028	1410333-07	0	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS2	Molybdenum, Dissolved	83.4		70	130		0.034	1410333-07	0.0006	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS2	Nickel, Dissolved	102		75	125		0.0756	1410333-07	0.0347	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS2	Selenium, Dissolved	111		70	130		0.056	1410333-07	0.012	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS2	Silver, Dissolved	84.2		70	130		0.034	1410333-07	0	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS2	Thallium, Dissolved	72.8		70	130		0.030	1410333-07	0.0005	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS2	Uranium, Dissolved	95.7		70	130		0.049	1410333-07	0.011	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409777-MS2	Vanadium, Dissolved	116		70	130		0.047	1410333-07	0.0007	0.0400		B409777		09/26/14	09/29/14	0.00	0.00	1
B409779-MS1	Arsenic, Dissolved	108		70	130		0.046	XXXXXXX-XX	0.003	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS1	Beryllium, Dissolved	113		70	130		0.045	XXXXXXX-XX	0	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS1	Cadmium, Dissolved	88.2		70	130		0.035	XXXXXXX-XX	0.00002	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS1	Chromium, Dissolved	107		70	130		0.043	XXXXXXX-XX	0.0003	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS1	Cobalt, Dissolved	105		70	130		0.042	XXXXXXX-XX	0.0002	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS1	Copper, Dissolved	99.3		70	130		0.042	XXXXXXX-XX	0.002	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS1	Lead, Dissolved	91.4		70	130		0.037	XXXXXXX-XX	0.0005	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS1	Molybdenum, Dissolved	91.4		70	130		0.039	XXXXXXX-XX	0.003	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS1	Nickel, Dissolved	103		75	125		0.0444	XXXXXXX-XX	0.0033	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS1	Selenium, Dissolved	95.2		70	130		0.039	XXXXXXX-XX	0.0005	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS1	Silver, Dissolved	99.7		70	130		0.040	XXXXXXX-XX	0	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS1	Thallium, Dissolved	92.9		70	130		0.037	XXXXXXX-XX	0	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS1	Uranium, Dissolved	104		70	130		0.043	XXXXXXX-XX	0.001	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS1	Vanadium, Dissolved	112		70	130		0.046	XXXXXXX-XX	0.002	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS2	Arsenic, Dissolved	88.7		70	130		0.278	XXXXXXX-XX	0.242	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409779-MS2	Beryllium, Dissolved	104		70	130		0.042	XXXXXXX-XX	0.0009	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS2	Cadmium, Dissolved	86.3		70	130		0.035	XXXXXXX-XX	0	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS2	Chromium, Dissolved	98.7		70	130		0.040	XXXXXXX-XX	0.00008	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS2	Cobalt, Dissolved	99.0		70	130		0.040	XXXXXXX-XX	0.00004	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS2	Copper, Dissolved	94.0		70	130		0.038	XXXXXXX-XX	0.0004	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS2	Lead, Dissolved	89.8		70	130		0.036	XXXXXXX-XX	0	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS2	Molybdenum, Dissolved	90.7		70	130		0.047	XXXXXXX-XX	0.011	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS2	Nickel, Dissolved	98.6		75	125		0.0400	XXXXXXX-XX	0.0006	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS2	Selenium, Dissolved	84.1		70	130		0.034	XXXXXXX-XX	0.0009	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS2	Silver, Dissolved	91.6		70	130		0.037	XXXXXXX-XX	0	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS2	Thallium, Dissolved	89.6		70	130		0.036	XXXXXXX-XX	0.00008	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS2	Uranium, Dissolved	101		70	130		0.041	XXXXXXX-XX	0.0006	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1
B409779-MS2	Vanadium, Dissolved	103		70	130		0.042	XXXXXXX-XX	0.0004	0.0400		B409779		09/26/14	09/29/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 245.1																		
B409719-BLK1	Mercury, Dissolved						-0.000					B409719		09/24/14	09/24/14	0.00	0.00	1
Calibration Blank - Method EPA 245.1																		
4I24013-CCB1	Mercury, Dissolved						0.0355					4I24013		09/24/14	09/24/14			1
Calibration Check - Method EPA 245.1																		
4I24013-CCV1	Mercury, Dissolved	105		90	110		5.2290			5.00		4I24013		09/24/14	09/24/14			1
Initial Cal Blank - Method EPA 245.1																		
4I24013-ICB1	Mercury, Dissolved						-0.004					4I24013		09/24/14	09/24/14			1
Initial Cal Check - Method EPA 245.1																		
4I24013-ICV1	Mercury, Dissolved	103		90	110		5.1454			5.00		4I24013		09/24/14	09/24/14			1
LCS - Method EPA 245.1																		
B409719-BS1	Mercury, Dissolved	101		85	115		0.0051			0.00500		B409719		09/24/14	09/24/14	0.00	0.00	1
Matrix Spike - Method EPA 245.1																		
B409719-MS1	Mercury, Dissolved	101		75	125		0.0050	**1410333-07**	0	0.00500		B409719		09/24/14	09/24/14	0.00	0.00	1
Matrix Spike Dup - Method EPA 245.1																		
B409719-MSD1	Mercury, Dissolved	102	1.11	75	125	20	0.0051	**1410333-07**	0	0.00500		B409719		09/24/14	09/24/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Calibration Blank - Method EPA 300.0																		
4I23002-CCB1	Chloride						0.3					4I23002		09/18/14	09/18/14			1
4I23002-CCB1	Fluoride						0.0					4I23002		09/18/14	09/18/14			1
4I23002-CCB1	Sulfate						0					4I23002		09/18/14	09/18/14			1
4I23002-CCB2	Chloride						0					4I23002		09/18/14	09/18/14			1
4I23002-CCB2	Fluoride						0.0					4I23002		09/18/14	09/18/14			1
4I23002-CCB2	Sulfate						0					4I23002		09/18/14	09/18/14			1
4I23002-CCB3	Chloride						0					4I23002		09/18/14	09/18/14			1
4I23002-CCB3	Fluoride						0.05					4I23002		09/18/14	09/18/14			1
4I23002-CCB3	Sulfate						1					4I23002		09/18/14	09/18/14			1
4I23002-CCB4	Chloride						0					4I23002		09/18/14	09/18/14			1
4I23002-CCB4	Fluoride						0.0					4I23002		09/18/14	09/18/14			1
4I23002-CCB4	Sulfate						0					4I23002		09/18/14	09/18/14			1
4I23002-CCB5	Chloride						0					4I23002		09/18/14	09/18/14			1
4I23002-CCB5	Fluoride						0.0					4I23002		09/18/14	09/18/14			1
4I23002-CCB5	Sulfate						0					4I23002		09/18/14	09/18/14			1
4I23002-CCB6	Chloride						0					4I23002		09/18/14	09/18/14			1
4I23002-CCB6	Fluoride						0.0					4I23002		09/18/14	09/18/14			1
4I23002-CCB6	Sulfate						0.8					4I23002		09/18/14	09/18/14			1
Calibration Check - Method EPA 300.0																		
4I23002-CCV1	Chloride	100		90	110		20			20.0		4I23002		09/18/14	09/18/14			1
4I23002-CCV1	Fluoride	95.0		90	110		1.9			2.00		4I23002		09/18/14	09/18/14			1
4I23002-CCV1	Sulfate	97.5		90	110		39			40.0		4I23002		09/18/14	09/18/14			1
4I23002-CCV2	Chloride	100		90	110		20			20.0		4I23002		09/18/14	09/18/14			1
4I23002-CCV2	Fluoride	100		90	110		2.0			2.00		4I23002		09/18/14	09/18/14			1
4I23002-CCV2	Sulfate	100		90	110		40			40.0		4I23002		09/18/14	09/18/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4I23002-CCV3	Chloride	105		90	110		21			20.0		4I23002		09/18/14	09/18/14			1
4I23002-CCV3	Fluoride	90.0		90	110		1.8			2.00		4I23002		09/18/14	09/18/14			1
4I23002-CCV3	Sulfate	100		90	110		40			40.0		4I23002		09/18/14	09/18/14			1
4I23002-CCV4	Chloride	105		90	110		21			20.0		4I23002		09/18/14	09/18/14			1
4I23002-CCV4	Fluoride	100		90	110		2.0			2.00		4I23002		09/18/14	09/18/14			1
4I23002-CCV4	Sulfate	100		90	110		40			40.0		4I23002		09/18/14	09/18/14			1
4I23002-CCV5	Chloride	105		90	110		21			20.0		4I23002		09/18/14	09/18/14			1
4I23002-CCV5	Fluoride	100		90	110		2.0			2.00		4I23002		09/18/14	09/18/14			1
4I23002-CCV5	Sulfate	100		90	110		40			40.0		4I23002		09/18/14	09/18/14			1
4I23002-CCV6	Chloride	105		90	110		21			20.0		4I23002		09/18/14	09/18/14			1
4I23002-CCV6	Fluoride	95.0		90	110		1.9			2.00		4I23002		09/18/14	09/18/14			1
4I23002-CCV6	Sulfate	100		90	110		40			40.0		4I23002		09/18/14	09/18/14			1
LCSW - Method EPA 300.0																		
B409640-BS1	Chloride	98.0		90	110		49			50.0		B409640		09/19/14	09/19/14	0.07	1	1
B409640-BS1	Fluoride	98.0		90	110		4.9			5.00		B409640		09/19/14	09/19/14	0.02	0.1	1
B409640-BS1	Sulfate	96.0		90	110		96			100		B409640		09/19/14	09/19/14	0.2	1	1
B409640-BS2	Chloride	102		90	110		51			50.0		B409640		09/19/14	09/19/14	0.07	1	1
B409640-BS2	Fluoride	98.0		90	110		4.9			5.00		B409640		09/19/14	09/19/14	0.02	0.1	1
B409640-BS2	Sulfate	100		90	110		100			100		B409640		09/19/14	09/19/14	0.2	1	1
LCSW Dup - Method EPA 300.0																		
B409640-BSD1	Chloride	98.0	0.00	90	110	20	49			50.0		B409640		09/19/14	09/19/14	0.07	1	1
B409640-BSD1	Fluoride	94.0	4.17	90	110	20	4.7			5.00		B409640		09/19/14	09/19/14	0.02	0.1	1
B409640-BSD1	Sulfate	96.0	0.00	90	110	200	96			100		B409640		09/19/14	09/19/14	0.2	1	1
B409640-BSD2	Chloride	98.0	4.00	90	110	20	49			50.0		B409640		09/19/14	09/19/14	0.07	1	1
B409640-BSD2	Fluoride	94.0	4.17	90	110	20	4.7			5.00		B409640		09/19/14	09/19/14	0.02	0.1	1
B409640-BSD2	Sulfate	95.0	5.13	90	110	200	95			100		B409640		09/19/14	09/19/14	0.2	1	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Matrix Spike - Method EPA 300.0																		
B409640-MS1	Chloride	80.0		80	120		52	**1410333-07**	44	10.0		B409640		09/19/14	09/19/14	0.07	1	1
B409640-MS1	Fluoride	80.0		80	120		1.1	**1410333-07**	0.3	1.00		B409640		09/19/14	09/19/14	0.02	0.1	1
B409640-MS1	Sulfate	**-1180**		80	120		0	**1410333-07**	2370	20.0		B409640		09/19/14	09/19/14	0.2	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409640-MS2	Chloride	96.0		80	120		140	**1410333-07**	44	100		B409640		09/19/14	09/19/14	0.7	10	10
B409640-MS2	Fluoride	87.0		80	120		9.0	**1410333-07**	0.3	10.0		B409640		09/19/14	09/19/14	0.2	1.0	10
B409640-MS2	Sulfate	85.0		80	120		2540	**1410333-07**	2370	200		B409640		09/19/14	09/19/14	2	10	10
B409640-MS3	Chloride	98.0		80	120		240	**1410333-07**	44	200		B409640		09/19/14	09/19/14	1	20	20
B409640-MS3	Fluoride	95.0		80	120		19.0	**1410333-07**	0.3	20.0		B409640		09/19/14	09/19/14	0.4	2.0	20
B409640-MS3	Sulfate	92.5		80	120		2740	**1410333-07**	2370	400		B409640		09/19/14	09/19/14	4	20	20
Matrix Spike Dup - Method EPA 300.0																		
B409640-MSD1	Chloride	80.0	0.00	80	120	20	52	**1410333-07**	44	10.0		B409640		09/19/14	09/19/14	0.07	1	1
B409640-MSD1	Fluoride	80.0	0.00	80	120	20	1.1	**1410333-07**	0.3	1.00		B409640		09/19/14	09/19/14	0.02	0.1	1
B409640-MSD1	Sulfate	**-1180**		80	120	20	0	**1410333-07**	2370	20.0		B409640		09/19/14	09/19/14	0.2	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B409640-MSD2	Chloride	96.0	0.00	80	120	20	140	**1410333-07**	44	100		B409640		09/19/14	09/19/14	0.7	10	10
B409640-MSD2	Fluoride	87.0	0.00	80	120	20	9.0	**1410333-07**	0.3	10.0		B409640		09/19/14	09/19/14	0.2	1.0	10
B409640-MSD2	Sulfate	95.0	0.784	80	120	20	2560	**1410333-07**	2370	200		B409640		09/19/14	09/19/14	2	10	10
B409640-MSD3	Chloride	98.0	0.00	80	120	20	240	**1410333-07**	44	200		B409640		09/19/14	09/19/14	1	20	20
B409640-MSD3	Fluoride	95.0	0.00	80	120	20	19.0	**1410333-07**	0.3	20.0		B409640		09/19/14	09/19/14	0.4	2.0	20
B409640-MSD3	Sulfate	95.0	0.364	80	120	20	2750	**1410333-07**	2370	400		B409640		09/19/14	09/19/14	4	20	20
PBW - Method EPA 300.0																		
B409640-BLK1	Chloride						0					B409640		09/19/14	09/19/14	0.07	1	1
B409640-BLK1	Fluoride						0.05					B409640		09/19/14	09/19/14	0.02	0.1	1
B409640-BLK1	Sulfate						0.7					B409640		09/19/14	09/19/14	0.2	1	1
B409640-BLK2	Chloride						0					B409640		09/19/14	09/19/14	0.07	1	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409640-BLK2	Fluoride						0.0					B409640		09/19/14	09/19/14	0.02	0.1	1
B409640-BLK2	Sulfate						0					B409640		09/19/14	09/19/14	0.2	1	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 353.2																		
B409768-BLK1	Nitrate + Nitrite, Total						0.0					B409768		09/25/14	09/25/14	0.03	0.1	1
B409802-BLK1	Nitrate + Nitrite, Total						0.0					B409802		09/26/14	09/26/14	0.03	0.1	1
Calibration Blank - Method EPA 353.2																		
4I25012-CCB1	Nitrate + Nitrite, Total						0.0					4I25012		09/25/14	09/25/14			1
4I25012-CCB2	Nitrate + Nitrite, Total						0.0					4I25012		09/25/14	09/25/14			1
4I25012-CCB3	Nitrate + Nitrite, Total						0.0					4I25012		09/25/14	09/25/14			1
4I25012-CCB4	Nitrate + Nitrite, Total						0.0					4I25012		09/25/14	09/25/14			1
4I26015-CCB1	Nitrate + Nitrite, Total						0.0					4I26015		09/26/14	09/26/14			1
4I26015-CCB2	Nitrate + Nitrite, Total						0.0					4I26015		09/26/14	09/26/14			1
Calibration Check - Method EPA 353.2																		
4I25012-CCV1	Nitrate + Nitrite, Total	91.0		90	110		0.9			1.00		4I25012		09/25/14	09/25/14			1
4I25012-CCV2	Nitrate + Nitrite, Total	94.0		90	110		0.9			1.00		4I25012		09/25/14	09/25/14			1
4I25012-CCV3	Nitrate + Nitrite, Total	92.0		90	110		0.9			1.00		4I25012		09/25/14	09/25/14			1
4I25012-CCV4	Nitrate + Nitrite, Total	95.0		90	110		1.0			1.00		4I25012		09/25/14	09/25/14			1
4I26015-CCV1	Nitrate + Nitrite, Total	95.0		90	110		1.0			1.00		4I26015		09/26/14	09/26/14			1
4I26015-CCV2	Nitrate + Nitrite, Total	95.0		90	110		1.0			1.00		4I26015		09/26/14	09/26/14			1
Initial Cal Blank - Method EPA 353.2																		
4I25012-ICB1	Nitrate + Nitrite, Total						0.05					4I25012		09/25/14	09/25/14			1
4I26015-ICB1	Nitrate + Nitrite, Total						0.07					4I26015		09/26/14	09/26/14			1
Initial Cal Check - Method EPA 353.2																		
4I25012-ICV1	Nitrate + Nitrite, Total	91.0		90	110		0.9			1.00		4I25012		09/25/14	09/25/14			1
4I26015-ICV1	Nitrate + Nitrite, Total	94.0		90	110		0.9			1.00		4I26015		09/26/14	09/26/14			1
LCS - Method EPA 353.2																		
B409802-BS1	Nitrate + Nitrite, Total	84.0		80	120		1.7			2.00		B409802		09/26/14	09/26/14	0.03	0.1	1

Matrix Spike - Method EPA 353.2

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409768-MS1	Nitrate + Nitrite, Total	84.0		80	120		0.9	XXXXXXX-XX	0.05	1.00		B409768		09/25/14	09/25/14	0.03	0.1	1
B409768-MS2	Nitrate + Nitrite, Total	98.0		80	120		16.1	XXXXXXX-XX	6.3	10.0		B409768		09/25/14	09/25/14	0.3	1.0	10
B409802-MS1	Nitrate + Nitrite, Total	97.0		80	120		34.2	XXXXXXX-XX	14.8	20.0		B409802		09/26/14	09/26/14	0.6	2.0	20
B409802-MS2	Nitrate + Nitrite, Total	**76.0**		80	120		8.6	**1410333-07**	1.0	10.0		B409802		09/26/14	09/26/14	0.3	1.0	10

QM-010 - The MS recovery was outside acceptance limits but passed Duplicate Spike acceptance limits. The batch was accepted based on the acceptability of the MSD as the batch Spike.

Matrix Spike Dup - Method EPA 353.2

B409768-MSD1	Nitrate + Nitrite, Total	89.0	5.46	80	120	20	0.9	XXXXXXX-XX	0.05	1.00		B409768		09/25/14	09/25/14	0.03	0.1	1
B409768-MSD2	Nitrate + Nitrite, Total	106	4.85	80	120	20	16.9	XXXXXXX-XX	6.3	10.0		B409768		09/25/14	09/25/14	0.3	1.0	10
B409802-MSD1	Nitrate + Nitrite, Total	104	4.01	80	120	20	35.6	XXXXXXX-XX	14.8	20.0		B409802		09/26/14	09/26/14	0.6	2.0	20
B409802-MSD2	Nitrate + Nitrite, Total	85.0	9.94	80	120	20	9.5	1410333-07	1.0	10.0		B409802		09/26/14	09/26/14	0.3	1.0	10

Blank - Method EPA 8260B

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409619-BLK1	1,1,1,2-Tetrachloroethane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,1,1-Trichloroethane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,1,2,2-Tetrachloroethane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,1,2-Trichloroethane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,1,2-Trichlorotrifluoroethane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,1-Dichloroethane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,1-Dichloroethene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,1-Dichloropropene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,2,3-Trichlorobenzene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,2,3-Trichloropropane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,2,4-Trichlorobenzene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,2,4-Trimethylbenzene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,2-Dibromo-3-chloropropane						0.00				Yes	B409619		09/19/14	09/19/14	1.0	1.0	1
B409619-BLK1	1,2-Dibromoethane (EDB)						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,2-Dichlorobenzene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,2-Dichloroethane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,2-Dichloroethane-d4	102		70	130		10.2			10.0	Yes	B409619		09/19/14	09/19/14			1
B409619-BLK1	1,2-Dichloropropane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,3,5-Trimethylbenzene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,3-Dichlorobenzene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,3-Dichloropropane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	1,4-Dichlorobenzene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	2,2-Dichloropropane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	2-Chlorotoluene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	2-Nitropropane						0.00				Yes	B409619		09/19/14	09/19/14	10.0	10.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409619-BLK1	4-Bromofluorobenzene	98.9		70	130		9.89			10.0	Yes	B409619		09/19/14	09/19/14			1
B409619-BLK1	4-Chlorotoluene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Acetone						0.00				Yes	B409619		09/19/14	09/19/14	10.0	10.0	1
B409619-BLK1	Acrylonitrile						0.00				Yes	B409619		09/19/14	09/19/14	10.0	10.0	1
B409619-BLK1	Benzene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Bromobenzene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Bromochloromethane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Bromodichloromethane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Bromoform						0.00				Yes	B409619		09/19/14	09/19/14	1.0	1.0	1
B409619-BLK1	Bromomethane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Carbon Disulfide						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Carbon Tetrachloride						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Chlorobenzene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Chloroethane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Chloroform						0.00				Yes	B409619		09/19/14	09/19/14	1.0	1.0	1
B409619-BLK1	Chloromethane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	cis-1,2-Dichloroethene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	cis-1,3-Dichloropropene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Cyclohexanone						0.00				Yes	B409619		09/19/14	09/19/14	20.0	20.0	1
B409619-BLK1	Dibromochloromethane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Dibromomethane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Dichlorodifluoromethane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Ethyl Acetate						0.00				Yes	B409619		09/19/14	09/19/14	10.0	10.0	1
B409619-BLK1	Ethyl Ether						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Ethylbenzene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Hexachlorobutadiene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409619-BLK1	Isobutanol						0.00				Yes	B409619		09/19/14	09/19/14	10.0	10.0	1
B409619-BLK1	Isopropylbenzene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Methyl Ethyl Ketone						0.00				Yes	B409619		09/19/14	09/19/14	10.0	10.0	1
B409619-BLK1	Methyl Isobutyl Ketone						0.00				Yes	B409619		09/19/14	09/19/14	10.0	10.0	1
B409619-BLK1	Methylene Chloride						0.00				Yes	B409619		09/19/14	09/19/14	1.0	1.0	1
B409619-BLK1	Methyl-tert-butyl ether (MTBE)						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Naphthalene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	n-Butyl Alcohol						0.00				Yes	B409619		09/19/14	09/19/14	40.0	40.0	1
B409619-BLK1	n-Butylbenzene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Nitrobenzene						0.00				Yes	B409619		09/19/14	09/19/14	20.0	20.0	1
B409619-BLK1	n-Propyl Benzene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	p-Isopropyltoluene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	sec-Butyl Benzene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Styrene						0.00				Yes	B409619		09/19/14	09/19/14	1.0	1.0	1
B409619-BLK1	tert-Butylbenzene						0.00				Yes	B409619		09/19/14	09/19/14	1.0	1.0	1
B409619-BLK1	Tetrachloroethene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Toluene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Toluene-d8	103		70	130		10.3			10.0	Yes	B409619		09/19/14	09/19/14			1
B409619-BLK1	trans-1,2-Dichloroethene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	trans-1,3-Dichloropropene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Trichloroethene						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Trichlorofluoromethane						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Vinyl Chloride						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BLK1	Xylenes, total						0.00				Yes	B409619		09/19/14	09/19/14	0.3	1.0	1

LCS - Method EPA 8260B

B409619-BS1	1,1-Dichloroethene	97.0		70	130		9.70			10.0	Yes	B409619		09/19/14	09/19/14	0.3	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409619-BS1	1,2-Dichloroethane-d4	102		70	130		10.2			10.0	Yes	B409619		09/19/14	09/19/14			1
B409619-BS1	4-Bromofluorobenzene	98.3		70	130		9.83			10.0	Yes	B409619		09/19/14	09/19/14			1
B409619-BS1	Benzene	112		70	130		11.2			10.0	Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BS1	Chlorobenzene	105		70	130		10.5			10.0	Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BS1	Toluene	105		70	130		10.5			10.0	Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
B409619-BS1	Toluene-d8	102		70	130		10.2			10.0	Yes	B409619		09/19/14	09/19/14			1
B409619-BS1	Trichloroethene	111		70	130		11.1			10.0	Yes	B409619		09/19/14	09/19/14	0.3	1.0	1
Matrix Spike - Method EPA 8260B																		
B409619-MS1	1,1-Dichloroethene	92.9		70	130		46.4	XXXXXXX-XX	0	50.0	Yes	B409619		09/19/14	09/19/14	1.5	5.0	1
B409619-MS1	1,2-Dichloroethane-d4	110		70	130		55.0	XXXXXXX-XX		50.0	Yes	B409619		09/19/14	09/19/14			1
B409619-MS1	4-Bromofluorobenzene	102		70	130		51.2	XXXXXXX-XX		50.0	Yes	B409619		09/19/14	09/19/14			1
B409619-MS1	Benzene	115		70	130		57.4	XXXXXXX-XX	0	50.0	Yes	B409619		09/19/14	09/19/14	1.5	5.0	1
B409619-MS1	Chlorobenzene	104		70	130		52.2	XXXXXXX-XX	0	50.0	Yes	B409619		09/19/14	09/19/14	1.5	5.0	1
B409619-MS1	Toluene	105		70	130		52.7	XXXXXXX-XX	0	50.0	Yes	B409619		09/19/14	09/19/14	1.5	5.0	1
B409619-MS1	Toluene-d8	100		70	130		50.2	XXXXXXX-XX		50.0	Yes	B409619		09/19/14	09/19/14			1
B409619-MS1	Trichloroethene	111		70	130		55.3	XXXXXXX-XX	0	50.0	Yes	B409619		09/19/14	09/19/14	1.5	5.0	1
B409619-MS2	1,1-Dichloroethene	91.1		70	130		45.6	**1410333-07**	0	50.0	Yes	B409619		09/23/14	09/23/14	1.5	5.0	1
B409619-MS2	1,2-Dichloroethane-d4	102		70	130		51.2	**1410333-07**		50.0	Yes	B409619		09/23/14	09/23/14			1
B409619-MS2	4-Bromofluorobenzene	95.8		70	130		47.9	**1410333-07**		50.0	Yes	B409619		09/23/14	09/23/14			1
B409619-MS2	Benzene	111		70	130		55.6	**1410333-07**	0	50.0	Yes	B409619		09/23/14	09/23/14	1.5	5.0	1
B409619-MS2	Chlorobenzene	99.9		70	130		50.0	**1410333-07**	0	50.0	Yes	B409619		09/23/14	09/23/14	1.5	5.0	1
B409619-MS2	Toluene	100		70	130		50.0	**1410333-07**	0	50.0	Yes	B409619		09/23/14	09/23/14	1.5	5.0	1
B409619-MS2	Toluene-d8	106		70	130		53.2	**1410333-07**		50.0	Yes	B409619		09/23/14	09/23/14			1
B409619-MS2	Trichloroethene	99.0		70	130		49.5	**1410333-07**	0	50.0	Yes	B409619		09/23/14	09/23/14	1.5	5.0	1
Matrix Spike Dup - Method EPA 8260B																		
B409619-MSD1	1,1-Dichloroethene	92.8	0.108	70	130	20	46.4	XXXXXXX-XX	0	50.0	Yes	B409619		09/19/14	09/19/14	1.5	5.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409619-MSD1	1,2-Dichloroethane-d4	110		70	130		55.1	XXXXXXX-XX		50.0	Yes	B409619		09/19/14	09/19/14			1
B409619-MSD1	4-Bromofluorobenzene	99.8		70	130		49.9	XXXXXXX-XX		50.0	Yes	B409619		09/19/14	09/19/14			1
B409619-MSD1	Benzene	113	1.23	70	130	20	56.6	XXXXXXX-XX	0	50.0	Yes	B409619		09/19/14	09/19/14	1.5	5.0	1
B409619-MSD1	Chlorobenzene	102	2.03	70	130	20	51.2	XXXXXXX-XX	0	50.0	Yes	B409619		09/19/14	09/19/14	1.5	5.0	1
B409619-MSD1	Toluene	102	3.57	70	130	20	50.8	XXXXXXX-XX	0	50.0	Yes	B409619		09/19/14	09/19/14	1.5	5.0	1
B409619-MSD1	Toluene-d8	101		70	130		50.4	XXXXXXX-XX		50.0	Yes	B409619		09/19/14	09/19/14			1
B409619-MSD1	Trichloroethene	109	1.64	70	130	20	54.4	XXXXXXX-XX	0	50.0	Yes	B409619		09/19/14	09/19/14	1.5	5.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method SM 2320 B																		
B409757-BLK1	Alkalinity - Bicarbonate (HCO3)						0.0					B409757		09/30/14	10/01/14	0.2	1.0	1
B409757-BLK1	Alkalinity - Carbonate (CO3)						0.0					B409757		09/30/14	10/01/14	0.2	1.0	1
B409757-BLK1	Alkalinity - CO2						0.0					B409757		09/30/14	10/01/14	0.2	1.0	1
B409757-BLK1	Alkalinity - Hydroxide (OH)						0.0					B409757		09/30/14	10/01/14	0.2	1.0	1
B409757-BLK1	Alkalinity - Total (as CaCO3)						0.0					B409757		09/30/14	10/01/14	0.2	1.0	1
B409757-BLK2	Alkalinity - Bicarbonate (HCO3)						0.0					B409757		09/30/14	10/01/14	0.2	1.0	1
B409757-BLK2	Alkalinity - Carbonate (CO3)						0.0					B409757		09/30/14	10/01/14	0.2	1.0	1
B409757-BLK2	Alkalinity - CO2						0.0					B409757		09/30/14	10/01/14	0.2	1.0	1
B409757-BLK2	Alkalinity - Hydroxide (OH)						0.0					B409757		09/30/14	10/01/14	0.2	1.0	1
B409757-BLK2	Alkalinity - Total (as CaCO3)						0.0					B409757		09/30/14	10/01/14	0.2	1.0	1
Calibration Blank - Method SM 2320 B																		
4J01001-CCB1	Alkalinity - Total (as CaCO3)						0.0					4J01001		10/01/14	10/01/14			1
4J01001-CCB2	Alkalinity - Total (as CaCO3)						0.0					4J01001		10/01/14	10/01/14			1
Calibration Check - Method SM 2320 B																		
4J01001-CCV1	Alkalinity - Total (as CaCO3)	99.8		90	110		2360			2360		4J01001		10/01/14	10/01/14			1
4J01001-CCV2	Alkalinity - Total (as CaCO3)	99.8		90	110		2360			2360		4J01001		10/01/14	10/01/14			1
Initial Cal Blank - Method SM 2320 B																		
4J01001-ICB1	Alkalinity - Total (as CaCO3)						0.0					4J01001		10/01/14	10/01/14			1
Initial Cal Check - Method SM 2320 B																		
4J01001-ICV1	Alkalinity - Total (as CaCO3)	100		90	110		2360			2360		4J01001		10/01/14	10/01/14			1
LCS - Method SM 2320 B																		
B409757-BS1	Alkalinity - Total (as CaCO3)	99.9		90	110		2360			2360		B409757		09/30/14	10/01/14	0.2	1.0	1
B409757-BS2	Alkalinity - Total (as CaCO3)	100		90	110		2360			2360		B409757		09/30/14	10/01/14	0.2	1.0	1
Matrix Spike - Method SM 2320 B																		
B409757-MS1	Alkalinity - Total (as CaCO3)	97.5		80	120		245	**1410333-07**	199	47.2		B409757		09/30/14	10/01/14	0.2	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409757-MS2	Alkalinity - Total (as CaCO3)	104		80	120		508	XXXXXXX-XX	459	47.2		B409757		09/30/14	10/01/14	0.2	1.0	1

Matrix Spike Dup - Method SM 2320 B

B409757-MSD1	Alkalinity - Total (as CaCO3)	97.5	0.00	80	120	20	245	1410333-07	199	47.2		B409757		09/30/14	10/01/14	0.2	1.0	1
B409757-MSD2	Alkalinity - Total (as CaCO3)	102	0.197	80	120	20	507	XXXXXXX-XX	459	47.2		B409757		09/30/14	10/01/14	0.2	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method SM 2540 C																		
B409621-BLK1	Total Dissolved Solids (TDS)						4					B409621		09/22/14	09/22/14	10	10	2
Duplicate - Method SM 2540 C																		
B409621-DUP1	Total Dissolved Solids (TDS)		3.87			20	316	XXXXXXX-XX	304			B409621		09/22/14	09/22/14	20	20	4
B409621-DUP2	Total Dissolved Solids (TDS)		1.78			20	3780	1410333-07	3850			B409621		09/22/14	09/22/14	20	20	4
Reference - Method SM 2540 C																		
B409621-SRM1	Total Dissolved Solids (TDS)	104		90	110		208			200		B409621		09/22/14	09/22/14	10	10	2

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Calibration Blank - Method SM 4500 NH3-D																		
4I23008-CCB1	Ammonia as N						0.04					4I23008		09/22/14	09/22/14			1
4I23008-CCB2	Ammonia as N						0.09					4I23008		09/22/14	09/22/14			1
4I23008-CCB3	Ammonia as N						0.1					4I23008		09/22/14	09/22/14			1
Calibration Check - Method SM 4500 NH3-D																		
4I23008-CCV1	Ammonia as N	99.0		90	110		9.9			10.0		4I23008		09/22/14	09/22/14			1
4I23008-CCV2	Ammonia as N	96.0		90	110		9.6			10.0		4I23008		09/22/14	09/22/14			1
4I23008-CCV3	Ammonia as N	92.0		90	110		9.2			10.0		4I23008		09/22/14	09/22/14			1
Initial Cal Blank - Method SM 4500 NH3-D																		
4I23008-ICB1	Ammonia as N						0.05					4I23008		09/22/14	09/22/14			1
Initial Cal Check - Method SM 4500 NH3-D																		
4I23008-ICV1	Ammonia as N	102		90	110		10.2			10.0		4I23008		09/22/14	09/22/14			1
LCSW - Method SM 4500 NH3-D																		
B409652-BS1	Ammonia as N	103		90	110		10.3			10.0		B409652		09/22/14	09/22/14	0.03	0.05	1
B409652-BS2	Ammonia as N	98.0		90	110		9.8			10.0		B409652		09/22/14	09/22/14	0.03	0.05	1
Matrix Spike - Method SM 4500 NH3-D																		
B409652-MS1	Ammonia as N	101		80	120		5.1	**1410333-07**	0.04	5.00		B409652		09/22/14	09/22/14	0.03	0.05	1
B409652-MS2	Ammonia as N	98.0		80	120		20.2	XXXXXXX-XX	15.3	5.00		B409652		09/22/14	09/22/14	0.03	0.05	1
Matrix Spike Dup - Method SM 4500 NH3-D																		
B409652-MSD1	Ammonia as N	103	1.94	80	120	20	5.2	**1410333-07**	0.04	5.00		B409652		09/22/14	09/22/14	0.03	0.05	1
B409652-MSD2	Ammonia as N	98.0	0.00	80	120	20	20.2	XXXXXXX-XX	15.3	5.00		B409652		09/22/14	09/22/14	0.03	0.05	1
PBW - Method SM 4500 NH3-D																		
B409652-BLK1	Ammonia as N						0.05					B409652		09/22/14	09/22/14	0.03	0.05	1
B409652-BLK2	Ammonia as N						0.04					B409652		09/22/14	09/22/14	0.03	0.05	1

Surrogate Summary for Sample Delivery Group - 1410333

Method EPA 8260B

QC ID	Surrogate	% Rec	LCL	UCL	Result	Spk Value	Batch	DF
1410333-07	1,2-Dichloroethane-d4	104	70	130	10.4	10.0	B409619	1
1410333-07	4-Bromofluorobenzene	101	70	130	10.1	10.0	B409619	1
1410333-07	Toluene-d8	102	70	130	10.2	10.0	B409619	1
1410333-08	1,2-Dichloroethane-d4	104	70	130	10.4	10.0	B409619	1
1410333-08	4-Bromofluorobenzene	102	70	130	10.2	10.0	B409619	1
1410333-08	Toluene-d8	102	70	130	10.2	10.0	B409619	1
1410333-09	1,2-Dichloroethane-d4	106	70	130	10.6	10.0	B409619	1
1410333-09	4-Bromofluorobenzene	102	70	130	10.2	10.0	B409619	1
1410333-09	Toluene-d8	102	70	130	10.2	10.0	B409619	1
B409619-BLK1	1,2-Dichloroethane-d4	102	70	130	10.2	10.0	B409619	1
B409619-BLK1	4-Bromofluorobenzene	98.9	70	130	9.89	10.0	B409619	1
B409619-BLK1	Toluene-d8	103	70	130	10.3	10.0	B409619	1
B409619-BS1	1,2-Dichloroethane-d4	102	70	130	10.2	10.0	B409619	1
B409619-BS1	4-Bromofluorobenzene	98.3	70	130	9.83	10.0	B409619	1
B409619-BS1	Toluene-d8	102	70	130	10.2	10.0	B409619	1
B409619-MS1	1,2-Dichloroethane-d4	110	70	130	55.0	50.0	B409619	1
B409619-MS1	4-Bromofluorobenzene	102	70	130	51.2	50.0	B409619	1
B409619-MS1	Toluene-d8	100	70	130	50.2	50.0	B409619	1
B409619-MS2	1,2-Dichloroethane-d4	102	70	130	51.2	50.0	B409619	1
B409619-MS2	4-Bromofluorobenzene	95.8	70	130	47.9	50.0	B409619	1
B409619-MS2	Toluene-d8	106	70	130	53.2	50.0	B409619	1
B409619-MSD1	1,2-Dichloroethane-d4	110	70	130	55.1	50.0	B409619	1
B409619-MSD1	4-Bromofluorobenzene	99.8	70	130	49.9	50.0	B409619	1
B409619-MSD1	Toluene-d8	101	70	130	50.4	50.0	B409619	1

Ground Water Program

CHEMTECH - FORD ANALYTICAL LABORATORY

CHAIN OF CUSTODY

CHEMTECH-FORD LABORATORIES

COMPANY: Energy Fuels Resources (USA) Inc
ADDRESS: 6425 South Highway 191
CITY/STATE/ZIP: Blanding Utah 84511
PHONE #: 435-678-4115 FAX:
CONTACT: Garrin Palmer PROJECT: White Mesa Mill
EMAIL: gpalmer@energyfuels.com; kweinel@energyfuels.com

BILLING ADDRESS: Jan Dalia, 225 Union Boulevard, Suite 600
BILLING CITY/STATE/ZIP: Lakewood, Colorado 80228
PURCHASE ORDER #:

TURNAROUND REQUIRED:* Standard
* Expedited turnaround subject to additional charge

Lab Use Only	CLIENT SAMPLE INFORMATION					TESTS REQUESTED																	Bacteria			
10333	LOCATION / IDENTIFICATION	DATE	TIME	MATRIX	Field: Residual Chlorine	Dissolved Manganese (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Fluoride (SM4500-F C/300.0)	Dissolved Uranium (200.7/200.8)	Nitrate/Nitrite asn N (353.2)	VOCs (8260B/8260C) Tetrahydrofuran	Chloride (SM4500-Cl B or SM4500-Cl E or E300.0)	Dissolved Selenium (200.7/200.8)	TDS (SM 2540 C)	Sulfate (SM4500-SO4 E or E300.0)	Dissolved Thallium (200.7/200.8)	Dissolved Vanadium (200.7/200.8)						Total Coliform + E. coli (Present/Absent)	Total Coliform + E. coli (Enumerated)	HPC (Plate Count)	E. Coli Only
-01	1 MW-19_09112014	9/11/2014	1610	1-GW						X																
-02	2 MW-03_09162014	9/16/2014	1250	3-GW				X		X			X		X											
-03	3 MW-03A_09172014	9/17/2014	0935	3-GW						X			X	X	X											
-04	4 MW-05_09112014	9/112014	1135	1-GW					X																	
	5																									
	6																									
	7																									
-05	8 MW-24_09172014	9/17/2014	0920	2-GW			X	X								X										
-06	10 MW-28_09162014	9/16/2014	1100	2-GW		X	X		X			X					X									
	11																									
	12																									
	13																									
	14																									

Sampled by: (print) Tanner Holliday Sampled by: (signature) Tanner Holliday

ON ICE NOT ON ICE Temp (C°): 0.5

Samples received outside the EPA recommended temperature range of 0-6 C° may be rejected.

Special Instructions: All metals samples are field filtered unless otherwise noted. PDF Data packages are to be sent to Garrin Palmer and Kathy Weinel.

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Tanner Holliday	9/18/2014 1100	[signature]	9/19/14 10:05

CHEMTECH-FORD
9632 South 500 West
Sandy, UT 84070
801.262.7299 PHONE
866.792.0093 FAX
www.chemtechford.com

Payment Terms are net 30 days OAC 1.5% interest charge per month (18% per annum). Client agrees to pay collection costs and attorney's fees

USPS 5.00 0200 8032 7121 5567

2 of 2

Ground Water Program

CHEMTECH - FORD ANALYTICAL LABORATORY

CHAIN OF CUSTODY

Jan Dalla

COMPANY: Energy Fuels Resources (USA) Inc.
ADDRESS: 6425 South Highway 191
CITY/STATE/ZIP: Blanding Utah 84511
PHONE #: 435-678-4115 **FAX:**
CONTACT: Garrin Palmer **PROJECT:** White Mesa Mill
EMAIL: gpalmer@energyfuels.com, kweinel@energyfuels.com

BILLING ADDRESS: 225 Union Boulevard, Suite 600
BILLING CITY/STATE/ZIP: Lakewood, Colorado 80228
PURCHASE ORDER #:

CHEMTECH-FORD LABORATORIES

TURNAROUND REQUIRED:* Standard

* Expedited turnaround subject to additional charge

Lab Use Only	CLIENT SAMPLE INFORMATION					TESTS REQUESTED																		Bacteria			
	LOCATION / IDENTIFICATION	DATE	TIME	MATRIX	Field: Residual Chlorine	Dissolved Metals (200.7/200.8)*	VOCs (8260B/8260C)*	Fluoride (SM4500-F C/300.0)	Ammonia (as N) (SM4500-NH3 G or 350	Nitrate/Nitrite asn N (353.2)	Carbonate as CaCO3 (SM2320 B)	Bicarbonate as CaCO3 (SM2320 B)	Chloride (SM4500-Cl B or SM4500-Cl E or E300.0)	TDS (SM 2540 C)	Sulfate (SM4500-SO4 E or E300.0	Total Anions	Total Cations	C/A Balance	TDS Ratio	TDS Calculated				Total Coliform + E. coli (Present/Absent)	Total Coliform + E. coli (Enumerated)	HPC (Plate Count)	E. Coli Only
	1																										
	2																										
	3																										
	4																										
	5																										
	6																										
	7																										
	8																										
-07	9 MW-37_09172014	9/17/2014	1230	6-GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
-08	10 Trip Blank						X																				
-09	11 MW-70_09172014	9/17/2014	1230	6-GW		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							

Sampled by (print): Tanner Holliday Sampled by (signature): Tanner Holliday

ON ICE NOT ON ICE Temp (C°): 0.5

Samples received outside the EPA recommended temperature range of 0-6 C may be rejected

*Special Instructions: All metals samples are field filtered unless otherwise noted. PDF Data packages are to be sent to Garrin Palmer and Kathy Weinel. * = See attached analyte list.*

Relinquished by (signature)	Date/Time	Received by (signature)	Date/Time
Tanner Holliday	9/18/2014 1100	[signature]	9/19/14 1005
Relinquished by (signature)	Date/Time	Received by (signature)	Date/Time
Relinquished by (signature)	Date/Time	Received by (signature)	Date/Time

CHEMTECH-FORD
9632 South 500 West
Sandy, UT 84070
801.262.7299 PHONE
866.792.0093 FAX
www.chemtechford.com

Payment Terms are net 30 days OAC 1.5% interest charge per month (18% per annum) Client agrees to pay collection costs and attorney's fees

Work Order # 10333

CHEMTECH FORD LABORATORIES
Sample Receipt

CHEMTECH-FORD
LABORATORIES

Delivery Method:

- ☐ UPS
- ☐ USPS
- ☑ FedEx
- ☐ Chemtech Courier
- ☐ Walk-in
- ☐ Courier

Receiving Temperature 0.5 C

Sample #	Container	Chemtech Lot # or Preservative	Number of Subsamples	Preserved by Client/Third Party	Preserved in Receiving/Laboratory	Filtered in Field by Client	Misc Volume (oz/mL)	Comments
-01	N	292						
-02	AP							
	N	296						
	M			X				
-03	N							Cannot read lot #
	AD							
-04	M			X				
-05	M			X				
	AP							
-06	M			X				
	AP							
-07	AQ							
	N	296						
	M			X				
	W1-3			X				
-08	W1-3			X				
-09	AQ							
	N	296						
	M			X				
	W1-3			X				

Sample Condition (check if yes)

- ☑ Custody Seals
- ☑ Containers Intact
- ☑ COC/Labels Agree
- ☑ Preservation Confirmed
- ☑ Received on Ice
- ☑ Correct Container(s)
- ☑ Sufficient Sample Volume
- ☐ Headspace Present (VOC)
- ☑ Temperature Blank
- ☑ Received within Holding Time

Plastic Containers

- A- Plastic Unpreserved
- B- Miscellaneous Plastic
- C- Cyanide Qt (NaOH)
- F- Sulfide Qt (Zn Acetate)
- L- Mercury (HCl)
- M- Metals Part (HNO3)
- N- Nutrient Part (H2SO4)
- R- Radiological (HNO3)
- S- Sludge Cont/Tulm
- ☐ Plastic Bag
- U- Coliform/Ecoli

Glass Containers

- D- 625 (Na2S2O3)
- G- Glass Unpreserved
- H- HAAs (NH4Cl)
- J- 508/515/525 (Na2SO3)
- K- 515.3 Herbicides
- O- Oil & Grease (HCl)
- P- Phenols (H2SO4)
- T- TOC/TOX (H3PO4)
- U- 531 (MCAA Na2S2O3)
- V- 524/THMs (Ascorbic Acid)
- W- 8260 VOC (1:1 HCl)
- X- Vial Unpreserved
- Y- 524/504 (Na2S2O3)
- Z- Miscellaneous Glass

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Report Footnotes

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.
1 mg/L = one milligram per liter or 1 mg/Kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.

Flag Descriptions

9632 South 500 West
Sandy, UT 84070
801-262-7299 Office

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

October 03, 2014

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 356308

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on September 09, 2014. 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. 4487.

Sincerely,

Sylainna Rivers

Sylainna Rivers
Project Manager

Purchase Order: DW16138
Enclosures

Energy Fuels Resources (USA), Inc.
White Mesa Mill GW
SDG: 356308

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 356308

October 03, 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 September 09, 2014 for analysis.

Sample Identification: The laboratory received the following samples:

Laboratory ID	Client ID
356308001	MW-32_09022014
356308002	MW-14_09022014
356308003	MW-25_09032014
356308004	MW-26_09042014
356308005	MW-35_09032014
356308006	MW-31_09032014
356308007	MW-36_09032014

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.

Sylainna Rivers

Sylainna Rivers
Project Manager

356308

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
3rd Quarter Ground Water 2014	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-32_09022014	9/2/2014	1340	Gross Alpha
MW-14_09022014	9/2/2014	1030	Gross Alpha
MW-25_09032014	9/3/2014	1200	Gross Alpha
MW-26_09042014	9/4/2014	730	Gross Alpha
MW-35_09032014	9/3/2014	1500	Gross Alpha
MW-31_09032014	9/3/2014	1400	Gross Alpha
MW-36_09032014	9/3/2014	1325	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	9/4/2014 1000	P. Nelson	9/9/14 09:00
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	SDG/AR/COC/Work Order: 356308
Received By: P. Hilent	Date Received: 9/9/14

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) 17c *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):
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 7121 5684 - 17c

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials PD Date 9/9/14 Page 1 of 1

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 356308 3rd Quarter GW 2014
Client SDG: 356308
Project Manager: Sylainna Rivers
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 07-OCT-14
Package Due Date: 04-OCT-14
EDD Due Date: 07-OCT-14
Due Date: 07-OCT-14
HXS1

Collector: C
Prelogin #: 20140921016
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
356308001	MW-32_09022014		02-SEP-14 13:40	09-SEP-14 09:00	-2	1	GROUND WATER		20		1		
356308002	MW-14_09022014		02-SEP-14 10:30	09-SEP-14 09:00	-2	1	GROUND WATER		20		1		
356308003	MW-25_09032014		03-SEP-14 12:00	09-SEP-14 09:00	-2	1	GROUND WATER		20		1		
356308004	MW-26_09042014		04-SEP-14 07:30	09-SEP-14 09:00	-2	1	GROUND WATER		20		1		
356308005	MW-35_09032014		03-SEP-14 15:00	09-SEP-14 09:00	-2	1	GROUND WATER		20		1		
356308006	MW-31_09032014		03-SEP-14 14:00	09-SEP-14 09:00	-2	1	GROUND WATER		20		1		
356308007	MW-36_09032014		03-SEP-14 13:25	09-SEP-14 09:00	-2	1	GROUND WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data	Receive Codes
-001 MW-32_09022014	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-002 MW-14_09022014	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-003 MW-25_09032014	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-004 MW-26_09042014	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-005 MW-35_09032014	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-006 MW-31_09032014	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha				
-007 MW-36_09032014	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 356308

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1418231

Sample ID	Client ID
356308001	MW-32_09022014
356308002	MW-14_09022014
356308003	MW-25_09032014
356308004	MW-26_09042014
356308005	MW-35_09032014
356308006	MW-31_09032014
356308007	MW-36_09032014
1203165275	MB for batch 1418231
1203165279	Laboratory Control Sample (LCS)
1203165276	356308007(MW-36_09032014) Sample Duplicate (DUP)
1203165277	356308007(MW-36_09032014) Matrix Spike (MS)
1203165278	356308007(MW-36_09032014) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-010 REV# 15.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 356308007 (MW-36_09032014).

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.

Recounts
Samples 1203165275 (MB), 1203165276 (MW-36_09032014), 356308002 (MW-14_09022014), 356308003 (MW-25_09032014) and 356308007 (MW-36_09032014) were recounted due to high MDCs. The recounts are reported.

Miscellaneous Information:

Data Exception (DER) Documentation
Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Sample-Specific MDA/MDC
The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments
The matrix spike and matrix spike duplicate, 1203165277 (MW-36_09032014) and 1203165278 (MW-36_09032014), 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: 356308 GEL Work Order: 356308

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: 25 SEP 2014 **Title: Analyst I**

GEL LABORATORIES LLC

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

QC Summary

Report Date: September 25, 2014

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

Contact: **Ms. Kathy Weinel**

Workorder: **356308**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1418231										
QC1203165276 356308007 DUP										
Gross Radium Alpha	U	0.776		1.16	pCi/L	39.8		(0% - 100%)	CXP3	09/24/14 13:18
	Uncertainty	+/-0.303		+/-0.327						
QC1203165279 LCS										
Gross Radium Alpha	413			372	pCi/L		90.1	(75%-125%)		09/23/14 14:13
	Uncertainty			+/-5.39						
QC1203165275 MB										
Gross Radium Alpha			U	-0.221	pCi/L					09/24/14 13:18
	Uncertainty			+/-0.218						
QC1203165277 356308007 MS										
Gross Radium Alpha	3330 U	0.776		2790	pCi/L		83.8	(75%-125%)		09/23/14 14:14
	Uncertainty	+/-0.303		+/-41.3						
QC1203165278 356308007 MSD										
Gross Radium Alpha	3330 U	0.776		3000	pCi/L	7.24	90.1	(0%-20%)		09/23/14 14:14
	Uncertainty	+/-0.303		+/-41.9						

Notes:

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

The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

QC Summary

Workorder: **356308**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

GEL Laboratories LLC

a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407

P 843.556.8171 F 843.766.1178

www.gel.com

October 08, 2014

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 356768

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on September 15, 2014. 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. 4487.

Sincerely,

Sylainna Rivers

Sylainna Rivers
Project Manager

Purchase Order: DW16138
Enclosures

Energy Fuels Resources (USA), Inc.
White Mesa Mill GW
SDG: 356768

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 356768

October 08, 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 September 15, 2014 for analysis.

Sample Identification: The laboratory received the following samples:

Laboratory ID	Client ID
356768001	MW-27_09082014
356768002	MW-11_09082014
356768003	MW-30_09092014
356768004	MW-65_09092014

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.

Sylainna Rivers

Sylainna Rivers
Project Manager

356768

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
3rd Quarter Groundwater 2014	Garrin Palmer	Garrin Palmer

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-27_09082014	9/8/2014	1310	Gross Alpha
MW-11_09092014	9/8/2014	1340	Gross Alpha
MW-30_09092014	9/9/2014	1220	Gross Alpha
MW-65_09092014	9/9/2014	1220	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer	9/11/2014 1200		
Relinquished By:(Signature) Garrin Palmer	Date/Time	Received By:(Signature) P. Ahert	Date/Time 9/12/14 0930

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	SDG/AR/COC/Work Order: 356768
Received By: P. Neal	Date Received: 9/15/14

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)? PD 9/15	X	X		Preservation Method: Ice bags Blue ice Dry ice None Other (describe) *all temperatures are recorded in Celsius 17C
2a	Daily check performed and passed on IR temperature gun?	X			Temperature Device Serial #: Secondary Temperature Device Serial # (If Applicable): 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 7122 3646-17c

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials PD Date 9/15/14 Page 1 of 1

Subject: RE: Samples received at GEL today 9/15/14
From: Garrin Palmer <GPalmer@energyfuels.com>
Date: 9/15/2014 12:20 PM
To: Heather Shaffer <Heather.Shaffer@gel.com>, Kathy Weinel <KWeinel@energyfuels.com>
CC: Sylainna Rivers <Sylainna.Rivers@gel.com>

Hi Heather,

The correct label is MW-11_09082014. Sorry for the confusion. Thanks

---
Garrin Palmer
Environmental Technician

6425 S. Highway 191, PO Box 809
Blanding, UT, US, 84511

http://www.energyfuels.com

This e-mail is intended for the exclusive use the of person(s) mentioned as the recipient(s). This message and any attached files with it are confidential and may contain privileged or proprietary information. If you are not the intended recipient(s) please delete this message and notify the sender. You may not use, distribute print or copy this message if you are not the intended recipient(s).

-----Original Message-----
From: Heather Shaffer [mailto:Heather.Shaffer@gel.com]
Sent: Monday, September 15, 2014 9:25 AM
To: Kathy Weinel; Garrin Palmer
Cc: Sylainna Rivers
Subject: Samples received at GEL today 9/15/14

Hi Kathy,

Can you please verify the collection date for one of the samples GEL received today?

The sample ID is MW-11_09092014, but the collection date listed on the COC is 9/8/2014. Please confirm.

Thank you!
Heather

--
Heather Shaffer
Project Manager
GEL Laboratories, LLC
2040 Savage Road
Charleston, SC (USA) 29407
Direct: 843.769.7386
Main: 843.556.8171 xt 4505
Fax: 843.766.1178
E-mail: heather.shaffer@gel.com
Web: www.gel.com

CONFIDENTIALITY NOTICE: This e-mail and any files transmitted with it are the property of The GEL Group, Inc. and its affiliates. All rights, including without limitation copyright, are reserved. The proprietary information contained in this e-mail message, and any files transmitted with it, is intended for the use of the recipient(s) named above. If the reader of this e-mail is not the intended recipient, you are hereby notified that you have received this e-mail in error and that any review, distribution or copying of this e-mail or any files transmitted with it is strictly prohibited. If you have received this e-mail in error, please notify the sender immediately and

delete the original message and any files transmitted. The
unauthorized use of this e-mail or any files transmitted with it
is prohibited and disclaimed by The GEL Group, Inc. and its
affiliates.

GEL Laboratories LLC - Login Review Report

GEL Work Order/SDG: 356768 3rd Quarter GW 2014
Client SDG: 356768
Project Manager: Sylainna Rivers
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 13-OCT-14
Package Due Date: 10-OCT-14
EDD Due Date: 13-OCT-14
Due Date: 13-OCT-14
HXS1

Collector: C
Prelogin #: 20140921311
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
356768001	MW-27_09082014		08-SEP-14 13:10	15-SEP-14 09:30	-2	1	GROUND WATER		20		1		
356768002	MW-11_09082014		08-SEP-14 13:40	15-SEP-14 09:30	-2	1	GROUND WATER		20		1		
356768003	MW-30_09092014		09-SEP-14 12:20	15-SEP-14 09:30	-2	1	GROUND WATER		20		1		
356768004	MW-65_09092014		09-SEP-14 12:20	15-SEP-14 09:30	-2	1	GROUND WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001 MW-27_09082014	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Temperature (C)	17	
-002 MW-11_09082014	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Temperature (C)	17	
-003 MW-30_09092014	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Temperature (C)	17	
-004 MW-65_09092014	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Temperature (C)	17	

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001, 002, 003, 004
Parmname Check: All parmnames scheduled properly

Path: Standard
Product Reference: Gross Alpha
Moisture Correction: "As Received"

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

	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 356768

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1424111

Sample ID	Client ID
356768001	MW-27_09082014
356768002	MW-11_09082014
356768003	MW-30_09092014
356768004	MW-65_09092014
1203179563	MB for batch 1424111
1203179567	Laboratory Control Sample (LCS)
1203179564	356768001(MW-27_09082014) Sample Duplicate (DUP)
1203179565	356768001(MW-27_09082014) Matrix Spike (MS)
1203179566	356768001(MW-27_09082014) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-010 REV# 15.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 356768001 (MW-27_09082014).

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.

Recounts
None of the samples in this sample set were recounted.

Miscellaneous Information:

Data Exception (DER) Documentation
Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Sample-Specific MDA/MDC
The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments
The matrix spike and matrix spike duplicate, 1203179565 (MW-27_09082014) and 1203179566 (MW-27_09082014), 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: 356768 GEL Work Order: 356768

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: 09 OCT 2014 **Title: Analyst I**

GEL LABORATORIES LLC

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

QC Summary

Report Date: October 9, 2014

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

Contact: **Ms. Kathy Weinel**

Workorder: **356768**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1424111										
QC1203179564 356768001 DUP										
Gross Radium Alpha		1.16		1.07	pCi/L	8.54		(0% - 100%)	CXP3	10/08/14 09:05
	Uncertainty	+/-0.269		+/-0.273						
QC1203179567 LCS										
Gross Radium Alpha	413			434	pCi/L		105	(75%-125%)		10/08/14 09:05
	Uncertainty			+/-4.48						
QC1203179563 MB										
Gross Radium Alpha			U	0.345	pCi/L					10/08/14 09:05
	Uncertainty			+/-0.199						
QC1203179565 356768001 MS										
Gross Radium Alpha	1670	1.16		1560	pCi/L		93.5	(75%-125%)		10/08/14 09:05
	Uncertainty	+/-0.269		+/-16.5						
QC1203179566 356768001 MSD										
Gross Radium Alpha	1670	1.16		1610	pCi/L	2.90	96.2	(0%-20%)		10/08/14 09:07
	Uncertainty	+/-0.269		+/-17.6						

Notes:

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

The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

QC Summary

Workorder: **356768**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

GEL Laboratories LLC
a member of The GEL Group INC

PO Box 30712 Charleston, SC 29417
2040 Savage Road Charleston, SC 29407
P 843.556.8171 F 843.766.1178

www.gel.com

October 16, 2014

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 357193

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on September 22, 2014. 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. 4487.

Sincerely,

Sylainna Rivers

Sylainna Rivers
Project Manager

Purchase Order: DW16138
Enclosures

Energy Fuels Resources (USA), Inc.
White Mesa Mill GW
SDG: 357193

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 357193

October 16, 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 September 22, 2014 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
357193001	MW-37_09172014
357193002	MW-70_09172014
357193003	MW-19_09112014

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.

Sylainna Rivers

Sylainna Rivers
Project Manager

357193

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
3rd Quarter GW 2014	Garrin Palmer	

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-37_09172014	9/17/2014	1230	Gross Alpha
MW-70_09172014	9/17/2014	1230	Gross Alpha
MW-19_09112014	9/11/2014	1610	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer	9/18/2014 1000		
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DOM1	**SDG/AR/COC/Work Order:** 357193
Received By: L Tayler	**Date Received:** 092214

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): N/A
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 20
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: 13532792 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 8032 7121 5578

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials HH Date 092214 Page 1 of 1

GL-CHL-SR-001

GEL Laboratories LLC - Login Review Report

GEL Work Order/SDG: 357193
Client SDG: 357193
Project Manager: Sylainna Rivers
Project Name: DNMI00100 White Mesa Mill GW
Purchase Order: DW16138
Package Level: LEVEL3
EDD Format: EIM_DNMI

Work Order Due Date: 20-OCT-14
Package Due Date: 17-OCT-14
EDD Due Date: 20-OCT-14
Due Date: 20-OCT-14
HXT1

Collector: C
Prelogin #: 20140921016
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
357193001	MW-37_09172014		17-SEP-14 12:30	22-SEP-14 09:50	-2	1	GROUND WATER		20		1		
357193002	MW-70_09172014		17-SEP-14 12:30	22-SEP-14 09:50	-2	1	GROUND WATER		20		1		
357193003	MW-19_09112014		11-SEP-14 16:10	22-SEP-14 09:50	-2	1	GROUND WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001 MW-37_09172014	NEW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Temperature (C)	20	
-002 MW-70_09172014	NEW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Temperature (C)	20	
-003 MW-19_09112014	NEW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Temperature (C)	20	

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

Contingent Tests

Action	Product Name	Description	Samples

GEL Laboratories LLC – Login Review Report

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

Radiochemistry Case Narrative
Energy Fuels Resources (DNMI)
SDG 357193

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1424111

Sample ID	Client ID
357193001	MW-37_09172014
357193002	MW-70_09172014
357193003	MW-19_09112014
1203179563	MB for batch 1424111
1203179567	Laboratory Control Sample (LCS)
1203179564	356768001(MW-27_09082014) Sample Duplicate (DUP)
1203179565	356768001(MW-27_09082014) Matrix Spike (MS)
1203179566	356768001(MW-27_09082014) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-010 REV# 15.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 356768001 (MW-27_09082014).

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.

Recounts
None of the samples in this sample set were recounted.

Miscellaneous Information:

Data Exception (DER) Documentation
Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Sample-Specific MDA/MDC
The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments
The matrix spike and matrix spike duplicate, 1203179565 (MW-27_09082014) and 1203179566 (MW-27_09082014), 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: 357193 GEL Work Order: 357193

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: 13 OCT 2014 **Title: Analyst I**

GEL LABORATORIES LLC

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

QC Summary

Report Date: October 13, 2014

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

Contact: **Ms. Kathy Weinel**

Workorder: **357193**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1424111										
QC1203179564 356768001 DUP										
Gross Radium Alpha		1.16		1.07	pCi/L	8.54		(0% - 100%)	CXP3	10/08/14 09:05
	Uncertainty	+/-0.269		+/-0.273						
QC1203179567 LCS										
Gross Radium Alpha	413			434	pCi/L		105	(75%-125%)		10/08/14 09:05
	Uncertainty			+/-4.48						
QC1203179563 MB										
Gross Radium Alpha			U	0.345	pCi/L					10/08/14 09:05
	Uncertainty			+/-0.199						
QC1203179565 356768001 MS										
Gross Radium Alpha	1670	1.16		1560	pCi/L		93.5	(75%-125%)		10/08/14 09:05
	Uncertainty	+/-0.269		+/-16.5						
QC1203179566 356768001 MSD										
Gross Radium Alpha	1670	1.16		1610	pCi/L	2.90	96.2	(0%-20%)		10/08/14 09:07
	Uncertainty	+/-0.269		+/-17.6						

Notes:

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

The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

QC Summary

Workorder: **357193**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab F

Laboratory Analytical Reports – Accelerated Monitoring

Tab F1

Laboratory Analytical Reports – Accelerated Monitoring

July 2014

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1407498-01

Name:	**Energy Fuels**	***Sample Date:***	7/29/2014 11:40 AM
Sample Site:	MW-11_07292014	***Receipt Date:***	7/30/2014 9:30 AM
Comments:	White Mesa Mill	***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals							
Manganese, Dissolved	0.139	0.010	mg/L	EPA 200.7	08/05/2014 11:10	8/5/2014 13:31	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1407498-02

Name:	**Energy Fuels**	***Sample Date:***	7/28/2014 2:45 PM
Sample Site:	MW-25_07282014	***Receipt Date:***	7/30/2014 9:30 AM
Comments:	White Mesa Mill	***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Fluoride	0.3	0.1	mg/L	EPA 300.0	07/30/2014 15:00	7/30/2014 15:00	
Metals							
Cadmium, Dissolved	0.0013	0.0010	mg/L	EPA 200.8	07/31/2014 09:22	7/31/2014 13:46	
Radiochemistry							
Uranium, Dissolved	0.0059	0.0025	mg/L	EPA 200.8	07/31/2014 09:22	7/31/2014 13:46	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1407498-03

Name:	**Energy Fuels**	***Sample Date:***	7/29/2014 8:30 AM
Sample Site:	MW-26_07292014	***Receipt Date:***	7/30/2014 9:30 AM
Comments:	White Mesa Mill	***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Chloride	80	2	mg/L	EPA 300.0	07/30/2014 15:00	7/30/2014 15:00	
Nitrate + Nitrite, Total	2.0	1.0	mg/L	EPA 353.2	08/08/2014 11:30	8/8/2014 11:32	
Radiochemistry							
Uranium, Dissolved	0.0865	0.0025	mg/L	EPA 200.8	07/31/2014 09:22	7/31/2014 13:56	
Volatile Organic Compounds							
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	07/30/2014 21:06	7/30/2014 21:06	
Chloroform	2330	1.0	ug/L	EPA 8260B	07/30/2014 21:06	7/30/2014 21:06	
Methylene Chloride	9.6	1.0	ug/L	EPA 8260B	07/30/2014 21:06	7/30/2014 21:06	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1407498-04

Name:	**Energy Fuels**	***Sample Date:***	7/29/2014 10:55 AM
Sample Site:	MW-30_07292014	***Receipt Date:***	7/30/2014 9:30 AM
Comments:	White Mesa Mill	***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Chloride	140	5	mg/L	EPA 300.0	07/30/2014 15:00	7/30/2014 15:00	
Nitrate + Nitrite, Total	15.6	1.0	mg/L	EPA 353.2	08/08/2014 11:30	8/8/2014 11:32	
Metals							
Selenium, Dissolved	0.0429	0.0050	mg/L	EPA 200.8	07/31/2014 09:22	7/31/2014 14:01	
Radiochemistry							
Uranium, Dissolved	0.0074	0.0025	mg/L	EPA 200.8	07/31/2014 09:22	7/31/2014 14:01	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1407498-05

Name:	**Energy Fuels**	***Sample Date:***	7/28/2014 1:45 PM
Sample Site:	MW-31_07282014	***Receipt Date:***	7/30/2014 9:30 AM
Comments:	White Mesa Mill	***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Chloride	200	10	mg/L	EPA 300.0	07/30/2014 15:00	7/30/2014 15:00	
Nitrate + Nitrite, Total	19.0	10.0	mg/L	EPA 353.2	08/08/2014 11:30	8/8/2014 11:32	
Sulfate	600	10	mg/L	EPA 300.0	07/30/2014 15:00	7/30/2014 15:00	
Total Dissolved Solids (TDS)	1400	20	mg/L	SM 2540 C	07/30/2014 11:04	7/30/2014 11:04	
Metals							
Selenium, Dissolved	0.0779	0.0050	mg/L	EPA 200.8	07/31/2014 09:22	7/31/2014 14:05	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1407498-06

Name:	**Energy Fuels**	***Sample Date:***	7/29/2014 1:15 PM
Sample Site:	MW-35_07292014	***Receipt Date:***	7/30/2014 9:30 AM
Comments:	White Mesa Mill	***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals							
Manganese, Dissolved	0.212	0.010	mg/L	EPA 200.7	08/05/2014 11:10	8/5/2014 13:35	
Selenium, Dissolved	0.0132	0.0050	mg/L	EPA 200.8	07/31/2014 09:22	7/31/2014 14:28	
Thallium, Dissolved	ND	0.0005	mg/L	EPA 200.8	07/31/2014 09:22	7/31/2014 14:28	
Radiochemistry							
Uranium, Dissolved	0.0265	0.0010	mg/L	EPA 200.8	07/31/2014 09:22	7/31/2014 14:28	

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 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-35_07292014	Project:	DNMI00100
Sample ID:	354110001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	29-JUL-14 13:15		
Receive Date:	06-AUG-14		
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		3.09	+/-0.479	0.992	1.00	pCi/L		CXP3	08/29/14	1141	1413218	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			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.

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1407498-07

Name:	**Energy Fuels**	***Sample Date:***	7/29/2014 1:15 PM
Sample Site:	MW-65_07292014	***Receipt Date:***	7/30/2014 9:30 AM
Comments:	White Mesa Mill	***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals							
Manganese, Dissolved	0.221	0.010	mg/L	EPA 200.7	08/05/2014 11:10	8/5/2014 13:47	
Selenium, Dissolved	0.0127	0.0050	mg/L	EPA 200.8	07/31/2014 09:22	7/31/2014 14:44	
Thallium, Dissolved	ND	0.0005	mg/L	EPA 200.8	07/31/2014 09:22	7/31/2014 14:44	
Radiochemistry							
Uranium, Dissolved	0.0225	0.0010	mg/L	EPA 200.8	07/31/2014 09:22	7/31/2014 14:44	

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 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-65_07292014	Project:	DNMI00100
Sample ID:	354110002	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	29-JUL-14 13:15		
Receive Date:	06-AUG-14		
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		4.00	+/-0.549	0.985	1.00	pCi/L		CXP3	08/29/14	1142	1413218	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			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.

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1407498-09

Name:	**Energy Fuels**	***Sample Date:***	7/28/2014 12:00 AM
Sample Site:	Trip Blank	***Receipt Date:***	7/30/2014 9:30 AM
Comments:	White Mesa Mill	***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Volatile Organic Compounds							
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	07/30/2014 20:40	7/30/2014 20:40	
Chloroform	ND	1.0	ug/L	EPA 8260B	07/30/2014 20:40	7/30/2014 20:40	
Methylene Chloride	ND	1.0	ug/L	EPA 8260B	07/30/2014 20:40	7/30/2014 20:40	

CHEMTECH-FORD
LABORATORIES

9/16/2014

Work Order: 1407498

Energy Fuels

Attn: Kathy Weinel

6425 South Highway 191

Blanding, UT 84511

Client Service Contact: 801.262.7299

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.

Approved By:

Dave Gayer, Laboratory Director

CHEMTECH-FORD
LABORATORIES

Case Narrative for Sample Delivery Group - 1407498

Energy Fuels

SampleID	SampleName	Matrix	Sampled	Received
1407498-01	MW-11_07292014	Water	07/29/2014	07/30/2014
1407498-02	MW-25_07282014	Water	07/28/2014	07/30/2014
1407498-03	MW-26_07292014	Water	07/29/2014	07/30/2014
1407498-04	MW-30_07292014	Water	07/29/2014	07/30/2014
1407498-05	MW-31_07282014	Water	07/28/2014	07/30/2014
1407498-06	MW-35_07292014	Water	07/29/2014	07/30/2014
1407498-07	MW-65_07292014	Water	07/29/2014	07/30/2014
1407498-08	MW-100_07282014	Water	07/28/2014	07/30/2014
1407498-09	Trip Blank	Water	07/28/2014	07/30/2014

Method Blanks

All method blanks were below the Minimum Reporting Limit (MRL).

Laboratory Control Samples

All Laboratory Control Sample (LCS) recoveries were within laboratory control limits.

Holding Times

All preparations and analyses were performed within holding times

Matrix Spike/Matrix Spike Duplicate

All Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries were within control except where noted on the QC report.

Surrogates

All surrogates were within laboratory control limits.

Analytical Summary - 1407498

Lab ID: 1407498-01
Client ID: MW-11_07292014
Matrix: Water

Analyses
EPA 200.7

Lab ID: 1407498-02
Client ID: MW-25_07282014
Matrix: Water

Analyses
EPA 200.8
EPA 300.0

Lab ID: 1407498-03
Client ID: MW-26_07292014
Matrix: Water

Analyses
EPA 200.8
EPA 300.0
EPA 353.2
EPA 8260B

Lab ID: 1407498-04
Client ID: MW-30_07292014
Matrix: Water

Analyses
EPA 200.8
EPA 300.0
EPA 353.2

Lab ID: 1407498-05
Client ID: MW-31_07282014
Matrix: Water

Analyses
EPA 200.8
EPA 300.0
EPA 353.2
SM 2540 C

Lab ID: 1407498-06
Client ID: MW-35_07292014
Matrix: Water

Analyses
EPA 200.7

EPA 200.8

Lab ID: 1407498-07

Client ID: MW-65_07292014

Matrix: Water

Analyses

EPA 200.7

EPA 200.8

Lab ID: 1407498-08

Client ID: MW-100_07282014

Matrix: Water

Analyses

EPA 8260B

Lab ID: 1407498-09

Client ID: Trip Blank

Matrix: Water

Analyses

EPA 8260B

QC Summary for Sample Delivery Group - 1407498

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 200.7																		
B408088-BLK1	Manganese, Dissolved						-0.000					B408088		08/05/14	08/05/14	0.00	0.00	1
Calibration Blank - Method EPA 200.7																		
4H05005-CCB1	Manganese, Dissolved						0.0002					4H05005		08/05/14	08/05/14			1
4H05005-CCB2	Manganese, Dissolved						0.0001					4H05005		08/05/14	08/05/14			1
Calibration Check - Method EPA 200.7																		
4H05005-CCV1	Manganese, Dissolved	98.7		90	110		1.97			2.00		4H05005		08/05/14	08/05/14			1
4H05005-CCV2	Manganese, Dissolved	98.9		90	110		1.98			2.00		4H05005		08/05/14	08/05/14			1
Initial Cal Blank - Method EPA 200.7																		
4H05005-ICB1	Manganese, Dissolved						0.0002					4H05005		08/05/14	08/05/14			1
Initial Cal Check - Method EPA 200.7																		
4H05005-ICV1	Manganese, Dissolved	98.7		95	105		1.97			2.00		4H05005		08/05/14	08/05/14			1
LCS - Method EPA 200.7																		
B408088-BS1	Manganese, Dissolved	99.6		85	115		0.199			0.200		B408088		08/05/14	08/05/14	0.00	0.00	1
Matrix Spike - Method EPA 200.7																		
B408088-MS1	Manganese, Dissolved	111		70	130		0.225	XXXXXXX-XX	0.002	0.200		B408088		08/05/14	08/05/14	0.00	0.00	1
B408088-MS2	Manganese, Dissolved	99.1		70	130		0.198	XXXXXXX-XX	0	0.200		B408088		08/05/14	08/05/14	0.00	0.00	1
B408088-MS3	Manganese, Dissolved	104		70	130		0.420	**1407498-06**	0.212	0.200		B408088		08/05/14	08/05/14	0.00	0.00	1
Matrix Spike Dup - Method EPA 200.7																		
B408088-MSD1	Manganese, Dissolved	95.5	15.2	70	130	20	0.193	XXXXXXX-XX	0.002	0.200		B408088		08/05/14	08/05/14	0.00	0.00	1
B408088-MSD2	Manganese, Dissolved	102	3.06	70	130	20	0.204	XXXXXXX-XX	0	0.200		B408088		08/05/14	08/05/14	0.00	0.00	1
B408088-MSD3	Manganese, Dissolved	102	0.901	70	130	20	0.416	**1407498-06**	0.212	0.200		B408088		08/05/14	08/05/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 200.8																		
B407786-BLK1	Cadmium, Dissolved						0.0000					B407786		07/31/14	07/31/14	0.00	0.00	1
B407786-BLK1	Selenium, Dissolved						0.0000					B407786		07/31/14	07/31/14	0.00	0.00	1
B407786-BLK1	Thallium, Dissolved						-0.000					B407786		07/31/14	07/31/14	0.00	0.00	1
B407786-BLK1	Uranium, Dissolved						-0.000					B407786		07/31/14	07/31/14	0.00	0.00	1
Calibration Blank - Method EPA 200.8																		
4G31007-CCB1	Cadmium, Dissolved						0.0000					4G31007		07/31/14	07/31/14			1
4G31007-CCB1	Selenium, Dissolved						0.0000					4G31007		07/31/14	07/31/14			1
4G31007-CCB1	Thallium, Dissolved						0.0000					4G31007		07/31/14	07/31/14			1
4G31007-CCB1	Uranium, Dissolved						0.0000					4G31007		07/31/14	07/31/14			1
Calibration Check - Method EPA 200.8																		
4G31007-CCV1	Cadmium, Dissolved	98.7		90	110		0.039			0.0400		4G31007		07/31/14	07/31/14			1
4G31007-CCV1	Selenium, Dissolved	99.1		90	110		0.040			0.0400		4G31007		07/31/14	07/31/14			1
4G31007-CCV1	Thallium, Dissolved	102		90	110		0.041			0.0400		4G31007		07/31/14	07/31/14			1
4G31007-CCV1	Uranium, Dissolved	99.6		90	110		0.040			0.0400		4G31007		07/31/14	07/31/14			1
Initial Cal Blank - Method EPA 200.8																		
4G31007-ICB1	Cadmium, Dissolved						0.0000					4G31007		07/31/14	07/31/14			1
4G31007-ICB1	Selenium, Dissolved						0.0000					4G31007		07/31/14	07/31/14			1
4G31007-ICB1	Thallium, Dissolved						0.0000					4G31007		07/31/14	07/31/14			1
4G31007-ICB1	Uranium, Dissolved						0.0000					4G31007		07/31/14	07/31/14			1
Initial Cal Check - Method EPA 200.8																		
4G31007-ICV1	Cadmium, Dissolved	99.7		90	110		0.040			0.0400		4G31007		07/31/14	07/31/14			1
4G31007-ICV1	Selenium, Dissolved	100		90	110		0.040			0.0400		4G31007		07/31/14	07/31/14			1
4G31007-ICV1	Thallium, Dissolved	104		90	110		0.041			0.0400		4G31007		07/31/14	07/31/14			1
4G31007-ICV1	Uranium, Dissolved	99.1		90	110		0.040			0.0400		4G31007		07/31/14	07/31/14			1

LCS - Method EPA 200.8

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B407786-BS1	Cadmium, Dissolved	95.5		85	115		0.038			0.0400		B407786		07/31/14	07/31/14	0.00	0.00	1
B407786-BS1	Selenium, Dissolved	96.2		85	115		0.038			0.0400		B407786		07/31/14	07/31/14	0.00	0.00	1
B407786-BS1	Thallium, Dissolved	100		85	115		0.040			0.0400		B407786		07/31/14	07/31/14	0.00	0.00	1
B407786-BS1	Uranium, Dissolved	96.0		85	115		0.038			0.0400		B407786		07/31/14	07/31/14	0.00	0.00	1

Matrix Spike - Method EPA 200.8

B407786-MS1	Cadmium, Dissolved	96.0		70	130		0.193	**1407498-02**	0.001	0.200		B407786		07/31/14	07/31/14	0.00	0.00	1
B407786-MS1	Selenium, Dissolved	100		70	130		0.202	**1407498-02**	0.002	0.200		B407786		07/31/14	07/31/14	0.00	0.00	1
B407786-MS1	Thallium, Dissolved	79.4		70	130		0.160	**1407498-02**	0.0007	0.200		B407786		07/31/14	07/31/14	0.00	0.00	1
B407786-MS1	Uranium, Dissolved	101		70	130		0.207	**1407498-02**	0.006	0.200		B407786		07/31/14	07/31/14	0.00	0.00	1
B407786-MS2	Cadmium, Dissolved	91.8		70	130		0.184	**1407498-05**	0	0.200		B407786		07/31/14	07/31/14	0.00	0.00	1
B407786-MS2	Selenium, Dissolved	88.7		70	130		0.255	**1407498-05**	0.078	0.200		B407786		07/31/14	07/31/14	0.00	0.00	1
B407786-MS2	Thallium, Dissolved	80.4		70	130		0.161	**1407498-05**	0	0.200		B407786		07/31/14	07/31/14	0.00	0.00	1
B407786-MS2	Uranium, Dissolved	97.4		70	130		0.203	**1407498-05**	0.008	0.200		B407786		07/31/14	07/31/14	0.00	0.00	1
B407786-MS3	Cadmium, Dissolved	85.6		70	130		0.068	**1407498-06**	0	0.0800		B407786		07/31/14	07/31/14	0.00	0.00	1
B407786-MS3	Selenium, Dissolved	83.4		70	130		0.080	**1407498-06**	0.013	0.0800		B407786		07/31/14	07/31/14	0.00	0.00	1
B407786-MS3	Thallium, Dissolved	**67.6**		70	130		0.054	**1407498-06**	0.0003	0.0800		B407786		07/31/14	07/31/14	0.00	0.00	1
QM-07 - The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.																		
B407786-MS3	Uranium, Dissolved	103		70	130		0.109	**1407498-06**	0.026	0.0800		B407786		07/31/14	07/31/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Calibration Blank - Method EPA 300.0																		
4G31001-CCB1	Chloride						0					4G31001		07/30/14	07/30/14			1
4G31001-CCB1	Fluoride						0.0					4G31001		07/30/14	07/30/14			1
4G31001-CCB1	Sulfate						0					4G31001		07/30/14	07/30/14			1
4G31001-CCB2	Chloride						0					4G31001		07/30/14	07/30/14			1
4G31001-CCB2	Fluoride						0.0					4G31001		07/30/14	07/30/14			1
4G31001-CCB2	Sulfate						0					4G31001		07/30/14	07/30/14			1
4G31001-CCB3	Chloride						0					4G31001		07/30/14	07/30/14			1
4G31001-CCB3	Fluoride						0.0					4G31001		07/30/14	07/30/14			1
4G31001-CCB3	Sulfate						0					4G31001		07/30/14	07/30/14			1
4G31001-CCB4	Chloride						0					4G31001		07/30/14	07/30/14			1
4G31001-CCB4	Fluoride						0.0					4G31001		07/30/14	07/30/14			1
4G31001-CCB4	Sulfate						0					4G31001		07/30/14	07/30/14			1
4G31001-CCB5	Chloride						0					4G31001		07/30/14	07/30/14			1
4G31001-CCB5	Fluoride						0.0					4G31001		07/30/14	07/30/14			1
4G31001-CCB5	Sulfate						0					4G31001		07/30/14	07/30/14			1
Calibration Check - Method EPA 300.0																		
4G31001-CCV1	Chloride	100		90	110		20			20.0		4G31001		07/30/14	07/30/14			1
4G31001-CCV1	Fluoride	95.0		90	110		1.9			2.00		4G31001		07/30/14	07/30/14			1
4G31001-CCV1	Sulfate	97.5		90	110		39			40.0		4G31001		07/30/14	07/30/14			1
4G31001-CCV2	Chloride	100		90	110		20			20.0		4G31001		07/30/14	07/30/14			1
4G31001-CCV2	Fluoride	95.0		90	110		1.9			2.00		4G31001		07/30/14	07/30/14			1
4G31001-CCV2	Sulfate	97.5		90	110		39			40.0		4G31001		07/30/14	07/30/14			1
4G31001-CCV3	Chloride	100		90	110		20			20.0		4G31001		07/30/14	07/30/14			1
4G31001-CCV3	Fluoride	95.0		90	110		1.9			2.00		4G31001		07/30/14	07/30/14			1
4G31001-CCV3	Sulfate	97.5		90	110		39			40.0		4G31001		07/30/14	07/30/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4G31001-CCV4	Chloride	100		90	110		20			20.0		4G31001		07/30/14	07/30/14			1
4G31001-CCV4	Fluoride	95.0		90	110		1.9			2.00		4G31001		07/30/14	07/30/14			1
4G31001-CCV4	Sulfate	97.5		90	110		39			40.0		4G31001		07/30/14	07/30/14			1
4G31001-CCV5	Chloride	100		90	110		20			20.0		4G31001		07/30/14	07/30/14			1
4G31001-CCV5	Fluoride	95.0		90	110		1.9			2.00		4G31001		07/30/14	07/30/14			1
4G31001-CCV5	Sulfate	95.0		90	110		38			40.0		4G31001		07/30/14	07/30/14			1
LCSW - Method EPA 300.0																		
B407777-BS1	Chloride	102		90	110		51			50.0		B407777		07/30/14	07/30/14	0.07	1	1
B407777-BS1	Fluoride	98.0		90	110		4.9			5.00		B407777		07/30/14	07/30/14	0.02	0.1	1
B407777-BS1	Sulfate	101		90	110		101			100		B407777		07/30/14	07/30/14	0.2	1	1
B407777-BS2	Chloride	100		90	110		50			50.0		B407777		07/30/14	07/30/14	0.07	1	1
B407777-BS2	Fluoride	96.0		90	110		4.8			5.00		B407777		07/30/14	07/30/14	0.02	0.1	1
B407777-BS2	Sulfate	97.0		90	110		97			100		B407777		07/30/14	07/30/14	0.2	1	1
B407778-BS1	Chloride	100		90	110		50			50.0		B407778		07/30/14	07/30/14	0.07	1	1
B407778-BS1	Fluoride	96.0		90	110		4.8			5.00		B407778		07/30/14	07/30/14	0.02	0.1	1
B407778-BS1	Sulfate	98.0		90	110		98			100		B407778		07/30/14	07/30/14	0.2	1	1
B407778-BS2	Chloride	100		90	110		50			50.0		B407778		07/30/14	07/30/14	0.07	1	1
B407778-BS2	Fluoride	96.0		90	110		4.8			5.00		B407778		07/30/14	07/30/14	0.02	0.1	1
B407778-BS2	Sulfate	97.0		90	110		97			100		B407778		07/30/14	07/30/14	0.2	1	1
LCSW Dup - Method EPA 300.0																		
B407777-BSD1	Chloride	102	0.00	90	110	20	51			50.0		B407777		07/30/14	07/30/14	0.07	1	1
B407777-BSD1	Fluoride	100	2.02	90	110	20	5.0			5.00		B407777		07/30/14	07/30/14	0.02	0.1	1
B407777-BSD1	Sulfate	100	0.995	90	110	200	100			100		B407777		07/30/14	07/30/14	0.2	1	1
B407777-BSD2	Chloride	102	1.98	90	110	20	51			50.0		B407777		07/30/14	07/30/14	0.07	1	1
B407777-BSD2	Fluoride	98.0	2.06	90	110	20	4.9			5.00		B407777		07/30/14	07/30/14	0.02	0.1	1
B407777-BSD2	Sulfate	100	3.05	90	110	200	100			100		B407777		07/30/14	07/30/14	0.2	1	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B407778-BSD1	Chloride	100	0.00	90	110	20	50			50.0		B407778		07/30/14	07/30/14	0.07	1	1
B407778-BSD1	Fluoride	96.0	0.00	90	110	20	4.8			5.00		B407778		07/30/14	07/30/14	0.02	0.1	1
B407778-BSD1	Sulfate	97.0	1.03	90	110	200	97			100		B407778		07/30/14	07/30/14	0.2	1	1
B407778-BSD2	Chloride	100	0.00	90	110	20	50			50.0		B407778		07/30/14	07/30/14	0.07	1	1
B407778-BSD2	Fluoride	96.0	0.00	90	110	20	4.8			5.00		B407778		07/30/14	07/30/14	0.02	0.1	1
B407778-BSD2	Sulfate	97.0	0.00	90	110	200	97			100		B407778		07/30/14	07/30/14	0.2	1	1

Matrix Spike - Method EPA 300.0

B407777-MS1	Chloride	90.0		80	120		27	XXXXXXX-XX	18	10.0		B407777		07/30/14	07/30/14	0.07	1	1
B407777-MS1	Fluoride	90.0		80	120		1.2	XXXXXXX-XX	0.3	1.00		B407777		07/30/14	07/30/14	0.02	0.1	1
B407777-MS1	Sulfate	90.0		80	120		44	XXXXXXX-XX	26	20.0		B407777		07/30/14	07/30/14	0.2	1	1
B407777-MS2	Chloride	100		80	120		130	**1407498-02**	30	100		B407777		07/30/14	07/30/14	0.7	10	10
B407777-MS2	Fluoride	97.0		80	120		10.0	**1407498-02**	0.3	10.0		B407777		07/30/14	07/30/14	0.2	1.0	10
B407777-MS2	Sulfate	115		80	120		1820	**1407498-02**	1590	200		B407777		07/30/14	07/30/14	2	10	10
B407778-MS1	Chloride	90.0		80	120		490	XXXXXXX-XX	400	100		B407778		07/30/14	07/30/14	0.7	10	10
B407778-MS1	Fluoride	96.0		80	120		10.0	XXXXXXX-XX	0.4	10.0		B407778		07/30/14	07/30/14	0.2	1.0	10
B407778-MS1	Sulfate	94.5		80	120		230	XXXXXXX-XX	41	200		B407778		07/30/14	07/30/14	2	10	10
B407778-MS2	Chloride	90.0		80	120		290	**1407498-05**	200	100		B407778		07/30/14	07/30/14	0.7	10	10
B407778-MS2	Fluoride	90.0		80	120		10.0	**1407498-05**	1.0	10.0		B407778		07/30/14	07/30/14	0.2	1.0	10
B407778-MS2	Sulfate	90.0		80	120		780	**1407498-05**	600	200		B407778		07/30/14	07/30/14	2	10	10

Matrix Spike Dup - Method EPA 300.0

B407777-MSD1	Chloride	90.0	0.00	80	120	20	27	XXXXXXX-XX	18	10.0		B407777		07/30/14	07/30/14	0.07	1	1
B407777-MSD1	Fluoride	90.0	0.00	80	120	20	1.2	XXXXXXX-XX	0.3	1.00		B407777		07/30/14	07/30/14	0.02	0.1	1
B407777-MSD1	Sulfate	90.0	0.00	80	120	20	44	XXXXXXX-XX	26	20.0		B407777		07/30/14	07/30/14	0.2	1	1
B407777-MSD2	Chloride	100	0.00	80	120	20	130	**1407498-02**	30	100		B407777		07/30/14	07/30/14	0.7	10	10
B407777-MSD2	Fluoride	97.0	0.00	80	120	20	10.0	**1407498-02**	0.3	10.0		B407777		07/30/14	07/30/14	0.2	1.0	10
B407777-MSD2	Sulfate	120	0.548	80	120	20	1830	**1407498-02**	1590	200		B407777		07/30/14	07/30/14	2	10	10

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B407778-MSD1	Chloride	90.0	0.00	80	120	20	490	XXXXXXX-XX	400	100		B407778		07/30/14	07/30/14	0.7	10	10
B407778-MSD1	Fluoride	96.0	0.00	80	120	20	10.0	XXXXXXX-XX	0.4	10.0		B407778		07/30/14	07/30/14	0.2	1.0	10
B407778-MSD1	Sulfate	99.5	4.26	80	120	20	240	XXXXXXX-XX	41	200		B407778		07/30/14	07/30/14	2	10	10
B407778-MSD2	Chloride	100	3.39	80	120	20	300	**1407498-05**	200	100		B407778		07/30/14	07/30/14	0.7	10	10
B407778-MSD2	Fluoride	90.0	0.00	80	120	20	10.0	**1407498-05**	1.0	10.0		B407778		07/30/14	07/30/14	0.2	1.0	10
B407778-MSD2	Sulfate	95.0	1.27	80	120	20	790	**1407498-05**	600	200		B407778		07/30/14	07/30/14	2	10	10

PBW - Method EPA 300.0

B407777-BLK1	Chloride						0					B407777		07/30/14	07/30/14	0.07	1	1
B407777-BLK1	Fluoride						0.0					B407777		07/30/14	07/30/14	0.02	0.1	1
B407777-BLK1	Sulfate						0					B407777		07/30/14	07/30/14	0.2	1	1
B407777-BLK2	Chloride						0					B407777		07/30/14	07/30/14	0.07	1	1
B407777-BLK2	Fluoride						0.0					B407777		07/30/14	07/30/14	0.02	0.1	1
B407777-BLK2	Sulfate						0					B407777		07/30/14	07/30/14	0.2	1	1
B407778-BLK1	Chloride						0					B407778		07/30/14	07/30/14	0.07	1	1
B407778-BLK1	Fluoride						0.0					B407778		07/30/14	07/30/14	0.02	0.1	1
B407778-BLK1	Sulfate						0					B407778		07/30/14	07/30/14	0.2	1	1
B407778-BLK2	Chloride						0					B407778		07/30/14	07/30/14	0.07	1	1
B407778-BLK2	Fluoride						0.0					B407778		07/30/14	07/30/14	0.02	0.1	1
B407778-BLK2	Sulfate						0					B407778		07/30/14	07/30/14	0.2	1	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 353.2																		
B408228-BLK1	Nitrate + Nitrite, Total						0.04					B408228		08/08/14	08/08/14	0.03	0.1	1
Calibration Blank - Method EPA 353.2																		
4H08014-CCB1	Nitrate + Nitrite, Total						0.01					4H08014		08/08/14	08/08/14			1
Calibration Check - Method EPA 353.2																		
4H08014-CCV1	Nitrate + Nitrite, Total	99.0		90	110		1.0			1.00		4H08014		08/08/14	08/08/14			1
Initial Cal Blank - Method EPA 353.2																		
4H08014-ICB1	Nitrate + Nitrite, Total						0.02					4H08014		08/08/14	08/08/14			1
Initial Cal Check - Method EPA 353.2																		
4H08014-ICV1	Nitrate + Nitrite, Total	97.0		90	110		1.0			1.00		4H08014		08/08/14	08/08/14			1
LCS - Method EPA 353.2																		
B408228-BS1	Nitrate + Nitrite, Total	90.0		90	110		1.8			2.00		B408228		08/08/14	08/08/14	0.03	0.1	1
Matrix Spike - Method EPA 353.2																		
B408228-MS1	Nitrate + Nitrite, Total	87.0		80	120		106	**1407498-05**	19.0	100		B408228		08/08/14	08/08/14	3.0	10.0	100
Matrix Spike Dup - Method EPA 353.2																		
B408228-MSD1	Nitrate + Nitrite, Total	88.0	0.939	80	120	20	107	**1407498-05**	19.0	100		B408228		08/08/14	08/08/14	3.0	10.0	100

Blank - Method EPA 8260B

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B407796-BLK1	1,1,1,2-Tetrachloroethane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,1,1-Trichloroethane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,1,2,2-Tetrachloroethane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,1,2-Trichloroethane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,1,2-Trichlorotrifluoroethane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,1-Dichloroethane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,1-Dichloroethene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,1-Dichloropropene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,2,3-Trichlorobenzene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,2,3-Trichloropropane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,2,4-Trichlorobenzene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,2,4-Trimethylbenzene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,2-Dibromo-3-chloropropane						0.00				Yes	B407796		07/30/14	07/30/14	1.0	1.0	1
B407796-BLK1	1,2-Dibromoethane (EDB)						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,2-Dichlorobenzene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,2-Dichloroethane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,2-Dichloroethane-d4	97.0		70	130		9.70			10.0	Yes	B407796		07/30/14	07/30/14			1
B407796-BLK1	1,2-Dichloropropane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,3,5-Trimethylbenzene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,3-Dichlorobenzene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,3-Dichloropropane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	1,4-Dichlorobenzene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	2,2-Dichloropropane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	2-Chlorotoluene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	2-Nitropropane						0.00				Yes	B407796		07/30/14	07/30/14	10.0	10.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B407796-BLK1	4-Bromofluorobenzene	95.2		70	130		9.52			10.0	Yes	B407796		07/30/14	07/30/14			1
B407796-BLK1	4-Chlorotoluene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	4-Isopropyltoluene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Acetone						0.00				Yes	B407796		07/30/14	07/30/14	10.0	10.0	1
B407796-BLK1	Benzene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Bromobenzene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Bromochloromethane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Bromodichloromethane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Bromoform						0.00				Yes	B407796		07/30/14	07/30/14	1.0	1.0	1
B407796-BLK1	Bromomethane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Carbon Disulfide						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Carbon Tetrachloride						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Chlorobenzene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Chloroethane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Chloroform						0.49				Yes	B407796		07/30/14	07/30/14	1.0	1.0	1
B407796-BLK1	Chloromethane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	cis-1,2-Dichloroethene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	cis-1,3-Dichloropropene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Cyclohexanone						0.00				Yes	B407796		07/30/14	07/30/14	20.0	20.0	1
B407796-BLK1	Dibromochloromethane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Dibromomethane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Dichlorodifluoromethane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Ethyl Acetate						0.00				Yes	B407796		07/30/14	07/30/14	10.0	10.0	1
B407796-BLK1	Ethyl Ether						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Ethylbenzene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Hexachlorobutadiene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B407796-BLK1	Isobutanol						0.00				Yes	B407796		07/30/14	07/30/14	10.0	10.0	1
B407796-BLK1	Isopropylbenzene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Methyl Ethyl Ketone						0.00				Yes	B407796		07/30/14	07/30/14	10.0	10.0	1
B407796-BLK1	Methyl Isobutyl Ketone						0.00				Yes	B407796		07/30/14	07/30/14	10.0	10.0	1
B407796-BLK1	Methylene Chloride						0.00				Yes	B407796		07/30/14	07/30/14	1.0	1.0	1
B407796-BLK1	Methyl-tert-butyl ether (MTBE)						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Naphthalene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	n-Butyl Alcohol						0.00				Yes	B407796		07/30/14	07/30/14	40.0	40.0	1
B407796-BLK1	n-Butylbenzene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Nitrobenzene						0.00				Yes	B407796		07/30/14	07/30/14	20.0	20.0	1
B407796-BLK1	n-Propyl Benzene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	p-Isopropyltoluene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	sec-Butyl Benzene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Styrene						0.00				Yes	B407796		07/30/14	07/30/14	1.0	1.0	1
B407796-BLK1	tert-Butylbenzene						0.00				Yes	B407796		07/30/14	07/30/14	1.0	1.0	1
B407796-BLK1	Tetrachloroethene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Toluene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Toluene-d8	101		70	130		10.1			10.0	Yes	B407796		07/30/14	07/30/14			1
B407796-BLK1	trans-1,2-Dichloroethene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	trans-1,3-Dichloropropene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Trichloroethene						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Trichlorofluoromethane						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Vinyl Chloride						0.00				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BLK1	Xylenes, total						0.35				Yes	B407796		07/30/14	07/30/14	0.3	1.0	1

LCS - Method EPA 8260B

B407796-BS1	1,1-Dichloroethene	119		70	130		11.9			10.0	Yes	B407796		07/30/14	07/30/14	0.3	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B407796-BS1	1,2-Dichloroethane-d4	97.3		70	130		9.73			10.0	Yes	B407796		07/30/14	07/30/14			1
B407796-BS1	4-Bromofluorobenzene	99.4		70	130		9.94			10.0	Yes	B407796		07/30/14	07/30/14			1
B407796-BS1	Benzene	106		70	130		10.6			10.0	Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BS1	Chlorobenzene	102		70	130		10.2			10.0	Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BS1	Toluene	103		70	130		10.3			10.0	Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
B407796-BS1	Toluene-d8	102		70	130		10.2			10.0	Yes	B407796		07/30/14	07/30/14			1
B407796-BS1	Trichloroethene	109		70	130		10.9			10.0	Yes	B407796		07/30/14	07/30/14	0.3	1.0	1
Matrix Spike - Method EPA 8260B																		
B407796-MS1	1,1-Dichloroethene	109		70	130		21.7	**1407498-03**	0	20.0	Yes	B407796		07/30/14	07/30/14	0.6	2.0	1
B407796-MS1	1,2-Dichloroethane-d4	99.5		70	130		19.9	**1407498-03**		20.0	Yes	B407796		07/30/14	07/30/14			1
B407796-MS1	4-Bromofluorobenzene	98.1		70	130		19.6	**1407498-03**		20.0	Yes	B407796		07/30/14	07/30/14			1
B407796-MS1	Benzene	102		70	130		20.3	**1407498-03**	0	20.0	Yes	B407796		07/30/14	07/30/14	0.6	2.0	1
B407796-MS1	Chlorobenzene	101		70	130		20.3	**1407498-03**	0	20.0	Yes	B407796		07/30/14	07/30/14	0.6	2.0	1
B407796-MS1	Toluene	100		70	130		20.1	**1407498-03**	0	20.0	Yes	B407796		07/30/14	07/30/14	0.6	2.0	1
B407796-MS1	Toluene-d8	103		70	130		20.5	**1407498-03**		20.0	Yes	B407796		07/30/14	07/30/14			1
B407796-MS1	Trichloroethene	106		70	130		21.2	**1407498-03**	0	20.0	Yes	B407796		07/30/14	07/30/14	0.6	2.0	1
B407796-MS2	1,1-Dichloroethene	106		70	130		10.6	**1407498-08**	0	10.0	Yes	B407796		07/31/14	07/31/14	0.3	1.0	1
B407796-MS2	1,2-Dichloroethane-d4	101		70	130		10.1	**1407498-08**		10.0	Yes	B407796		07/31/14	07/31/14			1
B407796-MS2	4-Bromofluorobenzene	94.0		70	130		9.40	**1407498-08**		10.0	Yes	B407796		07/31/14	07/31/14			1
B407796-MS2	Benzene	97.9		70	130		9.79	**1407498-08**	0	10.0	Yes	B407796		07/31/14	07/31/14	0.3	1.0	1
B407796-MS2	Chlorobenzene	102		70	130		10.2	**1407498-08**	0	10.0	Yes	B407796		07/31/14	07/31/14	0.3	1.0	1
B407796-MS2	Toluene	96.8		70	130		9.68	**1407498-08**	0	10.0	Yes	B407796		07/31/14	07/31/14	0.3	1.0	1
B407796-MS2	Toluene-d8	100		70	130		10.0	**1407498-08**		10.0	Yes	B407796		07/31/14	07/31/14			1
B407796-MS2	Trichloroethene	110		70	130		11.0	**1407498-08**	0	10.0	Yes	B407796		07/31/14	07/31/14	0.3	1.0	1
Matrix Spike Dup - Method EPA 8260B																		
B407796-MSD1	1,1-Dichloroethene	113	3.70	70	130	20	22.6	**1407498-03**	0	20.0	Yes	B407796		07/30/14	07/30/14	0.6	2.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B407796-MSD1	1,2-Dichloroethane-d4	91.7		70	130		18.3	**1407498-03**		20.0	Yes	B407796		07/30/14	07/30/14			1
B407796-MSD1	4-Bromofluorobenzene	97.5		70	130		19.5	**1407498-03**		20.0	Yes	B407796		07/30/14	07/30/14			1
B407796-MSD1	Benzene	102	0.295	70	130	20	20.4	**1407498-03**	0	20.0	Yes	B407796		07/30/14	07/30/14	0.6	2.0	1
B407796-MSD1	Chlorobenzene	102	0.492	70	130	20	20.4	**1407498-03**	0	20.0	Yes	B407796		07/30/14	07/30/14	0.6	2.0	1
B407796-MSD1	Toluene	101	0.596	70	130	20	20.2	**1407498-03**	0	20.0	Yes	B407796		07/30/14	07/30/14	0.6	2.0	1
B407796-MSD1	Toluene-d8	100		70	130		20.1	**1407498-03**		20.0	Yes	B407796		07/30/14	07/30/14			1
B407796-MSD1	Trichloroethene	108	1.78	70	130	20	21.6	**1407498-03**	0	20.0	Yes	B407796		07/30/14	07/30/14	0.6	2.0	1
B407796-MSD2	1,1-Dichloroethene	96.0	9.81	70	130	20	9.60	**1407498-08**	0	10.0	Yes	B407796		07/31/14	07/31/14	0.3	1.0	1
B407796-MSD2	1,2-Dichloroethane-d4	103		70	130		10.3	**1407498-08**		10.0	Yes	B407796		07/31/14	07/31/14			1
B407796-MSD2	4-Bromofluorobenzene	95.5		70	130		9.55	**1407498-08**		10.0	Yes	B407796		07/31/14	07/31/14			1
B407796-MSD2	Benzene	97.9	0.00	70	130	20	9.79	**1407498-08**	0	10.0	Yes	B407796		07/31/14	07/31/14	0.3	1.0	1
B407796-MSD2	Chlorobenzene	99.7	1.99	70	130	20	9.97	**1407498-08**	0	10.0	Yes	B407796		07/31/14	07/31/14	0.3	1.0	1
B407796-MSD2	Toluene	96.7	0.103	70	130	20	9.67	**1407498-08**	0	10.0	Yes	B407796		07/31/14	07/31/14	0.3	1.0	1
B407796-MSD2	Toluene-d8	100		70	130		10.0	**1407498-08**		10.0	Yes	B407796		07/31/14	07/31/14			1
B407796-MSD2	Trichloroethene	110	0.091	70	130	20	11.0	**1407498-08**	0	10.0	Yes	B407796		07/31/14	07/31/14	0.3	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method SM 2540 C																		
B407748-BLK1	Total Dissolved Solids (TDS)						6					B407748		07/30/14	07/30/14	10	10	2
Duplicate - Method SM 2540 C																		
B407748-DUP1	Total Dissolved Solids (TDS)		0.571			20	1400	**1407498-05**	1400			B407748		07/30/14	07/30/14	20	20	4
Reference - Method SM 2540 C																		
B407748-SRM1	Total Dissolved Solids (TDS)	96.0		90	110		192			200		B407748		07/30/14	07/30/14	10	10	2

Surrogate Summary for Sample Delivery Group - 1407498

Method EPA 8260B

QC ID	Surrogate	% Rec	LCL	UCL	Result	Spk Value	Batch	DF
1407498-03	1,2-Dichloroethane-d4	107	70	130	10.7	10.0	B407796	1
1407498-03	4-Bromofluorobenzene	97.4	70	130	9.74	10.0	B407796	1
1407498-03	Toluene-d8	101	70	130	10.1	10.0	B407796	1
1407498-08	1,2-Dichloroethane-d4	106	70	130	10.6	10.0	B407796	1
1407498-08	4-Bromofluorobenzene	95.6	70	130	9.56	10.0	B407796	1
1407498-08	Toluene-d8	99.9	70	130	9.99	10.0	B407796	1
1407498-09	1,2-Dichloroethane-d4	102	70	130	10.2	10.0	B407796	1
1407498-09	4-Bromofluorobenzene	99.6	70	130	9.96	10.0	B407796	1
1407498-09	Toluene-d8	102	70	130	10.2	10.0	B407796	1
B407796-BLK1	1,2-Dichloroethane-d4	97.0	70	130	9.70	10.0	B407796	1
B407796-BLK1	4-Bromofluorobenzene	95.2	70	130	9.52	10.0	B407796	1
B407796-BLK1	Toluene-d8	101	70	130	10.1	10.0	B407796	1
B407796-BS1	1,2-Dichloroethane-d4	97.3	70	130	9.73	10.0	B407796	1
B407796-BS1	4-Bromofluorobenzene	99.4	70	130	9.94	10.0	B407796	1
B407796-BS1	Toluene-d8	102	70	130	10.2	10.0	B407796	1
B407796-MS1	1,2-Dichloroethane-d4	99.5	70	130	19.9	20.0	B407796	1
B407796-MS1	4-Bromofluorobenzene	98.1	70	130	19.6	20.0	B407796	1
B407796-MS1	Toluene-d8	103	70	130	20.5	20.0	B407796	1
B407796-MS2	1,2-Dichloroethane-d4	101	70	130	10.1	10.0	B407796	1
B407796-MS2	4-Bromofluorobenzene	94.0	70	130	9.40	10.0	B407796	1
B407796-MS2	Toluene-d8	100	70	130	10.0	10.0	B407796	1
B407796-MSD1	1,2-Dichloroethane-d4	91.7	70	130	18.3	20.0	B407796	1
B407796-MSD1	4-Bromofluorobenzene	97.5	70	130	19.5	20.0	B407796	1
B407796-MSD1	Toluene-d8	100	70	130	20.1	20.0	B407796	1
B407796-MSD2	1,2-Dichloroethane-d4	103	70	130	10.3	10.0	B407796	1
B407796-MSD2	4-Bromofluorobenzene	95.5	70	130	9.55	10.0	B407796	1
B407796-MSD2	Toluene-d8	100	70	130	10.0	10.0	B407796	1

CHEMTECH - FORD ANALYTICAL LABORATORY

CHAIN OF CUSTODY

Jan Dalla

COMPANY: Energy Fuels Resources (USA) Inc.
ADDRESS: 6425 South Highway 191
CITY/STATE/ZIP: Blanding Utah 84511
PHONE #: 435-678-4115 **FAX:**
CONTACT: Garrin Palmer **PROJECT:** White Mesa Mill
EMAIL: gpalmer@energyfuels.com, kweinel@energyfuels.com

BILLING ADDRESS: 225 Union Boulevard, Suite 600
BILLING CITY/STATE/ZIP: Lakewood, Colorado 80228
PURCHASE ORDER #: July Monthly GW 2014 / Groundwater program

CHEMTECH-FORD LABORATORIES

TURNAROUND REQUIRED:* Standard
** Expedited turnaround subject to additional charge*

Lab Use Only	CLIENT SAMPLE INFORMATION						TESTS REQUESTED																		Bacteria			
07498		LOCATION / IDENTIFICATION	DATE	TIME	MATRIX	Field Residual Chlorine	Dissolved Manganese (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Fluoride (SM4500-F C/300.0)	Dissolved Uranium (200.7/200.8)	Nitrate/Nitrite asn N (353.2)	VOCs (8260b/8260C) Chloroform, Methylene Chloride and Carbon Tetrachloride	Chloride (SM4500-Cl B or SM4500-Cl E or E300.0)	Dissolved Selenium (200.7/200.8)	TDS (SM 2540 C)	Sulfate (SM4500-SO4 E or E300.0	Dissolved Thallium (200.7/200.8)								Total Coliform + E. coli (Present/Absent)	Total Coliform + E. coli (Enumerated)	HPC (Plate Count)	E. Coli Only
-01	1.	MW-11_07292014	7/29/2014	1140	GW		X																					
-02	2.	MW-25_07282014	7/28/2014	1445	GW			X	X	X																		
-03	3.	MW-26_07292014	7/29/2014	0830	GW					X	X	X	X															
-04	4.	MW-30_07292014	7/29/2014	1055	Gw					X	X		X	X														
-05	5.	MW-31_07282014	7/28/2014	1345	GW						X		X	X	X	X												
-06	6.	MW-35_07292014	7/29/2014	1315	GW		X			X				X			X											
-07	7.	MW-65_07292014	7/29/2014	1315	GW		X			X				X			X											
-08	8.	MW-100_07282014	7/28/2014	12:00	GW							X																
-09	9.	Trip Blank	7/28/2014		W							X																
	10																											

Sampled by: (print) Garrin Palmer Sampled by: (signature) Garrin Palmer

ON ICE NOT ON ICE Temp (C°): 5.8

Samples received outside the EPA recommended temperature range of 0-6 C° may be rejected.

Special instructions: All metals samples are field filtered unless otherwise noted. PDF Data packages are to be sent to Garrin Palmer and Kathy Weinel.

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Garrin Palmer	7/30/14 / 0930		07-30-14 09:30

CHEMTECH-FORD
9632 South 500 West
Sandy, UT 84070
801.262.7299 PHONE
866.792.8093 FAX
www.chemtechford.com

Payment Terms are net 30 days OAC. 1.5% interest charge per month (18% per annum) Client agrees to pay collection costs and attorney's fees

Work Order # 07498

CHEMTECH FORD LABORATORIES
Sample Receipt

CHEMTECH-FORD LABORATORIES

Delivery Method:

- ☐ UPS
- ☐ USPS
- ☐ FedEx
- ☐ Chemtech Courier
- ☒ Walk-in
- ☐ Courier

Receiving Temperature 5.8 °C

Sample #	Container	Chemtech Lot # or Preservative	Number of Subsamples	Preserved by Client/Third Party	Preserved in Receiving/Laboratory	Filtered in Field by Client	Misc Volume (oz/mL)	Comments
01	M	–		X				
02	M	–		X				
↓	AP	–						
03	M	–		X				
↓	AP	–						
↓	N	–		X				
↓	W1-3	–		X				
04	M	–		X				
↓	AP	–						
↓	N	–		X				
05	M	–		X				
↓	AP	–						
↓	A ½P	–						
↓	N	–		X				
06	M	–		X				
07	M	–		X				
08	W1-3	–		X				
09	W1-3	–		X				

Sample Condition (check if yes)

- ☐ Custody Seals
- ☒ Containers Intact
- ☒ COC/Labels Agree
- ☒ Preservation Confirmed
- ☒ Received on Ice
- ☒ Correct Container(s)
- ☒ Sufficient Sample Volume
- ☐ Headspace Present (VOC)
- ☒ Temperature Blank
- ☒ Received within Holding Time

Plastic Containers

- A- Plastic Unpreserved
- B- Miscellaneous Plastic
- C- Cyanide Qt (NaOH)
- E- Sulfide Qt (Zn Acetate)
- L- Mercury 1631
- M- Metals Pint (HNO3)
- N- Nutrient Pint (H2SO4)
- R- Radiological (HNO3)
- S- Sludge Cups/Tubs
- Q- Plastic Bag
- E- Coliform/Ecoli

Glass Containers

- D- 525 (Na2S2O3)
- G- Glass Unpreserved
- H- HAAs (NH4Cl)
- J- 508/515/525 (Na2SO3)
- K- 515.3 Herbicides
- O- Oil & Grease (HCl)
- P- Phenols (H2SO4)
- T- TOC/TOX (H3PO4)
- U- 531 (MCAA, Na2S2O3)
- V- 524/THMs (Ascorbic Acid)
- W- 8260 VOC (1:1 HCl)
- X- Vial Unpreserved
- Y- 624/504 (Na2S2O3)
- Z- Miscellaneous Glass

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Report Footnotes

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.
1 mg/L = one milligram per liter or 1 mg/Kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.

Flag Descriptions

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

September 02, 2014

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 354110

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 06, 2014. 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

Energy Fuels Resources (USA), Inc.
White Mesa Mill GW
SDG: 354110

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 354110

September 02, 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 August 06, 2014 for analysis.

Sample Identification: The laboratory received the following samples:

Laboratory ID	Client ID
354110001	MW-35_07292014
354110002	MW-65_07292014

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

354110

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: Gel Laboratories
2040 Savage Road
Charleston, SC 29407

Contact: Garrin Palmer
Ph: 435 678 4115
gpalmer@energyfuels.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
July Monthly GW 2014	Garrin Palmer	

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-35_07292014	7/29/2014	1315	Gross Alpha
MW-65_07292014	7/29/2014	1315	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Garrin Palmer	8/5/2014 1000	Chris Zumbar	8-6-14 0915
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	**SDG/AR/COC/Work Order:** 354110
Received By: C. Zuecher	**Date Received:** 8-6-14

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) 21C *all temperatures are recorded in Celsius
2a	Daily check performed and passed on IR temperature gun?	✓			Temperature Device Serial #: 130532792 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 1Z 187 Y4Y 01 9201 6569

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials HA Date 080614 Page 1 of 1

GEL Laboratories LLC - Login Review Report

GEL Work Order/SDG: 354110 **July GW 2014**
Client SDG: 354110
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: 03-SEP-14
Package Due Date: 31-AUG-14
EDD Due Date: 03-SEP-14
Due Date: 03-SEP-14
HXS1

Collector: C
Prelogin #: 20140819725
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
354110001	MW-35_07292014		29-JUL-14 13:15	06-AUG-14 09:15	-2	1	GROUND WATER		20		1		
354110002	MW-65_07292014		29-JUL-14 13:15	06-AUG-14 09:15	-2	1	GROUND WATER		20		1		

Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001 MW-35_07292014	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	y	
						Temperature (C)	21	
-002 MW-65_07292014	REVW	GFPC, Total Alpha Radium, Liquid	Gross Alpha			Cooler Seal Undisturbed	y	
						Temperature (C)	21	

Product: GFCTORAL **Workdef ID:** 1297250 **In Product Group?** No **Group Name:** **Group Reference:**

Method: EPA 900.1 Modified
Product Description: GFPC, Total Alpha Radium, Liquid
Samples: 001, 002
Parmname Check: All parmnames scheduled properly

Path: Standard
Product Reference: Gross Alpha
Moisture Correction: "As Received"

CAS #	Parmname	Client RDL or PQL & Unit	Reporting Units	Parm Function	Included in Sample?	Included in QC?	Custom List?
	Gross Radium Alpha	1	pCi/L	REG	Y	Y	Yes

	Action	Product Name	Description	Samples
Contingent Tests				

GEL Laboratories LLC - Login Review Report

Login Requirements:

Requirement	Include?	Comments

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

List of current GEL Certifications as of 02 September 2014

State	Certification
Alaska	UST-110
Arkansas	88-0651
CLIA	42D0904046
California NELAP	01151CA
Colorado	SC00012
Connecticut	PH-0169
Delaware	SC000122013-10
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-12-00283, P330-12-00284
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC000122013-10
Idaho Chemistry	SC00012
Idaho Radiochemistry	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky	90129
Louisiana NELAP	03046 (AI33904)
Louisiana SDWA	LA130005
Maryland	270
Massachusetts	M-SC012
Michigan	9976
Mississippi	SC000122013-10
Nebraska	NE-OS-26-13
Nevada	SC000122014-1
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
Oklahoma	9904
Pennsylvania NELAP	68-00485
Plant Material Permit	PDEP-12-00260
South Carolina Chemistry	10120001
South Carolina GVL	23611001
South Carolina Radiochemi	10120002
Tennessee	TN 02934
Texas NELAP	T104704235-14-9
Utah NELAP	SC000122014-14
Vermont	VT87156
Virginia NELAP	460202
Washington	C780-12
Wisconsin	999887790

Radiochemistry Case Narrative
Energy Fuels Resources (DNMI)
SDG 354110

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1413218

Sample ID	Client ID
354110001	MW-35_07292014
354110002	MW-65_07292014
1203152535	MB for batch 1413218
1203152539	Laboratory Control Sample (LCS)
1203152536	354110001(MW-35_07292014) Sample Duplicate (DUP)
1203152537	354110001(MW-35_07292014) Matrix Spike (MS)
1203152538	354110001(MW-35_07292014) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-010 REV# 15.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 354110001 (MW-35_07292014).

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.

Recounts
None of the samples in this sample set were recounted.

Miscellaneous Information:

Data Exception (DER) Documentation
Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Sample-Specific MDA/MDC
The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments
The matrix spike and matrix spike duplicate, 1203152537 (MW-35_07292014) and 1203152538 (MW-35_07292014), 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: 354110 GEL Work Order: 354110

The Qualifiers in this report are defined as follows:

* A quality control analyte recovery is outside of specified acceptance criteria

** Analyte is a surrogate compound

U Analyte was analyzed for, but not detected above the CRDL.

Review/Validation

GEL requires all analytical data to be verified by a qualified data reviewer. In addition, all CLP-like deliverables receive a third level review of the fractional data package.

The following data validator verified the information presented in this data report:

Signature: Theresa L. Austin **Name: Theresa Austin**

Date: 02 SEP 2014 **Title: Group Leader**

GEL LABORATORIES LLC

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

QC Summary

Report Date: September 2, 2014

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

Contact: **Ms. Kathy Weinel**

Workorder: **354110**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1413218										
QC1203152536 354110001 DUP										
Gross Radium Alpha		3.09		3.59	pCi/L	15.1		(0% - 100%)	CXP3	08/29/14 11:42
	Uncertainty	+/-0.479		+/-0.515						
QC1203152539 LCS										
Gross Radium Alpha	413			326	pCi/L		79	(75%-125%)		08/29/14 11:42
	Uncertainty			+/-6.01						
QC1203152535 MB										
Gross Radium Alpha			U	0.421	pCi/L					08/29/14 11:43
	Uncertainty			+/-0.288						
QC1203152537 354110001 MS										
Gross Radium Alpha	1680	3.09		1490	pCi/L		88.9	(75%-125%)		08/29/14 11:42
	Uncertainty	+/-0.479		+/-26.6						
QC1203152538 354110001 MSD										
Gross Radium Alpha	1680	3.09		1460	pCi/L	2.32	86.8	(0%-20%)		08/29/14 11:42
	Uncertainty	+/-0.479		+/-26.7						

Notes:

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

The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- BD Results are either below the MDC or tracer recovery is low
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- F Estimated Value
- H Analytical holding time was exceeded
- K Analyte present. Reported value may be biased high. Actual value is expected to be lower.
- L Analyte present. Reported value may be biased low. Actual value is expected to be higher.
- M M if above MDC and less than LLD
- M Matrix Related Failure
- N/A RPD or %Recovery limits do not apply.
- N1 See case narrative
- ND Analyte concentration is not detected above the detection limit

QC Summary

Workorder: **354110**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab F2

Laboratory Analytical Reports – Accelerated Monitoring

August 2014

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1408803-01

Name:	**Energy Fuels**	***Sample Date:***	8/20/2014 11:55 AM
Sample Site:	MW-11_08202014	***Receipt Date:***	8/21/2014 8:30 AM
Comments:	White Mesa Mill	***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals							
Manganese, Dissolved	0.139	0.010	mg/L	EPA 200.7	08/25/2014 13:09	8/25/2014 15:43	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1408803-02

Name:	**Energy Fuels**	***Sample Date:***	8/18/2014 11:25 AM
Sample Site:	MW-25_08182014	***Receipt Date:***	8/21/2014 8:30 AM
Comments:	White Mesa Mill	***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Fluoride	0.3	0.1	mg/L	EPA 300.0	08/21/2014 17:00	8/21/2014 17:00	
Metals							
Cadmium, Dissolved	0.0013	0.0005	mg/L	EPA 200.8	08/28/2014 10:16	8/28/2014 14:28	
Radiochemistry							
Uranium, Dissolved	0.0061	0.0010	mg/L	EPA 200.8	08/28/2014 10:16	8/28/2014 14:28	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1408803-03

Name:	**Energy Fuels**	***Sample Date:***	8/20/2014 10:15 AM
Sample Site:	MW-26_08202014	***Receipt Date:***	8/21/2014 8:30 AM
Comments:	White Mesa Mill	***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Chloride	59	1	mg/L	EPA 300.0	08/21/2014 17:00	8/21/2014 17:00	
Nitrate + Nitrite, Total	1.0	1.0	mg/L	EPA 353.2	09/04/2014 11:27	9/4/2014 11:27	
Radiochemistry							
Uranium, Dissolved	0.0744	0.0010	mg/L	EPA 200.8	08/28/2014 10:16	8/28/2014 14:35	
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	08/27/2014 12:03	8/27/2014 12:03	
Benzene	ND	1.0	ug/L	EPA 8260B	08/27/2014 12:03	8/27/2014 12:03	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	08/27/2014 12:03	8/27/2014 12:03	
Chloroform	2200	1.0	ug/L	EPA 8260B	08/27/2014 12:03	8/27/2014 12:03	
Chloromethane	12.5	1.0	ug/L	EPA 8260B	08/27/2014 12:03	8/27/2014 12:03	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	08/27/2014 12:03	8/27/2014 12:03	
Methylene Chloride	43.3	1.0	ug/L	EPA 8260B	08/27/2014 12:03	8/27/2014 12:03	
Naphthalene	ND	1.0	ug/L	EPA 8260B	08/27/2014 12:03	8/27/2014 12:03	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	08/27/2014 12:03	8/27/2014 12:03	
Toluene	ND	1.0	ug/L	EPA 8260B	08/27/2014 12:03	8/27/2014 12:03	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	08/27/2014 12:03	8/27/2014 12:03	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1408803-04

Name:	**Energy Fuels**	***Sample Date:***	8/20/2014 10:45 AM
Sample Site:	MW-30_08202014	***Receipt Date:***	8/21/2014 8:30 AM
Comments:	White Mesa Mill	***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Chloride	139	5	mg/L	EPA 300.0	08/21/2014 17:00	8/21/2014 17:00	
Nitrate + Nitrite, Total	13.8	2.0	mg/L	EPA 353.2	09/04/2014 11:27	9/4/2014 11:27	
Metals							
Selenium, Dissolved	0.0485	0.0050	mg/L	EPA 200.8	08/28/2014 10:16	8/28/2014 14:39	
Radiochemistry							
Uranium, Dissolved	0.0076	0.0010	mg/L	EPA 200.8	08/28/2014 10:16	8/28/2014 14:39	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1408803-05

Name:	**Energy Fuels**	***Sample Date:***	8/18/2014 1:20 PM
Sample Site:	MW-31_08182014	***Receipt Date:***	8/21/2014 8:30 AM
Comments:	White Mesa Mill	***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Chloride	210	10	mg/L	EPA 300.0	08/21/2014 17:00	8/21/2014 17:00	
Nitrate + Nitrite, Total	15.2	2.0	mg/L	EPA 353.2	09/04/2014 14:15	9/4/2014 14:15	
Sulfate	620	10	mg/L	EPA 300.0	08/21/2014 17:00	8/21/2014 17:00	
Total Dissolved Solids (TDS)	1410	20	mg/L	SM 2540 C	08/21/2014 13:32	8/21/2014 13:32	
Metals							
Selenium, Dissolved	0.0828	0.0050	mg/L	EPA 200.8	08/28/2014 10:16	8/28/2014 14:42	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1408803-06

Name:	**Energy Fuels**	***Sample Date:***	8/20/2014 1:20 PM
Sample Site:	MW-35_08202014	***Receipt Date:***	8/21/2014 8:30 AM
Comments:	White Mesa Mill	***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Metals							
Manganese, Dissolved	0.191	0.010	mg/L	EPA 200.7	08/25/2014 13:09	8/25/2014 15:47	
Selenium, Dissolved	0.0289	0.0050	mg/L	EPA 200.8	08/28/2014 10:16	8/28/2014 14:46	
Thallium, Dissolved	ND	0.0005	mg/L	EPA 200.8	08/28/2014 10:16	8/28/2014 14:46	
Radiochemistry							
Uranium, Dissolved	0.0203	0.0010	mg/L	EPA 200.8	08/28/2014 10:16	8/28/2014 14:46	

GEL LABORATORIES LLC

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

Certificate of Analysis

Report Date: September 19, 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_08202014	Project:	DNMI00100
Sample ID:	355401001	Client ID:	DNMI001
Matrix:	Ground Water		
Collect Date:	20-AUG-14 13:20		
Receive Date:	25-AUG-14		
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		4.70	+/-0.640	0.903	1.00	pCi/L		CXP3	09/18/14	0724	1419295	1

The following Analytical Methods were performed:

Method	Description	Analyst Comments
1	EPA 900.1 Modified	

Surrogate/Tracer Recovery	Test	Result	Nominal	Recovery%	Acceptable Limits
Barium Carrier	GFPC, Total Alpha Radium, Liquid "As Received"			97.8	(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.

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1408803-07

Name:	**Energy Fuels**	***Sample Date:***	8/20/2014 10:45 AM
Sample Site:	MW-65_08202014	***Receipt Date:***	8/21/2014 8:30 AM
Comments:	White Mesa Mill	***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Inorganic							
Chloride	139	5	mg/L	EPA 300.0	08/21/2014 17:00	8/21/2014 17:00	
Nitrate + Nitrite, Total	14.9	1.0	mg/L	EPA 353.2	09/04/2014 14:15	9/4/2014 14:15	
Metals							
Selenium, Dissolved	0.0472	0.0050	mg/L	EPA 200.8	08/28/2014 10:16	8/28/2014 14:50	
Radiochemistry							
Uranium, Dissolved	0.0074	0.0010	mg/L	EPA 200.8	08/28/2014 10:16	8/28/2014 14:50	

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Lab Sample No.: 1408803-08

Name:	**Energy Fuels**	***Sample Date:***	8/20/2014 12:00 AM
Sample Site:	Trip Blank	***Receipt Date:***	8/21/2014 8:30 AM
Comments:	White Mesa Mill	***Sampler:***	Garrin Palmer
Sample Matrix:	Water	***Project:***	White Mesa Mill - Groundwater
PO Number:		***Project Number:***	White Mesa Mill - Groundwater

Parameter	Sample Result	Minimum Reporting Limit	Units	Analytical Method	Preparation Date/Time	Analysis Date/Time	Flag
Volatile Organic Compounds							
Acetone	ND	20.0	ug/L	EPA 8260B	08/27/2014 13:50	8/27/2014 13:50	
Benzene	ND	1.0	ug/L	EPA 8260B	08/27/2014 13:50	8/27/2014 13:50	
Carbon Tetrachloride	ND	1.0	ug/L	EPA 8260B	08/27/2014 13:50	8/27/2014 13:50	
Chloroform	ND	1.0	ug/L	EPA 8260B	08/27/2014 13:50	8/27/2014 13:50	
Chloromethane	ND	1.0	ug/L	EPA 8260B	08/27/2014 13:50	8/27/2014 13:50	
Methyl Ethyl Ketone	ND	20.0	ug/L	EPA 8260B	08/27/2014 13:50	8/27/2014 13:50	
Methylene Chloride	ND	1.0	ug/L	EPA 8260B	08/27/2014 13:50	8/27/2014 13:50	
Naphthalene	ND	1.0	ug/L	EPA 8260B	08/27/2014 13:50	8/27/2014 13:50	
Tetrahydrofuran	ND	1.0	ug/L	EPA 8260B	08/27/2014 13:50	8/27/2014 13:50	
Toluene	ND	1.0	ug/L	EPA 8260B	08/27/2014 13:50	8/27/2014 13:50	
Xylenes, total	ND	1.0	ug/L	EPA 8260B	08/27/2014 13:50	8/27/2014 13:50	

CHEMTECH-FORD
LABORATORIES

9/15/2014

Work Order: 1408803

Energy Fuels

Attn: Garrin Palmer

6425 South Highway 191

Blanding, UT 84511

Client Service Contact: 801.262.7299

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.

Approved By: Dave Gayer, Laboratory Director

CHEMTECH-FORD
LABORATORIES

Case Narrative for Sample Delivery Group - 1408803

Energy Fuels

SampleID	SampleName	Matrix	Sampled	Received
1408803-01	MW-11_08202014	Water	08/20/2014	08/21/2014
1408803-02	MW-25_08182014	Water	08/18/2014	08/21/2014
1408803-03	MW-26_08202014	Water	08/20/2014	08/21/2014
1408803-04	MW-30_08202014	Water	08/20/2014	08/21/2014
1408803-05	MW-31_08182014	Water	08/18/2014	08/21/2014
1408803-06	MW-35_08202014	Water	08/20/2014	08/21/2014
1408803-07	MW-65_08202014	Water	08/20/2014	08/21/2014
1408803-08	Trip Blank	Water	08/20/2014	08/21/2014

Method Blanks

All method blanks were below the Minimum Reporting Limit (MRL).

Laboratory Control Samples

All Laboratory Control Sample (LCS) recoveries were within laboratory control limits.

Holding Times

All preparations and analyses were performed within holding times

Matrix Spike/Matrix Spike Duplicate

All Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries were within control.

Surrogates

All surrogates were within laboratory control limits.

Analytical Summary - 1408803

Lab ID: 1408803-01
Client ID: MW-11_08202014
Matrix: Water

Analyses
EPA 200.7

Lab ID: 1408803-02
Client ID: MW-25_08182014
Matrix: Water

Analyses
EPA 200.8
EPA 300.0

Lab ID: 1408803-03
Client ID: MW-26_08202014
Matrix: Water

Analyses
EPA 200.8
EPA 300.0
EPA 353.2
EPA 8260B

Lab ID: 1408803-04
Client ID: MW-30_08202014
Matrix: Water

Analyses
EPA 200.8
EPA 300.0
EPA 353.2

Lab ID: 1408803-05
Client ID: MW-31_08182014
Matrix: Water

Analyses
EPA 200.8
EPA 300.0
EPA 353.2
SM 2540 C

Lab ID: 1408803-06
Client ID: MW-35_08202014
Matrix: Water

Analyses
EPA 200.7

EPA 200.8

Lab ID: 1408803-07

Client ID: MW-65_08202014

Matrix: Water

Analyses

EPA 200.8

EPA 300.0

EPA 353.2

Lab ID: 1408803-08

Client ID: Trip Blank

Matrix: Water

Analyses

EPA 8260B

QC Summary for Sample Delivery Group - 1408803

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 200.7																		
B408729-BLK1	Manganese, Dissolved						-0.000					B408729		08/25/14	08/25/14	0.00	0.00	1
Calibration Blank - Method EPA 200.7																		
4H25014-CCB1	Manganese, Dissolved						0.0003					4H25014		08/25/14	08/25/14			1
4H25014-CCB2	Manganese, Dissolved						0.002					4H25014		08/25/14	08/25/14			1
4H25014-CCB3	Manganese, Dissolved						0.003					4H25014		08/25/14	08/25/14			1
Calibration Check - Method EPA 200.7																		
4H25014-CCV1	Manganese, Dissolved	97.8		90	110		1.96			2.00		4H25014		08/25/14	08/25/14			1
4H25014-CCV2	Manganese, Dissolved	98.4		90	110		1.97			2.00		4H25014		08/25/14	08/25/14			1
4H25014-CCV3	Manganese, Dissolved	98.1		90	110		1.96			2.00		4H25014		08/25/14	08/25/14			1
Initial Cal Blank - Method EPA 200.7																		
4H25014-ICB1	Manganese, Dissolved						0.0002					4H25014		08/25/14	08/25/14			1
Initial Cal Check - Method EPA 200.7																		
4H25014-ICV1	Manganese, Dissolved	97.8		95	105		1.96			2.00		4H25014		08/25/14	08/25/14			1
LCS - Method EPA 200.7																		
B408729-BS1	Manganese, Dissolved	99.5		85	115		0.199			0.200		B408729		08/25/14	08/25/14	0.00	0.00	1
Matrix Spike - Method EPA 200.7																		
B408729-MS1	Manganese, Dissolved	101		70	130		0.203	XXXXXXX-XX	0.001	0.200		B408729		08/25/14	08/25/14	0.00	0.00	1
B408729-MS2	Manganese, Dissolved	89.2		70	130		0.369	**1408803-06**	0.191	0.200		B408729		08/25/14	08/25/14	0.00	0.00	1
Matrix Spike Dup - Method EPA 200.7																		
B408729-MSD1	Manganese, Dissolved	103	1.77	70	130	20	0.206	XXXXXXX-XX	0.001	0.200		B408729		08/25/14	08/25/14	0.00	0.00	1
B408729-MSD2	Manganese, Dissolved	98.2	4.75	70	130	20	0.387	**1408803-06**	0.191	0.200		B408729		08/25/14	08/25/14	0.00	0.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 200.8																		
B408836-BLK1	Cadmium, Dissolved						-0.000					B408836		08/28/14	08/28/14	0.00	0.00	1
B408836-BLK1	Selenium, Dissolved						0.0000					B408836		08/28/14	08/28/14	0.00	0.00	1
B408836-BLK1	Thallium, Dissolved						-0.000					B408836		08/28/14	08/28/14	0.00	0.00	1
B408836-BLK1	Uranium, Dissolved						-0.000					B408836		08/28/14	08/28/14	0.00	0.00	1
Calibration Blank - Method EPA 200.8																		
4H28008-CCB1	Cadmium, Dissolved						-0.000					4H28008		08/28/14	08/28/14			1
4H28008-CCB1	Selenium, Dissolved						-0.000					4H28008		08/28/14	08/28/14			1
4H28008-CCB1	Thallium, Dissolved						0.0000					4H28008		08/28/14	08/28/14			1
4H28008-CCB1	Uranium, Dissolved						-0.000					4H28008		08/28/14	08/28/14			1
4H28008-CCB2	Cadmium, Dissolved						-0.000					4H28008		08/28/14	08/28/14			1
4H28008-CCB2	Selenium, Dissolved						-0.000					4H28008		08/28/14	08/28/14			1
4H28008-CCB2	Thallium, Dissolved						0.0000					4H28008		08/28/14	08/28/14			1
4H28008-CCB2	Uranium, Dissolved						-0.000					4H28008		08/28/14	08/28/14			1
Calibration Check - Method EPA 200.8																		
4H28008-CCV1	Cadmium, Dissolved	96.9		90	110		0.039			0.0400		4H28008		08/28/14	08/28/14			1
4H28008-CCV1	Selenium, Dissolved	96.7		90	110		0.039			0.0400		4H28008		08/28/14	08/28/14			1
4H28008-CCV1	Thallium, Dissolved	99.3		90	110		0.040			0.0400		4H28008		08/28/14	08/28/14			1
4H28008-CCV1	Uranium, Dissolved	94.6		90	110		0.038			0.0400		4H28008		08/28/14	08/28/14			1
4H28008-CCV2	Cadmium, Dissolved	94.1		90	110		0.038			0.0400		4H28008		08/28/14	08/28/14			1
4H28008-CCV2	Selenium, Dissolved	98.1		90	110		0.039			0.0400		4H28008		08/28/14	08/28/14			1
4H28008-CCV2	Thallium, Dissolved	100		90	110		0.040			0.0400		4H28008		08/28/14	08/28/14			1
4H28008-CCV2	Uranium, Dissolved	95.3		90	110		0.038			0.0400		4H28008		08/28/14	08/28/14			1
Initial Cal Blank - Method EPA 200.8																		
4H28008-ICB1	Cadmium, Dissolved						-0.000					4H28008		08/28/14	08/28/14			1
4H28008-ICB1	Selenium, Dissolved						0.0000					4H28008		08/28/14	08/28/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4H28008-ICB1	Thallium, Dissolved						0.0000					4H28008		08/28/14	08/28/14			1
4H28008-ICB1	Uranium, Dissolved						0.0000					4H28008		08/28/14	08/28/14			1
Initial Cal Check - Method EPA 200.8																		
4H28008-ICV1	Cadmium, Dissolved	102		90	110		0.041			0.0400		4H28008		08/28/14	08/28/14			1
4H28008-ICV1	Selenium, Dissolved	96.7		90	110		0.039			0.0400		4H28008		08/28/14	08/28/14			1
4H28008-ICV1	Thallium, Dissolved	102		90	110		0.041			0.0400		4H28008		08/28/14	08/28/14			1
4H28008-ICV1	Uranium, Dissolved	101		90	110		0.040			0.0400		4H28008		08/28/14	08/28/14			1
LCS - Method EPA 200.8																		
B408836-BS1	Cadmium, Dissolved	96.2		85	115		0.038			0.0400		B408836		08/28/14	08/28/14	0.00	0.00	1
B408836-BS1	Selenium, Dissolved	99.0		85	115		0.040			0.0400		B408836		08/28/14	08/28/14	0.00	0.00	1
B408836-BS1	Thallium, Dissolved	101		85	115		0.041			0.0400		B408836		08/28/14	08/28/14	0.00	0.00	1
B408836-BS1	Uranium, Dissolved	94.8		85	115		0.038			0.0400		B408836		08/28/14	08/28/14	0.00	0.00	1
Matrix Spike - Method EPA 200.8																		
B408836-MS1	Cadmium, Dissolved	96.3		70	130		0.078	**1408803-02**	0.001	0.0800		B408836		08/28/14	08/28/14	0.00	0.00	1
B408836-MS1	Selenium, Dissolved	109		70	130		0.091	**1408803-02**	0.003	0.0800		B408836		08/28/14	08/28/14	0.00	0.00	1
B408836-MS1	Thallium, Dissolved	94.2		70	130		0.076	**1408803-02**	0.0009	0.0800		B408836		08/28/14	08/28/14	0.00	0.00	1
B408836-MS1	Uranium, Dissolved	98.3		70	130		0.085	**1408803-02**	0.006	0.0800		B408836		08/28/14	08/28/14	0.00	0.00	1
B408836-MS2	Cadmium, Dissolved	95.8		70	130		388	XXXXXXX-XX	4.72	400		B408836		08/28/14	08/28/14	0.20	2.00	1
B408836-MS2	Selenium, Dissolved	92.3		70	130		371	XXXXXXX-XX	1.44	400		B408836		08/28/14	08/28/14	0.10	5.00	1
B408836-MS2	Thallium, Dissolved	97.1		70	130		389	XXXXXXX-XX	0.460	400		B408836		08/28/14	08/28/14	0.30	2.00	1
B408836-MS2	Uranium, Dissolved	91.3		70	130		447	XXXXXXX-XX	82.2	400		B408836		08/28/14	08/28/14	0.20	5.00	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Calibration Blank - Method EPA 300.0																		
4H25003-CCB1	Chloride						0					4H25003		08/19/14	08/19/14			1
4H25003-CCB1	Fluoride						0.0					4H25003		08/19/14	08/19/14			1
4H25003-CCB1	Sulfate						0					4H25003		08/19/14	08/19/14			1
4H25003-CCB2	Chloride						0.2					4H25003		08/19/14	08/19/14			1
4H25003-CCB2	Fluoride						0.0					4H25003		08/19/14	08/19/14			1
4H25003-CCB2	Sulfate						0					4H25003		08/19/14	08/19/14			1
4H25003-CCB3	Chloride						0					4H25003		08/19/14	08/19/14			1
4H25003-CCB3	Fluoride						0.0					4H25003		08/19/14	08/19/14			1
4H25003-CCB3	Sulfate						0					4H25003		08/19/14	08/19/14			1
4H25003-CCB4	Chloride						0					4H25003		08/19/14	08/19/14			1
4H25003-CCB4	Fluoride						0.0					4H25003		08/19/14	08/19/14			1
4H25003-CCB4	Sulfate						0					4H25003		08/19/14	08/19/14			1
4H25003-CCB5	Chloride						0.2					4H25003		08/19/14	08/19/14			1
4H25003-CCB5	Fluoride						0.0					4H25003		08/19/14	08/19/14			1
4H25003-CCB5	Sulfate						0.5					4H25003		08/19/14	08/19/14			1
Calibration Check - Method EPA 300.0																		
4H25003-CCV1	Chloride	100		90	110		20			20.0		4H25003		08/19/14	08/19/14			1
4H25003-CCV1	Fluoride	95.0		90	110		1.9			2.00		4H25003		08/19/14	08/19/14			1
4H25003-CCV1	Sulfate	97.5		90	110		39			40.0		4H25003		08/19/14	08/19/14			1
4H25003-CCV2	Chloride	100		90	110		20			20.0		4H25003		08/19/14	08/19/14			1
4H25003-CCV2	Fluoride	95.0		90	110		1.9			2.00		4H25003		08/19/14	08/19/14			1
4H25003-CCV2	Sulfate	97.5		90	110		39			40.0		4H25003		08/19/14	08/19/14			1
4H25003-CCV3	Chloride	100		90	110		20			20.0		4H25003		08/19/14	08/19/14			1
4H25003-CCV3	Fluoride	90.0		90	110		1.8			2.00		4H25003		08/19/14	08/19/14			1
4H25003-CCV3	Sulfate	95.0		90	110		38			40.0		4H25003		08/19/14	08/19/14			1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
4H25003-CCV4	Chloride	100		90	110		20			20.0		4H25003		08/19/14	08/19/14			1
4H25003-CCV4	Fluoride	95.0		90	110		1.9			2.00		4H25003		08/19/14	08/19/14			1
4H25003-CCV4	Sulfate	95.0		90	110		38			40.0		4H25003		08/19/14	08/19/14			1
4H25003-CCV5	Chloride	100		90	110		20			20.0		4H25003		08/19/14	08/19/14			1
4H25003-CCV5	Fluoride	95.0		90	110		1.9			2.00		4H25003		08/19/14	08/19/14			1
4H25003-CCV5	Sulfate	97.5		90	110		39			40.0		4H25003		08/19/14	08/19/14			1
LCSW - Method EPA 300.0																		
B408701-BS1	Chloride	96.0		90	110		48			50.0		B408701		08/21/14	08/21/14	0.07	1	1
B408701-BS1	Fluoride	94.0		90	110		4.7			5.00		B408701		08/21/14	08/21/14	0.02	0.1	1
B408701-BS1	Sulfate	95.0		90	110		95			100		B408701		08/21/14	08/21/14	0.2	1	1
B408701-BS2	Chloride	98.0		90	110		49			50.0		B408701		08/21/14	08/21/14	0.07	1	1
B408701-BS2	Fluoride	96.0		90	110		4.8			5.00		B408701		08/21/14	08/21/14	0.02	0.1	1
B408701-BS2	Sulfate	96.0		90	110		96			100		B408701		08/21/14	08/21/14	0.2	1	1
LCSW Dup - Method EPA 300.0																		
B408701-BSD1	Chloride	96.0	0.00	90	110	20	48			50.0		B408701		08/21/14	08/21/14	0.07	1	1
B408701-BSD1	Fluoride	94.0	0.00	90	110	20	4.7			5.00		B408701		08/21/14	08/21/14	0.02	0.1	1
B408701-BSD1	Sulfate	95.0	0.00	90	110	200	95			100		B408701		08/21/14	08/21/14	0.2	1	1
B408701-BSD2	Chloride	100	2.02	90	110	20	50			50.0		B408701		08/21/14	08/21/14	0.07	1	1
B408701-BSD2	Fluoride	98.0	2.06	90	110	20	4.9			5.00		B408701		08/21/14	08/21/14	0.02	0.1	1
B408701-BSD2	Sulfate	98.0	2.06	90	110	200	98			100		B408701		08/21/14	08/21/14	0.2	1	1
Matrix Spike - Method EPA 300.0																		
B408701-MS1	Chloride	80.0		80	120		440	XXXXXXX-XX	360	100		B408701		08/21/14	08/21/14	0.7	10	10
B408701-MS1	Fluoride	96.0		80	120		10.0	XXXXXXX-XX	0.4	10.0		B408701		08/21/14	08/21/14	0.2	1.0	10
B408701-MS1	Sulfate	97.0		80	120		330	XXXXXXX-XX	136	200		B408701		08/21/14	08/21/14	2	10	10
B408701-MS2	Chloride	90.0		80	120		39	**1408803-02**	30	10.0		B408701		08/21/14	08/21/14	0.07	1	1
B408701-MS2	Fluoride	100		80	120		1.3	**1408803-02**	0.3	1.00		B408701		08/21/14	08/21/14	0.02	0.1	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B408701-MS2	Sulfate	**-120**		80	120		1600	**1408803-02**	1620	20.0		B408701		08/21/14	08/21/14	0.2	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B408701-MS3	Chloride	100		80	120		130	**1408803-02**	30	100		B408701		08/21/14	08/21/14	0.7	10	10
B408701-MS3	Fluoride	97.0		80	120		10.0	**1408803-02**	0.3	10.0		B408701		08/21/14	08/21/14	0.2	1.0	10
B408701-MS3	Sulfate	**40.0**		80	120		1700	**1408803-02**	1620	200		B408701		08/21/14	08/21/14	2	10	10
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B408701-MS4	Chloride	90.0		80	120		68	**1408803-03**	59	10.0		B408701		08/21/14	08/21/14	0.07	1	1
B408701-MS4	Fluoride	90.0		80	120		1.2	**1408803-03**	0.3	1.00		B408701		08/21/14	08/21/14	0.02	0.1	1
B408701-MS4	Sulfate	**-9050**		80	120		0	**1408803-03**	1810	20.0		B408701		08/21/14	08/21/14	0.2	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B408701-MS5	Chloride	91.0		80	120		150	**1408803-03**	59	100		B408701		08/21/14	08/21/14	0.7	10	10
B408701-MS5	Fluoride	97.0		80	120		10.0	**1408803-03**	0.3	10.0		B408701		08/21/14	08/21/14	0.2	1.0	10
B408701-MS5	Sulfate	**35.0**		80	120		1880	**1408803-03**	1810	200		B408701		08/21/14	08/21/14	2	10	10
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B408701-MS6	Chloride	**-140**		80	120		196	**1408803-05**	210	10.0		B408701		08/21/14	08/21/14	0.07	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B408701-MS6	Fluoride	100		80	120		1.7	**1408803-05**	0.7	1.00		B408701		08/21/14	08/21/14	0.02	0.1	1
B408701-MS6	Sulfate	**-215**		80	120		577	**1408803-05**	620	20.0		B408701		08/21/14	08/21/14	0.2	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B408701-MS7	Chloride	80.0		80	120		290	**1408803-05**	210	100		B408701		08/21/14	08/21/14	0.7	10	10
B408701-MS7	Fluoride	93.0		80	120		10.0	**1408803-05**	0.7	10.0		B408701		08/21/14	08/21/14	0.2	1.0	10
B408701-MS7	Sulfate	**75.0**		80	120		770	**1408803-05**	620	200		B408701		08/21/14	08/21/14	2	10	10
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		

Matrix Spike Dup - Method EPA 300.0

B408701-MSD1	Chloride	80.0	0.00	80	120	20	440	XXXXXXX-XX	360	100		B408701		08/21/14	08/21/14	0.7	10	10
B408701-MSD1	Fluoride	96.0	0.00	80	120	20	10.0	XXXXXXX-XX	0.4	10.0		B408701		08/21/14	08/21/14	0.2	1.0	10
B408701-MSD1	Sulfate	97.0	0.00	80	120	20	330	XXXXXXX-XX	136	200		B408701		08/21/14	08/21/14	2	10	10
B408701-MSD2	Chloride	80.0	2.60	80	120	20	38	**1408803-02**	30	10.0		B408701		08/21/14	08/21/14	0.07	1	1
B408701-MSD2	Fluoride	90.0	8.00	80	120	20	1.2	**1408803-02**	0.3	1.00		B408701		08/21/14	08/21/14	0.02	0.1	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B408701-MSD2	Sulfate	-40.0	0.998	80	120	20	1610	**1408803-02**	1620	20.0		B408701		08/21/14	08/21/14	0.2	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B408701-MSD3	Chloride	100	0.00	80	120	20	130	**1408803-02**	30	100		B408701		08/21/14	08/21/14	0.7	10	10
B408701-MSD3	Fluoride	97.0	0.00	80	120	20	10.0	**1408803-02**	0.3	10.0		B408701		08/21/14	08/21/14	0.2	1.0	10
B408701-MSD3	Sulfate	45.0	0.587	80	120	20	1710	**1408803-02**	1620	200		B408701		08/21/14	08/21/14	2	10	10
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B408701-MSD4	Chloride	80.0	1.48	80	120	20	67	**1408803-03**	59	10.0		B408701		08/21/14	08/21/14	0.07	1	1
B408701-MSD4	Fluoride	90.0	0.00	80	120	20	1.2	**1408803-03**	0.3	1.00		B408701		08/21/14	08/21/14	0.02	0.1	1
B408701-MSD4	Sulfate	-9050		80	120	20	0	**1408803-03**	1810	20.0		B408701		08/21/14	08/21/14	0.2	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B408701-MSD5	Chloride	101	6.45	80	120	20	160	**1408803-03**	59	100		B408701		08/21/14	08/21/14	0.7	10	10
B408701-MSD5	Fluoride	97.0	0.00	80	120	20	10.0	**1408803-03**	0.3	10.0		B408701		08/21/14	08/21/14	0.2	1.0	10
B408701-MSD5	Sulfate	35.0	0.00	80	120	20	1880	**1408803-03**	1810	200		B408701		08/21/14	08/21/14	2	10	10
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B408701-MSD6	Chloride	-150	0.512	80	120	20	195	**1408803-05**	210	10.0		B408701		08/21/14	08/21/14	0.07	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B408701-MSD6	Fluoride	100	0.00	80	120	20	1.7	**1408803-05**	0.7	1.00		B408701		08/21/14	08/21/14	0.02	0.1	1
B408701-MSD6	Sulfate	-230	0.521	80	120	20	574	**1408803-05**	620	20.0		B408701		08/21/14	08/21/14	0.2	1	1
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.																		
B408701-MSD7	Chloride	90.0	3.39	80	120	20	300	**1408803-05**	210	100		B408701		08/21/14	08/21/14	0.7	10	10
B408701-MSD7	Fluoride	93.0	0.00	80	120	20	10.0	**1408803-05**	0.7	10.0		B408701		08/21/14	08/21/14	0.2	1.0	10
B408701-MSD7	Sulfate	80.0	1.29	80	120	20	780	**1408803-05**	620	200		B408701		08/21/14	08/21/14	2	10	10

PBW - Method EPA 300.0

B408701-BLK1	Chloride						0					B408701		08/21/14	08/21/14	0.07	1	1
B408701-BLK1	Fluoride						0.0					B408701		08/21/14	08/21/14	0.02	0.1	1
B408701-BLK1	Sulfate						0					B408701		08/21/14	08/21/14	0.2	1	1
B408701-BLK2	Chloride						0					B408701		08/21/14	08/21/14	0.07	1	1
B408701-BLK2	Fluoride						0.0					B408701		08/21/14	08/21/14	0.02	0.1	1
B408701-BLK2	Sulfate						0					B408701		08/21/14	08/21/14	0.2	1	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method EPA 353.2																		
B409105-BLK1	Nitrate + Nitrite, Total						0.06					B409105		09/04/14	09/04/14	0.03	0.1	1
B409105-BLK2	Nitrate + Nitrite, Total						0.04					B409105		09/04/14	09/04/14	0.03	0.1	1
B409111-BLK1	Nitrate + Nitrite, Total						0.04					B409111		09/04/14	09/04/14	0.03	0.1	1
Calibration Blank - Method EPA 353.2																		
4I04014-CCB1	Nitrate + Nitrite, Total						0.02					4I04014		09/04/14	09/04/14			1
4I04014-CCB2	Nitrate + Nitrite, Total						0.02					4I04014		09/04/14	09/04/14			1
4I04014-CCB3	Nitrate + Nitrite, Total						0.01					4I04014		09/04/14	09/04/14			1
4I04015-CCB1	Nitrate + Nitrite, Total						0.01					4I04015		09/04/14	09/04/14			1
4I04015-CCB2	Nitrate + Nitrite, Total						0.02					4I04015		09/04/14	09/04/14			1
4I04015-CCB3	Nitrate + Nitrite, Total						0.03					4I04015		09/04/14	09/04/14			1
Calibration Check - Method EPA 353.2																		
4I04014-CCV1	Nitrate + Nitrite, Total	93.0		90	110		0.9			1.00		4I04014		09/04/14	09/04/14			1
4I04014-CCV2	Nitrate + Nitrite, Total	93.0		90	110		0.9			1.00		4I04014		09/04/14	09/04/14			1
4I04014-CCV3	Nitrate + Nitrite, Total	93.0		90	110		0.9			1.00		4I04014		09/04/14	09/04/14			1
4I04015-CCV1	Nitrate + Nitrite, Total	94.0		90	110		0.9			1.00		4I04015		09/04/14	09/04/14			1
4I04015-CCV2	Nitrate + Nitrite, Total	95.0		90	110		1.0			1.00		4I04015		09/04/14	09/04/14			1
4I04015-CCV3	Nitrate + Nitrite, Total	95.0		90	110		1.0			1.00		4I04015		09/04/14	09/04/14			1
Initial Cal Blank - Method EPA 353.2																		
4I04014-ICB1	Nitrate + Nitrite, Total						0.03					4I04014		09/04/14	09/04/14			1
4I04015-ICB1	Nitrate + Nitrite, Total						0.03					4I04015		09/04/14	09/04/14			1
Initial Cal Check - Method EPA 353.2																		
4I04014-ICV1	Nitrate + Nitrite, Total	93.0		90	110		0.9			1.00		4I04014		09/04/14	09/04/14			1
4I04015-ICV1	Nitrate + Nitrite, Total	94.0		90	110		0.9			1.00		4I04015		09/04/14	09/04/14			1
LCS - Method EPA 353.2																		
B409105-BS1	Nitrate + Nitrite, Total	96.5		90	110		1.9			2.00		B409105		09/04/14	09/04/14	0.03	0.1	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B409105-BS2	Nitrate + Nitrite, Total	96.0		90	110		1.9			2.00		B409105		09/04/14	09/04/14	0.03	0.1	1
B409111-BS1	Nitrate + Nitrite, Total	97.0		90	110		1.9			2.00		B409111		09/04/14	09/04/14	0.03	0.1	1

Matrix Spike - Method EPA 353.2

B409105-MS1	Nitrate + Nitrite, Total	65.0		80	120		0.6	XXXXXXX-XX	0	1.00		B409105		09/04/14	09/04/14	0.03	0.1	1
QM-05 - The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The analytical batch was accepted based on the acceptable data provided by the Laboratory Control Sample(s) [LCS] and/or LCS Duplicates.																		
B409105-MS2	Nitrate + Nitrite, Total	72.0		80	120		8.2	**1408803-03**	1.0	10.0		B409105		09/04/14	09/04/14	0.3	1.0	10
QM-010 - The MS recovery was outside acceptance limits but passed Duplicate Spike acceptance limits. The batch was accepted based on the acceptability of the MSD as the batch Spike.																		
B409111-MS1	Nitrate + Nitrite, Total	77.0		80	120		30.6	**1408803-05**	15.2	20.0		B409111		09/04/14	09/04/14	0.6	2.0	20
QM-05 - The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The analytical batch was accepted based on the acceptable data provided by the Laboratory Control Sample(s) [LCS] and/or LCS Duplicates.																		
B409111-MS2	Nitrate + Nitrite, Total	76.0		80	120		115	XXXXXXX-XX	39.0	100		B409111		09/04/14	09/04/14	3.0	10.0	100

Matrix Spike Dup - Method EPA 353.2

B409105-MSD1	Nitrate + Nitrite, Total	83.0	24.3	80	120	20	0.8	XXXXXXX-XX	0	1.00		B409105		09/04/14	09/04/14	0.03	0.1	1
QM-05 - The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The analytical batch was accepted based on the acceptable data provided by the Laboratory Control Sample(s) [LCS] and/or LCS Duplicates.																		
B409105-MSD2	Nitrate + Nitrite, Total	84.0	13.6	80	120	20	9.4	**1408803-03**	1.0	10.0		B409105		09/04/14	09/04/14	0.3	1.0	10
B409111-MSD1	Nitrate + Nitrite, Total	92.0	9.35	80	120	20	33.6	**1408803-05**	15.2	20.0		B409111		09/04/14	09/04/14	0.6	2.0	20
B409111-MSD2	Nitrate + Nitrite, Total	87.0	9.13	80	120	20	126	XXXXXXX-XX	39.0	100		B409111		09/04/14	09/04/14	3.0	10.0	100
QM-05 - The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The analytical batch was accepted based on the acceptable data provided by the Laboratory Control Sample(s) [LCS] and/or LCS Duplicates.																		

Blank - Method EPA 8260B

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B408858-BLK1	1,1,1,2-Tetrachloroethane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,1,1-Trichloroethane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,1,2,2-Tetrachloroethane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,1,2-Trichloroethane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,1,2-Trichlorotrifluoroethane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,1-Dichloroethane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,1-Dichloroethene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,1-Dichloropropene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,2,3-Trichlorobenzene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,2,3-Trichloropropane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,2,4-Trichlorobenzene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,2,4-Trimethylbenzene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,2-Dibromo-3-chloropropane						0.00				Yes	B408858		08/27/14	08/27/14	1.0	1.0	1
B408858-BLK1	1,2-Dibromoethane (EDB)						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,2-Dichlorobenzene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,2-Dichloroethane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,2-Dichloroethane-d4	109		70	130		10.9			10.0	Yes	B408858		08/27/14	08/27/14			1
B408858-BLK1	1,2-Dichloropropane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,3,5-Trimethylbenzene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,3-Dichlorobenzene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,3-Dichloropropane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	1,4-Dichlorobenzene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	2,2-Dichloropropane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	2-Chlorotoluene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	2-Nitropropane						0.00				Yes	B408858		08/27/14	08/27/14	10.0	10.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B408858-BLK1	4-Bromofluorobenzene	106		70	130		10.6			10.0	Yes	B408858		08/27/14	08/27/14			1
B408858-BLK1	4-Chlorotoluene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	4-Isopropyltoluene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Acetone						0.00				Yes	B408858		08/27/14	08/27/14	10.0	10.0	1
B408858-BLK1	Acrylonitrile						0.00				Yes	B408858		08/27/14	08/27/14	10.0	10.0	1
B408858-BLK1	Benzene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Bromobenzene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Bromochloromethane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Bromodichloromethane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Bromoform						0.00				Yes	B408858		08/27/14	08/27/14	1.0	1.0	1
B408858-BLK1	Bromomethane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Carbon Disulfide						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Carbon Tetrachloride						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Chlorobenzene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Chloroethane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Chloroform						0.00				Yes	B408858		08/27/14	08/27/14	1.0	1.0	1
B408858-BLK1	Chloromethane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	cis-1,2-Dichloroethene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	cis-1,3-Dichloropropene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Cyclohexanone						0.00				Yes	B408858		08/27/14	08/27/14	20.0	20.0	1
B408858-BLK1	Dibromochloromethane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Dibromomethane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Dichlorodifluoromethane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Ethyl Acetate						0.00				Yes	B408858		08/27/14	08/27/14	10.0	10.0	1
B408858-BLK1	Ethyl Ether						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Ethylbenzene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B408858-BLK1	Hexachlorobutadiene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Isobutanol						0.00				Yes	B408858		08/27/14	08/27/14	10.0	10.0	1
B408858-BLK1	Isopropylbenzene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Methyl Ethyl Ketone						0.00				Yes	B408858		08/27/14	08/27/14	10.0	10.0	1
B408858-BLK1	Methyl Isobutyl Ketone						0.00				Yes	B408858		08/27/14	08/27/14	10.0	10.0	1
B408858-BLK1	Methylene Chloride						0.00				Yes	B408858		08/27/14	08/27/14	1.0	1.0	1
B408858-BLK1	Methyl-tert-butyl ether (MTBE)						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Naphthalene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	n-Butyl Alcohol						0.00				Yes	B408858		08/27/14	08/27/14	40.0	40.0	1
B408858-BLK1	n-Butylbenzene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Nitrobenzene						0.00				Yes	B408858		08/27/14	08/27/14	20.0	20.0	1
B408858-BLK1	n-Propyl Benzene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	p-Isopropyltoluene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	sec-Butyl Benzene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Styrene						0.00				Yes	B408858		08/27/14	08/27/14	1.0	1.0	1
B408858-BLK1	tert-Butylbenzene						0.00				Yes	B408858		08/27/14	08/27/14	1.0	1.0	1
B408858-BLK1	Tetrachloroethene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Toluene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Toluene-d8	101		70	130		10.1			10.0	Yes	B408858		08/27/14	08/27/14			1
B408858-BLK1	trans-1,2-Dichloroethene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	trans-1,3-Dichloropropene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Trichloroethene						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Trichlorofluoromethane						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Vinyl Chloride						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BLK1	Xylenes, total						0.00				Yes	B408858		08/27/14	08/27/14	0.3	1.0	1

LCS - Method EPA 8260B

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
B408858-BS1	1,1-Dichloroethene	81.5		70	130		8.15			10.0	Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BS1	1,2-Dichloroethane-d4	106		70	130		10.6			10.0	Yes	B408858		08/27/14	08/27/14			1
B408858-BS1	4-Bromofluorobenzene	105		70	130		10.5			10.0	Yes	B408858		08/27/14	08/27/14			1
B408858-BS1	Benzene	96.2		70	130		9.62			10.0	Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BS1	Chlorobenzene	93.4		70	130		9.34			10.0	Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BS1	Toluene	95.0		70	130		9.50			10.0	Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
B408858-BS1	Toluene-d8	101		70	130		10.1			10.0	Yes	B408858		08/27/14	08/27/14			1
B408858-BS1	Trichloroethene	94.3		70	130		9.43			10.0	Yes	B408858		08/27/14	08/27/14	0.3	1.0	1
Matrix Spike - Method EPA 8260B																		
B408858-MS1	1,1-Dichloroethene	81.5		70	130		40.8	**1408803-03**	0	50.0	Yes	B408858		08/27/14	08/27/14	1.5	5.0	1
B408858-MS1	1,2-Dichloroethane-d4	103		70	130		51.4	**1408803-03**		50.0	Yes	B408858		08/27/14	08/27/14			1
B408858-MS1	4-Bromofluorobenzene	103		70	130		51.7	**1408803-03**		50.0	Yes	B408858		08/27/14	08/27/14			1
B408858-MS1	Benzene	99.7		70	130		49.8	**1408803-03**	0	50.0	Yes	B408858		08/27/14	08/27/14	1.5	5.0	1
B408858-MS1	Chlorobenzene	96.4		70	130		48.2	**1408803-03**	0	50.0	Yes	B408858		08/27/14	08/27/14	1.5	5.0	1
B408858-MS1	Toluene	97.4		70	130		48.7	**1408803-03**	0	50.0	Yes	B408858		08/27/14	08/27/14	1.5	5.0	1
B408858-MS1	Toluene-d8	101		70	130		50.4	**1408803-03**		50.0	Yes	B408858		08/27/14	08/27/14			1
B408858-MS1	Trichloroethene	96.4		70	130		48.2	**1408803-03**	0	50.0	Yes	B408858		08/27/14	08/27/14	1.5	5.0	1
Matrix Spike Dup - Method EPA 8260B																		
B408858-MSD1	1,1-Dichloroethene	83.6	2.54	70	130	20	41.8	**1408803-03**	0	50.0	Yes	B408858		08/27/14	08/27/14	1.5	5.0	1
B408858-MSD1	1,2-Dichloroethane-d4	106		70	130		53.0	**1408803-03**		50.0	Yes	B408858		08/27/14	08/27/14			1
B408858-MSD1	4-Bromofluorobenzene	105		70	130		52.4	**1408803-03**		50.0	Yes	B408858		08/27/14	08/27/14			1
B408858-MSD1	Benzene	103	3.06	70	130	20	51.4	**1408803-03**	0	50.0	Yes	B408858		08/27/14	08/27/14	1.5	5.0	1
B408858-MSD1	Chlorobenzene	99.1	2.76	70	130	20	49.6	**1408803-03**	0	50.0	Yes	B408858		08/27/14	08/27/14	1.5	5.0	1
B408858-MSD1	Toluene	102	4.12	70	130	20	50.8	**1408803-03**	0	50.0	Yes	B408858		08/27/14	08/27/14	1.5	5.0	1
B408858-MSD1	Toluene-d8	102		70	130		50.8	**1408803-03**		50.0	Yes	B408858		08/27/14	08/27/14			1
B408858-MSD1	Trichloroethene	99.2	2.86	70	130	20	49.6	**1408803-03**	0	50.0	Yes	B408858		08/27/14	08/27/14	1.5	5.0	1

QC ID	Analyte	% Rec	RPD	LCL	UCL	RPD Max	Result	QC Source	Source Conc	Spk Value	Surr?	Batch	Sampled	Prepared	Analyzed	MDL	MRL	DF
Blank - Method SM 2540 C																		
B408639-BLK1	Total Dissolved Solids (TDS)						2					B408639		08/21/14	08/21/14	10	10	2
Duplicate - Method SM 2540 C																		
B408639-DUP1	Total Dissolved Solids (TDS)		0.810			20	11200	XXXXXXX-XX	11100			B408639		08/21/14	08/21/14	50	50	10
B408639-DUP2	Total Dissolved Solids (TDS)		5.24			20	1490	**1408803-05**	1410			B408639		08/21/14	08/21/14	20	20	4
Reference - Method SM 2540 C																		
B408639-SRM1	Total Dissolved Solids (TDS)	96.0		90	110		192			200		B408639		08/21/14	08/21/14	10	10	2

Surrogate Summary for Sample Delivery Group - 1408803

Method EPA 8260B

QC ID	Surrogate	% Rec	LCL	UCL	Result	Spk Value	Batch	DF
1408803-03	1,2-Dichloroethane-d4	106	70	130	10.6	10.0	B408858	1
1408803-03	4-Bromofluorobenzene	108	70	130	10.8	10.0	B408858	1
1408803-03	Toluene-d8	102	70	130	10.2	10.0	B408858	1
1408803-08	1,2-Dichloroethane-d4	112	70	130	11.2	10.0	B408858	1
1408803-08	4-Bromofluorobenzene	108	70	130	10.8	10.0	B408858	1
1408803-08	Toluene-d8	102	70	130	10.2	10.0	B408858	1
B408858-BLK1	1,2-Dichloroethane-d4	109	70	130	10.9	10.0	B408858	1
B408858-BLK1	4-Bromofluorobenzene	106	70	130	10.6	10.0	B408858	1
B408858-BLK1	Toluene-d8	101	70	130	10.1	10.0	B408858	1
B408858-BS1	1,2-Dichloroethane-d4	106	70	130	10.6	10.0	B408858	1
B408858-BS1	4-Bromofluorobenzene	105	70	130	10.5	10.0	B408858	1
B408858-BS1	Toluene-d8	101	70	130	10.1	10.0	B408858	1
B408858-MS1	1,2-Dichloroethane-d4	103	70	130	51.4	50.0	B408858	1
B408858-MS1	4-Bromofluorobenzene	103	70	130	51.7	50.0	B408858	1
B408858-MS1	Toluene-d8	101	70	130	50.4	50.0	B408858	1
B408858-MSD1	1,2-Dichloroethane-d4	106	70	130	53.0	50.0	B408858	1
B408858-MSD1	4-Bromofluorobenzene	105	70	130	52.4	50.0	B408858	1
B408858-MSD1	Toluene-d8	102	70	130	50.8	50.0	B408858	1

CHEMTECH - FORD ANALYTICAL LABORATORY

Ground Water Program

CHAIN OF CUSTODY

KR

Jan Dalla

COMPANY: Energy Fuels Resources (USA) Inc.
ADDRESS: 6425 South Highway 191
CITY/STATE/ZIP: Blanding Utah 84511
PHONE #: 435-678-4115 **FAX:**
CONTACT: Garrin Palmer **PROJECT:** White Mesa Mill
EMAIL: gpalmer@energyfuels.com, kweinel@energyfuels.com

BILLING ADDRESS: 225 Union Boulevard, Suite 600
BILLING CITY/STATE/ZIP: Lakewood, Colorado 80228
PURCHASE ORDER #:

CHEMTECH-FORD LABORATORIES

TURNAROUND REQUIRED:* Standard

* Expedited turnaround subject to additional charge

Lab Use Only	CLIENT SAMPLE INFORMATION					TESTS REQUESTED																	Bacteria			
08803	LOCATION / IDENTIFICATION	DATE	TIME	MATRIX	Field: Residual Chlorine	Dissolved Manganese (200.7/200.8)	Dissolved Cadmium (200.7/200.8)	Fluoride (SM4500-F C/300.0)	Dissolved Uranium (200.7/200.8)	Nitrate/Nitrite asn N (353.2)	VOCs (8260b/8260C) Chloroform, Methylene Chloride and Carbon Tetrachloride	Chloride (SM4500-Cl B or SM4500-Cl E or E300.0)	Dissolved Selenium (200.7/200.8)	TDS (SM 2540 C)	Sulfate (SM4500-SO4 E or E300.0	Dissolved Thallium (200.7/200.8)							Total Coliform + E coli (Present/Absent)	Total Coliform + E coli (Enumerated)	HPC (Plate Count)	E Coli Only
-01	1. MW-11_08202014	8/20/2014	1155	GW		X																				
-02	2. MW-25_08182014	8/18/2014	1125	GW			X	X	X																	
-03	3. MW-26_08202014	8/20/2014	1015	GW					X	X	X	X														
-04	4. MW-30_08202014	8/20/2014	1045	GW					X	X		X	X													
-05	5. MW-31_08182014	8/18/2014	1320	GW						X		X	X	X	X											
-06	6. MW-35_08202014	8/20/2014	1320	GW		X			X				X			X										
-07	7. MW-65_08202014	8/20/2014	1045	GW					X	X			X													
-08	8. Trip Blank	8/20/2014									X															
	9. Temp Blank																									
	10.																									

Sampled by: (print) Garrin Palmer Sampled by: (signature)

ON ICE NOT ON ICE Temp (C°): 0.7

Special Instructions: All metals samples are field filtered unless otherwise noted. PDF Data packages are to be sent to Garrin Palmer and Kathy Weinel.

Samples received outside the EPA recommended temperature range of 0-6 C° may be rejected.

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
	8/21/14 / 0830		8/21/2014 0830
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

CHEMTECH-FORD
9632 South 500 West
Sandy, UT 84070
801.262.7299 PHONE
866.792.0093 FAX
www.chemtechford.com

Payment Terms are net 30 days OAC. 1.5% interest charge per month (18% per annum). Client agrees to pay collection costs and attorney's fees

CHEMTECH FORD LABORATORIES

Sample Receipt

CHEMTECH-FORD LABORATORIES

Work Order # 06803

Delivery Method:

- ☐ UPS
- ☐ USPS
- ☐ FedEx
- ☐ Chemtech Courier
- ☒ Walk-in
- ☐ Courier

Receiving Temperature 0.7 °C

Sample #	Container	Chemtech Lot # or Preservative	Number of Subsamples	Preserved by Client/Third Party	Preserved in Receiving/Laboratory	Sampled Field by Client	Misc Volume (ml/L)	Comments
01	M	307						
02	M	–		x				
	AP	–						
03	M	307						
	N	292						
	AP	–						
	W1-3	298						
04	AP	–						
	N	292						
	M	307						
05	M	–		x				
	AP	–						
	N	–		x				
	A½P	–						
06	M	307						
07	M	307						
	N	292						
	AP							
08	W1-3			x				

Sample Condition (check if yes)

- ☐ Custody Seals
- ☒ Containers Intact
- ☒ COC/Labels Agree
- ☒ Preservation Confirmed
- ☒ Received on Ice
- ☒ Correct Container(s)
- ☒ Sufficient Sample Volume
- ☐ Headspace Present (VOC)
- ☐ Temperature Blank
- ☒ Received within Holding Time

Plastic Containers

- A- Plastic Unpreserved
- B- Miscellaneous Plastic
- C- Cyanide Qt (NaOH)
- F- Sulfide Qt (Zn Acetate)
- L- Mercury 1631
- M- Metals Pint (HNO3)
- N- Nutrient Pint (H2SO4)
- R- Radiological (HNO3)
- S- Sludge Cups/Tubs
- Q- Plastic Bag
- E- Coliform/Ecoli

Glass Containers

- D- 625 (Na2S2O3)
- G- Glass Unpreserved
- H- HMs (NH4Cl)
- J- 508/515/525 (Na2SO3)
- K- 515.3 Herbicides
- O- Oil & Grease (HCl)
- P- Phenols (H2SO4)
- T- TOC/TOX (H3PO4)
- U- 531 (MCAA, Na2S2O3)
- V- 524/THMs (Ascorbic Acid)
- W- 8260 VOC (1:1 HCl)
- X- Vial Unpreserved
- Y- 524/504 (Na2S2O3)
- Z- Miscellaneous Glass

CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

Report Footnotes

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.
1 mg/L = one milligram per liter or 1 mg/Kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.

Flag Descriptions

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

September 19, 2014

Ms. Kathy Weinel
Energy Fuels Resources (USA), Inc.
225 Union Boulevard
Suite 600
Lakewood, Colorado 80228

Re: White Mesa Mill GW
Work Order: 355401

Dear Ms. Weinel:

GEL Laboratories, LLC (GEL) appreciates the opportunity to provide the enclosed analytical results for the sample(s) we received on August 25, 2014. 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

Energy Fuels Resources (USA), Inc.
White Mesa Mill GW
SDG: 355401

Receipt Narrative
for
Energy Fuels Resources (USA), Inc.
SDG: 355401

September 19, 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 August 25, 2014 for analysis.

Sample Identification: The laboratory received the following sample:

Laboratory ID	Client ID
355401001	MW-35_08202014

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

355401

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
August Monthly GW 2014	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-35_08202014	8/20/2014	1320	Gross Alpha

Comments:

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday Tanner Holliday	8/21/2014 1000	P. Nent 0925 ~~09:45~~	8/25/14
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
		PD 8/25	14

Sample was field filtered

GEL Laboratories LLC

SAMPLE RECEIPT & REVIEW FORM

Client: DNMI	SDG/AR/COC/Work Order: 355401
Received By: P. Wert	Date Received: 8/25/14

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) 2/c *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: CELL 65 TIME ON Sample 09:25
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.	X			Circle Applicable: FedEx Air FedEx Ground UPS Field Services Courier Other 1Z 187 Y4Y 02 9348 9662

Comments (Use Continuation Form if needed):

PM (or PMA) review: Initials HH Date 082614 Page 1 of 1

GEL Laboratories LLC – Login Review Report

GEL Work Order/SDG: 355401 **August Monthly GW 2014**
Client SDG: 355401
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-SEP-14
Package Due Date: 19-SEP-14
EDD Due Date: 22-SEP-14
Due Date: 22-SEP-14
HXS1

Collector: C
Prelogin #: 20140820530
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
355401001	MW-35_08202014		20-AUG-14 13:20	25-AUG-14 09:00	-2	1	GROUND WATER		20		1		

	Client Sample ID	Status	Tests/Methods	Product Reference	Fax Date	PM Comments	Aux Data		Receive Codes
-001	MW-35_08202014	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

Peer Review by:_____ Work Order (SDG#), PO# Checked?_____ C of C signed in receiver location? _____

List of current GEL Certifications as of 19 September 2014

State	Certification
Alaska	UST-110
Arkansas	88-0651
CLIA	42D0904046
California NELAP	01151CA
Colorado	SC00012
Connecticut	PH-0169
Delaware	SC000122013-10
DoD ELAP/ ISO17025 A2LA	2567.01
Florida NELAP	E87156
Foreign Soils Permit	P330-12-00283, P330-12-00284
Georgia	SC00012
Georgia SDWA	967
Hawaii	SC000122013-10
Idaho Chemistry	SC00012
Idaho Radiochemistry	SC00012
Illinois NELAP	200029
Indiana	C-SC-01
Kansas NELAP	E-10332
Kentucky	90129
Louisiana NELAP	03046 (AI33904)
Louisiana SDWA	LA130005
Maryland	270
Massachusetts	M-SC012
Michigan	9976
Mississippi	SC000122013-10
Nebraska	NE-OS-26-13
Nevada	SC000122014-1
New Hampshire NELAP	2054
New Jersey NELAP	SC002
New Mexico	SC00012
New York NELAP	11501
North Carolina	233
North Carolina SDWA	45709
Oklahoma	9904
Pennsylvania NELAP	68-00485
Plant Material Permit	PDEP-12-00260
South Carolina Chemistry	10120001
South Carolina GVL	23611001
South Carolina Radiochemi	10120002
Tennessee	TN 02934
Texas NELAP	T104704235-14-9
Utah NELAP	SC000122014-14
Vermont	VT87156
Virginia NELAP	460202
Washington	C780-12
Wisconsin	999887790

Radiochemistry Case Narrative
Energy Fuels Resources (DNMI)
SDG 355401

Method/Analysis Information

Product:	**GFPC, Total Alpha Radium, Liquid**
Analytical Method:	EPA 900.1 Modified
Analytical Batch Number:	1419295

Sample ID	Client ID
355401001	MW-35_08202014
1203167962	MB for batch 1419295
1203167966	Laboratory Control Sample (LCS)
1203167963	355401001(MW-35_08202014) Sample Duplicate (DUP)
1203167964	355401001(MW-35_08202014) Matrix Spike (MS)
1203167965	355401001(MW-35_08202014) Matrix Spike Duplicate (MSD)

The samples in this SDG were analyzed on an "as received" basis.

SOP Reference
Procedure for preparation, analysis and reporting of analytical data are controlled by GEL Laboratories LLC as Standard Operating Procedure (SOP). The data discussed in this narrative has been analyzed in accordance with GL-RAD-A-010 REV# 15.

Calibration Information:

Calibration Information
All initial and continuing calibration requirements have been met.

Standards Information
Standard solutions for these analysis are NIST traceable or verified with a NIST traceable standard and used before the expiration dates.

Sample Geometry
All counting sources were prepared in the same geometry as the calibration standards.

Quality Control (QC) Information:

Blank Information
The blank volume is representative of the sample volume in this batch.

Designated QC
The following sample was used for QC: 355401001 (MW-35_08202014).

QC Information
All of the QC samples meet the required acceptance limits with the following exceptions: The sample and the

duplicate, 1203167963 (MW-35_08202014) and 355401001 (MW-35_08202014), did not meet the relative percent difference requirement; however, they do meet the relative error ratio requirement with value of 1.48.

Technical Information:

Holding Time
All sample procedures for this sample set were performed within the required holding time.

Sample Re-prep/Re-analysis
Samples were reprepped to verify the results. The re-analysis is being reported.

Chemical Recoveries
All chemical recoveries meet the required acceptance limits for this sample set.

Recounts
Sample 1203167962 (MB) was recounted due to high MDC. The recount is reported.

Miscellaneous Information:

Data Exception (DER) Documentation
Data exception reports are generated to document any procedural anomalies that may deviate from referenced SOP or contractual documents. A data exception report (DER) was not generated for this SDG.

Sample-Specific MDA/MDC
The MDA/MDC reported on the certificate of analysis is a sample-specific MDA/MDC.

Additional Comments
The matrix spike and matrix spike duplicate, 1203167964 (MW-35_08202014) and 1203167965 (MW-35_08202014), 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: 355401 GEL Work Order: 355401

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 SEP 2014 **Title: Analyst I**

GEL LABORATORIES LLC

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

QC Summary

Report Date: September 19, 2014

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

Contact: **Ms. Kathy Weinel**

Workorder: **355401**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Rad Gas Flow										
Batch 1419295										
QC1203167963 355401001 DUP										
Gross Radium Alpha		4.70		3.28	pCi/L	35.6*		(0%-20%)	CXP3	09/18/14 07:24
	Uncertainty	+/-0.640		+/-0.502						
QC1203167966 LCS										
Gross Radium Alpha	413			389	pCi/L		94.3	(75%-125%)		09/18/14 07:24
	Uncertainty			+/-5.10						
QC1203167962 MB										
Gross Radium Alpha			U	0.229	pCi/L					09/18/14 11:28
	Uncertainty			+/-0.213						
QC1203167964 355401001 MS										
Gross Radium Alpha	1670	4.70		1430	pCi/L		85.2	(75%-125%)		09/18/14 07:24
	Uncertainty	+/-0.640		+/-19.2						
QC1203167965 355401001 MSD										
Gross Radium Alpha	1670	4.70		1680	pCi/L	16.0	100	(0%-20%)		09/18/14 07:24
	Uncertainty	+/-0.640		+/-23.4						

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: **355401**

Parmname	NOM	Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date	Time

NJ	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Q	One or more quality control criteria have not been met. Refer to the applicable narrative or DER.
R	Sample results are rejected
U	Analyte was analyzed for, but not detected above the CRDL.
UI	Gamma Spectroscopy--Uncertain identification
UJ	Gamma Spectroscopy--Uncertain identification
UL	Not considered detected. The associated number is the reported concentration, which may be inaccurate due to a low bias.
X	Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
Y	QC Samples were not spiked with this compound
^	RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
h	Preparation or preservation holding time was exceeded

N/A indicates that spike recovery limits do not apply when sample concentration exceeds spike conc. by a factor of 4 or more or %RPD not applicable.
^ The Relative Percent Difference (RPD) obtained from the sample duplicate (DUP) is evaluated against the acceptance criteria when the sample is greater than five times (5X) the contract required detection limit (RL). In cases where either the sample or duplicate value is less than 5X the RL, a control limit of +/- the RL is used to evaluate the DUP result.
* Indicates that a Quality Control parameter was not within specifications.
For PS, PSD, and SDILT results, the values listed are the measured amounts, not final concentrations.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the QC Summary.

Tab G

Quality Assurance and Data Validation Tables

G-1A: Quarterly Field Data QA/QC Evaluation

Well	Sample Date	Time Req'd for 2 Casings	Time Pumped (min)	Amount Sufficient?	Specific Conductance		RPD(%)	pH		RPD(%)	Temp (°C)		RPD(%)	Redox Potential (Eh)		RPD(%)	Turbidity (NTU)		>5 NTU	RPD(%)
MW-01	9/10/2014	182.48	190	Y	1951	1956	0.26	6.75	6.75	0.00	15.11	15.11	0.00	132	128	3.08	8.4	8.3	Y	1.20
MW-03	9/16/2014	50.09	55	Y	5817	5837	0.34	6.13	6.13	0.00	15.44	15.47	0.19	323	323	0.00	1.0	1.0	N	0.00
MW-03A	9/17/2014	63.66	65	Pumped dry	6045	6029	0.27	6.39	6.40	0.16	20.90	20.96	0.29	NM		NC	NM		N	NC
MW-05	9/11/2014	193.73	200	Y	2601	2599	0.08	7.12	7.13	0.14	21.80	21.85	0.23	203	198	2.49	0	0	N	0.00
MW-11	9/8/2014	261.80	270	Y	2765	2760	0.18	7.58	7.57	0.13	15.12	15.15	0.20	174	168	3.51	1.9	1.9	N	0.00
MW-12	9/16/2014	132.10	135	Y	4312	4316	0.09	6.47	6.47	0.00	15.61	15.52	0.58	302	301	0.33	0.0	0.0	N	0.00
MW-14	9/2/2014	152.86	160	Y	3892	3889	0.08	6.42	6.41	0.16	15.10	15.05	0.33	337	337	0.00	0.5	0.5	N	0.00
MW-15	9/2/2014	185.36	190	Y	4143	4172	0.70	6.40	6.38	0.31	15.86	15.90	0.25	268	267	0.37	0.8	0.8	N	0.00
MW-18	9/9/2014	378.13	390	Y	3453	3451	0.06	6.41	6.40	0.16	14.54	14.52	0.14	301	299	0.67	0	0	N	0.00
MW-19	9/11/2014	538.04	550	Y	1489	1494	0.34	6.47	6.46	0.15	19.00	18.94	0.32	275	275	0.00	2.0	2.0	N	0.00
MW-23	9/4/2014	112.89	120	Pumped dry	3853		NC	6.56		NC	19.15		NC	184		NC	3.0		N	NC
MW-24	9/17/2014	42.85	40.0	Pumped dry	4457	4465	0.18	5.09	5.09	0.00	18.01	18.00	0.06	NM		NC	NM		N	NC
MW-25	9/3/2014	243.26	250	Y	3161	3161	0.00	6.50	6.50	0.00	15.11	15.05	0.40	334	334	0.00	0	0	N	0.00
MW-26	9/4/2014	NA			3421		NC	6.67		NC	15.73		NC	187		NC	0.2		N	NC
MW-27	9/8/2014	249.76	255	Y	1486	1476	0.68	6.99	6.97	0.29	15.01	15.00	0.07	300	300	0.00	1.0	1.0	N	0.00
MW-28	9/16/2014	206.49	210	Y	4102	4089	0.32	5.79	5.79	0.00	15.05	15.01	0.27	316	314	0.63	2.2	2.2	N	0.00
MW-29	9/10/2014	154.93	160	Y	4750	4743	0.15	6.10	6.10	0.00	15.09	15.14	0.33	195	191	2.07	10.7	10.4	Y	2.84
MW-30	9/9/2014	209.14	210	Y	2042	2042	0.00	6.84	6.82	0.29	14.77	14.76	0.07	287	284	1.05	0	0	N	0.00
MW-31	9/3/2014	373.14	380	Y	2075	2075	0.00	6.95	6.94	0.14	14.62	14.62	0.00	189	200	5.66	5.1	5.0	Y	1.98
MW-32	9/2/2014	341.60	360	Y	3780	3792	0.32	6.19	6.17	0.32	15.23	15.22	0.07	137	138	0.73	17	17	Y	0.00
MW-35	9/3/2014	74.02	80	Y	3871	3900	0.75	6.47	6.46	0.15	16.49	16.50	0.06	269	267	0.75	0	0	N	0.00
MW-36	9/3/2014	67.52	70	Y	4934	4938	0.08	6.89	6.87	0.29	15.83	15.80	0.19	317	318	0.31	0	0	N	0.00
MW-37	9/17/2014	N/A	N/A	Bailed dry	4402	4390	0.27	6.71	6.70	0.15	19.88	20.00	0.60	NM		NC	NM		N	NC

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements less than 5 NTU are included for information purposes only.

MW-26 is a continuously pumped well.

Well was purged dry.

N/A = The amount of water in the well was insufficient to purge. The pump was not able to operate due to the minimal amount of water. The well was purged and sampled with a bailer.

NM = Not Measured. The QAP does not require the measurement of redox potential or turbidity in wells that were purged to dryness.

NC = Not calculated.

Well was purged dry after 2 casing volumes were removed.

G-1B: Acelerated Field Data QA/QC Evaluation

Well	Sample Date	Time Req'd for 2 Casings	Time Pumped (min)	Amount Sufficient?	Specific Conductance		RPD(%)	pH		RPD(%)	Temp (°C)		RPD(%)	Redox Potential (Eh)		RPD(%)	Turbidity (NTU)		<5 (NTU)	RPD(%)
Accelerated July Monthly																				
MW-11	7/29/2014	260.59	270	Y	2918	2920	0.07	7.36	7.35	0.14	15.25	15.13	0.79	215	225	4.55	1.6	1.6	Y	0.00
MW-14	7/28/2014	151.24	155	Y	3937	3910	0.69	6.44	6.44	0.00	16.15	16.20	0.31	192	191	0.52	1.0	1.0	Y	0.00
MW-25	7/28/2014	242.54	245	Y	3271	3286	0.46	6.35	6.34	0.16	15.11	15.00	0.73	237	233	1.70	70	71	N	1.42
MW-26	7/29/2014	NA			3564		NC	6.60		NC	15.89		NC	289		NC	1.7		Y	NC
MW-30	7/29/2014	207.87	210	Y	2080	2063	0.82	6.78	6.76	0.30	15.38	15.30	0.52	282	284	0.71	0	0	Y	0.00
MW-31	7/28/2014	371.63	375	Y	2146	2169	1.07	6.88	6.88	0.00	15.35	15.32	0.20	220	220	0.00	4	4	Y	0.00
MW-35	7/29/2014	72.82	75	Y	4196	4190	0.14	6.57	6.55	0.30	15.48	15.43	0.32	282	281	0.36	0	0	Y	0.00
Accelerated August Monthly																				
MW-11	8/20/2014	262.10	270	Y	2883	2893	0.35	7.84	7.80	0.51	15.25	15.33	0.52	106	106	0.00	0	0	Y	0.00
MW-14	8/20/2014	153.89	160	Y	3905	3914	0.23	7.08	7.07	0.14	16.62	16.60	0.12	198	202	2.00	0	0	Y	0.00
MW-25	8/18/2014	243.26	250	Y	3199	3189	0.31	7.19	7.17	0.28	15.39	15.30	0.59	273	273	0.00	19	19	N	0.00
MW-26	8/20/2014	NA			3511		NC	7.28			16.18			184			0.0		Y	NC
MW-30	8/20/2014	209.22	215	Y	2051	2049	0.10	7.55	7.51	0.53	15.20	15.17	0.20	192	197	2.57	0	0	Y	0.00
MW-31	8/18/2014	372.11	380	Y	2090	2092	0.10	7.64	7.60	0.52	15.60	15.63	0.19	270	273	1.10	3.1	3.0	Y	0.00
MW-35	8/20/2014	73.72	80	Y	4141	4129	0.29	7.11	7.07	0.56	15.73	15.74	0.06	200	202	1.00	0	0	Y	0.00

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements less than 5 NTU are included for information purposes only.

MW-26 is a continuously pumped well.

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
Trip Blank	2-BUTANONE	9/2/2014	9/10/2014	8	14	OK
Trip Blank	ACETONE	9/2/2014	9/10/2014	8	14	OK
Trip Blank	BENZENE	9/2/2014	9/10/2014	8	14	OK
Trip Blank	CARBON TETRACHLORIDE	9/2/2014	9/10/2014	8	14	OK
Trip Blank	CHLOROFORM	9/2/2014	9/10/2014	8	14	OK
Trip Blank	CHLOROMETHANE	9/2/2014	9/10/2014	8	14	OK
Trip Blank	METHYLENE CHLORIDE	9/2/2014	9/10/2014	8	14	OK
Trip Blank	NAPHTHALENE	9/2/2014	9/10/2014	8	14	OK
Trip Blank	TETRAHYDROFURAN	9/2/2014	9/10/2014	8	14	OK
Trip Blank	TOLUENE	9/2/2014	9/10/2014	8	14	OK
Trip Blank	XYLENES, TOTAL	9/2/2014	9/10/2014	8	14	OK
Trip Blank	2-BUTANONE	9/8/2014	9/15/2014	7	14	OK
Trip Blank	ACETONE	9/8/2014	9/15/2014	7	14	OK
Trip Blank	BENZENE	9/8/2014	9/15/2014	7	14	OK
Trip Blank	CARBON TETRACHLORIDE	9/8/2014	9/15/2014	7	14	OK
Trip Blank	CHLOROFORM	9/8/2014	9/15/2014	7	14	OK
Trip Blank	CHLOROMETHANE	9/8/2014	9/15/2014	7	14	OK
Trip Blank	METHYLENE CHLORIDE	9/8/2014	9/15/2014	7	14	OK
Trip Blank	NAPHTHALENE	9/8/2014	9/15/2014	7	14	OK
Trip Blank	TETRAHYDROFURAN	9/8/2014	9/15/2014	7	14	OK
Trip Blank	TOLUENE	9/8/2014	9/15/2014	7	14	OK
Trip Blank	XYLENES, TOTAL	9/8/2014	9/15/2014	7	14	OK
Trip Blank	2-BUTANONE	9/17/2014	9/19/2014	2	14	OK
Trip Blank	ACETONE	9/17/2014	9/19/2014	2	14	OK
Trip Blank	BENZENE	9/17/2014	9/19/2014	2	14	OK
Trip Blank	CARBON TETRACHLORIDE	9/17/2014	9/19/2014	2	14	OK
Trip Blank	CHLOROFORM	9/17/2014	9/19/2014	2	14	OK
Trip Blank	CHLOROMETHANE	9/17/2014	9/19/2014	2	14	OK
Trip Blank	METHYLENE CHLORIDE	9/17/2014	9/19/2014	2	14	OK
Trip Blank	NAPHTHALENE	9/17/2014	9/19/2014	2	14	OK
Trip Blank	TETRAHYDROFURAN	9/17/2014	9/19/2014	2	14	OK
Trip Blank	TOLUENE	9/17/2014	9/19/2014	2	14	OK
Trip Blank	XYLENES, TOTAL	9/17/2014	9/19/2014	2	14	OK
MW-01	2-BUTANONE	9/10/2014	9/17/2014	7	14	OK
MW-01	ACETONE	9/10/2014	9/17/2014	7	14	OK
MW-01	BENZENE	9/10/2014	9/17/2014	7	14	OK
MW-01	CARBON TETRACHLORIDE	9/10/2014	9/17/2014	7	14	OK
MW-01	CHLOROFORM	9/10/2014	9/17/2014	7	14	OK
MW-01	CHLOROMETHANE	9/10/2014	9/17/2014	7	14	OK
MW-01	MANGANESE	9/10/2014	9/26/2014	16	180	OK
MW-01	METHYLENE CHLORIDE	9/10/2014	9/17/2014	7	14	OK
MW-01	NAPHTHALENE	9/10/2014	9/17/2014	7	14	OK
MW-01	SULFATE	9/10/2014	9/12/2014	2	28	OK
MW-01	TETRAHYDROFURAN	9/10/2014	9/17/2014	7	14	OK
MW-01	TOLUENE	9/10/2014	9/17/2014	7	14	OK
MW-01	XYLENES, TOTAL	9/10/2014	9/17/2014	7	14	OK
MW-03	FLUORIDE	9/16/2014	9/19/2014	3	27	OK
MW-03	NITRATE + NITRITE AS N	9/16/2014	9/26/2014	10	28	OK
MW-03	SELENIUM	9/16/2014	9/30/2014	14	180	OK
MW-03	SULFATE	9/16/2014	9/19/2014	3	28	OK
MW-03A	NITRATE + NITRITE AS N	9/17/2014	9/25/2014	8	28	OK
MW-03A	SELENIUM	9/17/2014	9/30/2014	13	180	OK
MW-03A	SULFATE	9/17/2014	9/19/2014	2	28	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-03A	TOTAL DISSOLVED SOLIDS	9/17/2014	9/22/2014	5	7	OK
MW-05	URANIUM	9/11/2014	9/29/2014	18	180	OK
MW-11	2-BUTANONE	9/8/2014	9/15/2014	7	14	OK
MW-11	ACETONE	9/8/2014	9/15/2014	7	14	OK
MW-11	ALKALINITY, BICARBONATE (AS CACO3)	9/8/2014	9/19/2014	11	28	OK
MW-11	ALKALINITY, CARBONATE (AS CACO3)	9/8/2014	9/19/2014	11	14	OK
MW-11	AMMONIA AS N	9/8/2014	9/14/2014	6	28	OK
MW-11	ARSENIC	9/8/2014	9/16/2014	8	180	OK
MW-11	BENZENE	9/8/2014	9/15/2014	7	14	OK
MW-11	BERYLLIUM	9/8/2014	9/16/2014	8	180	OK
MW-11	CADMIUM	9/8/2014	9/16/2014	8	180	OK
MW-11	CALCIUM	9/8/2014	9/26/2014	18	180	OK
MW-11	CARBON TETRACHLORIDE	9/8/2014	9/15/2014	7	14	OK
MW-11	CHLORIDE	9/8/2014	9/12/2014	4	28	OK
MW-11	CHLOROFORM	9/8/2014	9/15/2014	7	14	OK
MW-11	CHLOROMETHANE	9/8/2014	9/15/2014	7	14	OK
MW-11	CHROMIUM	9/8/2014	9/16/2014	8	180	OK
MW-11	COBALT	9/8/2014	9/16/2014	8	180	OK
MW-11	COPPER	9/8/2014	9/16/2014	8	180	OK
MW-11	FLUORIDE	9/8/2014	9/12/2014	4	27	OK
MW-11	Gross Radium Alpha	9/8/2014	10/8/2014	30	180	OK
MW-11	IRON	9/8/2014	9/26/2014	18	180	OK
MW-11	LEAD	9/8/2014	9/16/2014	8	180	OK
MW-11	MAGNESIUM	9/8/2014	9/26/2014	18	180	OK
MW-11	MANGANESE	9/8/2014	9/26/2014	18	180	OK
MW-11	MERCURY	9/8/2014	9/16/2014	8	180	OK
MW-11	METHYLENE CHLORIDE	9/8/2014	9/15/2014	7	14	OK
MW-11	MOLYBDENUM	9/8/2014	9/16/2014	8	180	OK
MW-11	NAPHTHALENE	9/8/2014	9/15/2014	7	14	OK
MW-11	NICKEL	9/8/2014	9/16/2014	8	180	OK
MW-11	NITRATE + NITRITE AS N	9/8/2014	9/25/2014	17	28	OK
MW-11	POTASSIUM	9/8/2014	9/26/2014	18	180	OK
MW-11	SELENIUM	9/8/2014	9/16/2014	8	180	OK
MW-11	SILVER	9/8/2014	9/16/2014	8	180	OK
MW-11	SODIUM	9/8/2014	9/26/2014	18	180	OK
MW-11	SULFATE	9/8/2014	9/12/2014	4	28	OK
MW-11	TETRAHYDROFURAN	9/8/2014	9/15/2014	7	14	OK
MW-11	THALLIUM	9/8/2014	9/16/2014	8	180	OK
MW-11	TIN	9/8/2014	9/26/2014	18	180	OK
MW-11	TOLUENE	9/8/2014	9/15/2014	7	14	OK
MW-11	TOTAL DISSOLVED SOLIDS	9/8/2014	9/15/2014	7	7	OK
MW-11	URANIUM	9/8/2014	9/16/2014	8	180	OK
MW-11	VANADIUM	9/8/2014	9/16/2014	8	180	OK
MW-11	XYLENES, TOTAL	9/8/2014	9/15/2014	7	14	OK
MW-11	ZINC	9/8/2014	9/26/2014	18	180	OK
MW-14	2-BUTANONE	9/2/2014	9/10/2014	8	14	OK
MW-14	ACETONE	9/2/2014	9/10/2014	8	14	OK
MW-14	ALKALINITY, BICARBONATE (AS CACO3)	9/2/2014	9/15/2014	13	28	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-14	ALKALINITY, CARBONATE (AS CACO3)	9/2/2014	9/15/2014	13	14	OK
MW-14	AMMONIA AS N	9/2/2014	9/11/2014	9	28	OK
MW-14	ARSENIC	9/2/2014	9/8/2014	6	180	OK
MW-14	BENZENE	9/2/2014	9/10/2014	8	14	OK
MW-14	BERYLLIUM	9/2/2014	9/9/2014	7	180	OK
MW-14	CADMIUM	9/2/2014	9/8/2014	6	180	OK
MW-14	CALCIUM	9/2/2014	9/11/2014	9	180	OK
MW-14	CARBON TETRACHLORIDE	9/2/2014	9/10/2014	8	14	OK
MW-14	CHLORIDE	9/2/2014	9/5/2014	3	28	OK
MW-14	CHLOROFORM	9/2/2014	9/10/2014	8	14	OK
MW-14	CHLOROMETHANE	9/2/2014	9/10/2014	8	14	OK
MW-14	CHROMIUM	9/2/2014	9/8/2014	6	180	OK
MW-14	COBALT	9/2/2014	9/8/2014	6	180	OK
MW-14	COPPER	9/2/2014	9/8/2014	6	180	OK
MW-14	FLUORIDE	9/2/2014	9/5/2014	3	27	OK
MW-14	Gross Radium Alpha	9/2/2014	9/24/2014	22	180	OK
MW-14	IRON	9/2/2014	9/11/2014	9	180	OK
MW-14	LEAD	9/2/2014	9/8/2014	6	180	OK
MW-14	MAGNESIUM	9/2/2014	9/11/2014	9	180	OK
MW-14	MANGANESE	9/2/2014	9/11/2014	9	180	OK
MW-14	MERCURY	9/2/2014	9/9/2014	7	180	OK
MW-14	METHYLENE CHLORIDE	9/2/2014	9/10/2014	8	14	OK
MW-14	MOLYBDENUM	9/2/2014	9/8/2014	6	180	OK
MW-14	NAPHTHALENE	9/2/2014	9/10/2014	8	14	OK
MW-14	NICKEL	9/2/2014	9/8/2014	6	180	OK
MW-14	NITRATE + NITRITE AS N	9/2/2014	9/17/2014	15	28	OK
MW-14	POTASSIUM	9/2/2014	9/11/2014	9	180	OK
MW-14	SELENIUM	9/2/2014	9/8/2014	6	180	OK
MW-14	SILVER	9/2/2014	9/8/2014	6	180	OK
MW-14	SODIUM	9/2/2014	9/11/2014	9	180	OK
MW-14	SULFATE	9/2/2014	9/5/2014	3	28	OK
MW-14	TETRAHYDROFURAN	9/2/2014	9/10/2014	8	14	OK
MW-14	THALLIUM	9/2/2014	9/8/2014	6	180	OK
MW-14	TIN	9/2/2014	9/11/2014	9	180	OK
MW-14	TOLUENE	9/2/2014	9/10/2014	8	14	OK
MW-14	TOTAL DISSOLVED SOLIDS	9/2/2014	9/5/2014	3	7	OK
MW-14	URANIUM	9/2/2014	9/8/2014	6	180	OK
MW-14	VANADIUM	9/2/2014	9/8/2014	6	180	OK
MW-14	XYLENES, TOTAL	9/2/2014	9/10/2014	8	14	OK
MW-14	ZINC	9/2/2014	9/11/2014	9	180	OK
MW-15	SELENIUM	9/2/2014	9/8/2014	6	180	OK
MW-18	SULFATE	9/9/2014	9/12/2014	3	28	OK
MW-18	THALLIUM	9/9/2014	9/16/2014	7	180	OK
MW-18	TOTAL DISSOLVED SOLIDS	9/9/2014	9/15/2014	6	7	OK
MW-19	Gross Radium Alpha	9/11/2014	10/8/2014	27	180	OK
MW-19	NITRATE + NITRITE AS N	9/11/2014	9/25/2014	14	28	OK
MW-24	CADMIUM	9/17/2014	9/29/2014	12	180	OK
MW-24	FLUORIDE	9/17/2014	9/19/2014	2	27	OK
MW-24	THALLIUM	9/17/2014	9/29/2014	12	180	OK
MW-25	2-BUTANONE	9/3/2014	9/10/2014	7	14	OK
MW-25	ACETONE	9/3/2014	9/10/2014	7	14	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-25	ALKALINITY, BICARBONATE (AS CACO3)	9/3/2014	9/15/2014	12	28	OK
MW-25	ALKALINITY, CARBONATE (AS CACO3)	9/3/2014	9/15/2014	12	14	OK
MW-25	AMMONIA AS N	9/3/2014	9/11/2014	8	28	OK
MW-25	ARSENIC	9/3/2014	9/8/2014	5	180	OK
MW-25	BENZENE	9/3/2014	9/10/2014	7	14	OK
MW-25	BERYLLIUM	9/3/2014	9/9/2014	6	180	OK
MW-25	CADMIUM	9/3/2014	9/8/2014	5	180	OK
MW-25	CALCIUM	9/3/2014	9/11/2014	8	180	OK
MW-25	CARBON TETRACHLORIDE	9/3/2014	9/10/2014	7	14	OK
MW-25	CHLORIDE	9/3/2014	9/5/2014	2	28	OK
MW-25	CHLOROFORM	9/3/2014	9/10/2014	7	14	OK
MW-25	CHLOROMETHANE	9/3/2014	9/10/2014	7	14	OK
MW-25	CHROMIUM	9/3/2014	9/8/2014	5	180	OK
MW-25	COBALT	9/3/2014	9/8/2014	5	180	OK
MW-25	COPPER	9/3/2014	9/8/2014	5	180	OK
MW-25	FLUORIDE	9/3/2014	9/5/2014	2	27	OK
MW-25	Gross Radium Alpha	9/3/2014	9/24/2014	21	180	OK
MW-25	IRON	9/3/2014	9/11/2014	8	180	OK
MW-25	LEAD	9/3/2014	9/8/2014	5	180	OK
MW-25	MAGNESIUM	9/3/2014	9/11/2014	8	180	OK
MW-25	MANGANESE	9/3/2014	9/11/2014	8	180	OK
MW-25	MERCURY	9/3/2014	9/9/2014	6	180	OK
MW-25	METHYLENE CHLORIDE	9/3/2014	9/10/2014	7	14	OK
MW-25	MOLYBDENUM	9/3/2014	9/8/2014	5	180	OK
MW-25	NAPHTHALENE	9/3/2014	9/10/2014	7	14	OK
MW-25	NICKEL	9/3/2014	9/8/2014	5	180	OK
MW-25	NITRATE + NITRITE AS N	9/3/2014	9/17/2014	14	28	OK
MW-25	POTASSIUM	9/3/2014	9/11/2014	8	180	OK
MW-25	SELENIUM	9/3/2014	9/8/2014	5	180	OK
MW-25	SILVER	9/3/2014	9/8/2014	5	180	OK
MW-25	SODIUM	9/3/2014	9/11/2014	8	180	OK
MW-25	SULFATE	9/3/2014	9/5/2014	2	28	OK
MW-25	TETRAHYDROFURAN	9/3/2014	9/10/2014	7	14	OK
MW-25	THALLIUM	9/3/2014	9/8/2014	5	180	OK
MW-25	TIN	9/3/2014	9/11/2014	8	180	OK
MW-25	TOLUENE	9/3/2014	9/10/2014	7	14	OK
MW-25	TOTAL DISSOLVED SOLIDS	9/3/2014	9/5/2014	2	7	OK
MW-25	URANIUM	9/3/2014	9/8/2014	5	180	OK
MW-25	VANADIUM	9/3/2014	9/8/2014	5	180	OK
MW-25	XYLENES, TOTAL	9/3/2014	9/10/2014	7	14	OK
MW-25	ZINC	9/3/2014	9/11/2014	8	180	OK
MW-26	2-BUTANONE	9/4/2014	9/10/2014	6	14	OK
MW-26	ACETONE	9/4/2014	9/10/2014	6	14	OK
MW-26	ALKALINITY, BICARBONATE (AS CACO3)	9/4/2014	9/15/2014	11	28	OK
MW-26	ALKALINITY, CARBONATE (AS CACO3)	9/4/2014	9/15/2014	11	14	OK
MW-26	AMMONIA AS N	9/4/2014	9/11/2014	7	28	OK
MW-26	ARSENIC	9/4/2014	9/8/2014	4	180	OK
MW-26	BENZENE	9/4/2014	9/10/2014	6	14	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-26	BERYLLIUM	9/4/2014	9/9/2014	5	180	OK
MW-26	CADMIUM	9/4/2014	9/8/2014	4	180	OK
MW-26	CALCIUM	9/4/2014	9/11/2014	7	180	OK
MW-26	CARBON TETRACHLORIDE	9/4/2014	9/10/2014	6	14	OK
MW-26	CHLORIDE	9/4/2014	9/5/2014	1	28	OK
MW-26	CHLOROFORM	9/4/2014	9/10/2014	6	14	OK
MW-26	CHLOROMETHANE	9/4/2014	9/10/2014	6	14	OK
MW-26	CHROMIUM	9/4/2014	9/8/2014	4	180	OK
MW-26	COBALT	9/4/2014	9/8/2014	4	180	OK
MW-26	COPPER	9/4/2014	9/8/2014	4	180	OK
MW-26	FLUORIDE	9/4/2014	9/5/2014	1	27	OK
MW-26	Gross Radium Alpha	9/4/2014	9/23/2014	19	180	OK
MW-26	IRON	9/4/2014	9/11/2014	7	180	OK
MW-26	LEAD	9/4/2014	9/8/2014	4	180	OK
MW-26	MAGNESIUM	9/4/2014	9/11/2014	7	180	OK
MW-26	MANGANESE	9/4/2014	9/11/2014	7	180	OK
MW-26	MERCURY	9/4/2014	9/9/2014	5	180	OK
MW-26	METHYLENE CHLORIDE	9/4/2014	9/10/2014	6	14	OK
MW-26	MOLYBDENUM	9/4/2014	9/8/2014	4	180	OK
MW-26	NAPHTHALENE	9/4/2014	9/10/2014	6	14	OK
MW-26	NICKEL	9/4/2014	9/8/2014	4	180	OK
MW-26	NITRATE + NITRITE AS N	9/4/2014	9/17/2014	13	28	OK
MW-26	POTASSIUM	9/4/2014	9/11/2014	7	180	OK
MW-26	SELENIUM	9/4/2014	9/8/2014	4	180	OK
MW-26	SILVER	9/4/2014	9/8/2014	4	180	OK
MW-26	SODIUM	9/4/2014	9/11/2014	7	180	OK
MW-26	SULFATE	9/4/2014	9/5/2014	1	28	OK
MW-26	TETRAHYDROFURAN	9/4/2014	9/10/2014	6	14	OK
MW-26	THALLIUM	9/4/2014	9/8/2014	4	180	OK
MW-26	TIN	9/4/2014	9/11/2014	7	180	OK
MW-26	TOLUENE	9/4/2014	9/10/2014	6	14	OK
MW-26	TOTAL DISSOLVED SOLIDS	9/4/2014	9/5/2014	1	7	OK
MW-26	URANIUM	9/4/2014	9/8/2014	4	180	OK
MW-26	VANADIUM	9/4/2014	9/8/2014	4	180	OK
MW-26	XYLENES, TOTAL	9/4/2014	9/10/2014	6	14	OK
MW-26	ZINC	9/4/2014	9/11/2014	7	180	OK
MW-27	CHLORIDE	9/8/2014	9/12/2014	4	28	OK
MW-27	Gross Radium Alpha	9/8/2014	10/7/2014	29	180	OK
MW-27	NITRATE + NITRITE AS N	9/8/2014	9/25/2014	17	28	OK
MW-27	SULFATE	9/8/2014	9/12/2014	4	28	OK
MW-27	TOTAL DISSOLVED SOLIDS	9/8/2014	9/15/2014	7	7	OK
MW-28	CADMIUM	9/16/2014	9/29/2014	13	180	OK
MW-28	CHLORIDE	9/16/2014	9/19/2014	3	28	OK
MW-28	MANGANESE	9/16/2014	9/26/2014	10	180	OK
MW-28	URANIUM	9/16/2014	9/29/2014	13	180	OK
MW-28	VANADIUM	9/16/2014	9/29/2014	13	180	OK
MW-29	MANGANESE	9/10/2014	9/26/2014	16	180	OK
MW-29	TOTAL DISSOLVED SOLIDS	9/10/2014	9/15/2014	5	7	OK
MW-30	2-BUTANONE	9/9/2014	9/15/2014	6	14	OK
MW-30	ACETONE	9/9/2014	9/15/2014	6	14	OK
MW-30	ALKALINITY, BICARBONATE (AS CACO3)	9/9/2014	9/19/2014	10	28	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-30	ALKALINITY, CARBONATE (AS CACO3)	9/9/2014	9/19/2014	10	14	OK
MW-30	AMMONIA AS N	9/9/2014	9/14/2014	5	28	OK
MW-30	ARSENIC	9/9/2014	9/16/2014	7	180	OK
MW-30	BENZENE	9/9/2014	9/15/2014	6	14	OK
MW-30	BERYLLIUM	9/9/2014	9/16/2014	7	180	OK
MW-30	CADMIUM	9/9/2014	9/16/2014	7	180	OK
MW-30	CALCIUM	9/9/2014	9/26/2014	17	180	OK
MW-30	CARBON TETRACHLORIDE	9/9/2014	9/15/2014	6	14	OK
MW-30	CHLORIDE	9/9/2014	9/12/2014	3	28	OK
MW-30	CHLOROFORM	9/9/2014	9/15/2014	6	14	OK
MW-30	CHLOROMETHANE	9/9/2014	9/15/2014	6	14	OK
MW-30	CHROMIUM	9/9/2014	9/16/2014	7	180	OK
MW-30	COBALT	9/9/2014	9/16/2014	7	180	OK
MW-30	COPPER	9/9/2014	9/16/2014	7	180	OK
MW-30	FLUORIDE	9/9/2014	9/12/2014	3	27	OK
MW-30	Gross Radium Alpha	9/9/2014	10/8/2014	29	180	OK
MW-30	IRON	9/9/2014	9/26/2014	17	180	OK
MW-30	LEAD	9/9/2014	9/16/2014	7	180	OK
MW-30	MAGNESIUM	9/9/2014	9/26/2014	17	180	OK
MW-30	MANGANESE	9/9/2014	9/26/2014	17	180	OK
MW-30	MERCURY	9/9/2014	9/16/2014	7	180	OK
MW-30	METHYLENE CHLORIDE	9/9/2014	9/15/2014	6	14	OK
MW-30	MOLYBDENUM	9/9/2014	9/16/2014	7	180	OK
MW-30	NAPHTHALENE	9/9/2014	9/15/2014	6	14	OK
MW-30	NICKEL	9/9/2014	9/16/2014	7	180	OK
MW-30	NITRATE + NITRITE AS N	9/9/2014	9/25/2014	16	28	OK
MW-30	POTASSIUM	9/9/2014	9/26/2014	17	180	OK
MW-30	SELENIUM	9/9/2014	9/16/2014	7	180	OK
MW-30	SILVER	9/9/2014	9/16/2014	7	180	OK
MW-30	SODIUM	9/9/2014	9/26/2014	17	180	OK
MW-30	SULFATE	9/9/2014	9/12/2014	3	28	OK
MW-30	TETRAHYDROFURAN	9/9/2014	9/15/2014	6	14	OK
MW-30	THALLIUM	9/9/2014	9/16/2014	7	180	OK
MW-30	TIN	9/9/2014	9/26/2014	17	180	OK
MW-30	TOLUENE	9/9/2014	9/15/2014	6	14	OK
MW-30	TOTAL DISSOLVED SOLIDS	9/9/2014	9/15/2014	6	7	OK
MW-30	URANIUM	9/9/2014	9/16/2014	7	180	OK
MW-30	VANADIUM	9/9/2014	9/16/2014	7	180	OK
MW-30	XYLENES, TOTAL	9/9/2014	9/15/2014	6	14	OK
MW-30	ZINC	9/9/2014	9/26/2014	17	180	OK
MW-31	2-BUTANONE	9/3/2014	9/10/2014	7	14	OK
MW-31	ACETONE	9/3/2014	9/10/2014	7	14	OK
MW-31	ALKALINITY, BICARBONATE (AS CACO3)	9/3/2014	9/15/2014	12	28	OK
MW-31	ALKALINITY, CARBONATE (AS CACO3)	9/3/2014	9/15/2014	12	14	OK
MW-31	AMMONIA AS N	9/3/2014	9/11/2014	8	28	OK
MW-31	ARSENIC	9/3/2014	9/8/2014	5	180	OK
MW-31	BENZENE	9/3/2014	9/10/2014	7	14	OK
MW-31	BERYLLIUM	9/3/2014	9/9/2014	6	180	OK
MW-31	CADMIUM	9/3/2014	9/8/2014	5	180	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-31	CALCIUM	9/3/2014	9/11/2014	8	180	OK
MW-31	CARBON TETRACHLORIDE	9/3/2014	9/10/2014	7	14	OK
MW-31	CHLORIDE	9/3/2014	9/5/2014	2	28	OK
MW-31	CHLOROFORM	9/3/2014	9/10/2014	7	14	OK
MW-31	CHLOROMETHANE	9/3/2014	9/10/2014	7	14	OK
MW-31	CHROMIUM	9/3/2014	9/8/2014	5	180	OK
MW-31	COBALT	9/3/2014	9/8/2014	5	180	OK
MW-31	COPPER	9/3/2014	9/8/2014	5	180	OK
MW-31	FLUORIDE	9/3/2014	9/5/2014	2	27	OK
MW-31	Gross Radium Alpha	9/3/2014	9/23/2014	20	180	OK
MW-31	IRON	9/3/2014	9/11/2014	8	180	OK
MW-31	LEAD	9/3/2014	9/8/2014	5	180	OK
MW-31	MAGNESIUM	9/3/2014	9/11/2014	8	180	OK
MW-31	MANGANESE	9/3/2014	9/11/2014	8	180	OK
MW-31	MERCURY	9/3/2014	9/9/2014	6	180	OK
MW-31	METHYLENE CHLORIDE	9/3/2014	9/10/2014	7	14	OK
MW-31	MOLYBDENUM	9/3/2014	9/8/2014	5	180	OK
MW-31	NAPHTHALENE	9/3/2014	9/10/2014	7	14	OK
MW-31	NICKEL	9/3/2014	9/8/2014	5	180	OK
MW-31	NITRATE + NITRITE AS N	9/3/2014	9/17/2014	14	28	OK
MW-31	POTASSIUM	9/3/2014	9/11/2014	8	180	OK
MW-31	SELENIUM	9/3/2014	9/8/2014	5	180	OK
MW-31	SILVER	9/3/2014	9/8/2014	5	180	OK
MW-31	SODIUM	9/3/2014	9/11/2014	8	180	OK
MW-31	SULFATE	9/3/2014	9/5/2014	2	28	OK
MW-31	TETRAHYDROFURAN	9/3/2014	9/10/2014	7	14	OK
MW-31	THALLIUM	9/3/2014	9/8/2014	5	180	OK
MW-31	TIN	9/3/2014	9/11/2014	8	180	OK
MW-31	TOLUENE	9/3/2014	9/10/2014	7	14	OK
MW-31	TOTAL DISSOLVED SOLIDS	9/3/2014	9/5/2014	2	7	OK
MW-31	URANIUM	9/3/2014	9/8/2014	5	180	OK
MW-31	VANADIUM	9/3/2014	9/8/2014	5	180	OK
MW-31	XYLENES, TOTAL	9/3/2014	9/10/2014	7	14	OK
MW-32	Gross Radium Alpha	9/2/2014	9/23/2014	21	180	OK
MW-35	2-BUTANONE	9/3/2014	9/10/2014	7	14	OK
MW-35	ACETONE	9/3/2014	9/10/2014	7	14	OK
MW-35	ALKALINITY, BICARBONATE (AS CACO3)	9/3/2014	9/15/2014	12	28	OK
MW-35	ALKALINITY, CARBONATE (AS CACO3)	9/3/2014	9/15/2014	12	14	OK
MW-35	AMMONIA AS N	9/3/2014	9/11/2014	8	28	OK
MW-35	ARSENIC	9/3/2014	9/8/2014	5	180	OK
MW-35	BENZENE	9/3/2014	9/10/2014	7	14	OK
MW-35	BERYLLIUM	9/3/2014	9/9/2014	6	180	OK
MW-35	CADMIUM	9/3/2014	9/8/2014	5	180	OK
MW-35	CALCIUM	9/3/2014	9/11/2014	8	180	OK
MW-35	CARBON TETRACHLORIDE	9/3/2014	9/10/2014	7	14	OK
MW-35	CHLORIDE	9/3/2014	9/5/2014	2	28	OK
MW-35	CHLOROFORM	9/3/2014	9/10/2014	7	14	OK
MW-35	CHLOROMETHANE	9/3/2014	9/10/2014	7	14	OK
MW-35	CHROMIUM	9/3/2014	9/8/2014	5	180	OK
MW-35	COBALT	9/3/2014	9/8/2014	5	180	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-35	COPPER	9/3/2014	9/8/2014	5	180	OK
MW-35	FLUORIDE	9/3/2014	9/5/2014	2	27	OK
MW-35	Gross Radium Alpha	9/3/2014	9/23/2014	20	180	OK
MW-35	IRON	9/3/2014	9/11/2014	8	180	OK
MW-35	LEAD	9/3/2014	9/8/2014	5	180	OK
MW-35	MAGNESIUM	9/3/2014	9/11/2014	8	180	OK
MW-35	MANGANESE	9/3/2014	9/11/2014	8	180	OK
MW-35	MERCURY	9/3/2014	9/9/2014	6	180	OK
MW-35	METHYLENE CHLORIDE	9/3/2014	9/10/2014	7	14	OK
MW-35	MOLYBDENUM	9/3/2014	9/8/2014	5	180	OK
MW-35	NAPHTHALENE	9/3/2014	9/10/2014	7	14	OK
MW-35	NICKEL	9/3/2014	9/8/2014	5	180	OK
MW-35	NITRATE + NITRITE AS N	9/3/2014	9/17/2014	14	28	OK
MW-35	POTASSIUM	9/3/2014	9/11/2014	8	180	OK
MW-35	SELENIUM	9/3/2014	9/8/2014	5	180	OK
MW-35	SILVER	9/3/2014	9/8/2014	5	180	OK
MW-35	SODIUM	9/3/2014	9/11/2014	8	180	OK
MW-35	SULFATE	9/3/2014	9/5/2014	2	28	OK
MW-35	TETRAHYDROFURAN	9/3/2014	9/10/2014	7	14	OK
MW-35	THALLIUM	9/3/2014	9/8/2014	5	180	OK
MW-35	TIN	9/3/2014	9/11/2014	8	180	OK
MW-35	TOLUENE	9/3/2014	9/10/2014	7	14	OK
MW-35	TOTAL DISSOLVED SOLIDS	9/3/2014	9/5/2014	2	7	OK
MW-35	URANIUM	9/3/2014	9/8/2014	5	180	OK
MW-35	VANADIUM	9/3/2014	9/8/2014	5	180	OK
MW-35	XYLENES, TOTAL	9/3/2014	9/10/2014	7	14	OK
MW-35	ZINC	9/3/2014	9/11/2014	8	180	OK
MW-36	2-BUTANONE	9/3/2014	9/10/2014	7	14	OK
MW-36	ACETONE	9/3/2014	9/10/2014	7	14	OK
MW-36	ALKALINITY, BICARBONATE (AS CACO3)	9/3/2014	9/15/2014	12	28	OK
MW-36	ALKALINITY, CARBONATE (AS CACO3)	9/3/2014	9/15/2014	12	14	OK
MW-36	AMMONIA AS N	9/3/2014	9/11/2014	8	28	OK
MW-36	ARSENIC	9/3/2014	9/8/2014	5	180	OK
MW-36	BENZENE	9/3/2014	9/10/2014	7	14	OK
MW-36	BERYLLIUM	9/3/2014	9/9/2014	6	180	OK
MW-36	CADMIUM	9/3/2014	9/8/2014	5	180	OK
MW-36	CALCIUM	9/3/2014	9/11/2014	8	180	OK
MW-36	CARBON TETRACHLORIDE	9/3/2014	9/10/2014	7	14	OK
MW-36	CHLORIDE	9/3/2014	9/5/2014	2	28	OK
MW-36	CHLOROFORM	9/3/2014	9/10/2014	7	14	OK
MW-36	CHLOROMETHANE	9/3/2014	9/10/2014	7	14	OK
MW-36	CHROMIUM	9/3/2014	9/8/2014	5	180	OK
MW-36	COBALT	9/3/2014	9/8/2014	5	180	OK
MW-36	COPPER	9/3/2014	9/8/2014	5	180	OK
MW-36	FLUORIDE	9/3/2014	9/5/2014	2	27	OK
MW-36	Gross Radium Alpha	9/3/2014	9/24/2014	21	180	OK
MW-36	IRON	9/3/2014	9/11/2014	8	180	OK
MW-36	LEAD	9/3/2014	9/8/2014	5	180	OK
MW-36	MAGNESIUM	9/3/2014	9/11/2014	8	180	OK
MW-36	MANGANESE	9/3/2014	9/11/2014	8	180	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-36	MERCURY	9/3/2014	9/9/2014	6	180	OK
MW-36	METHYLENE CHLORIDE	9/3/2014	9/10/2014	7	14	OK
MW-36	MOLYBDENUM	9/3/2014	9/8/2014	5	180	OK
MW-36	NAPHTHALENE	9/3/2014	9/10/2014	7	14	OK
MW-36	NICKEL	9/3/2014	9/8/2014	5	180	OK
MW-36	NITRATE + NITRITE AS N	9/3/2014	9/17/2014	14	28	OK
MW-36	POTASSIUM	9/3/2014	9/11/2014	8	180	OK
MW-36	SELENIUM	9/3/2014	9/8/2014	5	180	OK
MW-36	SILVER	9/3/2014	9/8/2014	5	180	OK
MW-36	SODIUM	9/3/2014	9/11/2014	8	180	OK
MW-36	SULFATE	9/3/2014	9/5/2014	2	28	OK
MW-36	TETRAHYDROFURAN	9/3/2014	9/10/2014	7	14	OK
MW-36	THALLIUM	9/3/2014	9/8/2014	5	180	OK
MW-36	TIN	9/3/2014	9/11/2014	8	180	OK
MW-36	TOLUENE	9/3/2014	9/10/2014	7	14	OK
MW-36	TOTAL DISSOLVED SOLIDS	9/3/2014	9/5/2014	2	7	OK
MW-36	URANIUM	9/3/2014	9/8/2014	5	180	OK
MW-36	VANADIUM	9/3/2014	9/8/2014	5	180	OK
MW-36	XYLENES, TOTAL	9/3/2014	9/10/2014	7	14	OK
MW-36	ZINC	9/3/2014	9/11/2014	8	180	OK
MW-37	2-BUTANONE	9/17/2014	9/19/2014	2	14	OK
MW-37	ACETONE	9/17/2014	9/19/2014	2	14	OK
MW-37	ALKALINITY, BICARBONATE (AS CACO3)	9/17/2014	10/1/2014	14	28	OK
MW-37	ALKALINITY, CARBONATE (AS CACO3)	9/17/2014	10/1/2014	14	14	OK
MW-37	AMMONIA AS N	9/17/2014	9/22/2014	5	28	OK
MW-37	ARSENIC	9/17/2014	9/29/2014	12	180	OK
MW-37	BENZENE	9/17/2014	9/19/2014	2	14	OK
MW-37	BERYLLIUM	9/17/2014	9/29/2014	12	180	OK
MW-37	CADMIUM	9/17/2014	9/29/2014	12	180	OK
MW-37	CALCIUM	9/17/2014	9/26/2014	9	180	OK
MW-37	CARBON TETRACHLORIDE	9/17/2014	9/19/2014	2	14	OK
MW-37	CHLORIDE	9/17/2014	9/19/2014	2	28	OK
MW-37	CHLOROFORM	9/17/2014	9/19/2014	2	14	OK
MW-37	CHLOROMETHANE	9/17/2014	9/19/2014	2	14	OK
MW-37	CHROMIUM	9/17/2014	9/29/2014	12	180	OK
MW-37	COBALT	9/17/2014	9/29/2014	12	180	OK
MW-37	COPPER	9/17/2014	9/29/2014	12	180	OK
MW-37	FLUORIDE	9/17/2014	9/19/2014	2	27	OK
MW-37	Gross Radium Alpha	9/17/2014	10/8/2014	21	180	OK
MW-37	IRON	9/17/2014	9/26/2014	9	180	OK
MW-37	LEAD	9/17/2014	9/29/2014	12	180	OK
MW-37	MAGNESIUM	9/17/2014	9/26/2014	9	180	OK
MW-37	MANGANESE	9/17/2014	9/26/2014	9	180	OK
MW-37	MERCURY	9/17/2014	9/24/2014	7	180	OK
MW-37	METHYLENE CHLORIDE	9/17/2014	9/19/2014	2	14	OK
MW-37	MOLYBDENUM	9/17/2014	9/30/2014	13	180	OK
MW-37	NAPHTHALENE	9/17/2014	9/19/2014	2	14	OK
MW-37	NICKEL	9/17/2014	9/29/2014	12	180	OK
MW-37	NITRATE + NITRITE AS N	9/17/2014	9/26/2014	9	28	OK
MW-37	POTASSIUM	9/17/2014	9/26/2014	9	180	OK
MW-37	SELENIUM	9/17/2014	9/30/2014	13	180	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-37	SILVER	9/17/2014	9/29/2014	12	180	OK
MW-37	SULFATE	9/17/2014	9/19/2014	2	28	OK
MW-37	TETRAHYDROFURAN	9/17/2014	9/19/2014	2	14	OK
MW-37	THALLIUM	9/17/2014	9/29/2014	12	180	OK
MW-37	TIN	9/17/2014	9/26/2014	9	180	OK
MW-37	TOLUENE	9/17/2014	9/19/2014	2	14	OK
MW-37	TOTAL DISSOLVED SOLIDS	9/17/2014	9/22/2014	5	7	OK
MW-37	URANIUM	9/17/2014	9/29/2014	12	180	OK
MW-37	VANADIUM	9/17/2014	9/29/2014	12	180	OK
MW-37	XYLENES, TOTAL	9/17/2014	9/19/2014	2	14	OK
MW-37	ZINC	9/17/2014	9/26/2014	9	180	OK
MW-65	2-BUTANONE	9/9/2014	9/15/2014	6	14	OK
MW-65	ACETONE	9/9/2014	9/15/2014	6	14	OK
MW-65	ALKALINITY, BICARBONATE (AS CACO3)	9/9/2014	9/19/2014	10	28	OK
MW-65	ALKALINITY, CARBONATE (AS CACO3)	9/9/2014	9/19/2014	10	14	OK
MW-65	AMMONIA AS N	9/9/2014	9/14/2014	5	28	OK
MW-65	ARSENIC	9/9/2014	9/16/2014	7	180	OK
MW-65	BENZENE	9/9/2014	9/15/2014	6	14	OK
MW-65	BERYLLIUM	9/9/2014	9/16/2014	7	180	OK
MW-65	CADMIUM	9/9/2014	9/16/2014	7	180	OK
MW-65	CALCIUM	9/9/2014	9/26/2014	17	180	OK
MW-65	CARBON TETRACHLORIDE	9/9/2014	9/15/2014	6	14	OK
MW-65	CHLORIDE	9/9/2014	9/12/2014	3	28	OK
MW-65	CHLOROFORM	9/9/2014	9/15/2014	6	14	OK
MW-65	CHLOROMETHANE	9/9/2014	9/15/2014	6	14	OK
MW-65	CHROMIUM	9/9/2014	9/16/2014	7	180	OK
MW-65	COBALT	9/9/2014	9/16/2014	7	180	OK
MW-65	COPPER	9/9/2014	9/16/2014	7	180	OK
MW-65	FLUORIDE	9/9/2014	9/12/2014	3	27	OK
MW-65	Gross Radium Alpha	9/9/2014	10/8/2014	29	180	OK
MW-65	IRON	9/9/2014	9/26/2014	17	180	OK
MW-65	LEAD	9/9/2014	9/16/2014	7	180	OK
MW-65	MAGNESIUM	9/9/2014	9/26/2014	17	180	OK
MW-65	MANGANESE	9/9/2014	9/26/2014	17	180	OK
MW-65	MERCURY	9/9/2014	9/16/2014	7	180	OK
MW-65	METHYLENE CHLORIDE	9/9/2014	9/15/2014	6	14	OK
MW-65	MOLYBDENUM	9/9/2014	9/16/2014	7	180	OK
MW-65	NAPHTHALENE	9/9/2014	9/15/2014	6	14	OK
MW-65	NICKEL	9/9/2014	9/16/2014	7	180	OK
MW-65	NITRATE + NITRITE AS N	9/9/2014	9/25/2014	16	28	OK
MW-65	POTASSIUM	9/9/2014	9/26/2014	17	180	OK
MW-65	SELENIUM	9/9/2014	9/16/2014	7	180	OK
MW-65	SILVER	9/9/2014	9/16/2014	7	180	OK
MW-65	SODIUM	9/9/2014	9/26/2014	17	180	OK
MW-65	SULFATE	9/9/2014	9/12/2014	3	28	OK
MW-65	TETRAHYDROFURAN	9/9/2014	9/15/2014	6	14	OK
MW-65	THALLIUM	9/9/2014	9/16/2014	7	180	OK
MW-65	TIN	9/9/2014	9/26/2014	17	180	OK
MW-65	TOLUENE	9/9/2014	9/15/2014	6	14	OK
MW-65	TOTAL DISSOLVED SOLIDS	9/9/2014	9/15/2014	6	7	OK

G-2A: Quarterly Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-65	URANIUM	9/9/2014	9/16/2014	7	180	OK
MW-65	VANADIUM	9/9/2014	9/16/2014	7	180	OK
MW-65	XYLENES, TOTAL	9/9/2014	9/15/2014	6	14	OK
MW-65	ZINC	9/9/2014	9/26/2014	17	180	OK
MW-70	2-BUTANONE	9/17/2014	9/19/2014	2	14	OK
MW-70	ACETONE	9/17/2014	9/19/2014	2	14	OK
MW-70	ALKALINITY, BICARBONATE (AS CACO3)	9/17/2014	10/1/2014	14	28	OK
MW-70	ALKALINITY, CARBONATE (AS CACO3)	9/17/2014	10/1/2014	14	14	OK
MW-70	AMMONIA AS N	9/17/2014	9/22/2014	5	28	OK
MW-70	ARSENIC	9/17/2014	9/29/2014	12	180	OK
MW-70	BENZENE	9/17/2014	9/19/2014	2	14	OK
MW-70	BERYLLIUM	9/17/2014	9/29/2014	12	180	OK
MW-70	CADMIUM	9/17/2014	9/29/2014	12	180	OK
MW-70	CALCIUM	9/17/2014	9/26/2014	9	180	OK
MW-70	CARBON TETRACHLORIDE	9/17/2014	9/19/2014	2	14	OK
MW-70	CHLORIDE	9/17/2014	9/19/2014	2	28	OK
MW-70	CHLOROFORM	9/17/2014	9/19/2014	2	14	OK
MW-70	CHLOROMETHANE	9/17/2014	9/19/2014	2	14	OK
MW-70	CHROMIUM	9/17/2014	9/29/2014	12	180	OK
MW-70	COBALT	9/17/2014	9/29/2014	12	180	OK
MW-70	COPPER	9/17/2014	9/29/2014	12	180	OK
MW-70	FLUORIDE	9/17/2014	9/19/2014	2	27	OK
MW-70	Gross Radium Alpha	9/17/2014	10/8/2014	21	180	OK
MW-70	IRON	9/17/2014	9/26/2014	9	180	OK
MW-70	LEAD	9/17/2014	9/29/2014	12	180	OK
MW-70	MAGNESIUM	9/17/2014	9/26/2014	9	180	OK
MW-70	MANGANESE	9/17/2014	9/26/2014	9	180	OK
MW-70	MERCURY	9/17/2014	9/24/2014	7	180	OK
MW-70	METHYLENE CHLORIDE	9/17/2014	9/19/2014	2	14	OK
MW-70	MOLYBDENUM	9/17/2014	9/30/2014	13	180	OK
MW-70	NAPHTHALENE	9/17/2014	9/19/2014	2	14	OK
MW-70	NICKEL	9/17/2014	9/29/2014	12	180	OK
MW-70	NITRATE + NITRITE AS N	9/17/2014	9/26/2014	9	28	OK
MW-70	POTASSIUM	9/17/2014	9/26/2014	9	180	OK
MW-70	SELENIUM	9/17/2014	9/30/2014	13	180	OK
MW-70	SILVER	9/17/2014	9/29/2014	12	180	OK
MW-70	SODIUM	9/17/2014	9/26/2014	9	180	OK
MW-70	SULFATE	9/17/2014	9/19/2014	2	28	OK
MW-70	TETRAHYDROFURAN	9/17/2014	9/19/2014	2	14	OK
MW-70	THALLIUM	9/17/2014	9/29/2014	12	180	OK
MW-70	TIN	9/17/2014	9/26/2014	9	180	OK
MW-70	TOLUENE	9/17/2014	9/19/2014	2	14	OK
MW-70	TOTAL DISSOLVED SOLIDS	9/17/2014	9/22/2014	5	7	OK
MW-70	URANIUM	9/17/2014	9/29/2014	12	180	OK
MW-70	VANADIUM	9/17/2014	9/29/2014	12	180	OK
MW-70	XYLENES, TOTAL	9/17/2014	9/19/2014	2	14	OK
MW-70	ZINC	9/17/2014	9/26/2014	9	180	OK

G-2B: Accelerated Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
Trip Blank	CARBON TETRACHLORIDE	7/28/2014	7/30/2014	2	14	OK
Trip Blank	CHLOROFORM	7/28/2014	7/30/2014	2	14	OK
Trip Blank	METHYLENE CHLORIDE	7/28/2014	7/30/2014	2	14	OK
Trip Blank	TOLUENE	8/20/2014	8/27/2014	7	14	OK
Trip Blank	TETRAHYDROFURAN	8/20/2014	8/27/2014	7	14	OK
Trip Blank	XYLENES, TOTAL	8/20/2014	8/27/2014	7	14	OK
Trip Blank	CARBON TETRACHLORIDE	8/20/2014	8/27/2014	7	14	OK
Trip Blank	ACETONE	8/20/2014	8/27/2014	7	14	OK
Trip Blank	CHLOROFORM	8/20/2014	8/27/2014	7	14	OK
Trip Blank	BENZENE	8/20/2014	8/27/2014	7	14	OK
Trip Blank	CHLOROMETHANE	8/20/2014	8/27/2014	7	14	OK
Trip Blank	METHYLENE CHLORIDE	8/20/2014	8/27/2014	7	14	OK
Trip Blank	2-BUTANONE	8/20/2014	8/27/2014	7	14	OK
Trip Blank	NAPHTHALENE	8/20/2014	8/27/2014	7	14	OK
MW-11	MANGANESE	7/29/2014	8/5/2014	7	180	OK
MW-11	MANGANESE	8/20/2014	8/25/2014	5	180	OK
MW-25	URANIUM	7/28/2014	7/31/2014	3	180	OK
MW-25	CADMIUM	7/28/2014	7/31/2014	3	180	OK
MW-25	FLUORIDE	7/28/2014	7/30/2014	2	27	OK
MW-25	URANIUM	8/18/2014	8/28/2014	10	180	OK
MW-25	CADMIUM	8/18/2014	8/28/2014	10	180	OK
MW-25	FLUORIDE	8/18/2014	8/21/2014	3	27	OK
MW-26	NITRATE + NITRITE AS N	7/29/2014	8/8/2014	10	28	OK
MW-26	METHYLENE CHLORIDE	7/29/2014	7/30/2014	1	14	OK
MW-26	URANIUM	7/29/2014	7/31/2014	2	180	OK
MW-26	CHLOROFORM	7/29/2014	7/30/2014	1	14	OK
MW-26	CARBON TETRACHLORIDE	7/29/2014	7/30/2014	1	14	OK
MW-26	CHLORIDE	7/29/2014	7/30/2014	1	28	OK
MW-26	NITRATE + NITRITE AS N	8/20/2014	9/4/2014	15	28	OK
MW-26	NAPHTHALENE	8/20/2014	8/27/2014	7	14	OK
MW-26	2-BUTANONE	8/20/2014	8/27/2014	7	14	OK
MW-26	METHYLENE CHLORIDE	8/20/2014	8/27/2014	7	14	OK
MW-26	URANIUM	8/20/2014	8/28/2014	8	180	OK
MW-26	CHLOROMETHANE	8/20/2014	8/27/2014	7	14	OK
MW-26	BENZENE	8/20/2014	8/27/2014	7	14	OK
MW-26	CHLOROFORM	8/20/2014	8/27/2014	7	14	OK
MW-26	ACETONE	8/20/2014	8/27/2014	7	14	OK
MW-26	CARBON TETRACHLORIDE	8/20/2014	8/27/2014	7	14	OK
MW-26	CHLORIDE	8/20/2014	8/21/2014	1	28	OK
MW-26	XYLENES, TOTAL	8/20/2014	8/27/2014	7	14	OK
MW-26	TETRAHYDROFURAN	8/20/2014	8/27/2014	7	14	OK
MW-26	TOLUENE	8/20/2014	8/27/2014	7	14	OK
MW-30	CHLORIDE	7/29/2014	7/30/2014	1	28	OK
MW-30	URANIUM	7/29/2014	7/31/2014	2	180	OK
MW-30	SELENIUM	7/29/2014	7/31/2014	2	180	OK
MW-30	NITRATE + NITRITE AS N	7/29/2014	8/8/2014	10	28	OK
MW-30	CHLORIDE	8/20/2014	8/21/2014	1	28	OK
MW-30	URANIUM	8/20/2014	8/28/2014	8	180	OK
MW-30	SELENIUM	8/20/2014	8/28/2014	8	180	OK
MW-30	NITRATE + NITRITE AS N	8/20/2014	9/4/2014	15	28	OK
MW-31	SULFATE	7/28/2014	7/30/2014	2	28	OK
MW-31	CHLORIDE	7/28/2014	7/30/2014	2	28	OK
MW-31	SELENIUM	7/28/2014	7/31/2014	3	180	OK

G-2B: Accelerated Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
MW-31	NITRATE + NITRITE AS N	7/28/2014	8/8/2014	11	28	OK
MW-31	TOTAL DISSOLVED SOLIDS	7/28/2014	7/30/2014	2	7	OK
MW-31	SULFATE	8/18/2014	8/21/2014	3	28	OK
MW-31	CHLORIDE	8/18/2014	8/21/2014	3	28	OK
MW-31	SELENIUM	8/18/2014	8/28/2014	10	180	OK
MW-31	NITRATE + NITRITE AS N	8/18/2014	9/4/2014	17	28	OK
MW-31	TOTAL DISSOLVED SOLIDS	8/18/2014	8/21/2014	3	7	OK
MW-35	Gross Radium Alpha	7/29/2014	8/29/2014	31	180	OK
MW-35	SELENIUM	7/29/2014	7/31/2014	2	180	OK
MW-35	URANIUM	7/29/2014	7/31/2014	2	180	OK
MW-35	THALLIUM	7/29/2014	7/31/2014	2	180	OK
MW-35	MANGANESE	7/29/2014	8/5/2014	7	180	OK
MW-35	MANGANESE	8/20/2014	8/25/2014	5	180	OK
MW-35	THALLIUM	8/20/2014	8/28/2014	8	180	OK
MW-35	URANIUM	8/20/2014	8/28/2014	8	180	OK
MW-35	SELENIUM	8/20/2014	8/28/2014	8	180	OK
MW-35	Gross Radium Alpha	8/20/2014	9/18/2014	29	180	OK
MW-65	MANGANESE	7/29/2014	8/5/2014	7	180	OK
MW-65	THALLIUM	7/29/2014	7/31/2014	2	180	OK
MW-65	SELENIUM	7/29/2014	7/31/2014	2	180	OK
MW-65	Gross Radium Alpha	7/29/2014	8/29/2014	31	180	OK
MW-65	URANIUM	7/29/2014	7/31/2014	2	180	OK
MW-65	CHLORIDE	8/20/2014	8/21/2014	1	28	OK
MW-65	URANIUM	8/20/2014	8/28/2014	8	180	OK
MW-65	SELENIUM	8/20/2014	8/28/2014	8	180	OK
MW-65	NITRATE + NITRITE AS N	8/20/2014	9/4/2014	15	28	OK

G-3A: Quarterly Sample Laboratory Receipt Temperature Check

Sample Batch	Wells in Batch	Temperature
GEL 356308	MW-14, MW-25, MW-26, MW-31, MW-32, MW-35, MW-36	NA
GEL 356768	MW-11, MW-27, MW-30, MW-65	NA
GEL 357193	MW-19, MW-37, MW-70	NA
CTF 1409947 and CTF 1409961	MW-01, MW-11, MW-18, MW-27, MW-29, MW-30, MW-37, MW-65, Trip Blank	2.8 °C
CTF 1409584	MW-14, MW-15, MW-25, MW-26, MW-31, MW-35, MW-36, Trip Blank	1.8 °C
CTF 1410333	MW-03, MW-03A, MW-05, MW-19, MW-24, MW-28, MW-37, MW-70, Trip Blank	0.5 °C

N/A = These shipments contained samples for the analysis of gross alpha only. Per Table 1 in the approved QAP, samples submitted for gross alpha analyses do not have a sample temperature requirement.

G-3B: Accelerated Sample Laboratory Receipt Temperature Check

Sample Batch	Wells in Batch	Temperature
GEL 354110	MW-35, MW-65	NA
CTF 1407498	MW-11, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65, Trip Blank	5.8 °C
GEL 355401	MW-35	NA
CTF 1408803	MW-11, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65, Trip Blank	0.7 °C

N/A = These shipments contained samples for the analysis of gross alpha only. Per Table 1 in the approved QAP,samples submitted for gross alpha analyses do not have a sample temperature requirement.

G-4A: Quarterly Sample Analytical Method Check

Parameter	QAP Method	Method Used by Lab
Ammonia (as N)	A4500-NH3 G or E350.1	A4500-NH3 D
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	SW8260B
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: Accelerated Sample Analytical Method Check

Parameter	QAP Method	Method Used by Lab
Nitrate + Nitrite (as N)	E353.1 or E353.2	E353.2
Metals	E200.7 or E200.8	E200.7 or E200.8
Gross Alpha	E900.0 or E900.1	E900.1
VOCs	SW8260B or SW8260C	SW8260B
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 Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
Trip Blank	2-BUTANONE	20	ug/L	U	1	20	OK
Trip Blank	ACETONE	20	ug/L	U	1	20	OK
Trip Blank	BENZENE	1	ug/L	U	1	1	OK
Trip Blank	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
Trip Blank	CHLOROFORM	1	ug/L	U	1	1	OK
Trip Blank	CHLOROMETHANE	1	ug/L	U	1	1	OK
Trip Blank	METHYLENE CHLORIDE	1	ug/L	U	1	1	OK
Trip Blank	NAPHTHALENE	1	ug/L	U	1	1	OK
Trip Blank	TETRAHYDROFURAN	1	ug/L	U	1	1	OK
Trip Blank	TOLUENE	1	ug/L	U	1	1	OK
Trip Blank	XYLENES, TOTAL	1	ug/L	U	1	1	OK
Trip Blank	2-BUTANONE	20	ug/L	U	1	20	OK
Trip Blank	ACETONE	20	ug/L	U	1	20	OK
Trip Blank	BENZENE	1	ug/L	U	1	1	OK
Trip Blank	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
Trip Blank	CHLOROFORM	1	ug/L	U	1	1	OK
Trip Blank	CHLOROMETHANE	1	ug/L	U	1	1	OK
Trip Blank	METHYLENE CHLORIDE	1	ug/L	U	1	1	OK
Trip Blank	NAPHTHALENE	1	ug/L	U	1	1	OK
Trip Blank	TETRAHYDROFURAN	1	ug/L	U	1	1	OK
Trip Blank	TOLUENE	1	ug/L	U	1	1	OK
Trip Blank	XYLENES, TOTAL	1	ug/L	U	1	1	OK
Trip Blank	2-BUTANONE	20	ug/L	U	1	20	OK
Trip Blank	ACETONE	20	ug/L	U	1	20	OK
Trip Blank	BENZENE	1	ug/L	U	1	1	OK
Trip Blank	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
Trip Blank	CHLOROFORM	1	ug/L	U	1	1	OK
Trip Blank	CHLOROMETHANE	1	ug/L	U	1	1	OK
Trip Blank	METHYLENE CHLORIDE	1	ug/L	U	1	1	OK
Trip Blank	NAPHTHALENE	1	ug/L	U	1	1	OK
Trip Blank	TETRAHYDROFURAN	1	ug/L	U	1	1	OK
Trip Blank	TOLUENE	1	ug/L	U	1	1	OK
Trip Blank	XYLENES, TOTAL	1	ug/L	U	1	1	OK
MW-01	2-BUTANONE	20	ug/L	U	1	20	OK
MW-01	ACETONE	20	ug/L	U	1	20	OK
MW-01	BENZENE	1	ug/L	U	1	1	OK
MW-01	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
MW-01	CHLOROFORM	1	ug/L	U	1	1	OK
MW-01	CHLOROMETHANE	1	ug/L	U	1	1	OK
MW-01	MANGANESE	10	ug/L		1	10	OK
MW-01	METHYLENE CHLORIDE	1	ug/L	U	1	1	OK
MW-01	NAPHTHALENE	1	ug/L	U	1	1	OK
MW-01	SULFATE	10	mg/L		10	1	OK
MW-01	TETRAHYDROFURAN	1	ug/L	U	1	1	OK
MW-01	TOLUENE	1	ug/L	U	1	1	OK
MW-01	XYLENES, TOTAL	1	ug/L	U	1	1	OK
MW-03	FLUORIDE	0.1	mg/L		1	0.1	OK
MW-03	NITRATE + NITRITE AS N	0.1	mg/L		1	0.1	OK
MW-03	SELENIUM	25	ug/L		50	5	OK
MW-03	SULFATE	20	mg/L		20	1	OK
MW-03A	NITRATE + NITRITE AS N	1	mg/L	U	10	0.1	OK
MW-03A	SELENIUM	25	ug/L		50	5	OK
MW-03A	SULFATE	50	mg/L		50	1	OK
MW-03A	TOTAL DISSOLVED SOLIDS	20	MG/L		4	10	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-05	URANIUM	0.5	ug/L		1	0.3	OK
MW-11	2-BUTANONE	20	ug/L	U	1	20	OK
MW-11	ACETONE	20	ug/L	U	1	20	OK
MW-11	ALKALINITY, BICARBONATE (AS CACO3)	1	mg/L		1	1	OK
MW-11	ALKALINITY, CARBONATE (AS CACO3)	1	mg/L	U	1	1	OK
MW-11	AMMONIA AS N	0.05	mg/L		1	0.05	OK
MW-11	ARSENIC	5	ug/L	U	1	5	OK
MW-11	BENZENE	1	ug/L	U	1	1	OK
MW-11	BERYLLIUM	0.5	ug/L	U	1	0.5	OK
MW-11	CADMIUM	0.5	ug/L	U	1	0.5	OK
MW-11	CALCIUM	0.5	mg/L		1	0.5	OK
MW-11	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
MW-11	CHLORIDE	1	mg/L		1	1	OK
MW-11	CHLOROFORM	1	ug/L	U	1	1	OK
MW-11	CHLOROMETHANE	1	ug/L	U	1	1	OK
MW-11	CHROMIUM	25	ug/L	U	1	25	OK
MW-11	COBALT	10	ug/L	U	1	10	OK
MW-11	COPPER	10	ug/L	U	1	10	OK
MW-11	FLUORIDE	0.1	mg/L		1	0.1	OK
MW-11	Gross Radium Alpha	0.512	pCi/L	U	1	1	OK
MW-11	IRON	30	ug/L		1	30	OK
MW-11	LEAD	1	ug/L	U	1	1	OK
MW-11	MAGNESIUM	0.5	mg/L		1	0.5	OK
MW-11	MANGANESE	10	ug/L		1	10	OK
MW-11	MERCURY	0.5	ug/L	U	1	0.5	OK
MW-11	METHYLENE CHLORIDE	1	ug/L	U	1	1	OK
MW-11	MOLYBDENUM	10	ug/L	U	1	10	OK
MW-11	NAPHTHALENE	1	ug/L	U	1	1	OK
MW-11	NICKEL	20	ug/L	U	1	20	OK
MW-11	NITRATE + NITRITE AS N	0.1	mg/L	U	1	0.1	OK
MW-11	POTASSIUM	0.5	mg/L		1	0.5	OK
MW-11	SELENIUM	5	ug/L	U	1	5	OK
MW-11	SILVER	10	ug/L	U	1	10	OK
MW-11	SODIUM	0.5	mg/L		1	0.5	OK
MW-11	SULFATE	10	mg/L		10	1	OK
MW-11	TETRAHYDROFURAN	1	ug/L	U	1	1	OK
MW-11	THALLIUM	0.5	ug/L	U	1	0.5	OK
MW-11	TIN	100	ug/L	U	1	100	OK
MW-11	TOLUENE	1	ug/L	U	1	1	OK
MW-11	TOTAL DISSOLVED SOLIDS	10	MG/L		2	10	OK
MW-11	URANIUM	0.5	ug/L	U	1	0.3	OK
MW-11	VANADIUM	15	ug/L	U	1	15	OK
MW-11	XYLENES, TOTAL	1	ug/L	U	1	1	OK
MW-11	ZINC	10	ug/L	U	1	10	OK
MW-14	2-BUTANONE	20	ug/L	U	1	20	OK
MW-14	ACETONE	20	ug/L	U	1	20	OK
MW-14	ALKALINITY, BICARBONATE (AS CACO3)	1	mg/L		1	1	OK
MW-14	ALKALINITY, CARBONATE (AS CACO3)	1	mg/L	U	1	1	OK
MW-14	AMMONIA AS N	0.05	mg/L	U	1	0.05	OK
MW-14	ARSENIC	5	ug/L	U	2	5	OK
MW-14	BENZENE	1	ug/L	U	1	1	OK
MW-14	BERYLLIUM	0.5	ug/L	U	1	0.5	OK
MW-14	CADMIUM	0.5	ug/L		2	0.5	OK
MW-14	CALCIUM	0.5	mg/L		1	0.5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-14	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
MW-14	CHLORIDE	1	mg/L		1	1	OK
MW-14	CHLOROFORM	1	ug/L	U	1	1	OK
MW-14	CHLOROMETHANE	1	ug/L	U	1	1	OK
MW-14	CHROMIUM	25	ug/L	U	2	25	OK
MW-14	COBALT	10	ug/L	U	2	10	OK
MW-14	COPPER	10	ug/L	U	2	10	OK
MW-14	FLUORIDE	0.1	mg/L		1	0.1	OK
MW-14	Gross Radium Alpha	0.752	pCi/L	U	1	1	OK
MW-14	IRON	30	ug/L	U	1	30	OK
MW-14	LEAD	1	ug/L	U	2	1	OK
MW-14	MAGNESIUM	0.5	mg/L		1	0.5	OK
MW-14	MANGANESE	10	ug/L		1	10	OK
MW-14	MERCURY	0.5	ug/L	U	1	0.5	OK
MW-14	METHYLENE CHLORIDE	1	ug/L	U	1	1	OK
MW-14	MOLYBDENUM	10	ug/L	U	2	10	OK
MW-14	NAPHTHALENE	1	ug/L	U	1	1	OK
MW-14	NICKEL	20	ug/L	U	2	20	OK
MW-14	NITRATE + NITRITE AS N	0.1	mg/L	U	1	0.1	OK
MW-14	POTASSIUM	0.5	mg/L		1	0.5	OK
MW-14	SELENIUM	5	ug/L	U	2	5	OK
MW-14	SILVER	10	ug/L	U	2	10	OK
MW-14	SODIUM	0.5	mg/L		1	0.5	OK
MW-14	SULFATE	20	mg/L		20	1	OK
MW-14	TETRAHYDROFURAN	1	ug/L	U	1	1	OK
MW-14	THALLIUM	0.5	ug/L	U	2	0.5	OK
MW-14	TIN	100	ug/L	U	1	100	OK
MW-14	TOLUENE	1	ug/L	U	1	1	OK
MW-14	TOTAL DISSOLVED SOLIDS	10	MG/L		2	10	OK
MW-14	URANIUM	1	ug/L		2	0.3	OK
MW-14	VANADIUM	15	ug/L	U	2	15	OK
MW-14	XYLENES, TOTAL	1	ug/L	U	1	1	OK
MW-14	ZINC	10	ug/L	U	1	10	OK
MW-15	SELENIUM	5	ug/L		2	5	OK
MW-18	SULFATE	20	mg/L		20	1	OK
MW-18	THALLIUM	0.5	ug/L		1	0.5	OK
MW-18	TOTAL DISSOLVED SOLIDS	10	MG/L		2	10	OK
MW-19	Gross Radium Alpha	0.518	pCi/L	U	1	1	OK
MW-19	NITRATE + NITRITE AS N	0.1	mg/L		1	0.1	OK
MW-24	CADMIUM	0.5	ug/L		1	0.5	OK
MW-24	FLUORIDE	0.1	mg/L		1	0.1	OK
MW-24	THALLIUM	0.5	ug/L		1	0.5	OK
MW-25	2-BUTANONE	20	ug/L	U	1	20	OK
MW-25	ACETONE	20	ug/L	U	1	20	OK
MW-25	ALKALINITY, BICARBONATE (AS CACO3)	1	mg/L		1	1	OK
MW-25	ALKALINITY, CARBONATE (AS CACO3)	1	mg/L	U	1	1	OK
MW-25	AMMONIA AS N	0.05	mg/L		1	0.05	OK
MW-25	ARSENIC	5	ug/L	U	2	5	OK
MW-25	BENZENE	1	ug/L	U	1	1	OK
MW-25	BERYLLIUM	0.5	ug/L	U	1	0.5	OK
MW-25	CADMIUM	0.5	ug/L		2	0.5	OK
MW-25	CALCIUM	0.5	mg/L		1	0.5	OK
MW-25	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
MW-25	CHLORIDE	1	mg/L		1	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-25	CHLOROFORM	1	ug/L	U	1	1	OK
MW-25	CHLOROMETHANE	1	ug/L	U	1	1	OK
MW-25	CHROMIUM	25	ug/L	U	2	25	OK
MW-25	COBALT	10	ug/L	U	2	10	OK
MW-25	COPPER	10	ug/L	U	2	10	OK
MW-25	FLUORIDE	0.1	mg/L		1	0.1	OK
MW-25	Gross Radium Alpha	0.781	pCi/L	U	1	1	OK
MW-25	IRON	30	ug/L	U	1	30	OK
MW-25	LEAD	1	ug/L	U	2	1	OK
MW-25	MAGNESIUM	0.5	mg/L		1	0.5	OK
MW-25	MANGANESE	10	ug/L		1	10	OK
MW-25	MERCURY	0.5	ug/L	U	1	0.5	OK
MW-25	METHYLENE CHLORIDE	1	ug/L	U	1	1	OK
MW-25	MOLYBDENUM	10	ug/L		2	10	OK
MW-25	NAPHTHALENE	1	ug/L	U	1	1	OK
MW-25	NICKEL	20	ug/L	U	2	20	OK
MW-25	NITRATE + NITRITE AS N	0.1	mg/L	U	1	0.1	OK
MW-25	POTASSIUM	0.5	mg/L		1	0.5	OK
MW-25	SELENIUM	5	ug/L	U	2	5	OK
MW-25	SILVER	10	ug/L	U	2	10	OK
MW-25	SODIUM	0.5	mg/L		1	0.5	OK
MW-25	SULFATE	20	mg/L		20	1	OK
MW-25	TETRAHYDROFURAN	1	ug/L	U	1	1	OK
MW-25	THALLIUM	0.5	ug/L		2	0.5	OK
MW-25	TIN	100	ug/L	U	1	100	OK
MW-25	TOLUENE	1	ug/L	U	1	1	OK
MW-25	TOTAL DISSOLVED SOLIDS	10	MG/L		2	10	OK
MW-25	URANIUM	1	ug/L		2	0.3	OK
MW-25	VANADIUM	15	ug/L	U	2	15	OK
MW-25	XYLENES, TOTAL	1	ug/L	U	1	1	OK
MW-25	ZINC	10	ug/L	U	1	10	OK
MW-26	2-BUTANONE	20	ug/L	U	1	20	OK
MW-26	ACETONE	20	ug/L	U	1	20	OK
MW-26	ALKALINITY, BICARBONATE (AS CACO3)	1	mg/L		1	1	OK
MW-26	ALKALINITY, CARBONATE (AS CACO3)	1	mg/L	U	1	1	OK
MW-26	AMMONIA AS N	0.05	mg/L		1	0.05	OK
MW-26	ARSENIC	5	ug/L	U	2	5	OK
MW-26	BENZENE	1	ug/L	U	1	1	OK
MW-26	BERYLLIUM	0.5	ug/L	U	1	0.5	OK
MW-26	CADMIUM	0.5	ug/L	U	2	0.5	OK
MW-26	CALCIUM	0.5	mg/L		1	0.5	OK
MW-26	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
MW-26	CHLORIDE	1	mg/L		1	1	OK
MW-26	CHLOROFORM	1	ug/L		1	1	OK
MW-26	CHLOROMETHANE	1	ug/L		1	1	OK
MW-26	CHROMIUM	25	ug/L	U	2	25	OK
MW-26	COBALT	10	ug/L	U	2	10	OK
MW-26	COPPER	10	ug/L	U	2	10	OK
MW-26	FLUORIDE	0.1	mg/L		1	0.1	OK
MW-26	Gross Radium Alpha	1.01	pCi/L		1	1	OK
MW-26	IRON	30	ug/L		1	30	OK
MW-26	LEAD	1	ug/L	U	2	1	OK
MW-26	MAGNESIUM	0.5	mg/L		1	0.5	OK
MW-26	MANGANESE	10	ug/L		1	10	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-26	MERCURY	0.5	ug/L	U	1	0.5	OK
MW-26	METHYLENE CHLORIDE	1	ug/L		1	1	OK
MW-26	MOLYBDENUM	10	ug/L	U	2	10	OK
MW-26	NAPHTHALENE	1	ug/L	U	1	1	OK
MW-26	NICKEL	20	ug/L	U	2	20	OK
MW-26	NITRATE + NITRITE AS N	0.1	mg/L		1	0.1	OK
MW-26	POTASSIUM	0.5	mg/L		1	0.5	OK
MW-26	SELENIUM	5	ug/L		2	5	OK
MW-26	SILVER	10	ug/L	U	2	10	OK
MW-26	SODIUM	0.5	mg/L		1	0.5	OK
MW-26	SULFATE	20	mg/L		20	1	OK
MW-26	TETRAHYDROFURAN	1	ug/L	U	1	1	OK
MW-26	THALLIUM	0.5	ug/L	U	2	0.5	OK
MW-26	TIN	100	ug/L	U	1	100	OK
MW-26	TOLUENE	1	ug/L	U	1	1	OK
MW-26	TOTAL DISSOLVED SOLIDS	10	MG/L		2	10	OK
MW-26	URANIUM	1	ug/L		2	0.3	OK
MW-26	VANADIUM	15	ug/L	U	2	15	OK
MW-26	XYLENES, TOTAL	1	ug/L	U	1	1	OK
MW-26	ZINC	10	ug/L	U	1	10	OK
MW-27	CHLORIDE	1	mg/L		1	1	OK
MW-27	Gross Radium Alpha	0.541	pCi/L		1	1	OK
MW-27	NITRATE + NITRITE AS N	1	mg/L		10	0.1	OK
MW-27	SULFATE	5	mg/L		5	1	OK
MW-27	TOTAL DISSOLVED SOLIDS	20	MG/L		4	10	OK
MW-28	CADMIUM	1	ug/L		5	0.5	OK
MW-28	CHLORIDE	5	mg/L		5	1	OK
MW-28	MANGANESE	10	ug/L		1	10	OK
MW-28	URANIUM	2.5	ug/L		5	0.3	OK
MW-28	VANADIUM	15	ug/L		5	15	OK
MW-29	MANGANESE	10	ug/L		1	10	OK
MW-29	TOTAL DISSOLVED SOLIDS	10	MG/L		2	10	OK
MW-30	2-BUTANONE	20	ug/L	U	1	20	OK
MW-30	ACETONE	20	ug/L	U	1	20	OK
MW-30	ALKALINITY, BICARBONATE (AS CACO3)	1	mg/L		1	1	OK
MW-30	ALKALINITY, CARBONATE (AS CACO3)	1	mg/L	U	1	1	OK
MW-30	AMMONIA AS N	0.05	mg/L	U	1	0.05	OK
MW-30	ARSENIC	5	ug/L		1	5	OK
MW-30	BENZENE	1	ug/L	U	1	1	OK
MW-30	BERYLLIUM	0.5	ug/L	U	1	0.5	OK
MW-30	CADMIUM	0.5	ug/L	U	1	0.5	OK
MW-30	CALCIUM	0.5	mg/L		1	0.5	OK
MW-30	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
MW-30	CHLORIDE	5	mg/L		5	1	OK
MW-30	CHLOROFORM	1	ug/L	U	1	1	OK
MW-30	CHLOROMETHANE	1	ug/L	U	1	1	OK
MW-30	CHROMIUM	25	ug/L	U	1	25	OK
MW-30	COBALT	10	ug/L	U	1	10	OK
MW-30	COPPER	10	ug/L	U	1	10	OK
MW-30	FLUORIDE	0.1	mg/L		1	0.1	OK
MW-30	Gross Radium Alpha	0.511	pCi/L	U	1	1	OK
MW-30	IRON	30	ug/L	U	1	30	OK
MW-30	LEAD	1	ug/L	U	1	1	OK
MW-30	MAGNESIUM	0.5	mg/L		1	0.5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-30	MANGANESE	10	ug/L		1	10	OK
MW-30	MERCURY	0.5	ug/L	U	1	0.5	OK
MW-30	METHYLENE CHLORIDE	1	ug/L	U	1	1	OK
MW-30	MOLYBDENUM	10	ug/L	U	1	10	OK
MW-30	NAPHTHALENE	1	ug/L	U	1	1	OK
MW-30	NICKEL	20	ug/L	U	1	20	OK
MW-30	NITRATE + NITRITE AS N	2	mg/L		20	0.1	OK
MW-30	POTASSIUM	0.5	mg/L		1	0.5	OK
MW-30	SELENIUM	5	ug/L		1	5	OK
MW-30	SILVER	10	ug/L	U	1	10	OK
MW-30	SODIUM	0.5	mg/L		1	0.5	OK
MW-30	SULFATE	5	mg/L		5	1	OK
MW-30	TETRAHYDROFURAN	1	ug/L	U	1	1	OK
MW-30	THALLIUM	0.5	ug/L	U	1	0.5	OK
MW-30	TIN	100	ug/L	U	1	100	OK
MW-30	TOLUENE	1	ug/L	U	1	1	OK
MW-30	TOTAL DISSOLVED SOLIDS	10	MG/L		2	10	OK
MW-30	URANIUM	0.5	ug/L		1	0.3	OK
MW-30	VANADIUM	15	ug/L	U	1	15	OK
MW-30	XYLENES, TOTAL	1	ug/L	U	1	1	OK
MW-30	ZINC	10	ug/L	U	1	10	OK
MW-31	2-BUTANONE	20	ug/L	U	1	20	OK
MW-31	ACETONE	20	ug/L	U	1	20	OK
MW-31	ALKALINITY, BICARBONATE (AS CACO3)	1	mg/L		1	1	OK
MW-31	ALKALINITY, CARBONATE (AS CACO3)	1	mg/L	U	1	1	OK
MW-31	AMMONIA AS N	0.05	mg/L	U	1	0.05	OK
MW-31	ARSENIC	5	ug/L		2	5	OK
MW-31	BENZENE	1	ug/L	U	1	1	OK
MW-31	BERYLLIUM	0.5	ug/L	U	1	0.5	OK
MW-31	CADMIUM	0.5	ug/L	U	2	0.5	OK
MW-31	CALCIUM	0.5	mg/L		1	0.5	OK
MW-31	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
MW-31	CHLORIDE	10	mg/L		10	1	OK
MW-31	CHLOROFORM	1	ug/L	U	1	1	OK
MW-31	CHLOROMETHANE	1	ug/L	U	1	1	OK
MW-31	CHROMIUM	25	ug/L	U	2	25	OK
MW-31	COBALT	10	ug/L	U	2	10	OK
MW-31	COPPER	10	ug/L	U	2	10	OK
MW-31	FLUORIDE	0.1	mg/L		1	0.1	OK
MW-31	Gross Radium Alpha	0.975	pCi/L	U	1	1	OK
MW-31	IRON	30	ug/L	U	1	30	OK
MW-31	LEAD	1	ug/L	U	2	1	OK
MW-31	MAGNESIUM	0.5	mg/L		1	0.5	OK
MW-31	MANGANESE	10	ug/L	U	1	10	OK
MW-31	MERCURY	0.5	ug/L	U	1	0.5	OK
MW-31	METHYLENE CHLORIDE	1	ug/L	U	1	1	OK
MW-31	MOLYBDENUM	10	ug/L	U	2	10	OK
MW-31	NAPHTHALENE	1	ug/L	U	1	1	OK
MW-31	NICKEL	20	ug/L	U	2	20	OK
MW-31	NITRATE + NITRITE AS N	1	mg/L		10	0.1	OK
MW-31	POTASSIUM	0.5	mg/L		1	0.5	OK
MW-31	SELENIUM	5	ug/L		2	5	OK
MW-31	SILVER	10	ug/L	U	2	10	OK
MW-31	SODIUM	0.5	mg/L		1	0.5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-31	SULFATE	10	mg/L		10	1	OK
MW-31	TETRAHYDROFURAN	1	ug/L	U	1	1	OK
MW-31	THALLIUM	0.5	ug/L	U	2	0.5	OK
MW-31	TIN	100	ug/L	U	1	100	OK
MW-31	TOLUENE	1	ug/L	U	1	1	OK
MW-31	TOTAL DISSOLVED SOLIDS	10	MG/L		2	10	OK
MW-31	URANIUM	1	ug/L		2	0.3	OK
MW-31	VANADIUM	15	ug/L	U	2	15	OK
MW-31	XYLENES, TOTAL	1	ug/L	U	1	1	OK
MW-32	Gross Radium Alpha	1.06	pCi/L		1	1	OK
MW-35	2-BUTANONE	20	ug/L	U	1	20	OK
MW-35	ACETONE	20	ug/L	U	1	20	OK
MW-35	ALKALINITY, BICARBONATE (AS CACO3)	1	mg/L		1	1	OK
MW-35	ALKALINITY, CARBONATE (AS CACO3)	1	mg/L	U	1	1	OK
MW-35	AMMONIA AS N	0.05	mg/L	U	1	0.05	OK
MW-35	ARSENIC	5	ug/L	U	2	5	OK
MW-35	BENZENE	1	ug/L	U	1	1	OK
MW-35	BERYLLIUM	0.5	ug/L	U	1	0.5	OK
MW-35	CADMIUM	0.5	ug/L	U	2	0.5	OK
MW-35	CALCIUM	0.5	mg/L		1	0.5	OK
MW-35	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
MW-35	CHLORIDE	1	mg/L		1	1	OK
MW-35	CHLOROFORM	1	ug/L	U	1	1	OK
MW-35	CHLOROMETHANE	1	ug/L	U	1	1	OK
MW-35	CHROMIUM	25	ug/L	U	2	25	OK
MW-35	COBALT	10	ug/L	U	2	10	OK
MW-35	COPPER	10	ug/L	U	2	10	OK
MW-35	FLUORIDE	0.1	mg/L		1	0.1	OK
MW-35	Gross Radium Alpha	1.05	pCi/L		1	1	OK
MW-35	IRON	30	ug/L		1	30	OK
MW-35	LEAD	1	ug/L	U	2	1	OK
MW-35	MAGNESIUM	0.5	mg/L		1	0.5	OK
MW-35	MANGANESE	10	ug/L		1	10	OK
MW-35	MERCURY	0.5	ug/L	U	1	0.5	OK
MW-35	METHYLENE CHLORIDE	1	ug/L	U	1	1	OK
MW-35	MOLYBDENUM	10	ug/L	U	2	10	OK
MW-35	NAPHTHALENE	1	ug/L	U	1	1	OK
MW-35	NICKEL	20	ug/L	U	2	20	OK
MW-35	NITRATE + NITRITE AS N	0.1	mg/L	U	1	0.1	OK
MW-35	POTASSIUM	0.5	mg/L		1	0.5	OK
MW-35	SELENIUM	5	ug/L		2	5	OK
MW-35	SILVER	10	ug/L	U	2	10	OK
MW-35	SODIUM	0.5	mg/L		1	0.5	OK
MW-35	SULFATE	20	mg/L		20	1	OK
MW-35	TETRAHYDROFURAN	1	ug/L	U	1	1	OK
MW-35	THALLIUM	0.5	ug/L		2	0.5	OK
MW-35	TIN	100	ug/L	U	1	100	OK
MW-35	TOLUENE	1	ug/L	U	1	1	OK
MW-35	TOTAL DISSOLVED SOLIDS	10	MG/L		2	10	OK
MW-35	URANIUM	1	ug/L		2	0.3	OK
MW-35	VANADIUM	15	ug/L	U	2	15	OK
MW-35	XYLENES, TOTAL	1	ug/L	U	1	1	OK
MW-35	ZINC	10	ug/L	U	1	10	OK
MW-36	2-BUTANONE	20	ug/L	U	1	20	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-36	ACETONE	20	ug/L	U	1	20	OK
MW-36	ALKALINITY, BICARBONATE (AS CACO3)	1	mg/L		1	1	OK
MW-36	ALKALINITY, CARBONATE (AS CACO3)	1	mg/L	U	1	1	OK
MW-36	AMMONIA AS N	0.05	mg/L	U	1	0.05	OK
MW-36	ARSENIC	5	ug/L		2	5	OK
MW-36	BENZENE	1	ug/L	U	1	1	OK
MW-36	BERYLLIUM	0.5	ug/L	U	1	0.5	OK
MW-36	CADMIUM	0.5	ug/L	U	2	0.5	OK
MW-36	CALCIUM	0.5	mg/L		1	0.5	OK
MW-36	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
MW-36	CHLORIDE	1	mg/L		1	1	OK
MW-36	CHLOROFORM	1	ug/L	U	1	1	OK
MW-36	CHLOROMETHANE	1	ug/L	U	1	1	OK
MW-36	CHROMIUM	25	ug/L	U	2	25	OK
MW-36	COBALT	10	ug/L	U	2	10	OK
MW-36	COPPER	10	ug/L	U	2	10	OK
MW-36	FLUORIDE	0.1	mg/L		1	0.1	OK
MW-36	Gross Radium Alpha	0.844	pCi/L	U	1	1	OK
MW-36	IRON	30	ug/L	U	1	30	OK
MW-36	LEAD	1	ug/L	U	2	1	OK
MW-36	MAGNESIUM	0.5	mg/L		1	0.5	OK
MW-36	MANGANESE	10	ug/L	U	1	10	OK
MW-36	MERCURY	0.5	ug/L	U	1	0.5	OK
MW-36	METHYLENE CHLORIDE	1	ug/L	U	1	1	OK
MW-36	MOLYBDENUM	10	ug/L	U	2	10	OK
MW-36	NAPHTHALENE	1	ug/L	U	1	1	OK
MW-36	NICKEL	20	ug/L	U	2	20	OK
MW-36	NITRATE + NITRITE AS N	0.1	mg/L		1	0.1	OK
MW-36	POTASSIUM	0.5	mg/L		1	0.5	OK
MW-36	SELENIUM	5	ug/L		2	5	OK
MW-36	SILVER	10	ug/L	U	2	10	OK
MW-36	SODIUM	0.5	mg/L		1	0.5	OK
MW-36	SULFATE	20	mg/L		20	1	OK
MW-36	TETRAHYDROFURAN	1	ug/L	U	1	1	OK
MW-36	THALLIUM	0.5	ug/L		2	0.5	OK
MW-36	TIN	100	ug/L	U	1	100	OK
MW-36	TOLUENE	1	ug/L	U	1	1	OK
MW-36	TOTAL DISSOLVED SOLIDS	10	MG/L		2	10	OK
MW-36	URANIUM	1	ug/L		2	0.3	OK
MW-36	VANADIUM	15	ug/L	U	2	15	OK
MW-36	XYLENES, TOTAL	1	ug/L	U	1	1	OK
MW-36	ZINC	10	ug/L	U	1	10	OK
MW-37	2-BUTANONE	20	ug/L	U	1	20	OK
MW-37	ACETONE	20	ug/L	U	1	20	OK
MW-37	ALKALINITY, BICARBONATE (AS CACO3)	1	mg/L		1	1	OK
MW-37	ALKALINITY, CARBONATE (AS CACO3)	1	mg/L	U	1	1	OK
MW-37	AMMONIA AS N	0.2	mg/L	U	1	0.05	OK
MW-37	ARSENIC	5	ug/L	U	1	5	OK
MW-37	BENZENE	1	ug/L	U	1	1	OK
MW-37	BERYLLIUM	0.5	ug/L	U	1	0.5	OK
MW-37	CADMIUM	0.5	ug/L	U	1	0.5	OK
MW-37	CALCIUM	0.5	mg/L		1	0.5	OK
MW-37	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
MW-37	CHLORIDE	1	mg/L		1	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-37	CHLOROFORM	1	ug/L	U	1	1	OK
MW-37	CHLOROMETHANE	1	ug/L	U	1	1	OK
MW-37	CHROMIUM	25	ug/L	U	1	25	OK
MW-37	COBALT	10	ug/L	U	1	10	OK
MW-37	COPPER	10	ug/L	U	1	10	OK
MW-37	FLUORIDE	0.1	mg/L		1	0.1	OK
MW-37	Gross Radium Alpha	0.466	pCi/L		1	1	OK
MW-37	IRON	30	ug/L	U	1	30	OK
MW-37	LEAD	1	ug/L	U	1	1	OK
MW-37	MAGNESIUM	0.5	mg/L		1	0.5	OK
MW-37	MANGANESE	10	ug/L	U	1	10	OK
MW-37	MERCURY	0.5	ug/L	U	1	0.5	OK
MW-37	METHYLENE CHLORIDE	1	ug/L	U	1	1	OK
MW-37	MOLYBDENUM	10	ug/L	U	1	10	OK
MW-37	NAPHTHALENE	1	ug/L	U	1	1	OK
MW-37	NICKEL	20	ug/L		1	20	OK
MW-37	NITRATE + NITRITE AS N	1	mg/L	U	10	0.1	OK
MW-37	POTASSIUM	0.5	mg/L		1	0.5	OK
MW-37	SELENIUM	5	ug/L		1	5	OK
MW-37	SILVER	10	ug/L	U	1	10	OK
MW-37	SULFATE	20	mg/L		20	1	OK
MW-37	TETRAHYDROFURAN	1	ug/L	U	1	1	OK
MW-37	THALLIUM	0.5	ug/L	U	1	0.5	OK
MW-37	TIN	100	ug/L	U	1	100	OK
MW-37	TOLUENE	1	ug/L	U	1	1	OK
MW-37	TOTAL DISSOLVED SOLIDS	20	MG/L		4	10	OK
MW-37	URANIUM	0.5	ug/L		1	0.3	OK
MW-37	VANADIUM	15	ug/L	U	1	15	OK
MW-37	XYLENES, TOTAL	1	ug/L	U	1	1	OK
MW-37	ZINC	10	ug/L	U	1	10	OK
MW-65	2-BUTANONE	20	ug/L	U	1	20	OK
MW-65	ACETONE	20	ug/L	U	1	20	OK
MW-65	ALKALINITY, BICARBONATE (AS CACO3)	1	mg/L		1	1	OK
MW-65	ALKALINITY, CARBONATE (AS CACO3)	1	mg/L	U	1	1	OK
MW-65	AMMONIA AS N	0.05	mg/L	U	1	0.05	OK
MW-65	ARSENIC	5	ug/L		1	5	OK
MW-65	BENZENE	1	ug/L	U	1	1	OK
MW-65	BERYLLIUM	0.5	ug/L	U	1	0.5	OK
MW-65	CADMIUM	0.5	ug/L	U	1	0.5	OK
MW-65	CALCIUM	0.5	mg/L		1	0.5	OK
MW-65	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
MW-65	CHLORIDE	5	mg/L		5	1	OK
MW-65	CHLOROFORM	1	ug/L	U	1	1	OK
MW-65	CHLOROMETHANE	1	ug/L	U	1	1	OK
MW-65	CHROMIUM	25	ug/L	U	1	25	OK
MW-65	COBALT	10	ug/L	U	1	10	OK
MW-65	COPPER	10	ug/L	U	1	10	OK
MW-65	FLUORIDE	0.1	mg/L		1	0.1	OK
MW-65	Gross Radium Alpha	0.562	pCi/L	U	1	1	OK
MW-65	IRON	30	ug/L	U	1	30	OK
MW-65	LEAD	1	ug/L	U	1	1	OK
MW-65	MAGNESIUM	0.5	mg/L		1	0.5	OK
MW-65	MANGANESE	10	ug/L		1	10	OK
MW-65	MERCURY	0.5	ug/L	U	1	0.5	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-65	METHYLENE CHLORIDE	1	ug/L	U	1	1	OK
MW-65	MOLYBDENUM	10	ug/L	U	1	10	OK
MW-65	NAPHTHALENE	1	ug/L	U	1	1	OK
MW-65	NICKEL	20	ug/L	U	1	20	OK
MW-65	NITRATE + NITRITE AS N	1	mg/L		10	0.1	OK
MW-65	POTASSIUM	0.5	mg/L		1	0.5	OK
MW-65	SELENIUM	5	ug/L		1	5	OK
MW-65	SILVER	10	ug/L	U	1	10	OK
MW-65	SODIUM	0.5	mg/L		1	0.5	OK
MW-65	SULFATE	5	mg/L		5	1	OK
MW-65	TETRAHYDROFURAN	1	ug/L	U	1	1	OK
MW-65	THALLIUM	0.5	ug/L	U	1	0.5	OK
MW-65	TIN	100	ug/L	U	1	100	OK
MW-65	TOLUENE	1	ug/L	U	1	1	OK
MW-65	TOTAL DISSOLVED SOLIDS	10	MG/L		2	10	OK
MW-65	URANIUM	0.5	ug/L		1	0.3	OK
MW-65	VANADIUM	15	ug/L	U	1	15	OK
MW-65	XYLENES, TOTAL	1	ug/L	U	1	1	OK
MW-65	ZINC	10	ug/L	U	1	10	OK
MW-70	2-BUTANONE	20	ug/L	U	1	20	OK
MW-70	ACETONE	20	ug/L	U	1	20	OK
MW-70	ALKALINITY, BICARBONATE (AS CACO3)	1	mg/L		1	1	OK
MW-70	ALKALINITY, CARBONATE (AS CACO3)	1	mg/L	U	1	1	OK
MW-70	AMMONIA AS N	0.2	mg/L	U	1	0.05	OK
MW-70	ARSENIC	5	ug/L	U	1	5	OK
MW-70	BENZENE	1	ug/L	U	1	1	OK
MW-70	BERYLLIUM	0.5	ug/L	U	1	0.5	OK
MW-70	CADMIUM	0.5	ug/L	U	1	0.5	OK
MW-70	CALCIUM	0.5	mg/L		1	0.5	OK
MW-70	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
MW-70	CHLORIDE	1	mg/L		1	1	OK
MW-70	CHLOROFORM	1	ug/L	U	1	1	OK
MW-70	CHLOROMETHANE	1	ug/L	U	1	1	OK
MW-70	CHROMIUM	25	ug/L	U	1	25	OK
MW-70	COBALT	10	ug/L	U	1	10	OK
MW-70	COPPER	10	ug/L	U	1	10	OK
MW-70	FLUORIDE	0.1	mg/L		1	0.1	OK
MW-70	Gross Radium Alpha	0.522	pCi/L	U	1	1	OK
MW-70	IRON	30	ug/L	U	1	30	OK
MW-70	LEAD	1	ug/L	U	1	1	OK
MW-70	MAGNESIUM	0.5	mg/L		1	0.5	OK
MW-70	MANGANESE	10	ug/L	U	1	10	OK
MW-70	MERCURY	0.5	ug/L	U	1	0.5	OK
MW-70	METHYLENE CHLORIDE	1	ug/L	U	1	1	OK
MW-70	MOLYBDENUM	10	ug/L	U	1	10	OK
MW-70	NAPHTHALENE	1	ug/L	U	1	1	OK
MW-70	NICKEL	20	ug/L		1	20	OK
MW-70	NITRATE + NITRITE AS N	0.1	mg/L		1	0.1	OK
MW-70	POTASSIUM	0.5	mg/L		1	0.5	OK
MW-70	SELENIUM	5	ug/L		1	5	OK
MW-70	SILVER	10	ug/L	U	1	10	OK
MW-70	SODIUM	0.5	mg/L		1	0.5	OK
MW-70	SULFATE	20	mg/L		20	1	OK
MW-70	TETRAHYDROFURAN	1	ug/L	U	1	1	OK

G-5A Quarterly Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-70	THALLIUM	0.5	ug/L	U	1	0.5	OK
MW-70	TIN	100	ug/L	U	1	100	OK
MW-70	TOLUENE	1	ug/L	U	1	1	OK
MW-70	TOTAL DISSOLVED SOLIDS	20	MG/L		4	10	OK
MW-70	URANIUM	0.5	ug/L		1	0.3	OK
MW-70	VANADIUM	15	ug/L	U	1	15	OK
MW-70	XYLENES, TOTAL	1	ug/L	U	1	1	OK
MW-70	ZINC	10	ug/L		1	10	OK

U = Analyte not detected.

G-5B Accelerated Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
Trip Blank	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
Trip Blank	CHLOROFORM	1	ug/L	U	1	1	OK
Trip Blank	METHYLENE CHLORIDE	1	ug/L	U	1	1	OK
Trip Blank	2-BUTANONE	20	ug/L	U	1	20	OK
Trip Blank	ACETONE	20	ug/L	U	1	20	OK
Trip Blank	BENZENE	1	ug/L	U	1	1	OK
Trip Blank	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
Trip Blank	CHLOROFORM	1	ug/L	U	1	1	OK
Trip Blank	CHLOROMETHANE	1	ug/L	U	1	1	OK
Trip Blank	METHYLENE CHLORIDE	1	ug/L	U	1	1	OK
Trip Blank	NAPHTHALENE	1	ug/L	U	1	1	OK
Trip Blank	TETRAHYDROFURAN	1	ug/L	U	1	1	OK
Trip Blank	TOLUENE	1	ug/L	U	1	1	OK
Trip Blank	XYLENES, TOTAL	1	ug/L	U	1	1	OK
MW-11	MANGANESE	10	ug/L		1	10	OK
MW-11	MANGANESE	10	ug/L		1	10	OK
MW-25	CADMIUM	1	ug/L		5	0.5	OK
MW-25	FLUORIDE	0.1	mg/L		1	0.1	OK
MW-25	URANIUM	2.5	ug/L		5	0.3	OK
MW-25	CADMIUM	0.5	ug/L		2	0.5	OK
MW-25	FLUORIDE	0.1	mg/L		1	0.1	OK
MW-25	URANIUM	1	ug/L		2	0.3	OK
MW-26	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
MW-26	CHLORIDE	2	mg/L		2	1	OK
MW-26	CHLOROFORM	1	ug/L		1	1	OK
MW-26	METHYLENE CHLORIDE	1	ug/L		1	1	OK
MW-26	NITRATE + NITRITE AS N	1	mg/L		10	0.1	OK
MW-26	URANIUM	2.5	ug/L		5	0.3	OK
MW-26	2-BUTANONE	20	ug/L	U	1	20	OK
MW-26	ACETONE	20	ug/L	U	1	20	OK
MW-26	BENZENE	1	ug/L	U	1	1	OK
MW-26	CARBON TETRACHLORIDE	1	ug/L	U	1	1	OK
MW-26	CHLORIDE	1	mg/L		1	1	OK
MW-26	CHLOROFORM	1	ug/L		1	1	OK
MW-26	CHLOROMETHANE	1	ug/L		1	1	OK
MW-26	METHYLENE CHLORIDE	1	ug/L		1	1	OK
MW-26	NAPHTHALENE	1	ug/L	U	1	1	OK
MW-26	NITRATE + NITRITE AS N	1	mg/L		10	0.1	OK
MW-26	TETRAHYDROFURAN	1	ug/L	U	1	1	OK
MW-26	TOLUENE	1	ug/L	U	1	1	OK
MW-26	URANIUM	1	ug/L		2	0.3	OK
MW-26	XYLENES, TOTAL	1	ug/L	U	1	1	OK
MW-30	CHLORIDE	5	mg/L		5	1	OK
MW-30	NITRATE + NITRITE AS N	1	mg/L		10	0.1	OK
MW-30	SELENIUM	5	ug/L		5	5	OK
MW-30	URANIUM	2.5	ug/L		5	0.3	OK
MW-30	CHLORIDE	5	mg/L		5	1	OK
MW-30	NITRATE + NITRITE AS N	2	mg/L		20	0.1	OK
MW-30	SELENIUM	5	ug/L		2	5	OK
MW-30	URANIUM	1	ug/L		2	0.3	OK
MW-31	CHLORIDE	10	mg/L		10	1	OK
MW-31	NITRATE + NITRITE AS N	10	mg/L		100	0.1	OK
MW-31	SELENIUM	5	ug/L		5	5	OK
MW-31	SULFATE	10	mg/L		10	1	OK

G-5B Accelerated Sample Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
MW-31	TOTAL DISSOLVED SOLIDS	20	MG/L		4	10	OK
MW-31	CHLORIDE	10	mg/L		10	1	OK
MW-31	NITRATE + NITRITE AS N	2	mg/L		20	0.1	OK
MW-31	SELENIUM	5	ug/L		2	5	OK
MW-31	SULFATE	10	mg/L		10	1	OK
MW-31	TOTAL DISSOLVED SOLIDS	20	MG/L		4	10	OK
MW-35	Gross Radium Alpha	0.992	pCi/L		1	1	OK
MW-35	MANGANESE	10	ug/L		1	10	OK
MW-35	SELENIUM	5	ug/L		2	5	OK
MW-35	THALLIUM	0.5	ug/L	U	2	0.5	OK
MW-35	URANIUM	1	ug/L		2	0.3	OK
MW-35	Gross Radium Alpha	0.903	pCi/L		1	1	OK
MW-35	MANGANESE	10	ug/L		1	10	OK
MW-35	SELENIUM	5	ug/L		2	5	OK
MW-35	THALLIUM	0.5	ug/L	U	2	0.5	OK
MW-35	URANIUM	1	ug/L		2	0.3	OK
MW-65	Gross Radium Alpha	0.985	pCi/L		1	1	OK
MW-65	MANGANESE	10	ug/L		1	10	OK
MW-65	SELENIUM	5	ug/L		2	5	OK
MW-65	THALLIUM	0.5	ug/L	U	2	0.5	OK
MW-65	URANIUM	1	ug/L		2	0.3	OK
MW-65	CHLORIDE	5	mg/L		5	1	OK
MW-65	NITRATE + NITRITE AS N	1	mg/L		10	0.1	OK
MW-65	SELENIUM	5	ug/L		2	5	OK
MW-65	URANIUM	1	ug/L		2	0.3	OK

U = Analyte not detected.

G-6A: Quarterly Sample Trip Blank Evaluation

All trip blanks for the Quarter were non detect.

Blank	Sample Date	Laboratory
CTF 1409947 and CTF 1409961	9/8/2014	Chemtech-Ford
CTF 1409584	9/2/2014	Chemtech-Ford
CTF 1410333	9/17/2014	Chemtech-Ford

G-6B: Accelerated Sample Trip Blank Evaluation

All trip blanks for the Accelerated samples were non detect.

Blank	Sample Date	Laboratory
CTF 1407498	7/28/2014	Chemtech-Ford
CTF 1408803	8/20/2014	Chemtech-Ford

G-7A: QA/QC Evaluation for Quarterly Sample Duplicates

Constituent	MW-30 9/9/14	MW-70 9/9/2014	%RPD
Arsenic	5.9	5.2	12.61
Bicarbonate as HCO3	189	188	0.53
Calcium (mg/L)	242	239	1.25
Chloride (mg/L)	136	137	0.73
Fluoride (mg/L)	0.4	0.4	0.00
Magnesium (mg/L)	66.8	67.0	0.30
Manganese	15	15	0.00
Nitrate + Nitrite (as N) (mg/L)	16.8	17.3	2.93
Potassium (mg/L)	6.3	6.3	0.00
Selenium (mg/L)	53.6	49	8.97
Sodium (mg/L)	94.9	93.7	1.27
Sulfate (mg/L)	720	722	0.28
TDS (mg/L)	1540	1560	1.29
Uranium (mg/L)	7.7	7.0	9.52
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. Calculated values are based on the formula in the approved QAP.

Constituent	MW-37 9/17/2014	MW-70 9/17/2014	%RPD
Bicarbonate as HCO3	243	240	1.24
Calcium	403	425	5.31
Chloride (mg/L)	44.0	44.0	0.00
Fluoride (mg/L)	0.3	0.3	0.00
Magnesium (mg/L)	121	126	4.05
Nickel	34.7	34.4	0.87
Nitrate + Nitrite (as N)	1.0	0.4	85.71
Potassium	14.3	14.7	2.76
Selenium	12.2	11.5	5.91
Sodium (mg/L)	475	493	3.72
Sulfate (mg/L)	2370	2,380	0.42
TDS (mg/L)	3850	3840	0.26
Thallium	0.5	0.5	0.00
Uranium	10.7	10.3	3.81
Zinc	10	20	66.67
Radiologic Duplicate Tests			
Gross Alpha minus Rn & U*	1.17	1.0 U	NC
Gross Alpha minus Rn & U Precision (±)	0.265	0.230	

* Duplicate checks reported for gross alpha minus RN and U are not %RPD. Calculated values are based on the formula in the approved QAP.

Per the approved QAP, an RPD greater than 20% is acceptable if the reported results are less than 5 times the RL. These results are provided for information only.

G-7B: QA/QC Evaluation for Accelerated Sample Duplicates

Constituent	MW-35 07/29/2014	MW-65 07/29/2014	%RPD*
Manganese (mg/L)	0.212	0.221	4.16
Selenium (mg/L)	0.0132	0.0127	3.86
Thallium	ND	ND	NC
Uranium	0.0265	0.0225	16.33
Radiologic RPD Tests			
Gross Alpha minus Rn & U	3.09	4.00	1.25
Gross Alpha minus Rn & U Precision (±)	0.479	0.549	
Constituent	**MW-30 08/20/2014**	**MW-65 08/20/2014**	**%RPD**
Chloride (mg/L)	139	139	0.00
Nitrate + Nitrite (as N)	13.8	14.9	7.67
Selenium (mg/L)	0.0485	0.0472	2.72
Uranium (mg/L)	0.0076	0.0074	2.67

* Duplicate checks reported for gross alpha minus RN and U are not %RPD. Calculated values are based on the formula in the approved QAP.

G-8A: Quarterly Sample Radiologics Counting Error

Well	Gross Alpha minus Rn & U	Gross Alpha minus Rn and U Precision (+/-)	Counting Error ≤ 20%	GWCL	Within GWCL?
MW-11	1.0 U	0.145	NC	3.75	NC
MW-14	1.0 U	0.301	NC	7.5	NC
MW-19	1.0 U	0.200	NC	2.36	NC
MW-25	1.0 U	0.287	NC	7.5	NC
MW-26	1.58	0.418	N	4.69	Y
MW-27	1.16	0.269	N	2	Y
MW-30	1.0 U	0.131	NC	3.75	NC
MW-31	1.0 U	0.342	NC	7.5	NC
MW-32	3.69	0.588	Y	3.33	N/A
MW-35	3.93	0.595	Y	3.75	N/A
MW-36	1.0 U	0.303	NC	--	
MW-37	1.17	0.265	NC	--	
MW-65	1.0 U	0.198	NC	--	
MW-70	1.0 U	0.230	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	7/29/2014	3.09	0.479	Y	3.75	NM
MW-65	7/29/2014	4.00	0.549	Y	NC	NC
MW-35	8/20/2014	4.70	0.64	Y	3.75	N/A

N/A - the counting error is less than 20% of the activity as required by the GWDP. The value is above the GWCL and this check column is not applicable.

NC - Not calculated.

NM - the counting error is less than 20% of the activity as required by the GWDP and this check column is not applicable.

G-9A: Quarterly Sample Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD	RPD Range
1409947	NA	Calcium*	NC	NC	70-130	NC	20
1409947	NA	Sodium*	NC	NC	70-130	NC	20
1409947	NA	Calcium*	NC	NC	70-130	NC	20
1409947	NA	Sodium*	NC	NC	70-130	NC	20
1409947	NA	Magnesium*	NC	NC	70-130	NC	20
1409947	NA	Calcium*	NC	NC	70-130	NC	20
1409947	NA	Magnesium*	NC	NC	70-130	NC	20
1409947	MW-11	Sodium*	NC	NC	70-130	NC	20
1409947	MW-11	Sulfate*	NC	NC	80 - 120	NC	20
1409961	MW-01	Sulfate*	NC	NC	80 - 120	NC	20
1409961	MW-27	Sulfate*	NC	NC	80 - 120	NC	20
1409961	MW-14	Calcium*	NC	NC	70-130	NC	20
1409961	MW-14	Magnesium*	NC	NC	70-130	NC	20
1409961	MW-14	Sodium*	NC	NC	70-130	NC	20
1409961	MW-14	Manganese*	NC	NC	70-130	NC	20
1409961	MW-14	Sulfate*	NC	NC	80 - 120	NC	20
1410333	NA	Calcium*	NC	NC	70-130	NC	20
1410333	MW-37	Calcium*	NC	NC	70-130	NC	20
1410333	MW-37	Sodium*	NC	NC	70-130	NC	20
1410333	NA	Calcium*	NC	NC	70-130	NC	20
1410333	NA	Magnesium*	NC	NC	70-130	NC	20
1410333	NA	Sodium*	NC	NC	70-130	NC	20
1410333	MW-37	Magnesium*	NC	NC	70-130	NC	20
1410333	MW-37	Sulfate*	NC	NC	80 - 120	NC	20
1410333	MW-37	Nitrate	76	85	80 - 120	9.5	20

* Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike amount
NA: QC was not performed on an EFRI sample.

G-9A: Quarterly Sample Laboratory Matrix QC

Method Blank Detections

Lab Report	Well/Sample	Analyte	Reported Concentration	QAP Required RL
1409947	NA	Calcium	0.03	0.5 mg/L
1409947	NA	Iron	0.0004	0.03 mg/L
1409947	NA	Sodium	0.01	0.5 mg/L
1409947	NA	Chloride	0.30	1.0 mg/L
1409947	NA	TDS	6.00	10 mg/L
1409947	NA	Ammonia	0.04	0.05 mg/L
1409947	NA	Ammonia	0.05	0.05 mg/L
1409584	NA	Calcium	0.03	0.5 mg/L
1409584	NA	Iron	0.002	0.03 mg/L
1409584	NA	Potassium	0.02	0.5 mg/L
1409584	NA	Sodium	0.06	0.5 mg/L
1409584	NA	Tin	1.00	100 ug/L
1409584	NA	Zinc	2.00	10 ug/L
1409961	NA	Nitrate	0.01	0.1 mg/L
1410333	NA	Calcium	0.03	0.5 mg/L
1410333	NA	Iron	0.0004	0.03 mg/L
1410333	NA	Sodium	0.01	0.5 mg/L
1410333	NA	Fluoride	0.05	0.1 mg/L
1410333	NA	Sulfate	0.70	1.0 mg/L
1410333	NA	TDS	4.00	10 mg/L
1410333	NA	Ammonia	0.04	0.05 mg/L
1410333	NA	Ammonia	0.05	0.05 mg/L

G-9B: Accelerated Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD %	RPD Range %
1408803 - August Accelerated	MW-25	Sulfate*	NC	NC	80 - 120	NC	20
1408803 - August Accelerated	MW-25	Sulfate*	NC	NC	80 - 120	NC	20
1408803 - August Accelerated	MW-26	Sulfate*	NC	NC	80 - 120	NC	20
1408803 - August Accelerated	MW-26	Sulfate*	NC	NC	80 - 120	NC	20
1408803 - August Accelerated	MW-31	Sulfate*	NC	NC	80 - 120	NC	20
1408803 - August Accelerated	MW-31	Sulfate*	NC	NC	80 - 120	NC	20
1408803 - August Accelerated	MW-31	Chloride*	NC	NC	80 - 120	NC	20
1408803 - August Accelerated	N/A	Nitrate+Nitrite as N	65	83	80 - 120	24.3	20
1408803 - August Accelerated	MW-26	Nitrate+Nitrite as N	72	84	80 - 120	13.6	20
1408803 - August Accelerated	MW-31	Nitrate+Nitrite as N	77	92	80 - 120	9.35	20
1408803 - August Accelerated	N/A	Nitrate+Nitrite as N	76	87	80 - 120	9.13	20

* Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike amount

N/A = QC was not performed on an EFRI sample.

Laboratory Duplicate % Recovery Comparison

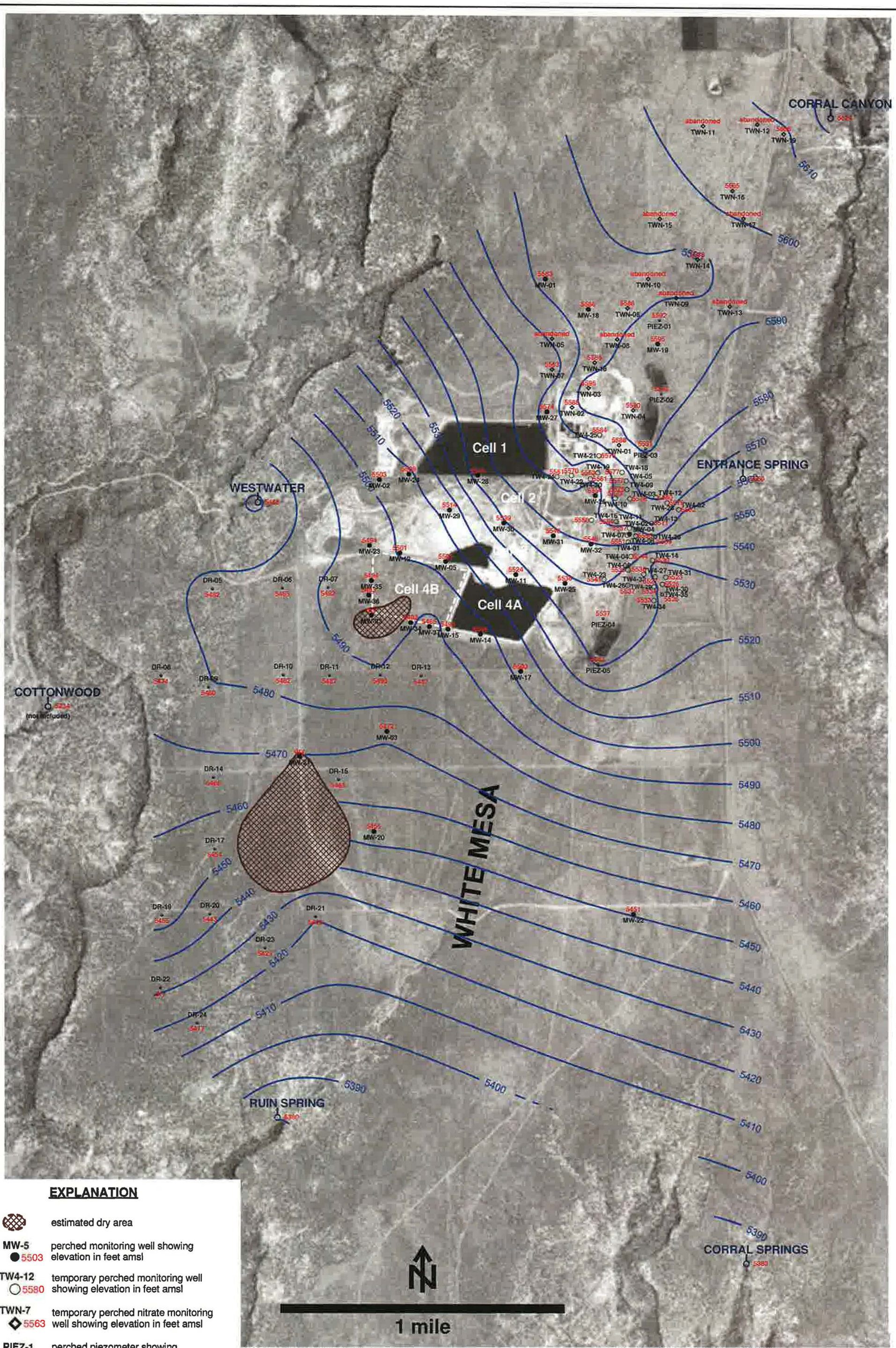
Lab Report	Well	Analyte	Sample Result (mg/L)	Lab Duplicate Result (mg/L)	RPD %	RPD Range %
355401 - July Accelerated	MW-35	Gross Alpha	4.7	3.28	35.6	20

Method Blank Detections

Lab Report	Well/Sample	Analyte	Reported Concentration	QAP Required RL
1407498	NA	Nitrate+Nitrite as N	0.04	0.1 mg/L
1407498	NA	TDS	6.00	10 mg/L
1408803	NA	Nitrate+Nitrite as N	0.06	0.1 mg/L
1408803	NA	Nitrate+Nitrite as N	0.04	0.1 mg/L
1408803	NA	Nitrate+Nitrite as N	0.04	0.1 mg/L
1408803	NA	TDS	2.00	10 mg/L

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

EXPLANATION

- estimated dry area
- **MW-5** ● 5503 — perched monitoring well showing elevation in feet amsl
- **TW4-12** ○ 5580 — temporary perched monitoring well showing elevation in feet amsl
- **TWN-7** ◇ 5563 — temporary perched nitrate monitoring well showing elevation in feet amsl
- **PIEZ-1** ⊖ 5592 — perched piezometer showing elevation in feet amsl
- **TW4-35** ✲ 5526 — temporary perched monitoring well installed May, 2014 showing elevation in feet amsl
- **RUIN SPRING** 5380 — seep or spring showing elevation in feet amsl

HYDRO GEO CHEM, INC.

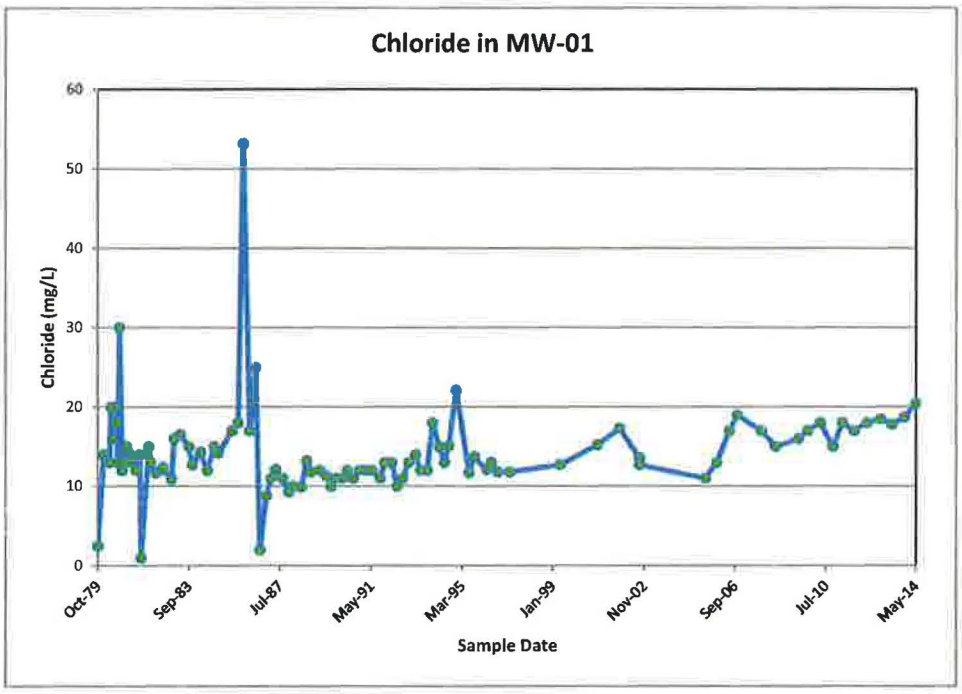
KRIGED 3rd QUARTER, 2014 WATER LEVELS WHITE MESA SITE

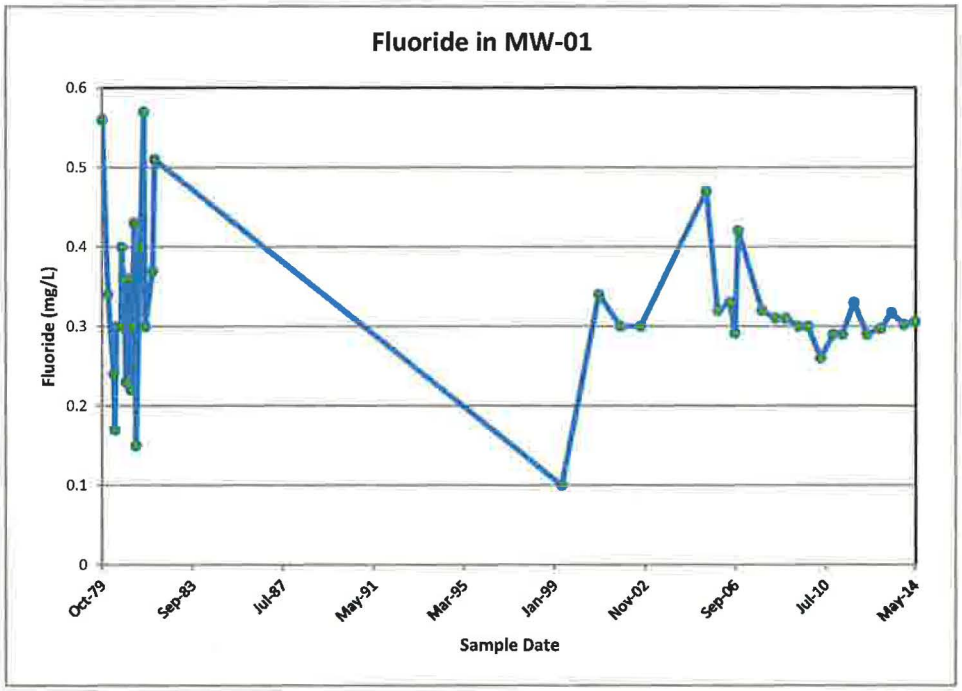
APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov14/Uwl0914.srf	H-1

Tab I

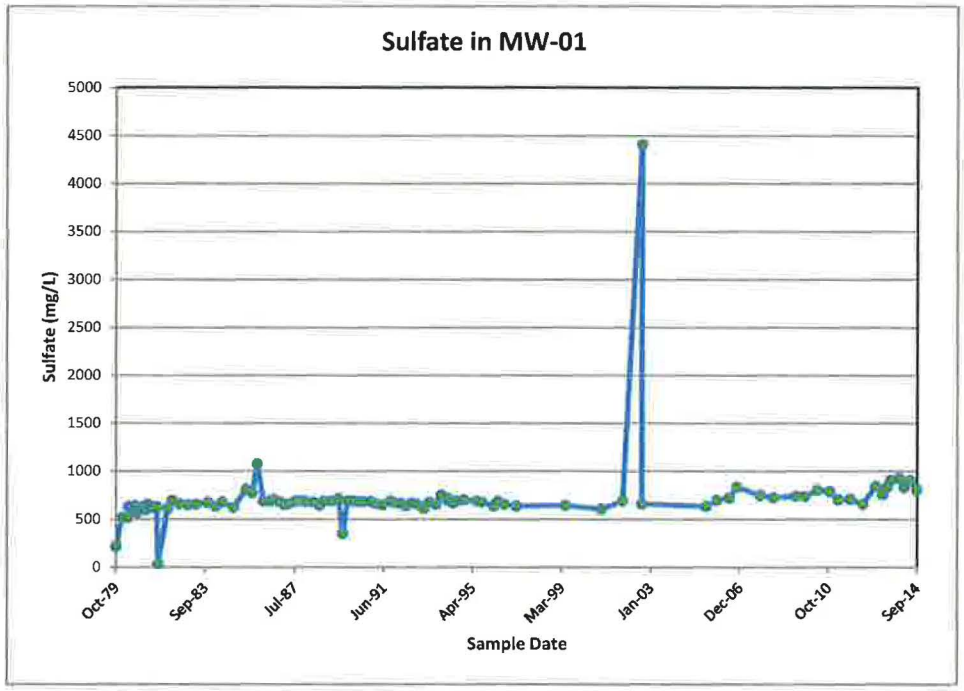
Groundwater Time Concentration Plots

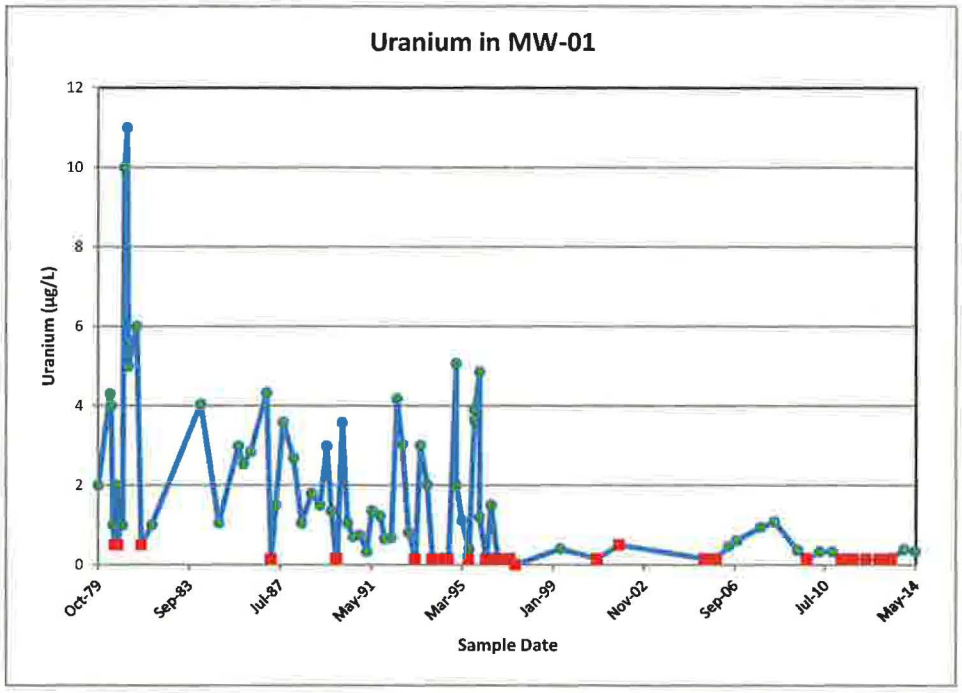
Time concentration plots for MW-01





Time concentration plots for MW-01

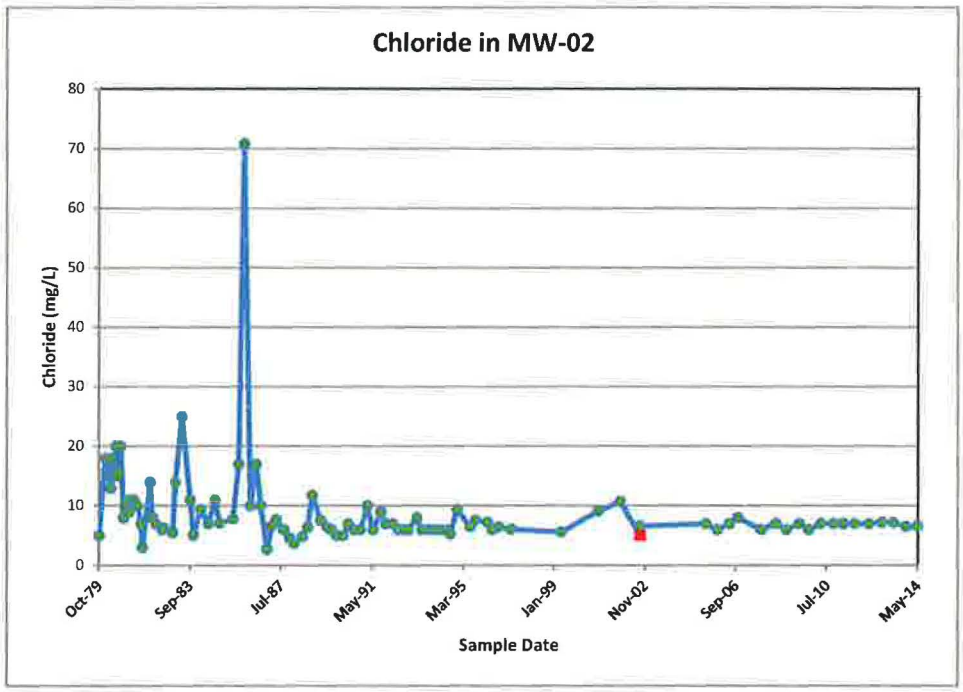


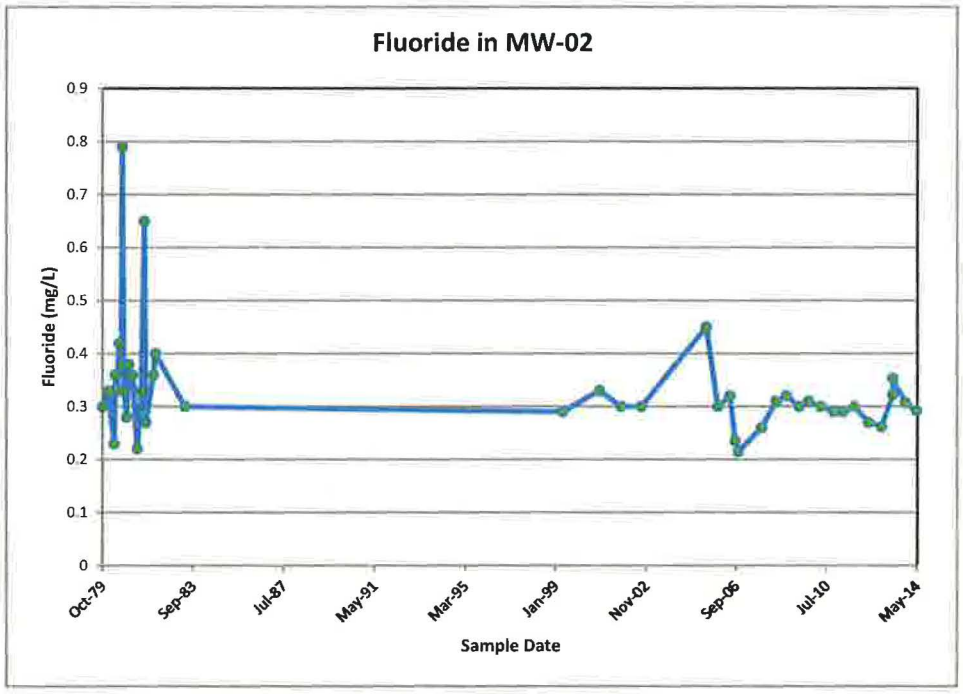


Detected Values

Non-Detected Values

Time concentration plots for MW-02

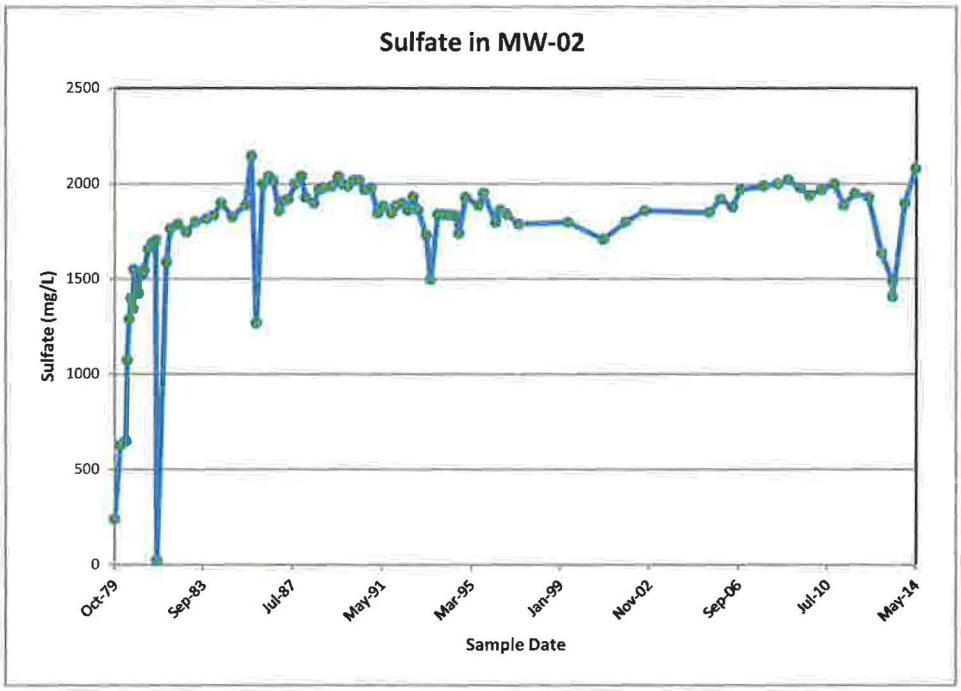


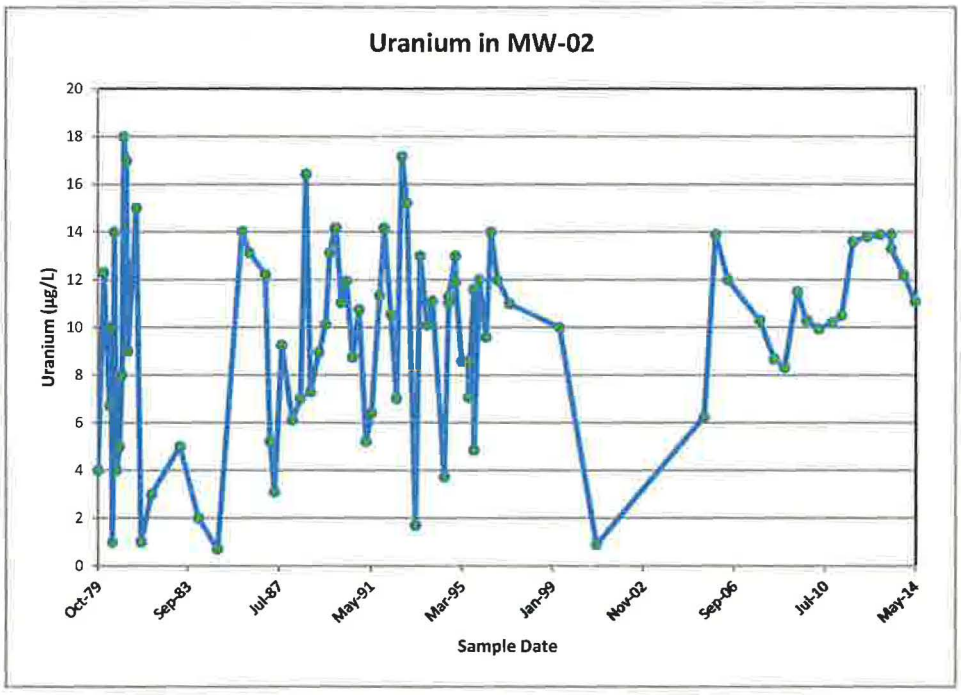


Detected Values

Non-Detected Values

Time concentration plots for MW-02

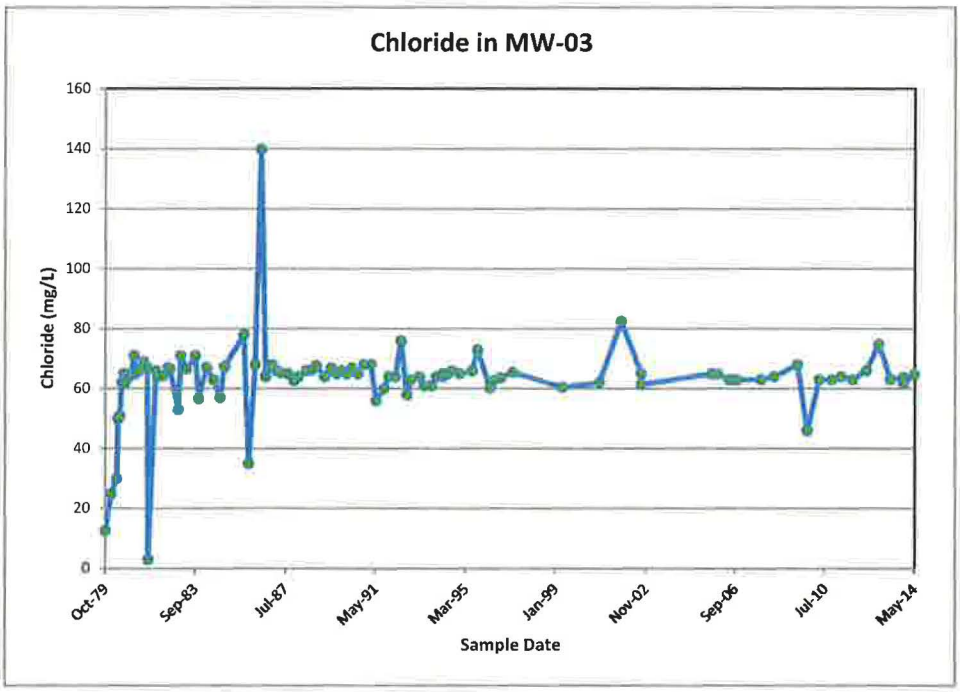


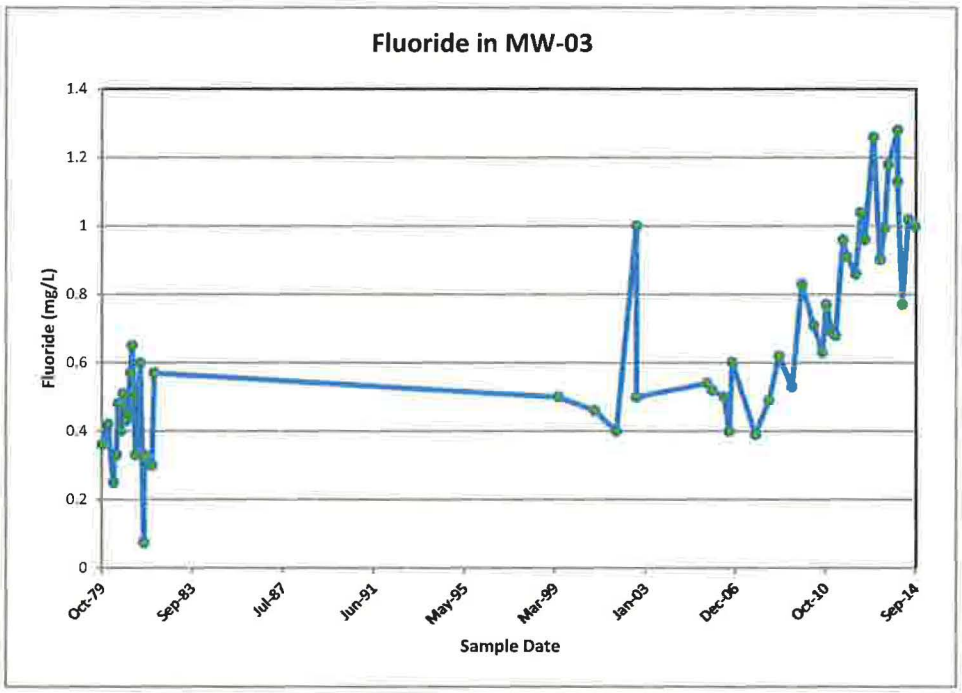


Detected Values

Non-Detected Values

Time concentration plots for MW-03

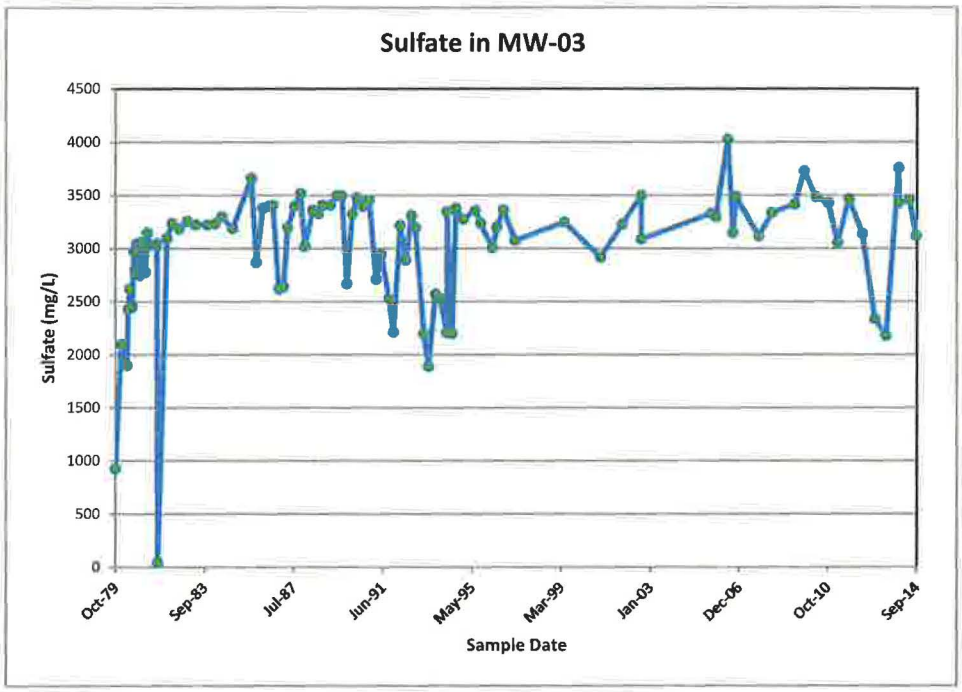


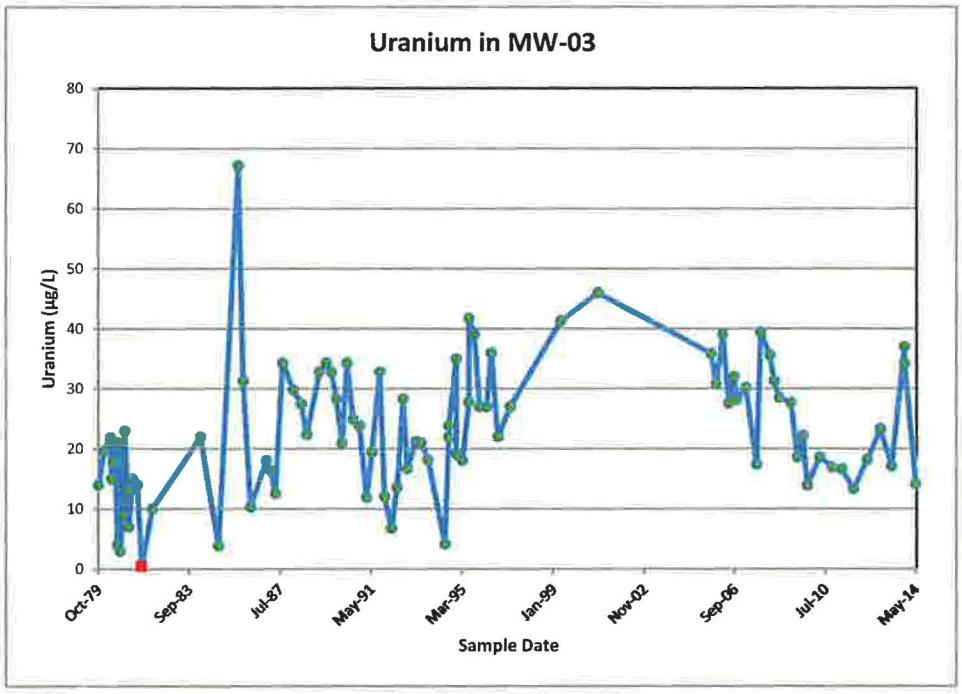


Detected Values

Non-Detected Values

Time concentration plots for MW-03

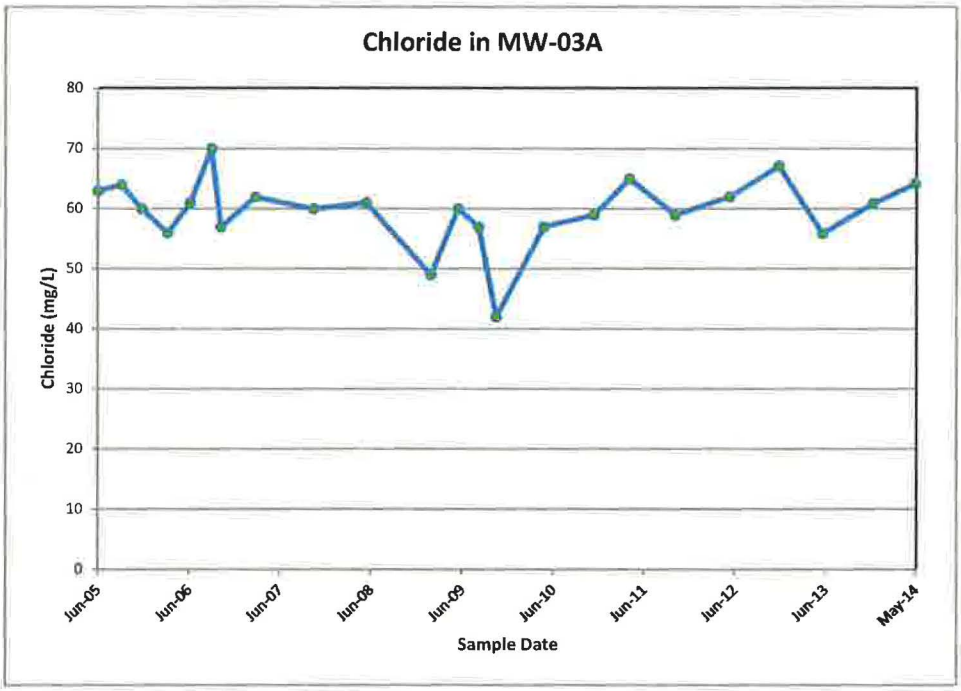


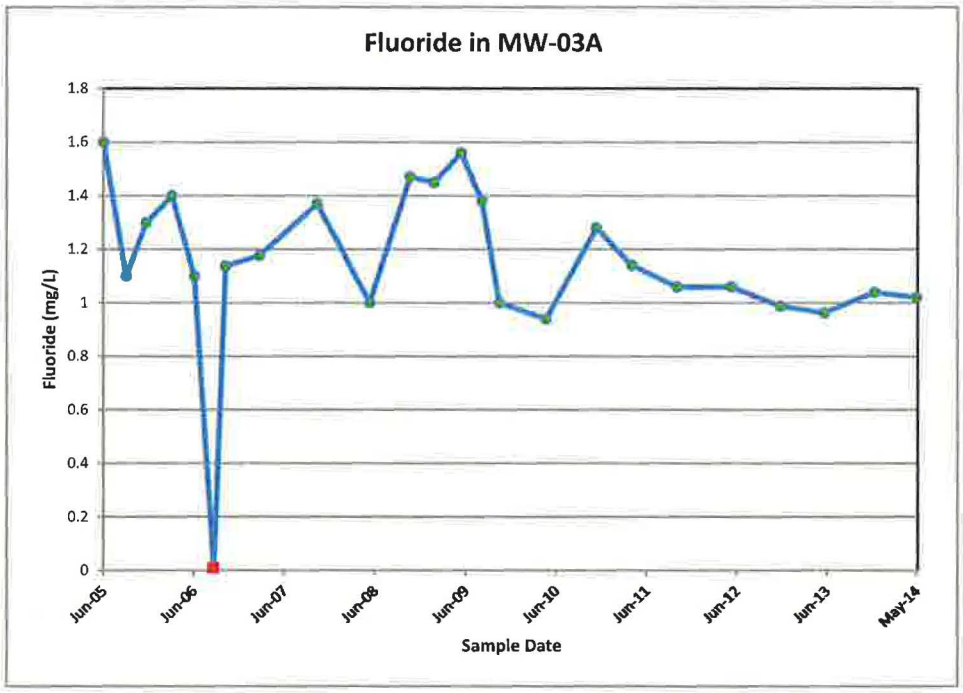


Detected Values

Non-Detected Values

Time concentration plots for MW-03A

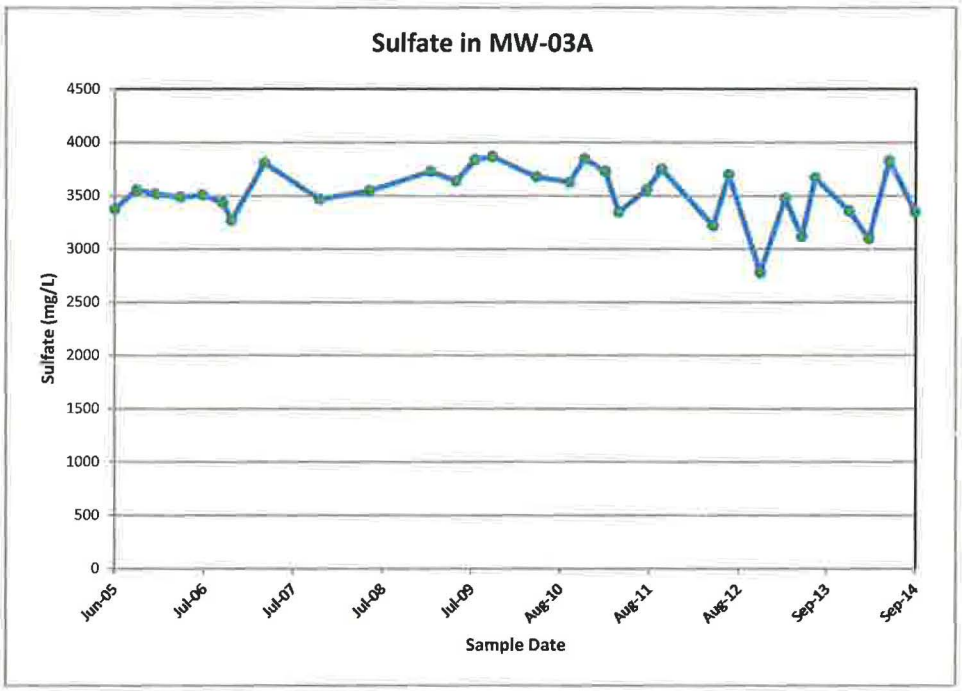


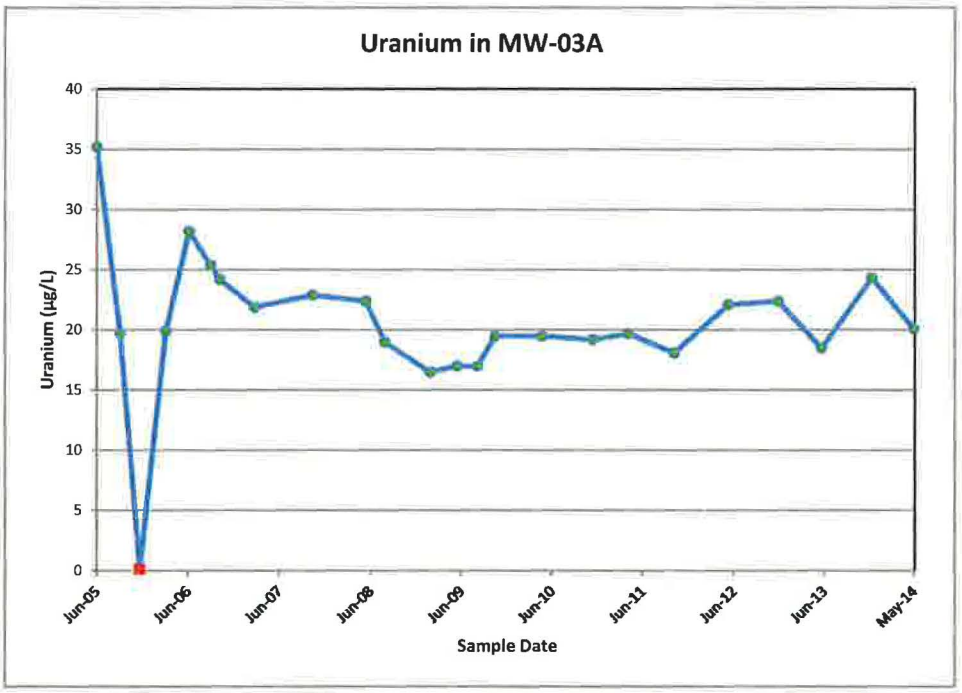


Detected Values

Non-Detected Values

Time concentration plots for MW-03A

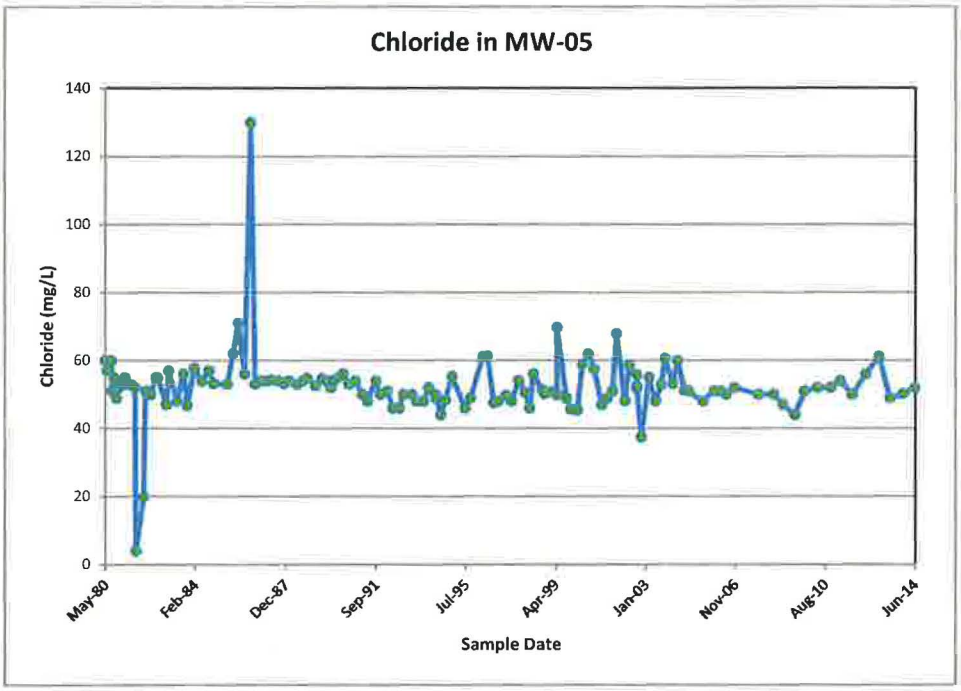


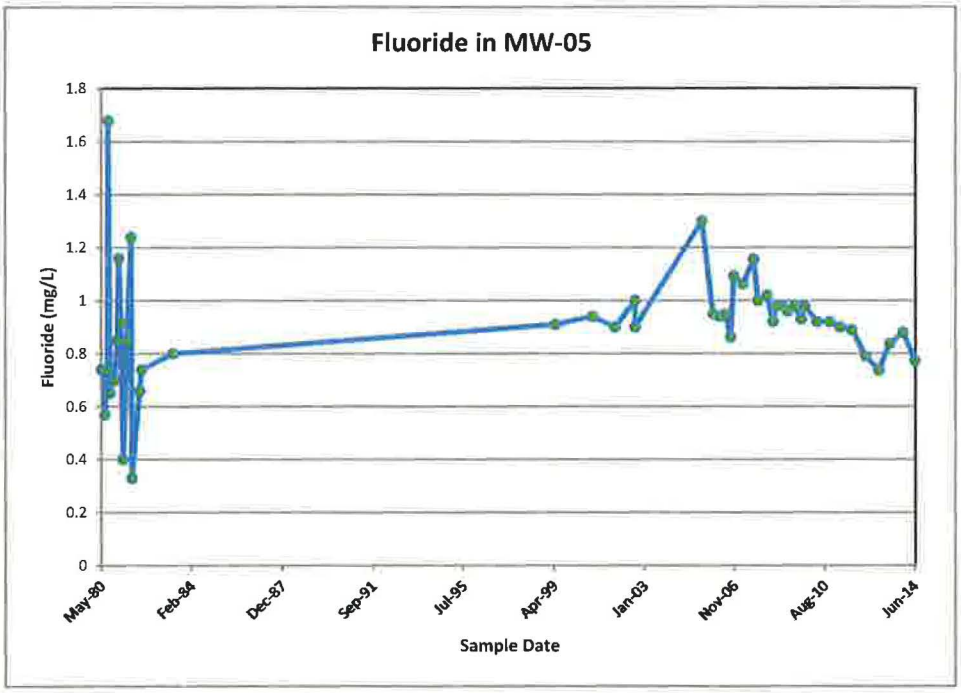


Detected Values

Non-Detected Values

Time concentration plots for MW-05

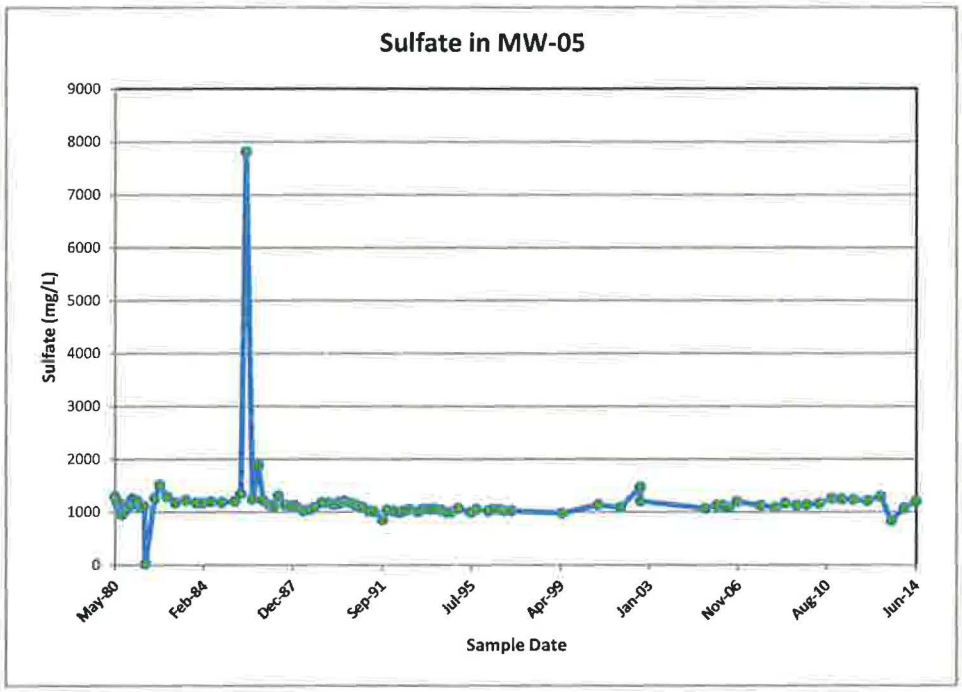


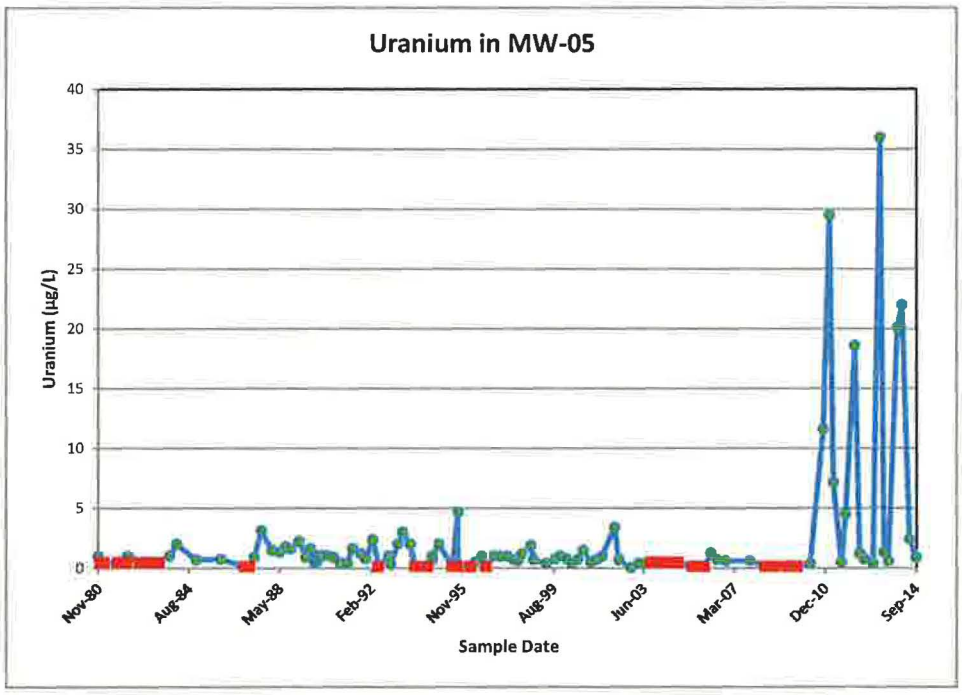


Detected Values

Non-Detected Values

Time concentration plots for MW-05

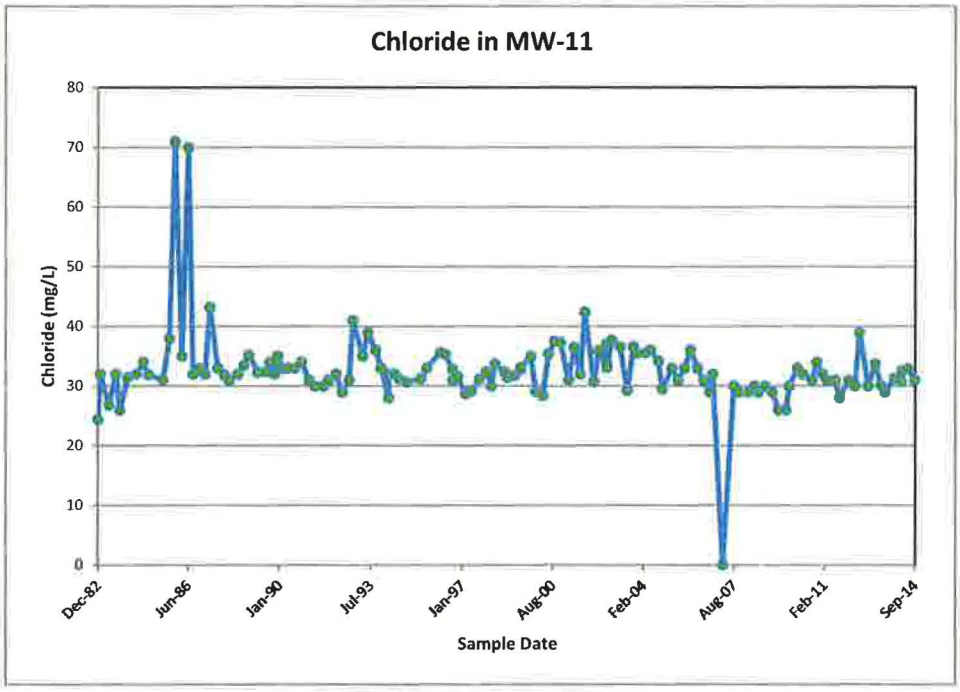


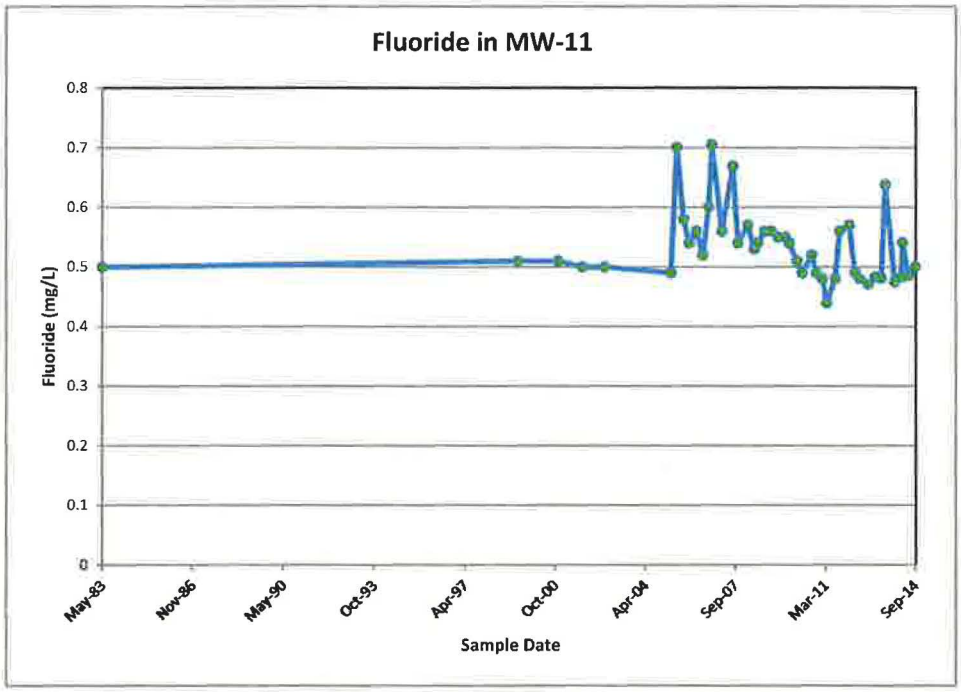


Detected Values

Non-Detected Values

Time concentration plots for MW-11

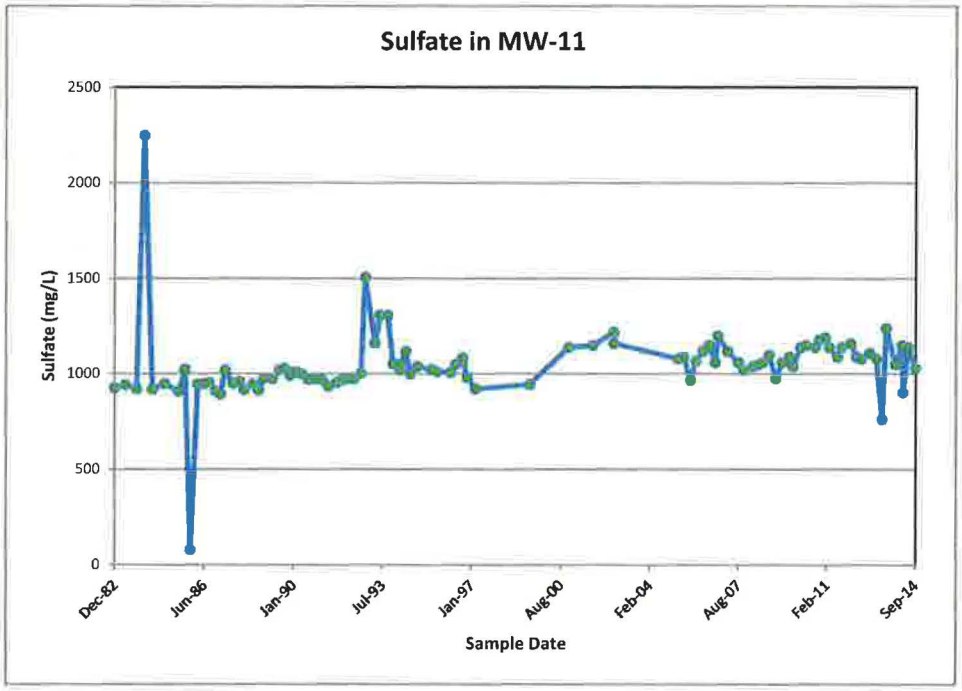


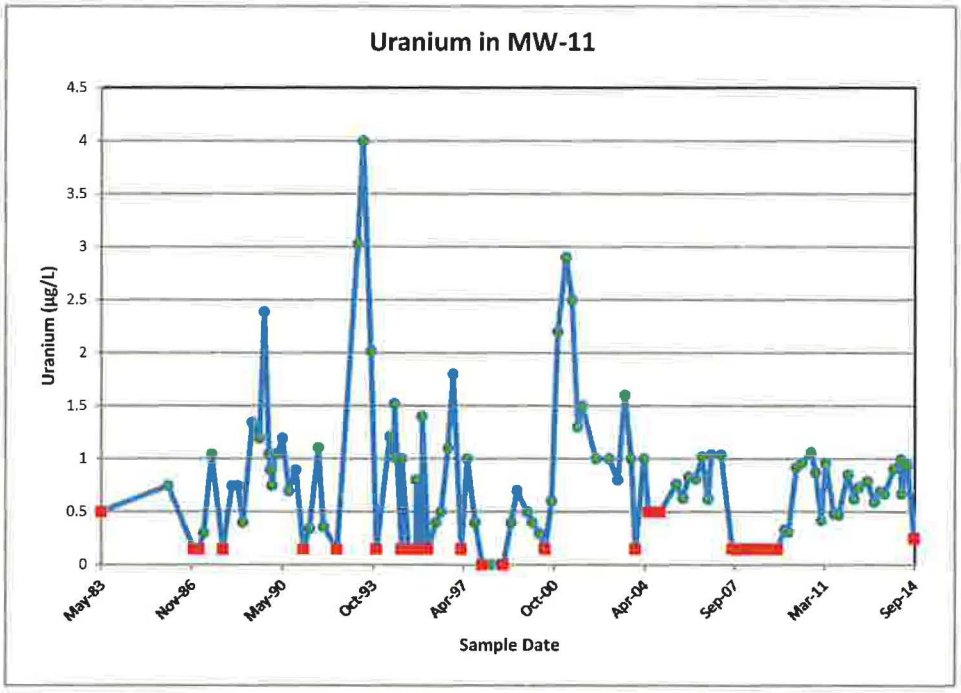


Detected Values

Non-Detected Values

Time concentration plots for MW-11

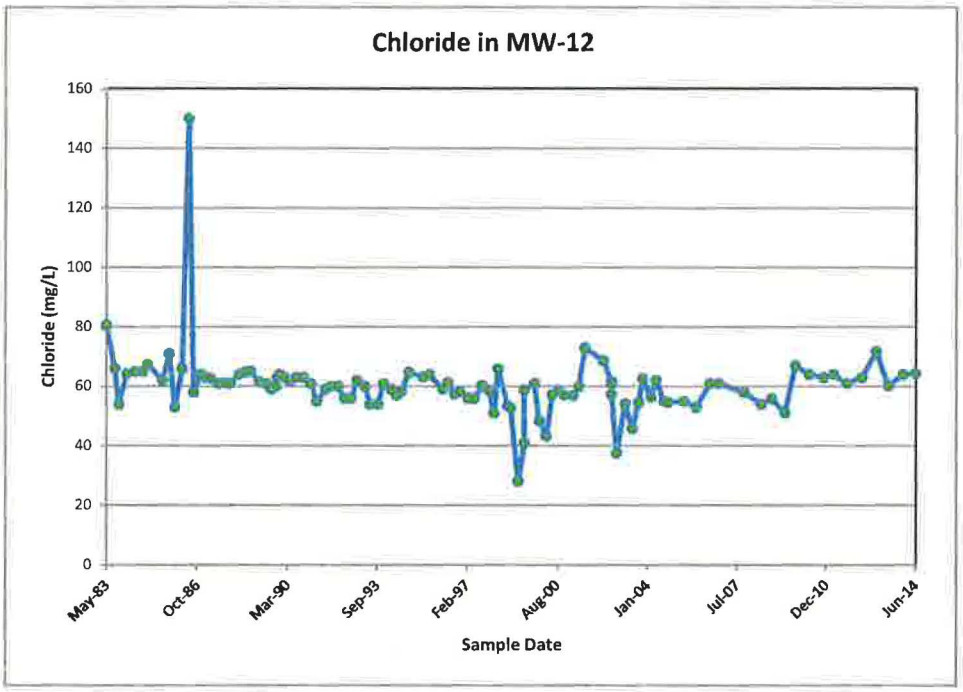


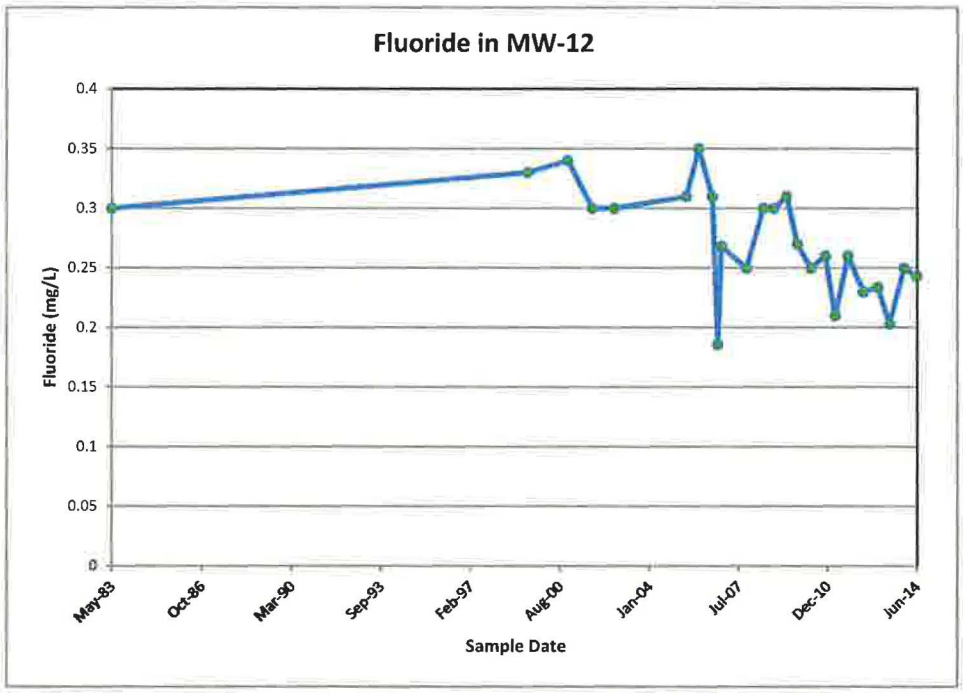


Detected Values

Non-Detected Values

Time concentration plots for MW-12

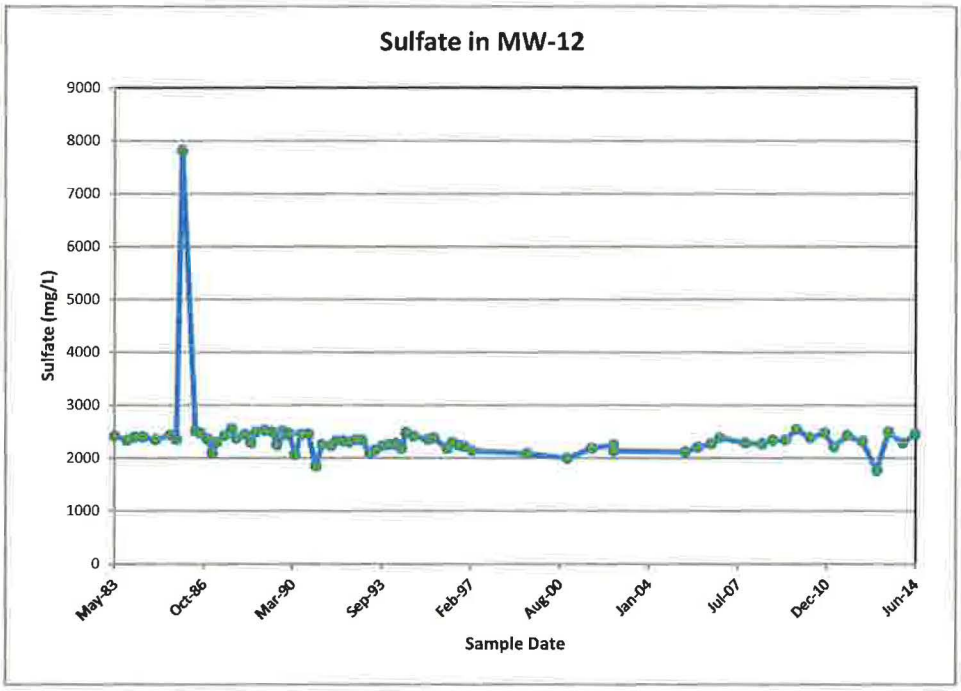


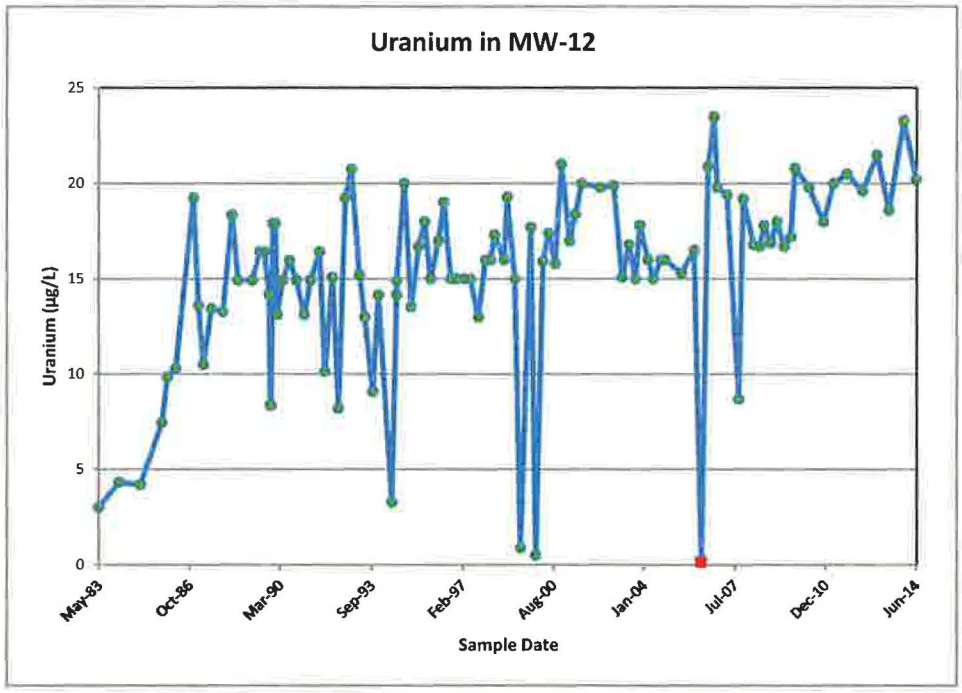


Detected Values

Non-Detected Values

Time concentration plots for MW-12

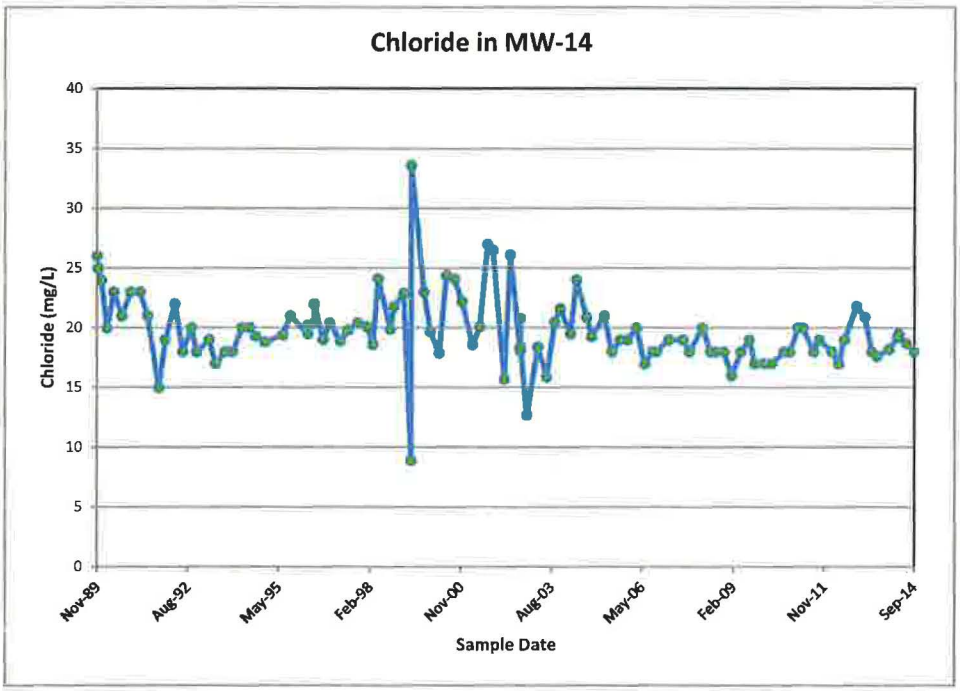


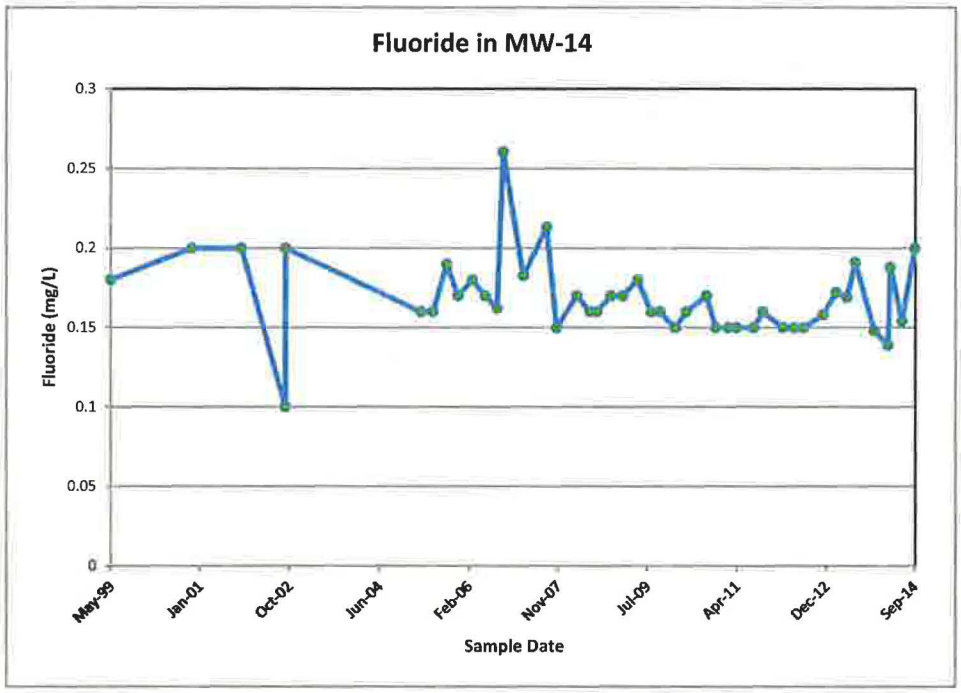


Detected Values

Non-Detected Values

Time concentration plots for MW-14

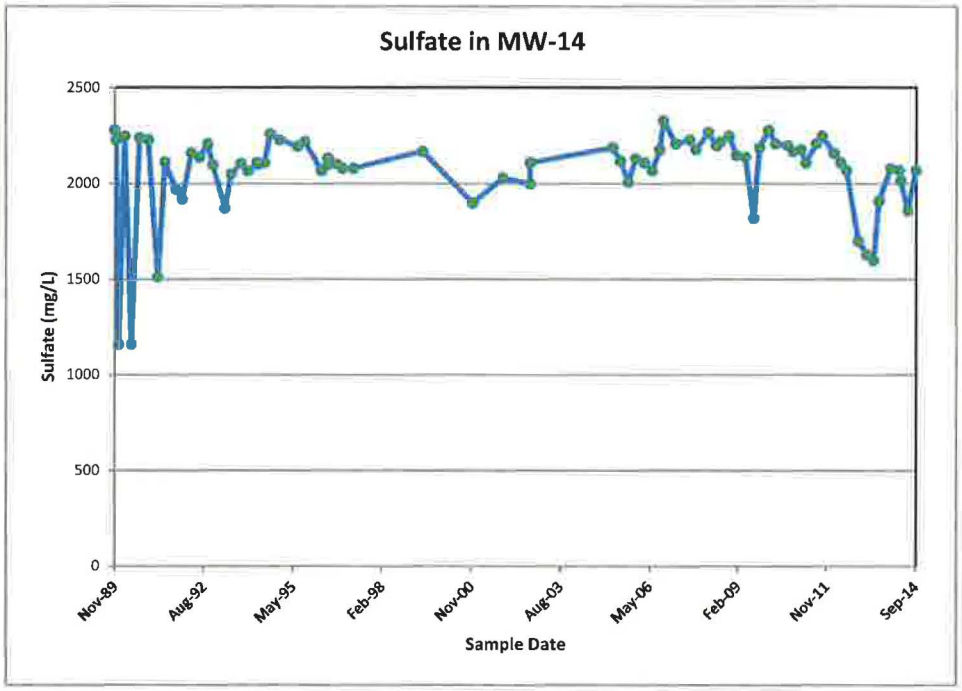


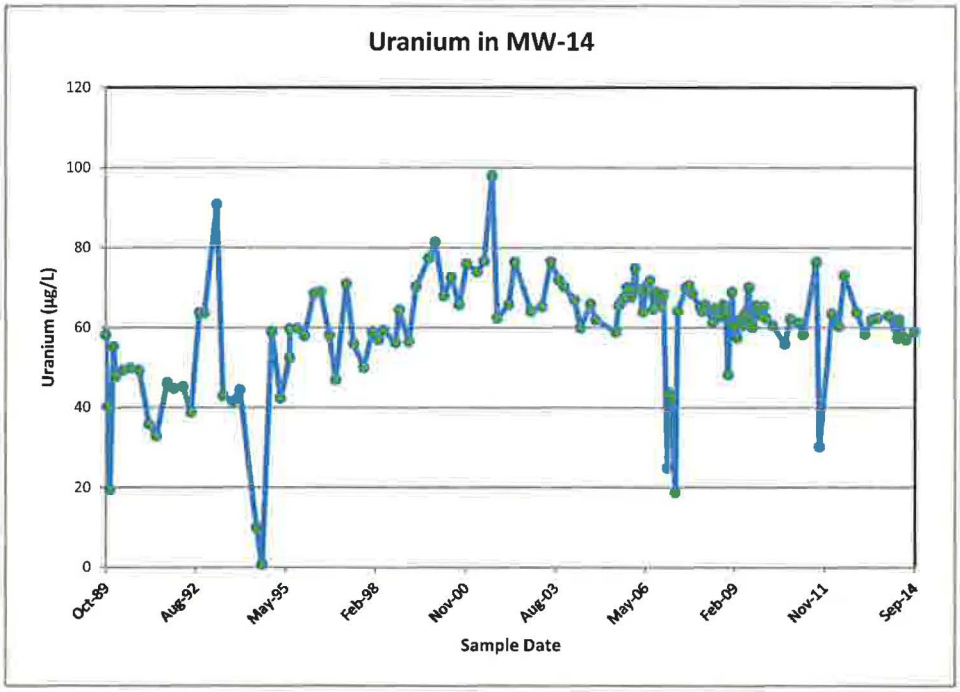


Detected Values

Non-Detected Values

Time concentration plots for MW-14

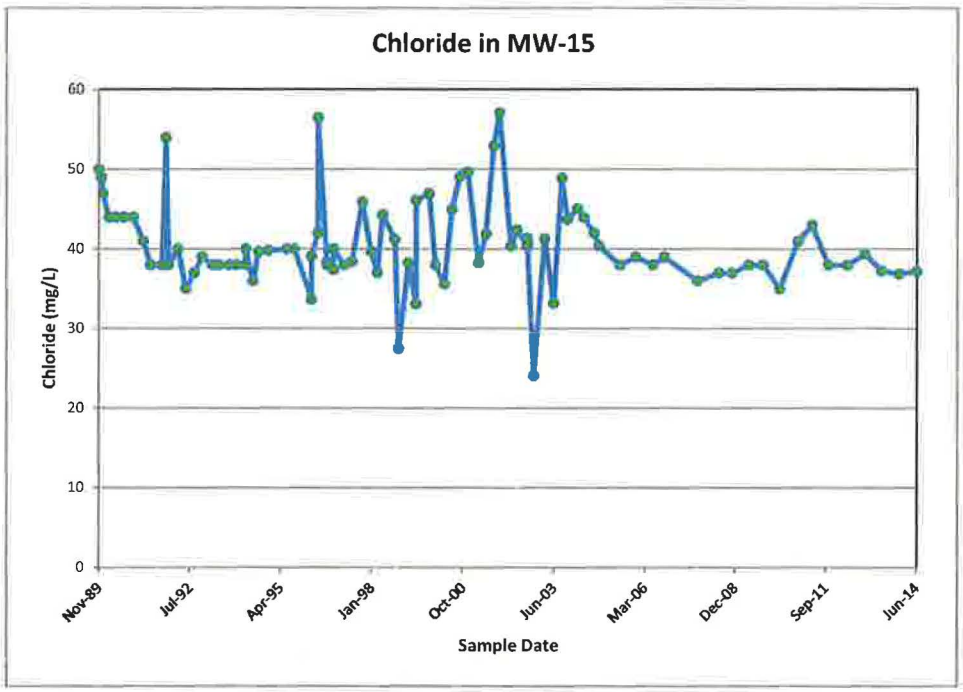


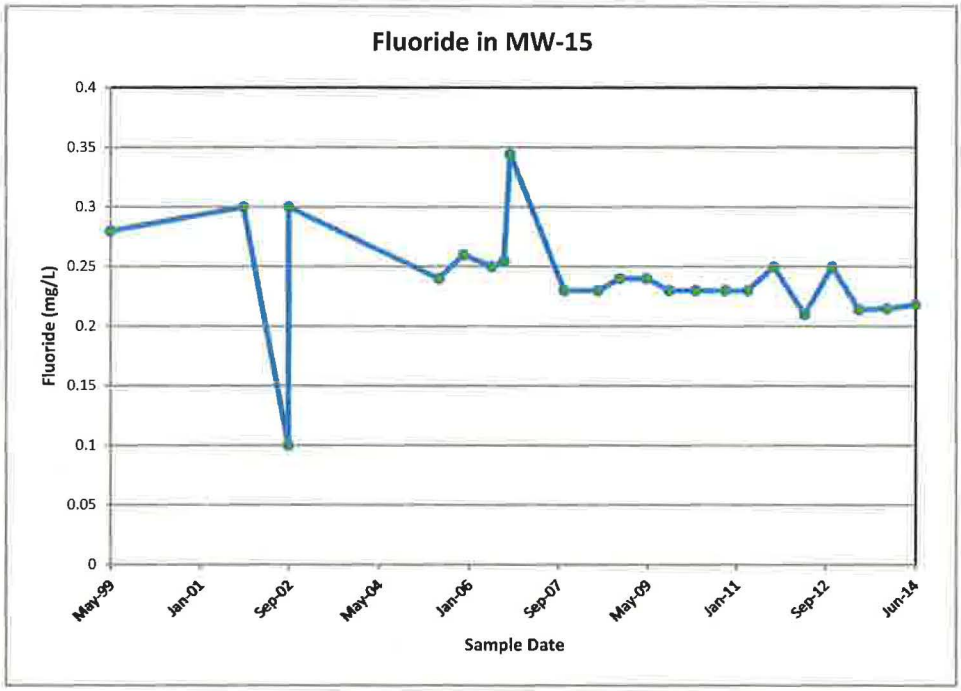


Detected Values

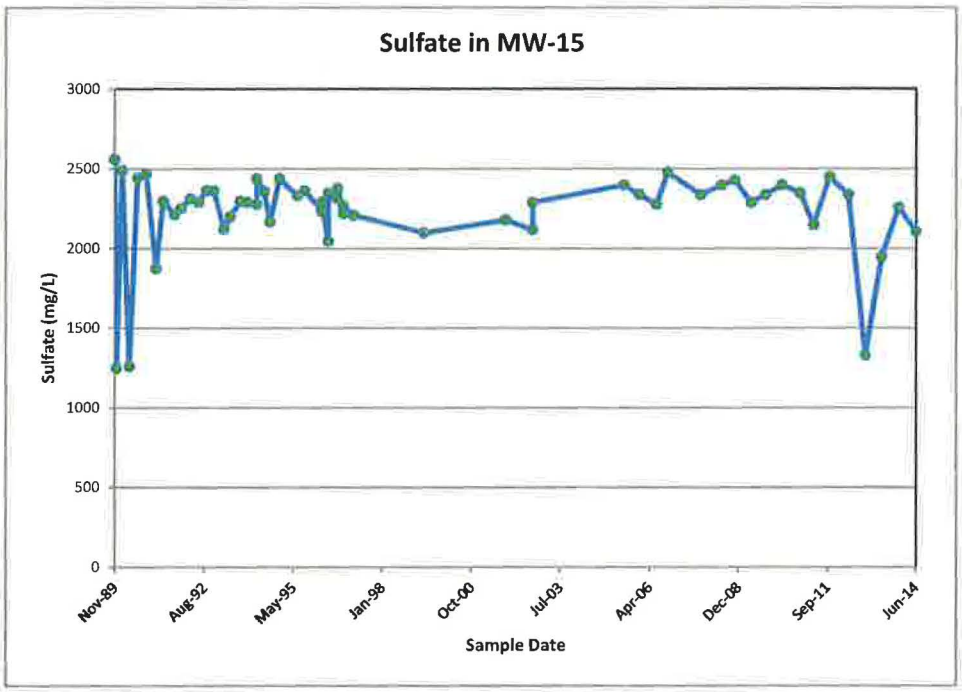
Non-Detected Values

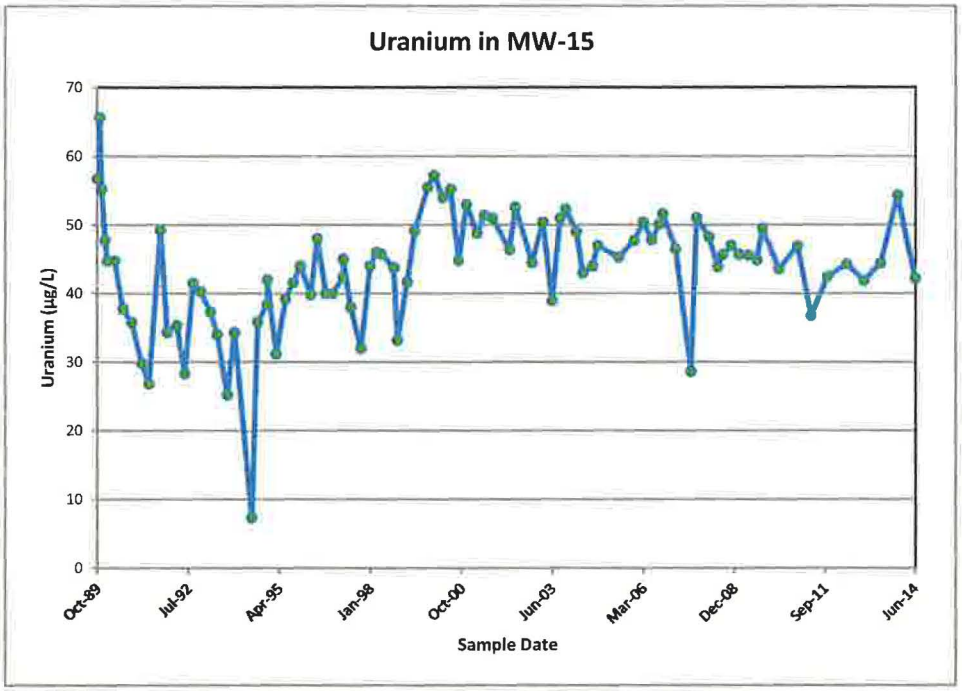
Time concentration plots for MW-15





Time concentration plots for MW-15

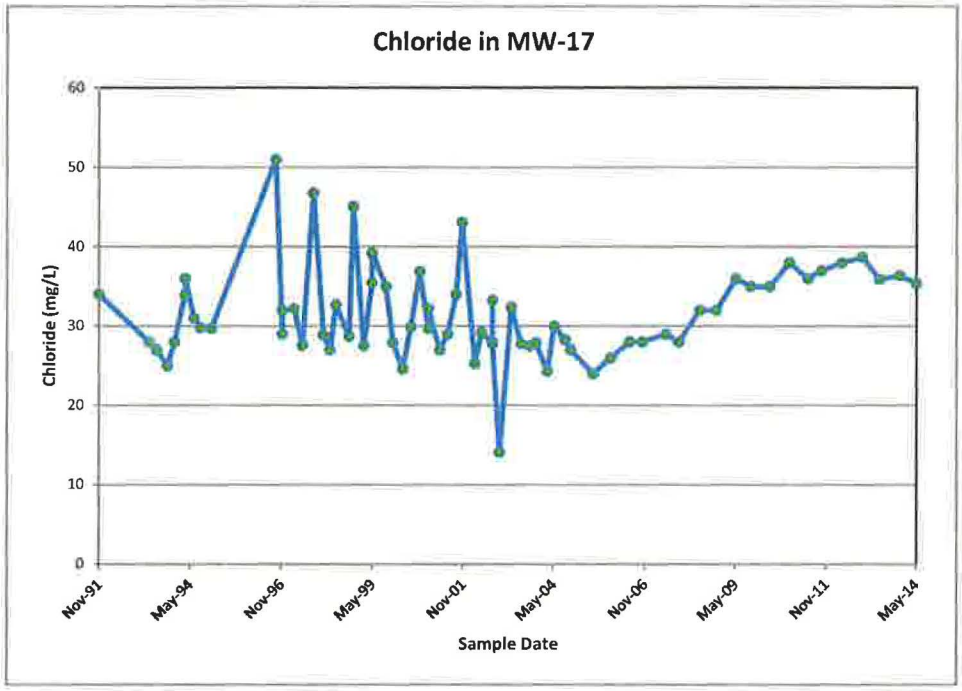


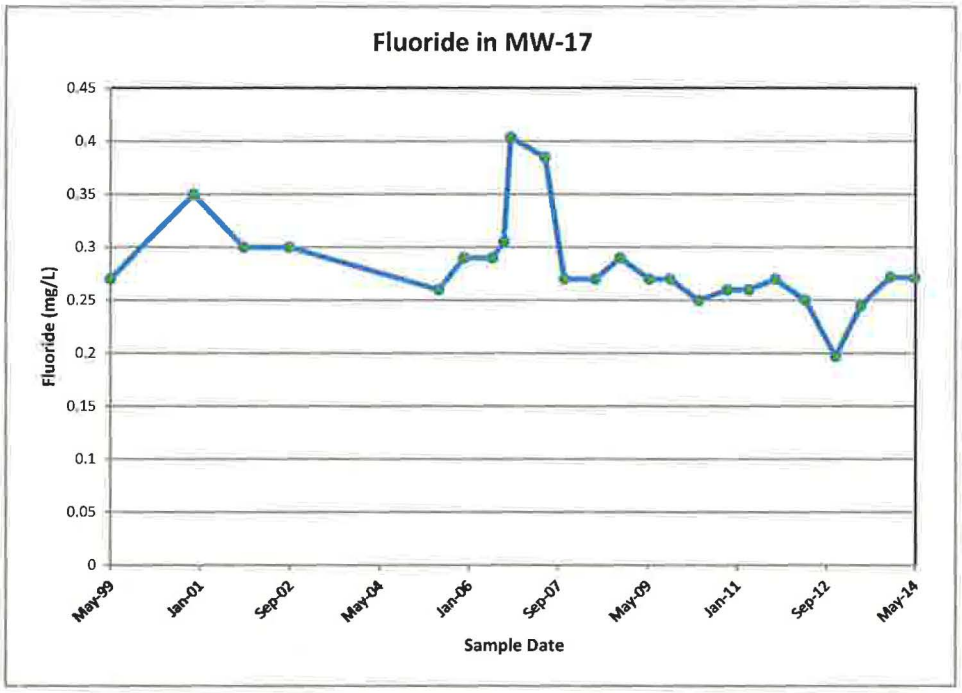


Detected Values

Non-Detected Values

Time concentration plots for MW-17

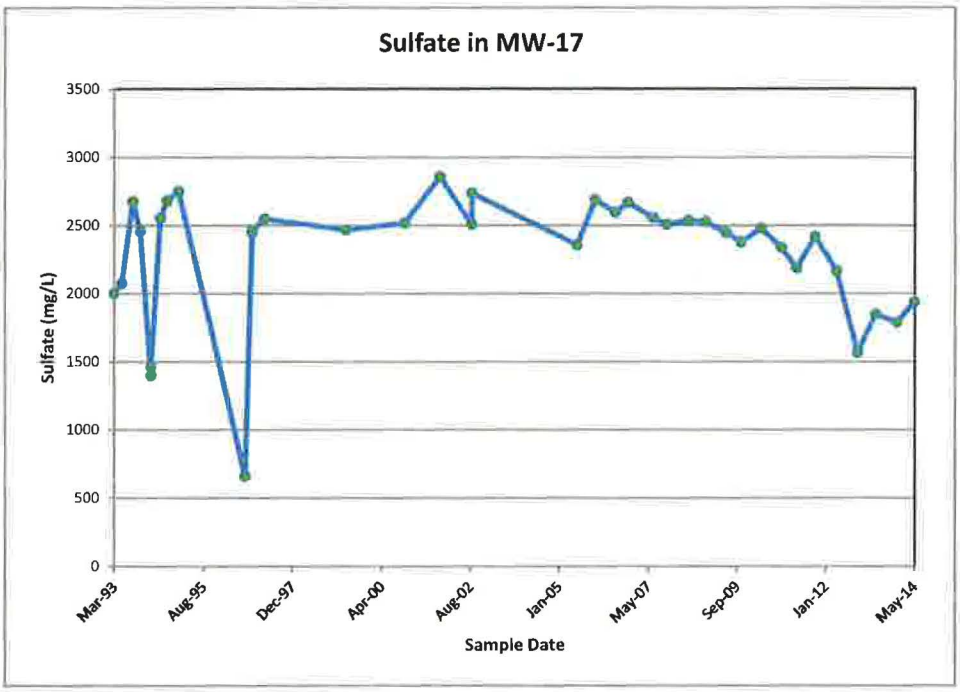


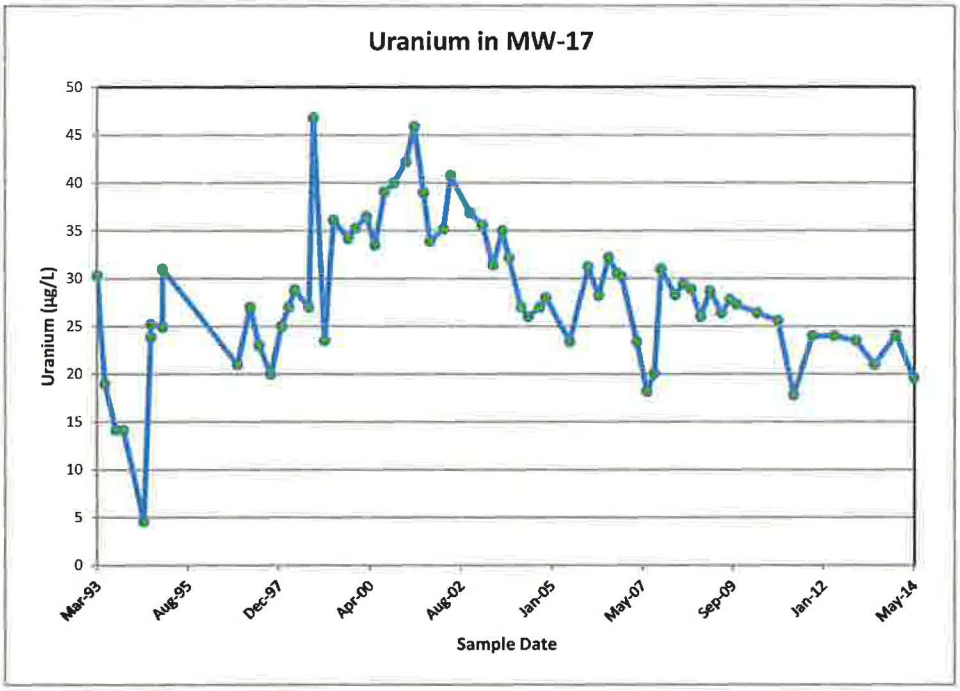


Detected Values

Non-Detected Values

Time concentration plots for MW-17

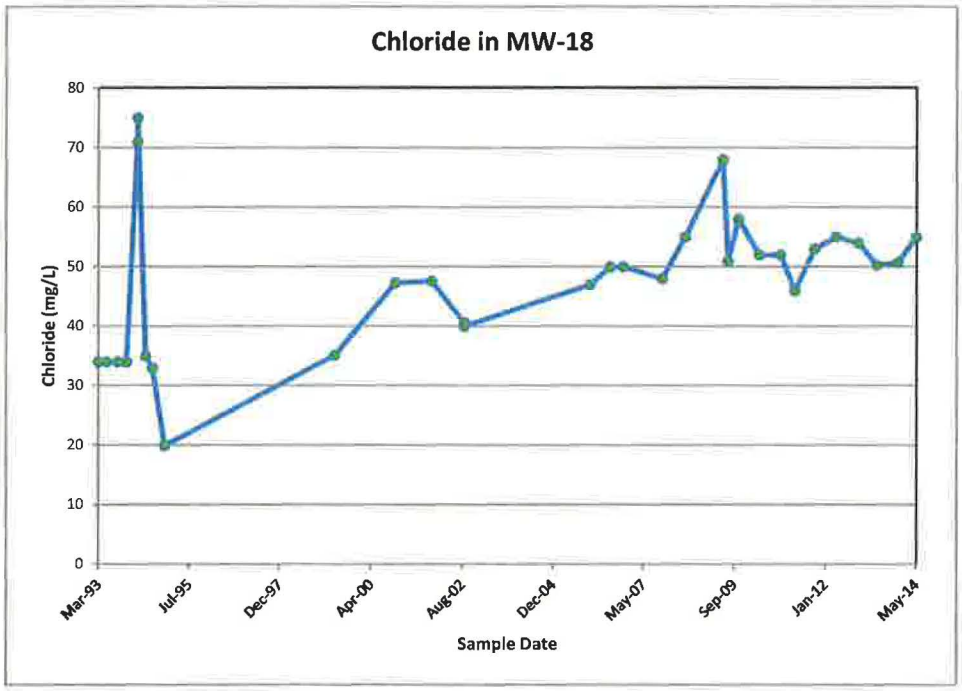


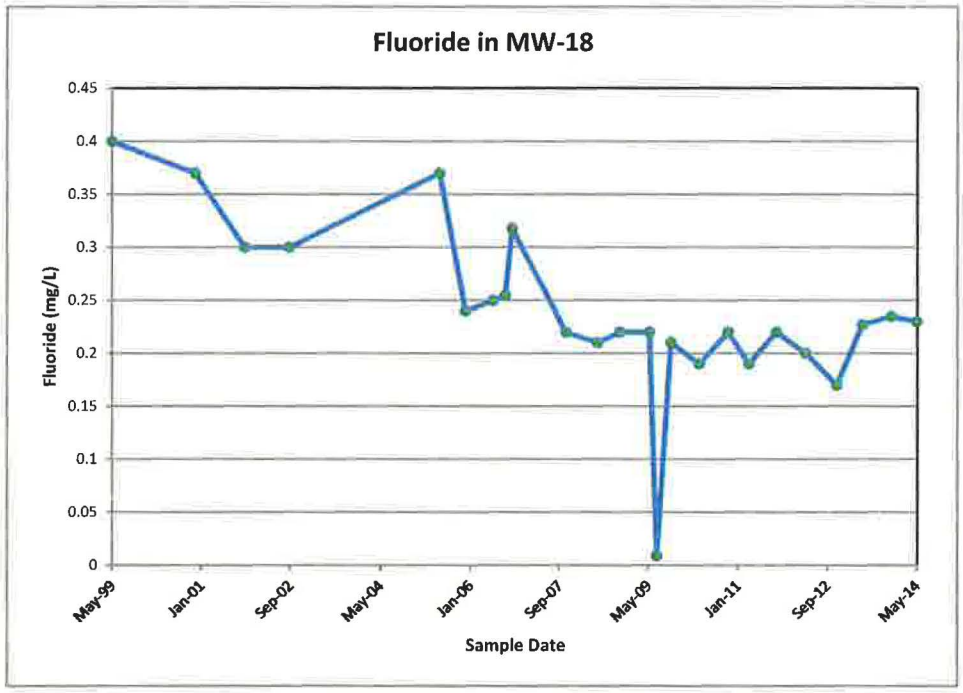


Detected Values

Non-Detected Values

Time concentration plots for MW-18

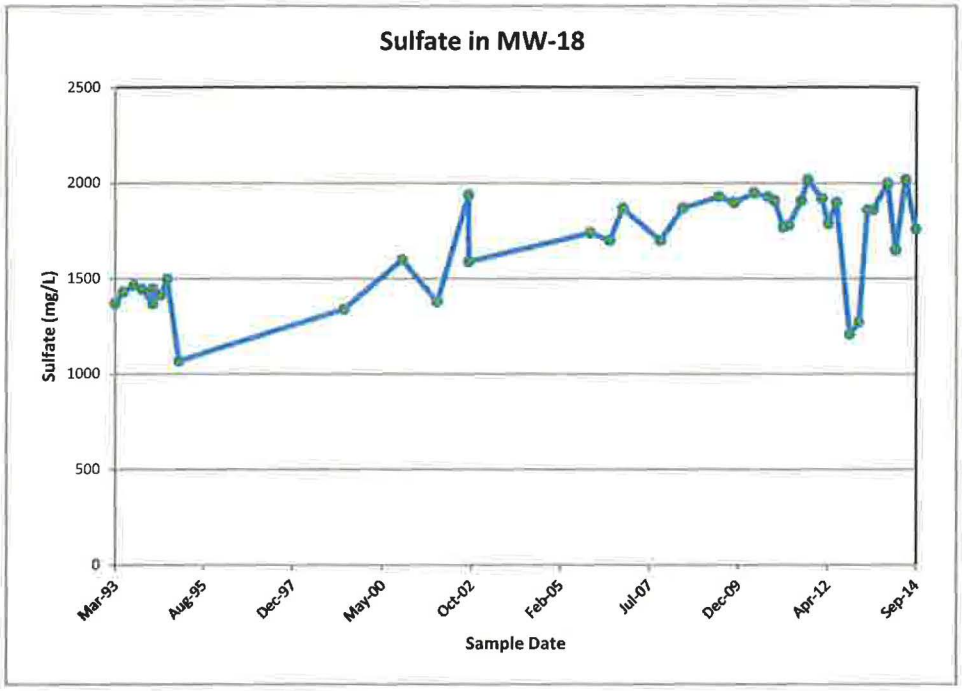


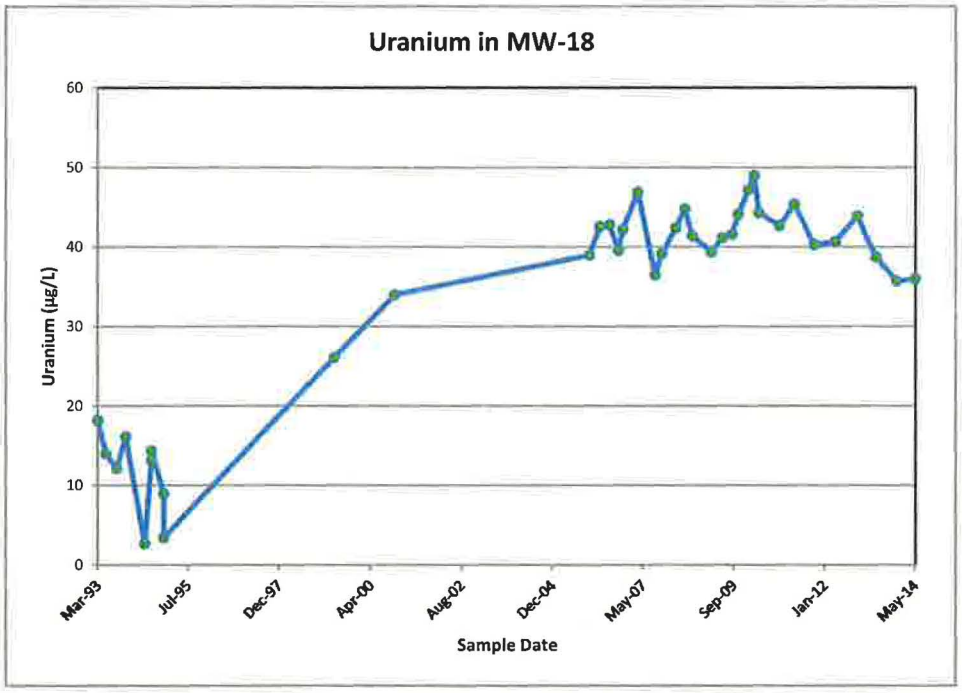


Detected Values

Non-Detected Values

Time concentration plots for MW-18

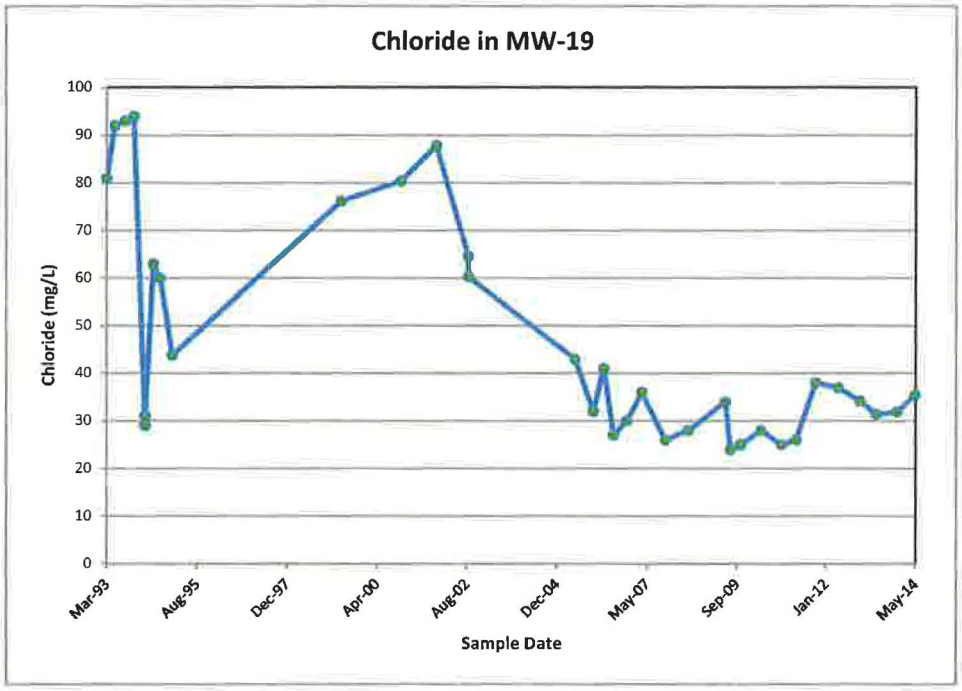


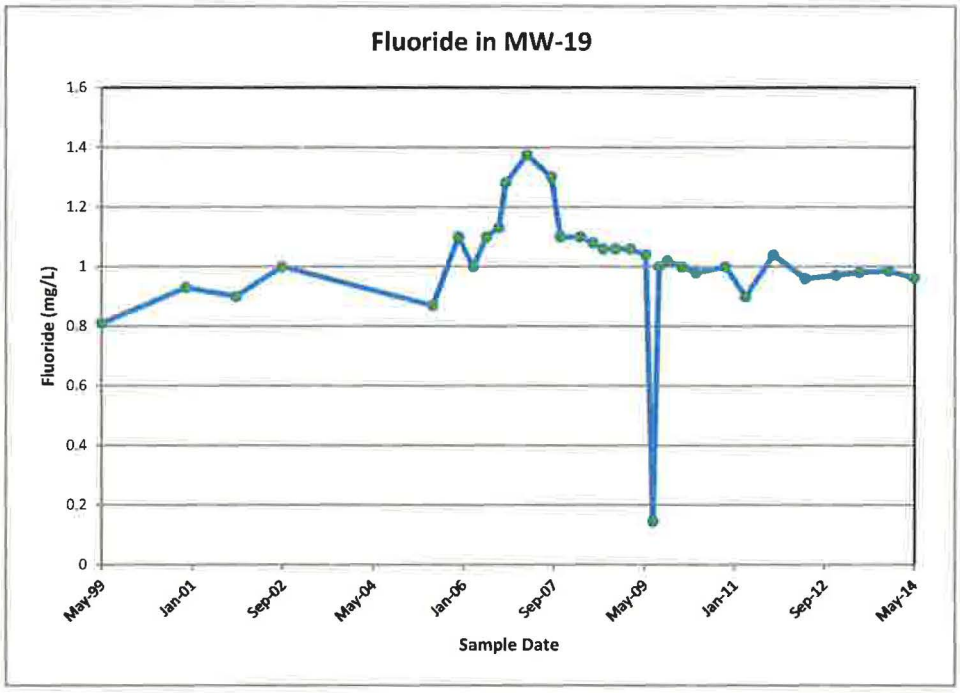


Detected Values

Non-Detected Values

Time concentration plots for MW-19

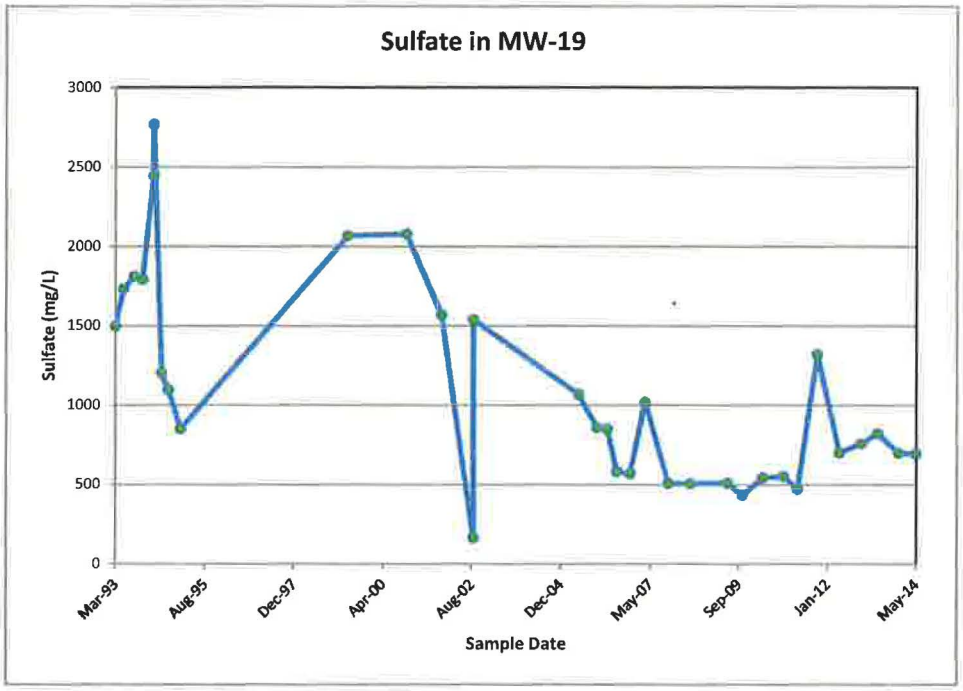


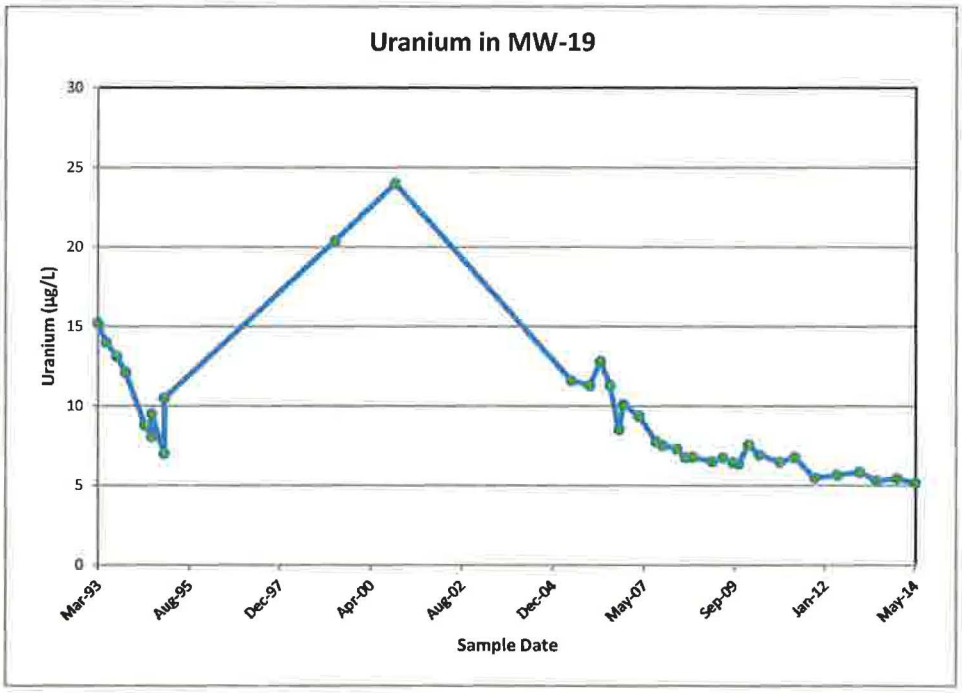


Detected Values

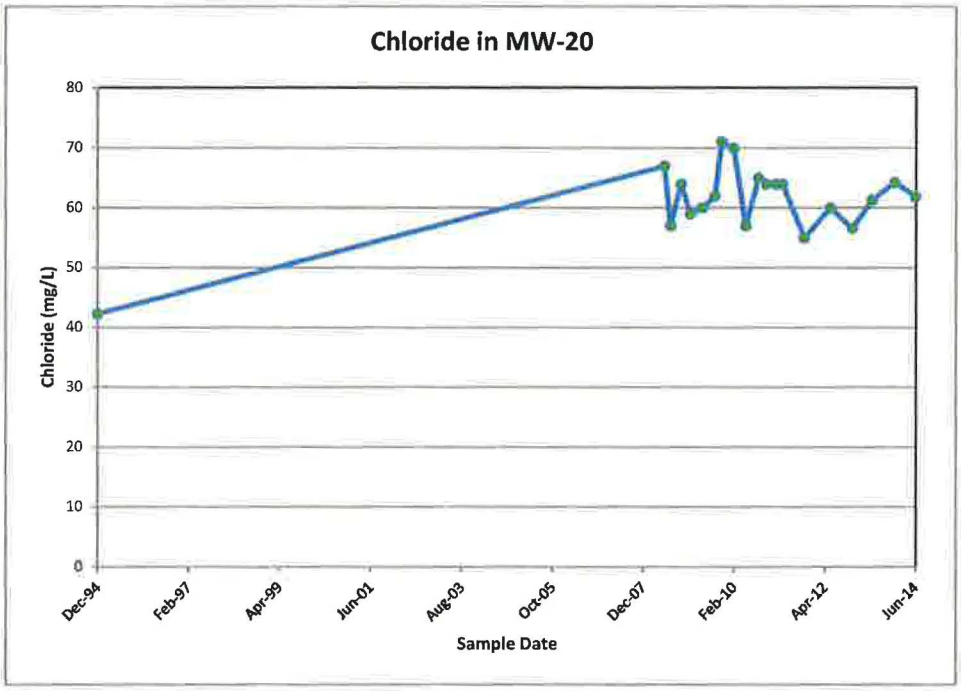
Non-Detected Values

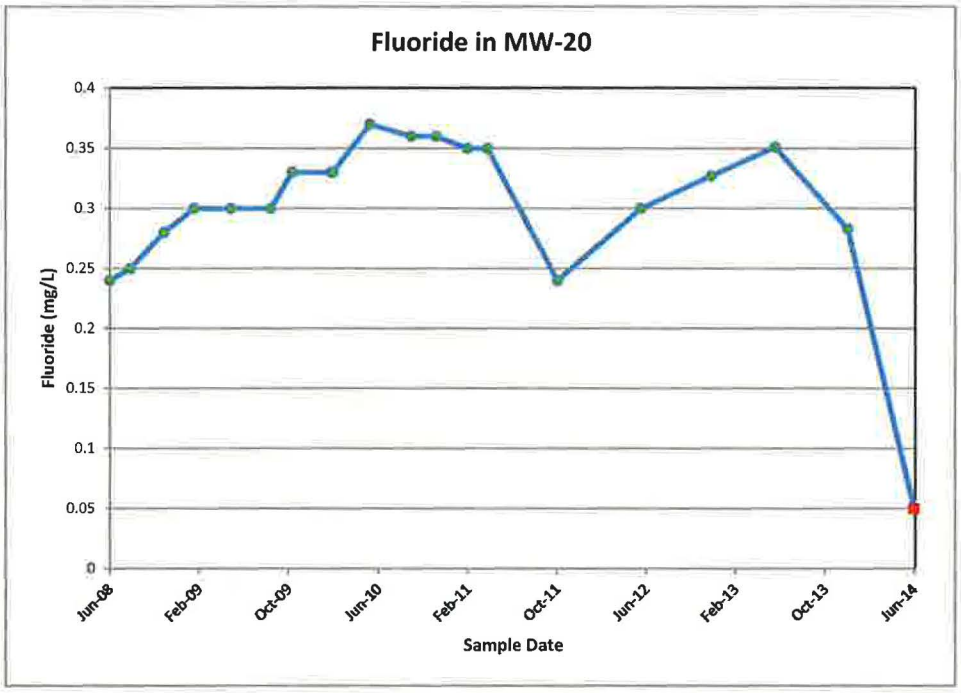
Time concentration plots for MW-19





Time concentration plots for MW-20

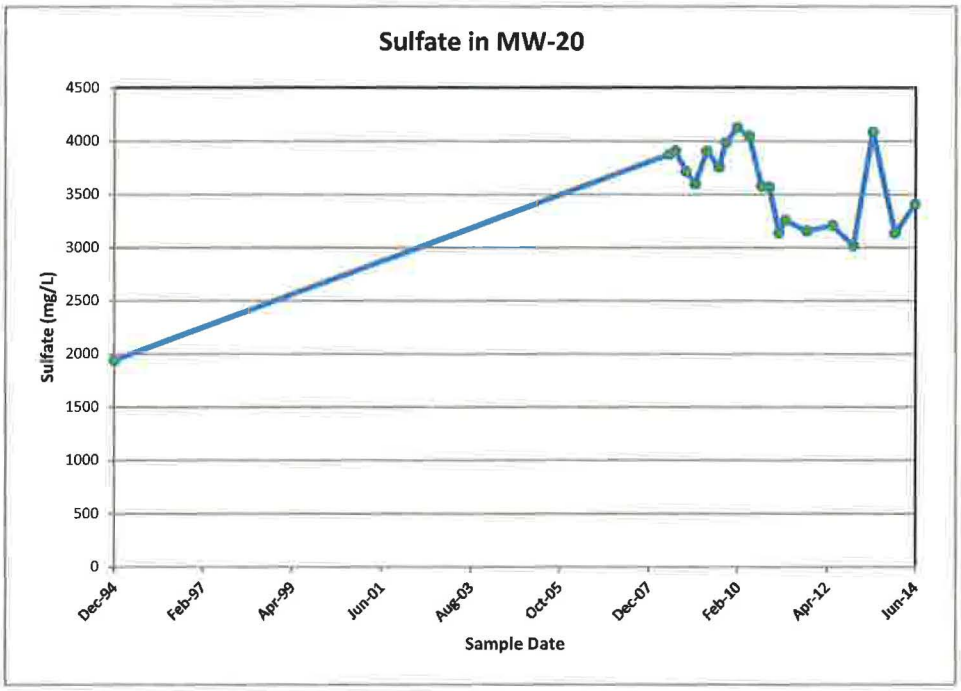


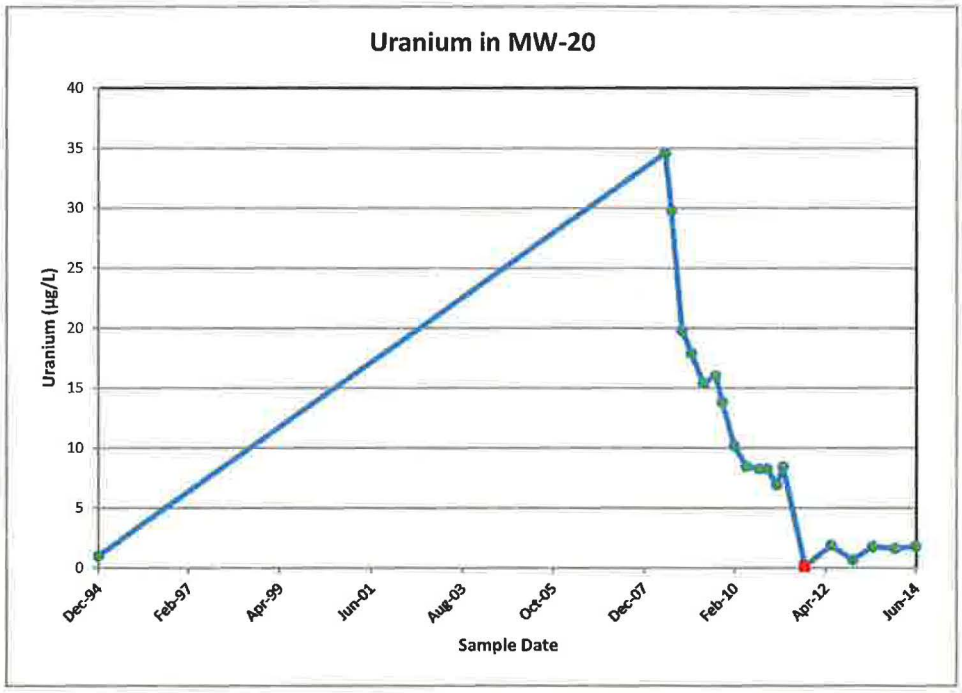


Detected Values

Non-Detected Values

Time concentration plots for MW-20

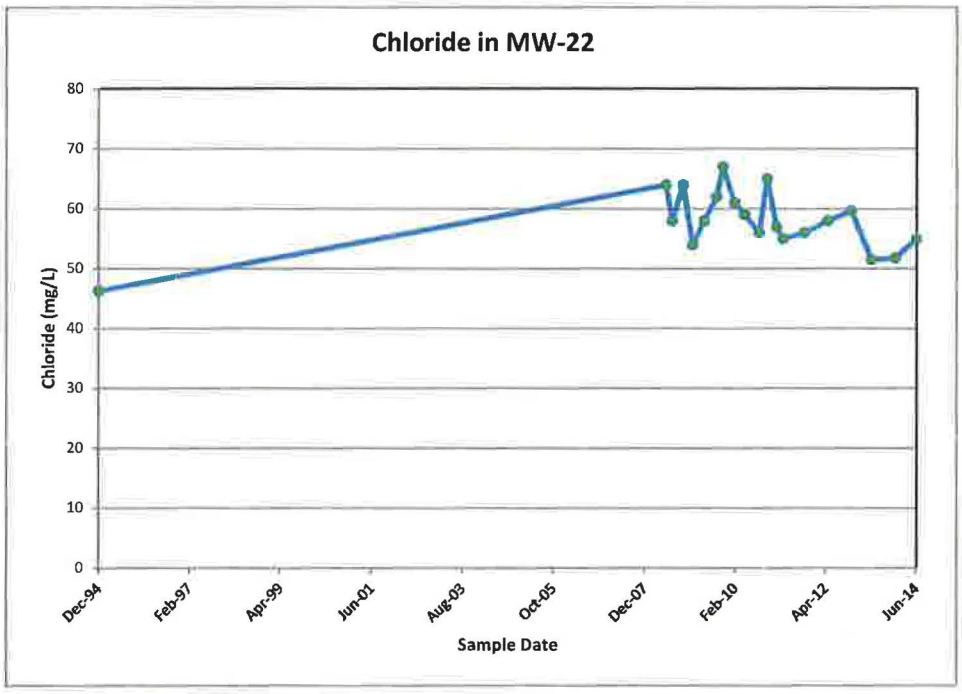


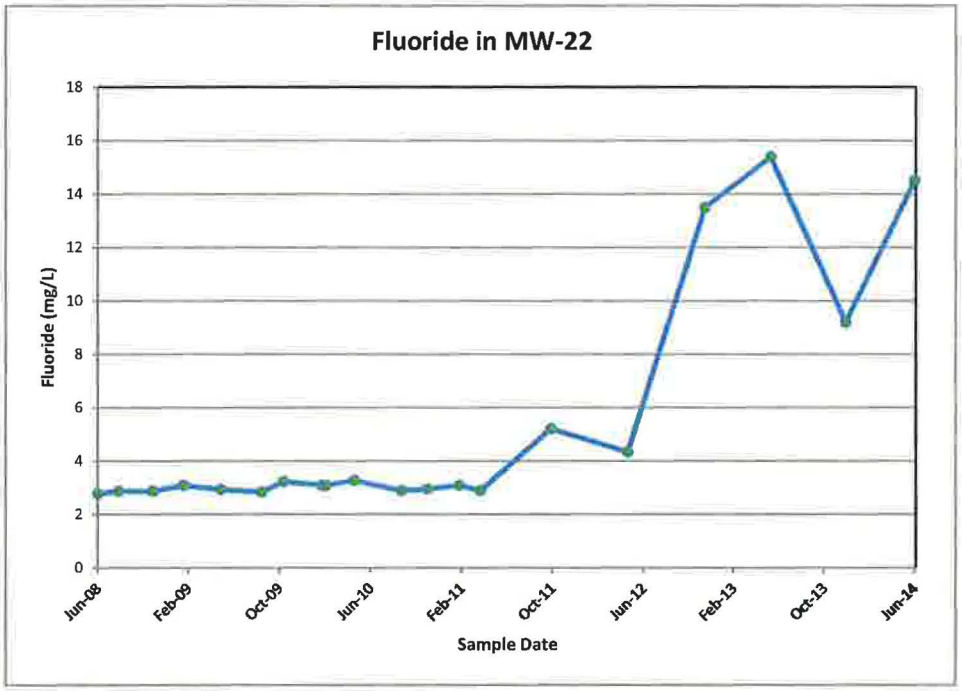


Detected Values

Non-Detected Values

Time concentration plots for MW-22

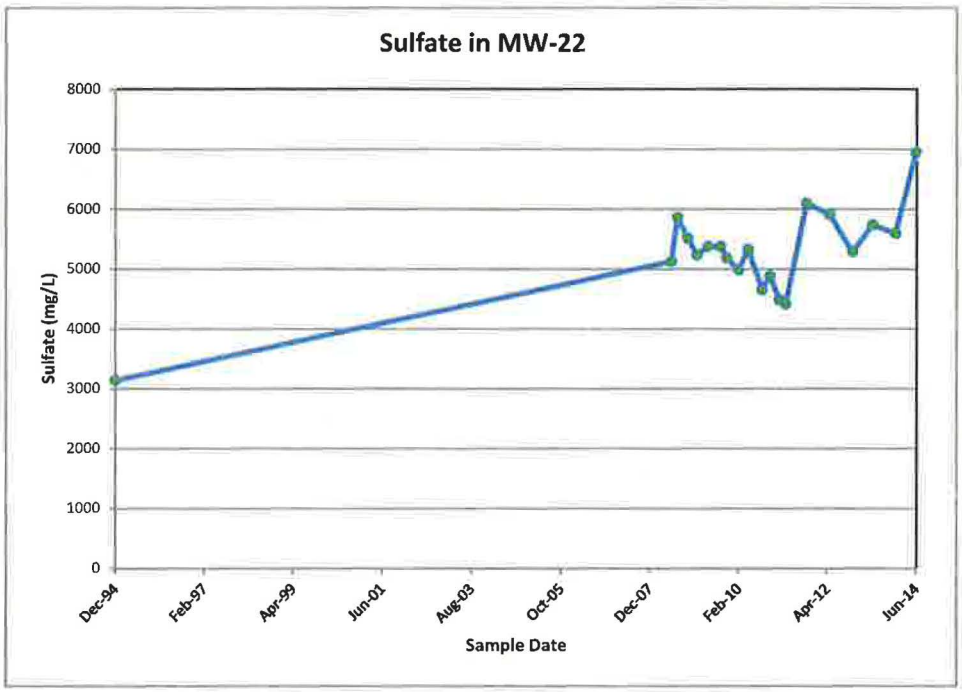


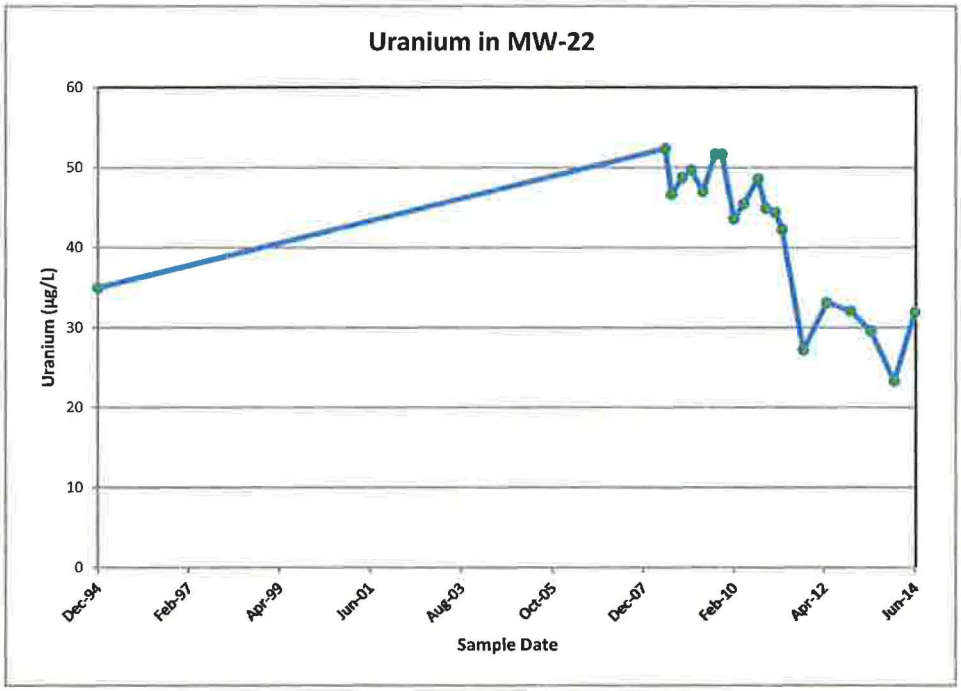


Detected Values

Non-Detected Values

Time concentration plots for MW-22

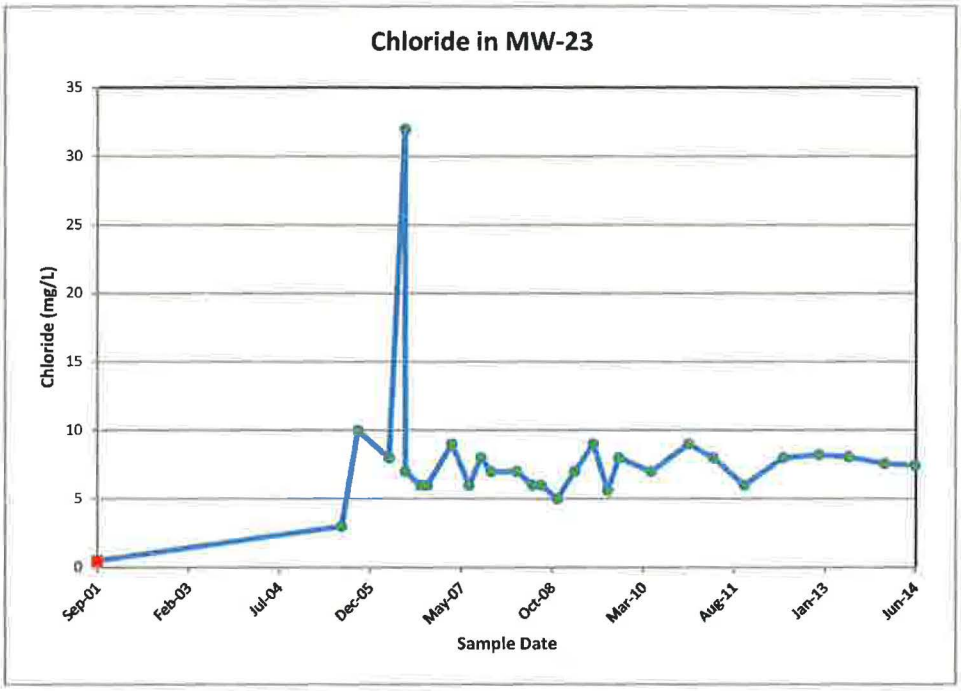


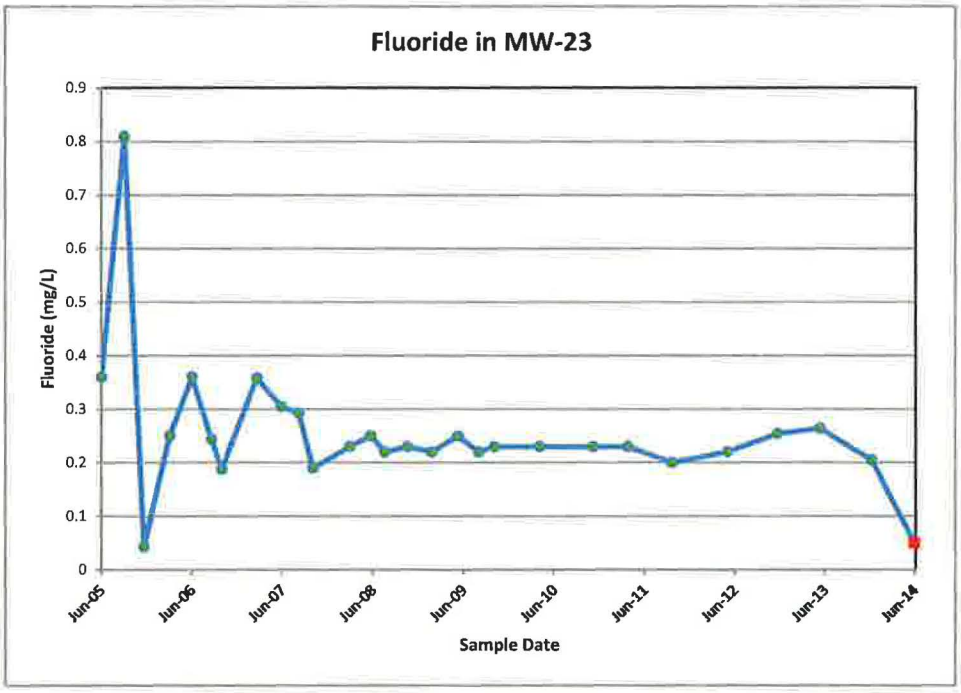


Detected Values

Non-Detected Values

Time concentration plots for MW-23

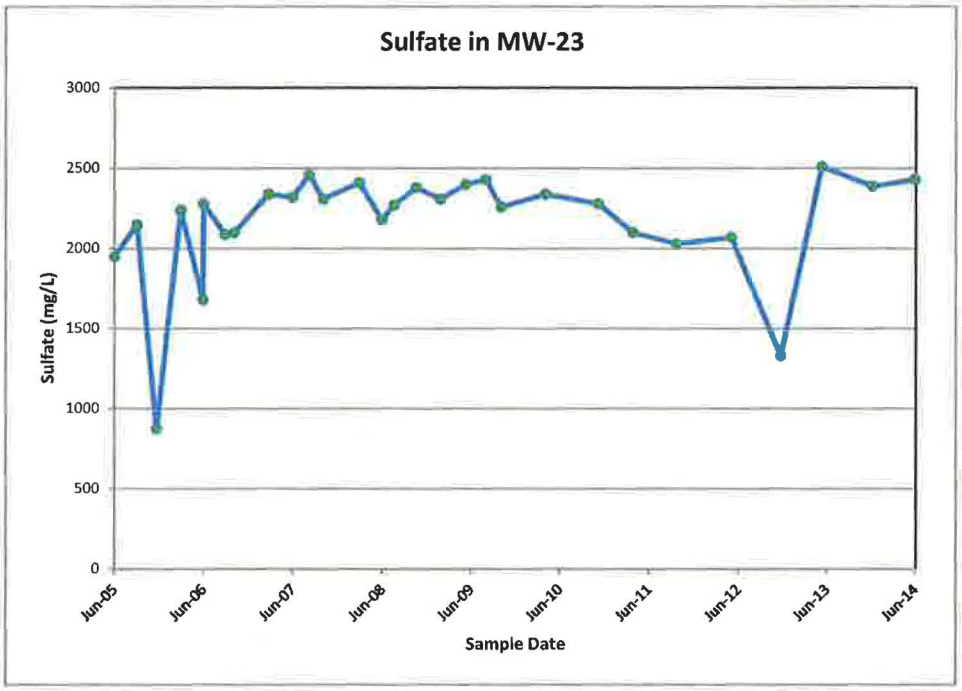


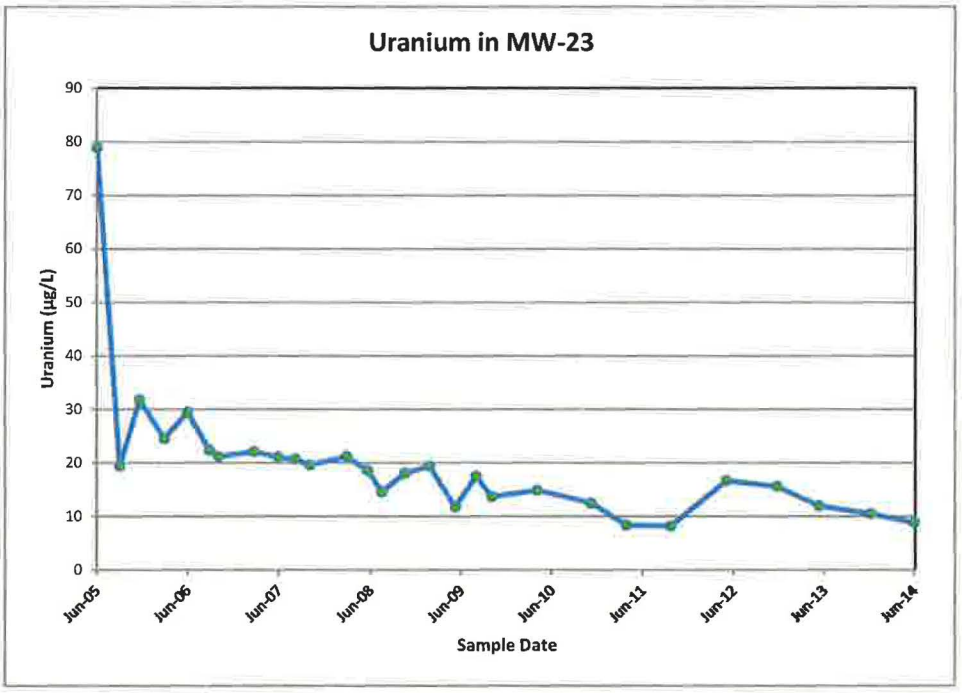


Detected Values

Non-Detected Values

Time concentration plots for MW-23

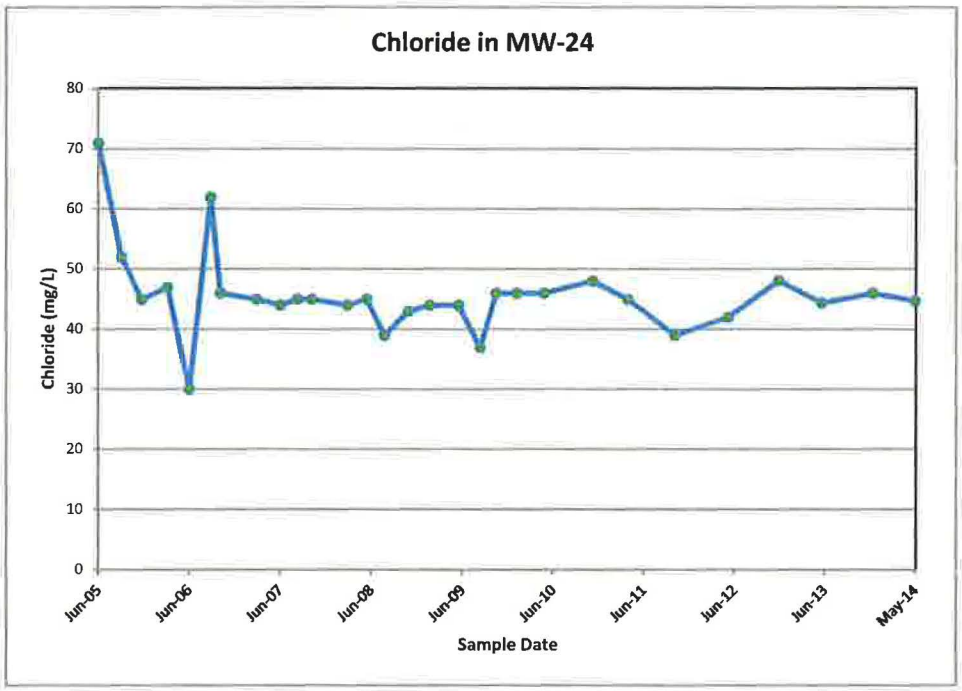


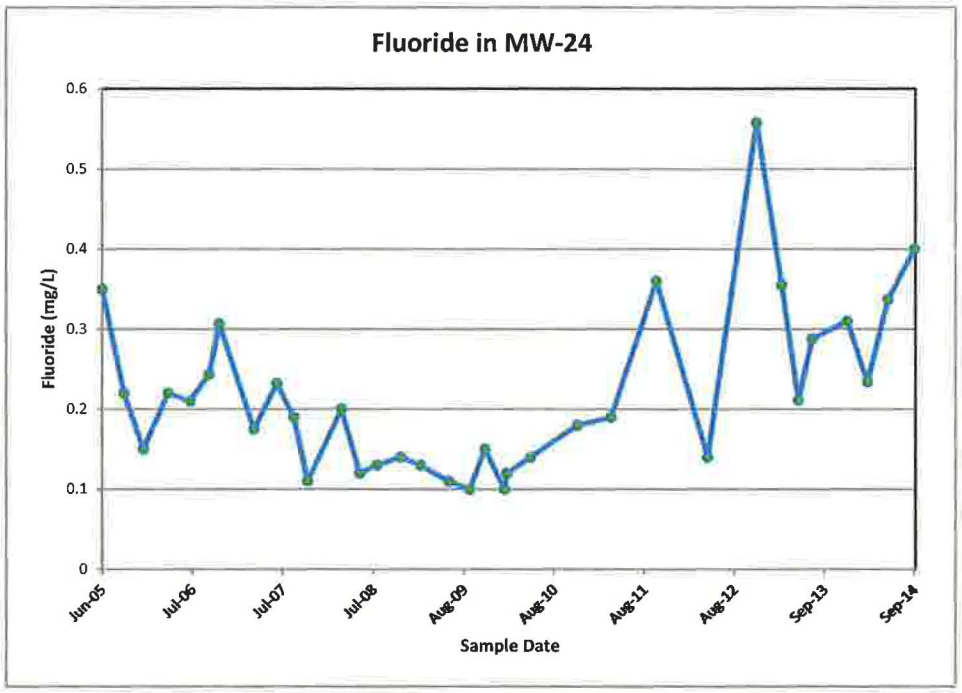


Detected Values

Non-Detected Values

Time concentration plots for MW-24

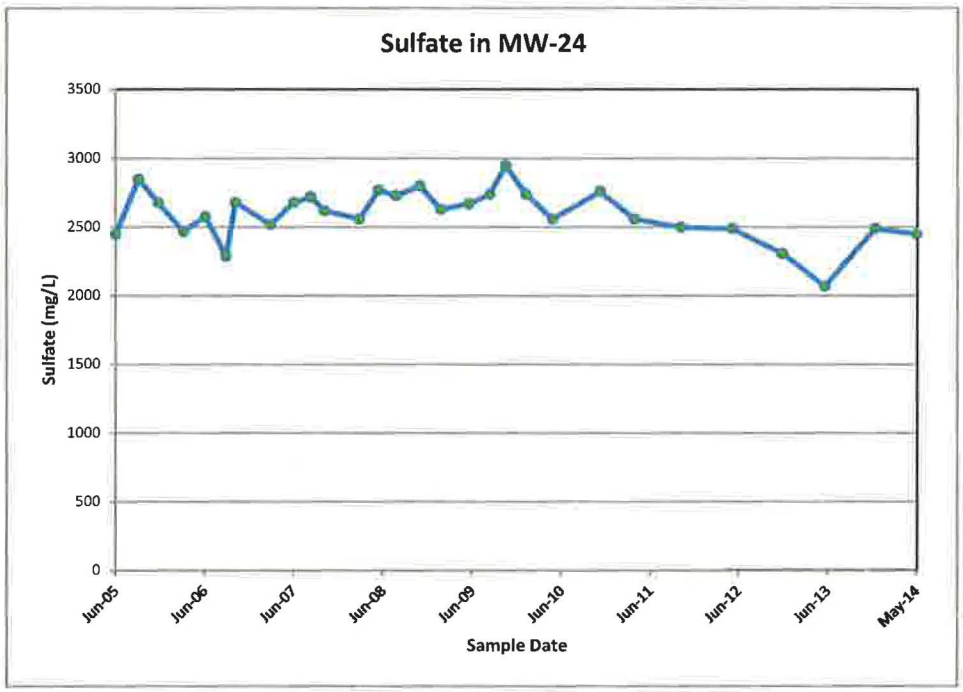


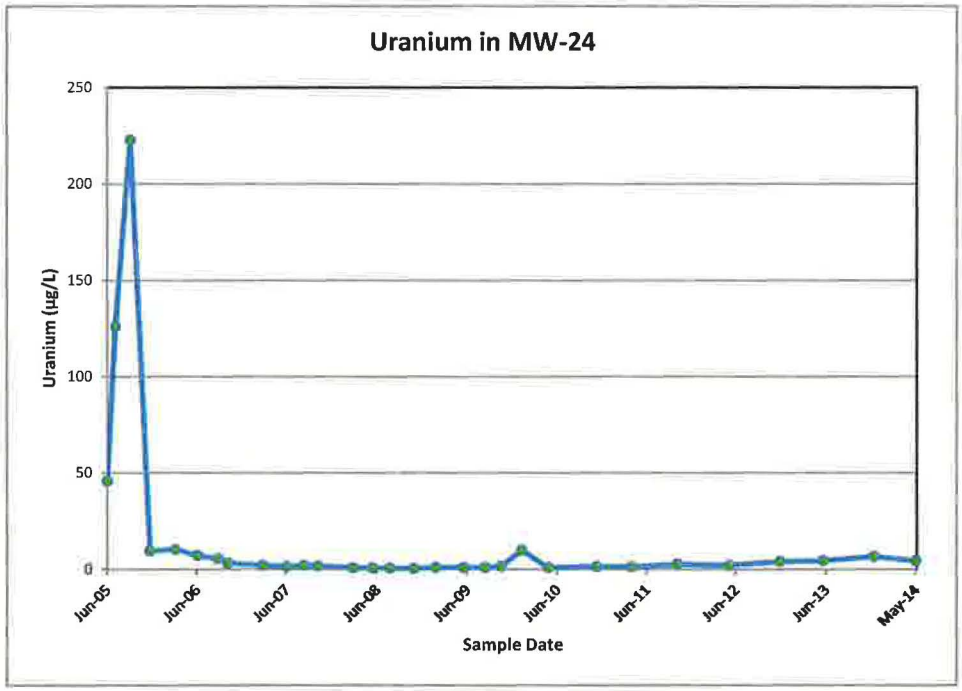


Detected Values

Non-Detected Values

Time concentration plots for MW-24

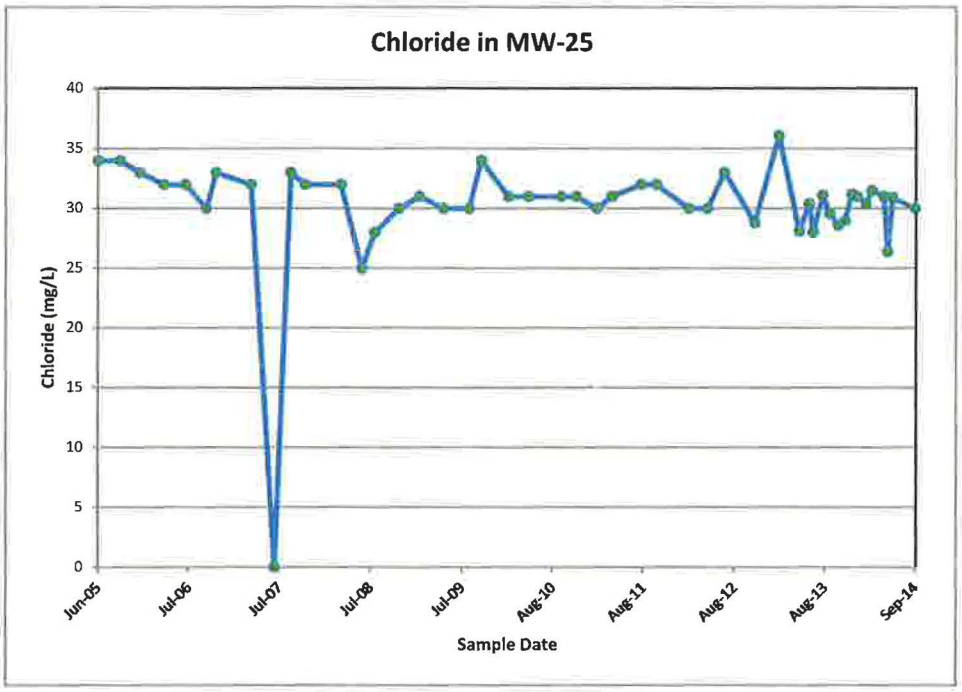


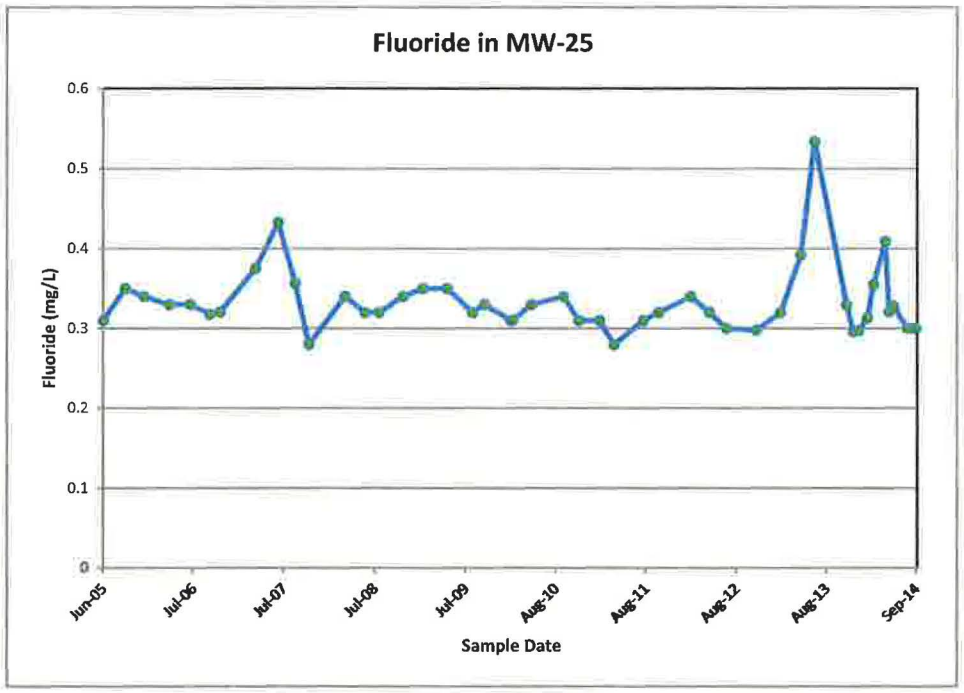


Detected Values

Non-Detected Values

Time concentration plots for MW-25

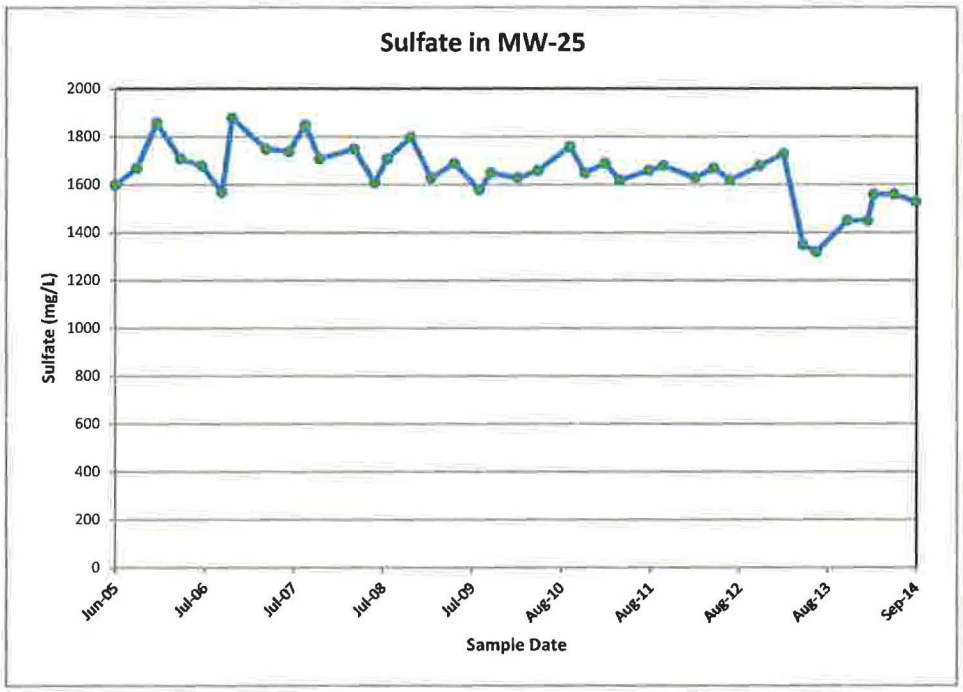


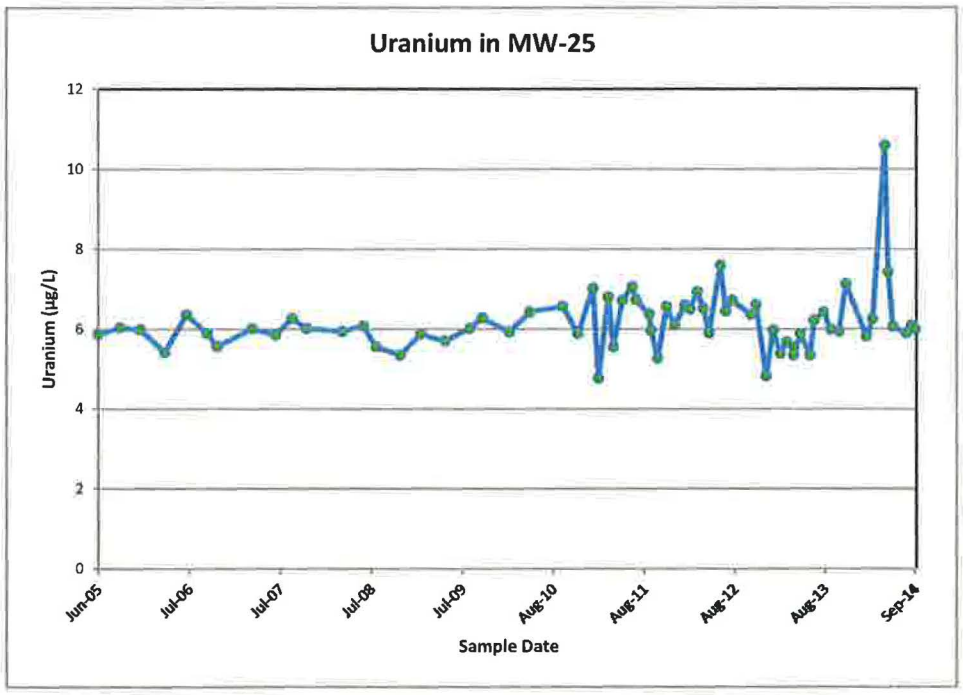


Detected Values

Non-Detected Values

Time concentration plots for MW-25

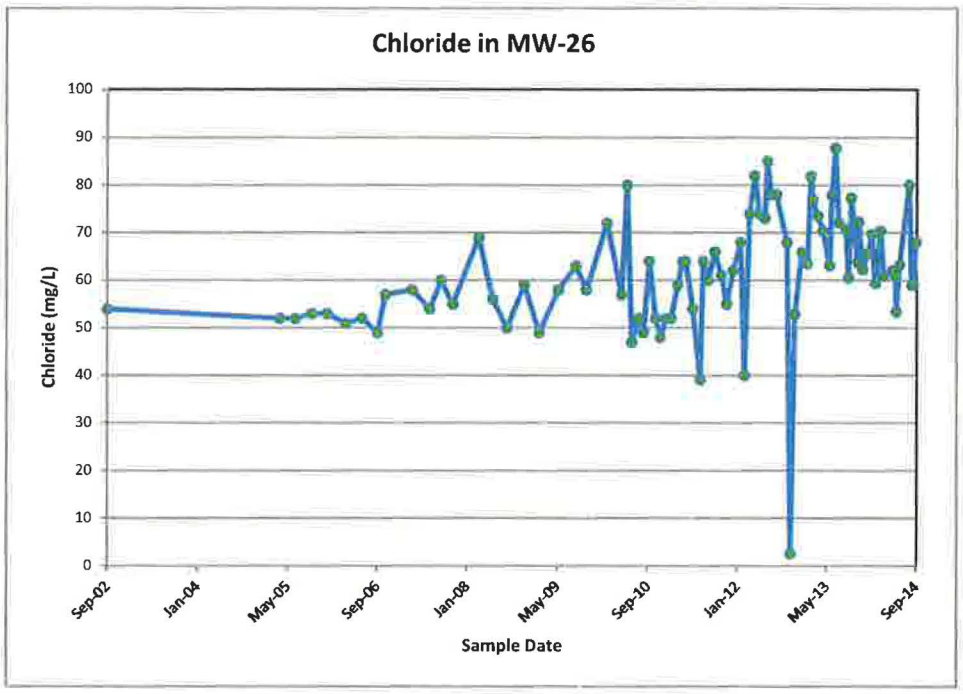


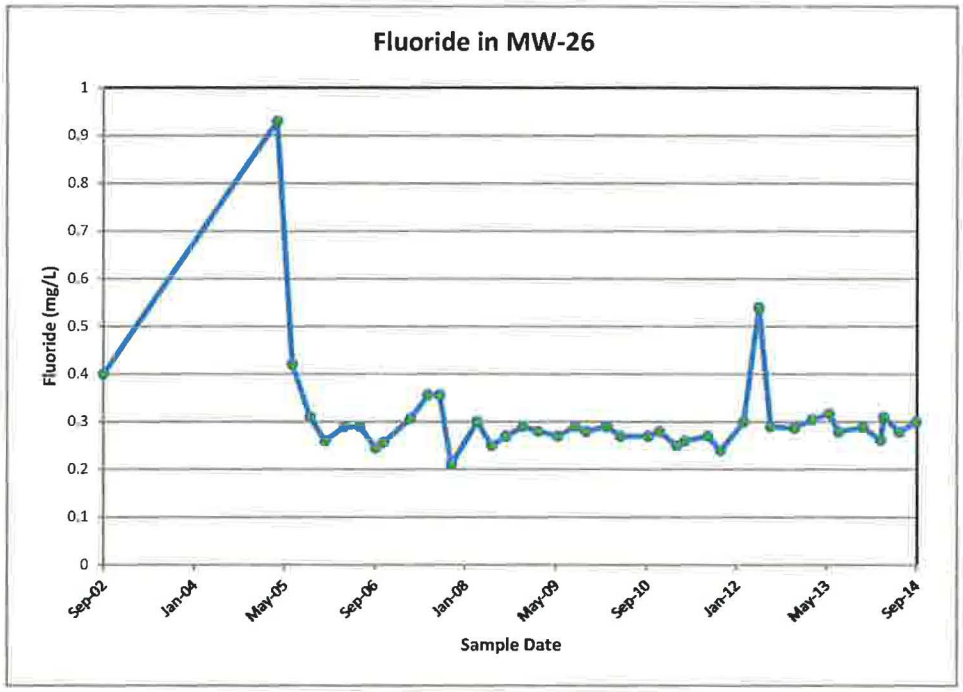


Detected Values

Non-Detected Values

Time concentration plots for MW-26

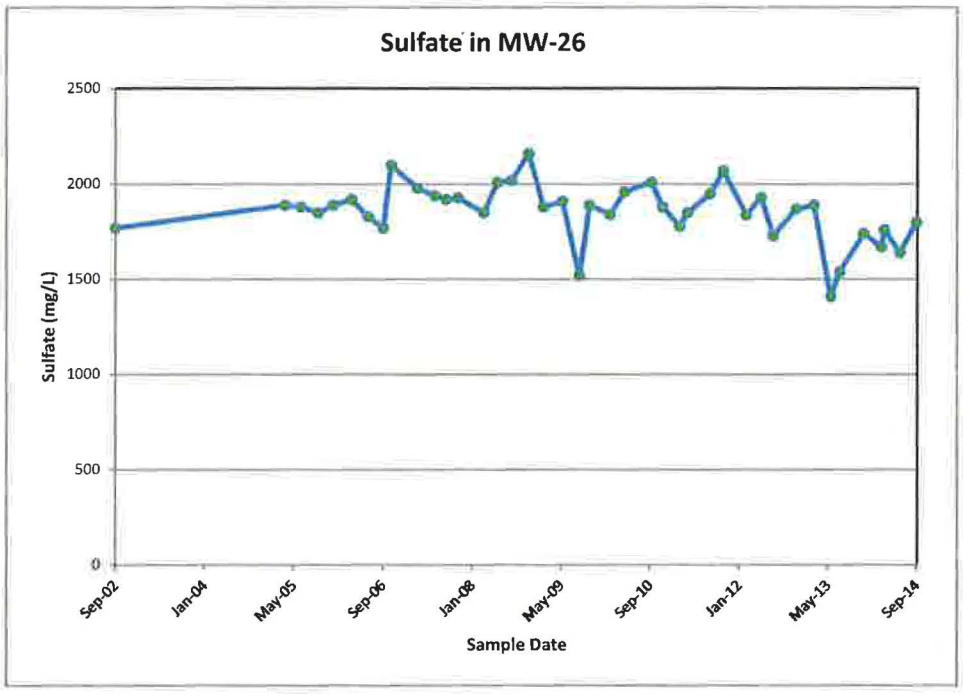


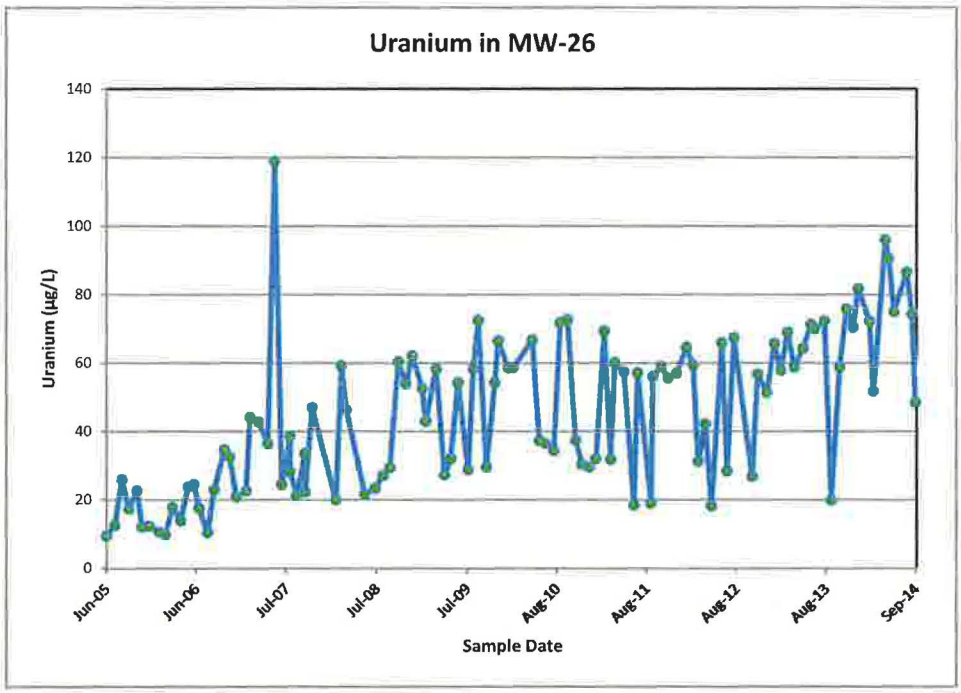


Detected Values

Non-Detected Values

Time concentration plots for MW-26

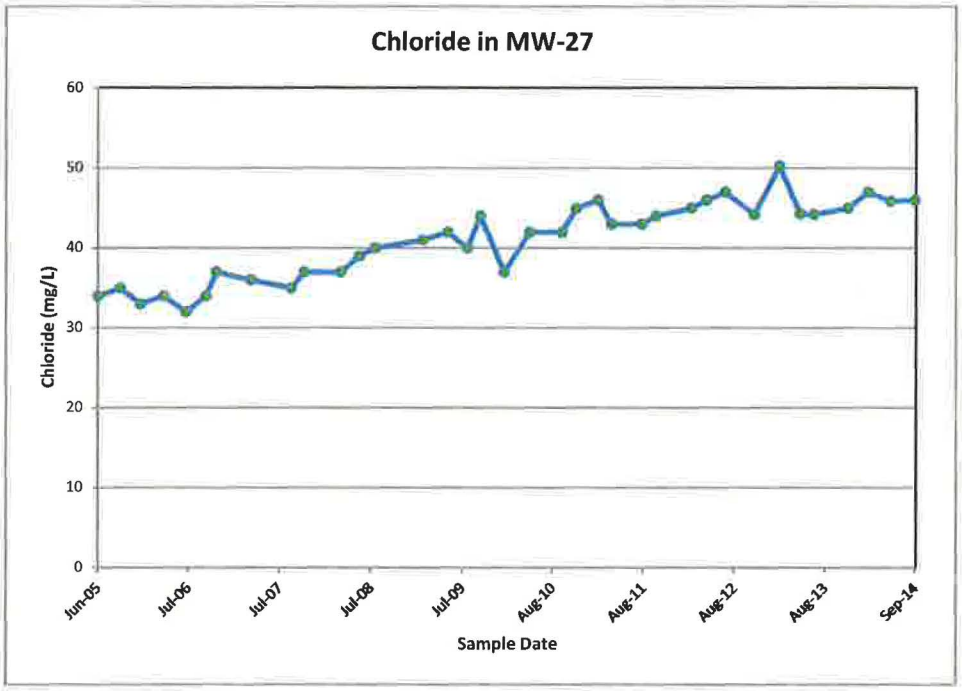


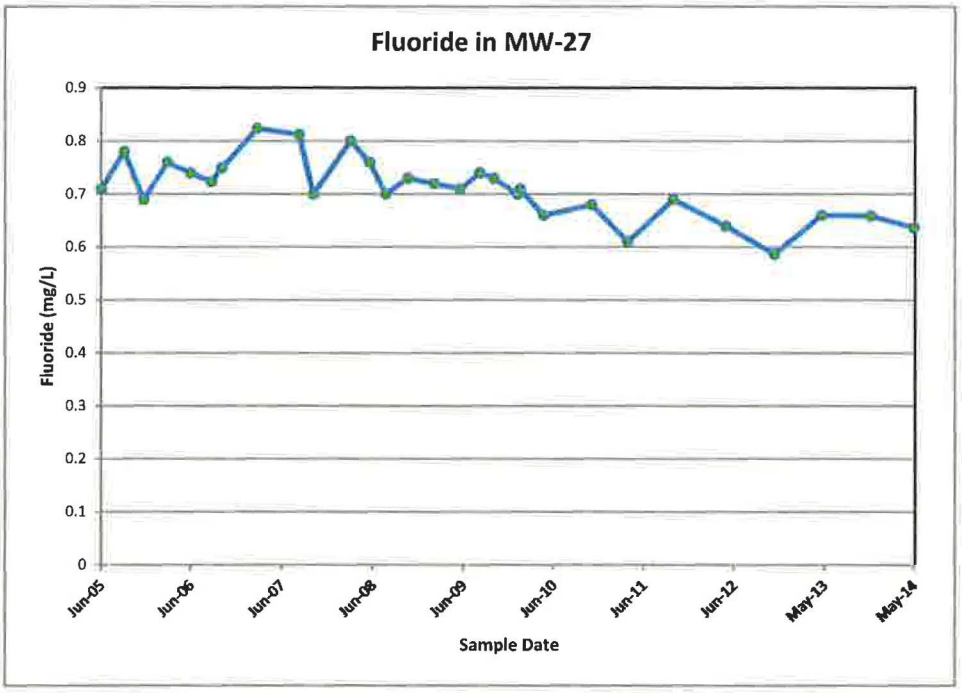


Detected Values

Non-Detected Values

Time concentration plots for MW-27

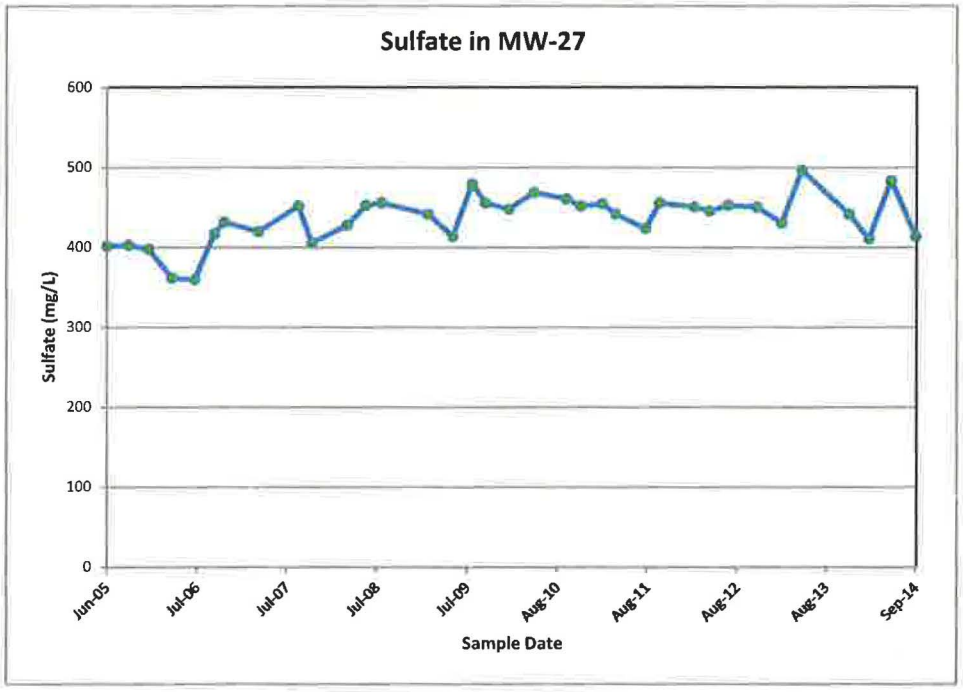


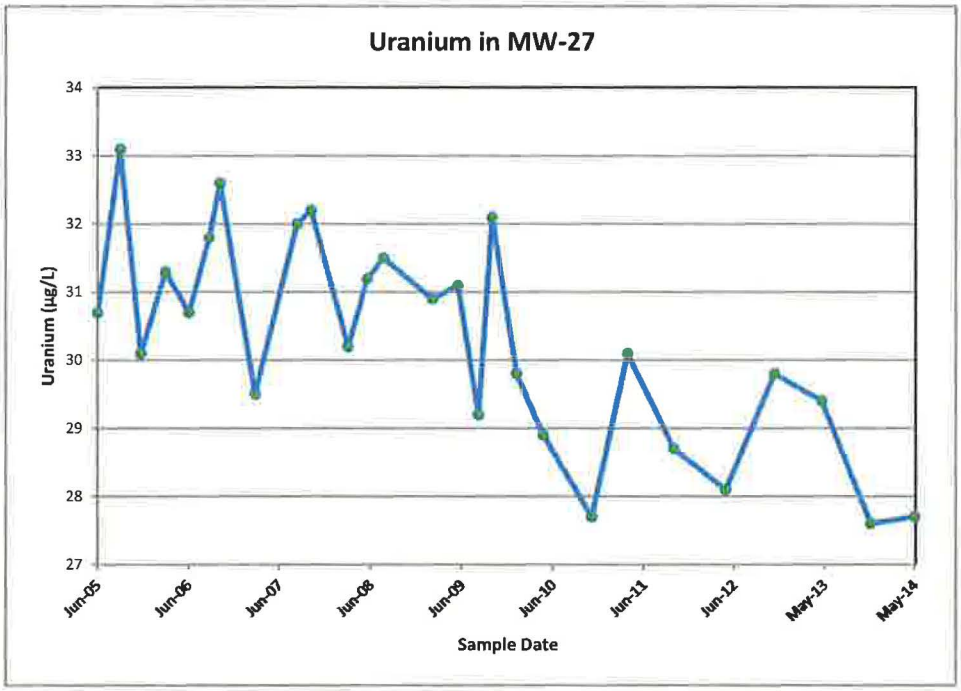


Detected Values

Non-Detected Values

Time concentration plots for MW-27

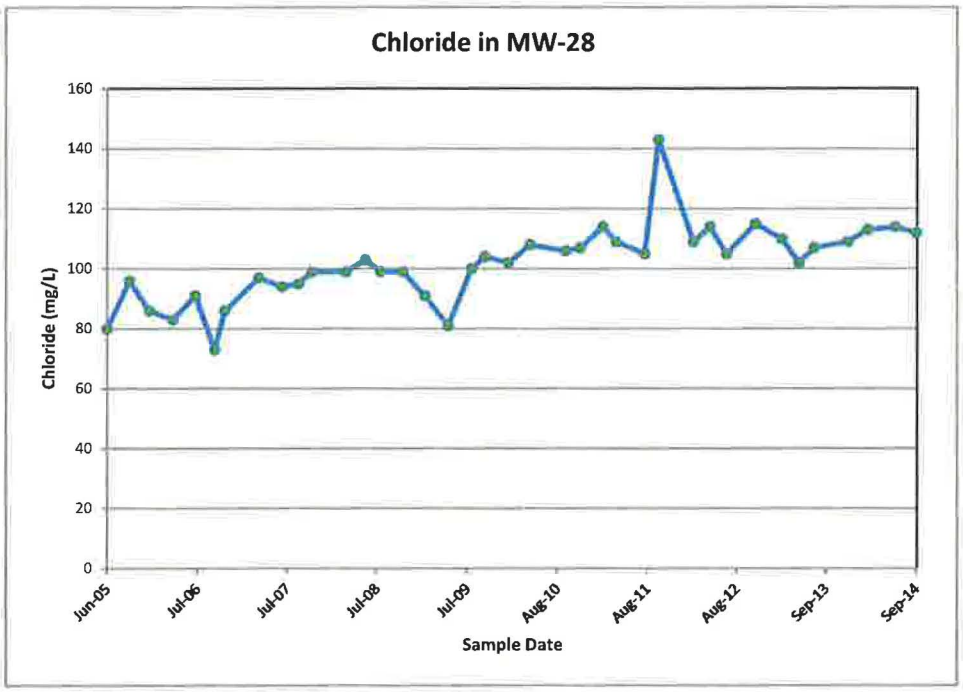


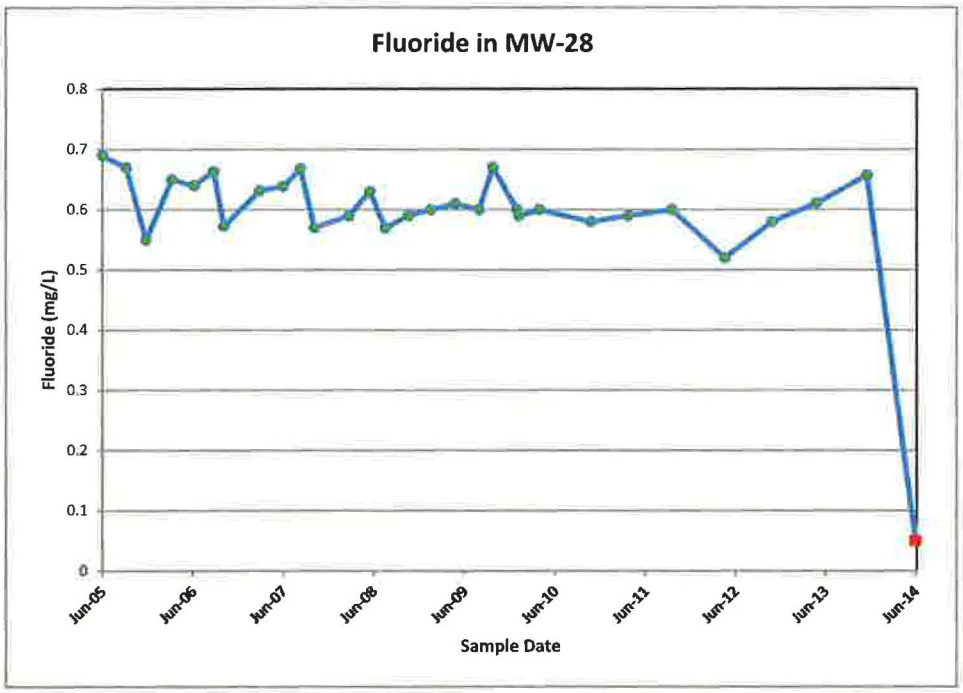


Detected Values

Non-Detected Values

Time concentration plots for MW-28

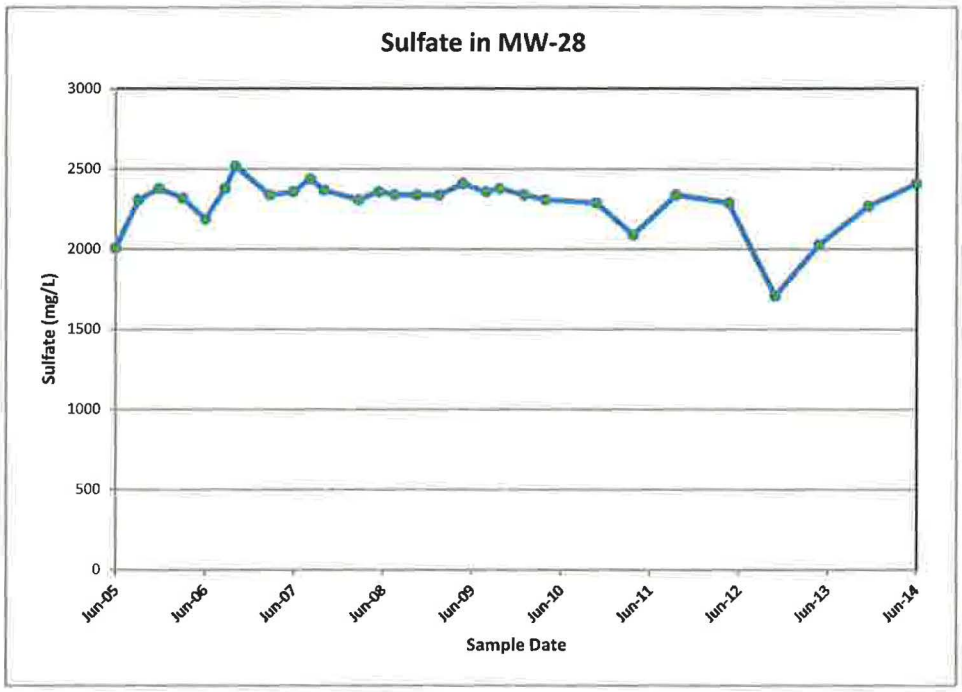


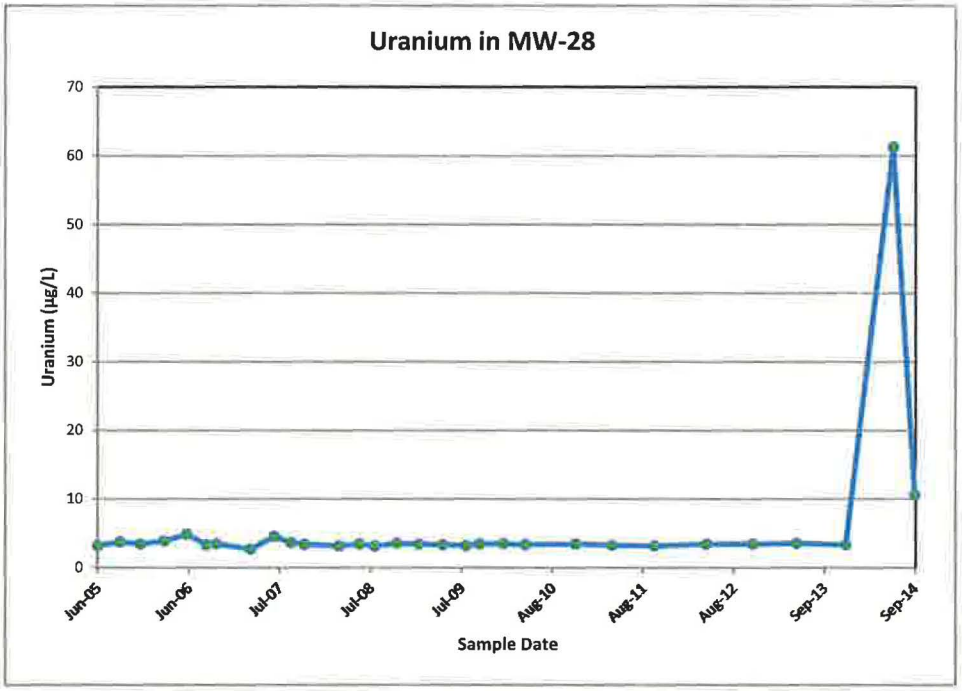


Detected Values

Non-Detected Values

Time concentration plots for MW-28

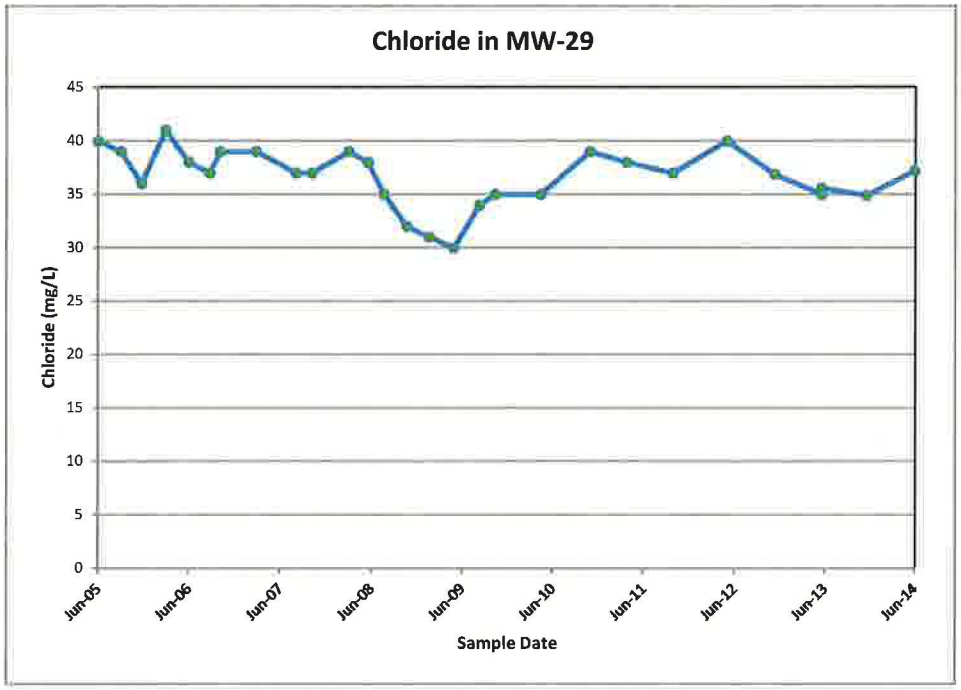


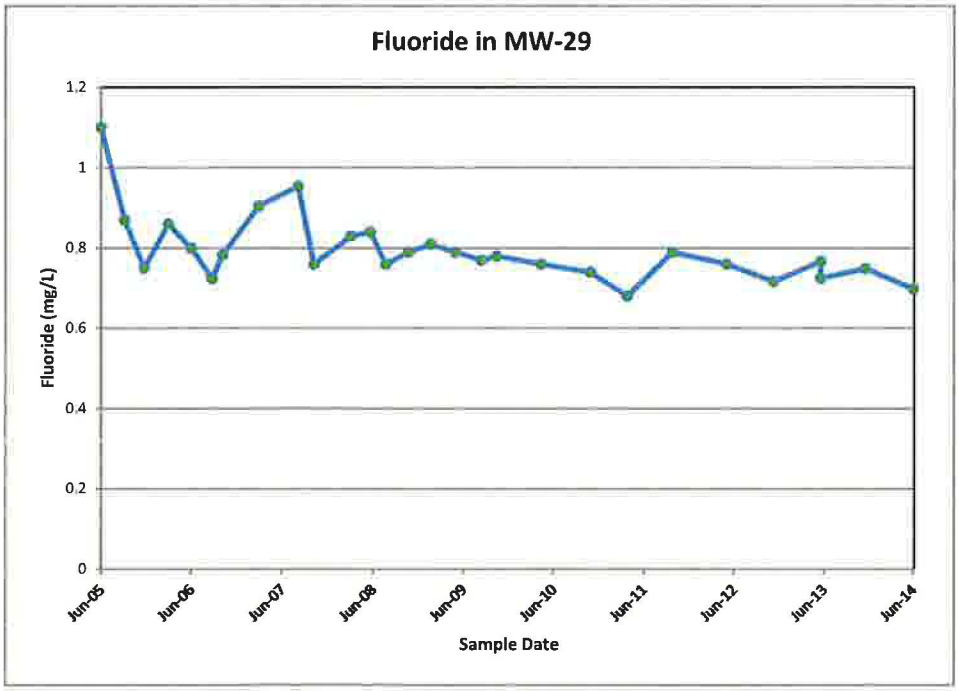


Detected Values

Non-Detected Values

Time concentration plots for MW-29

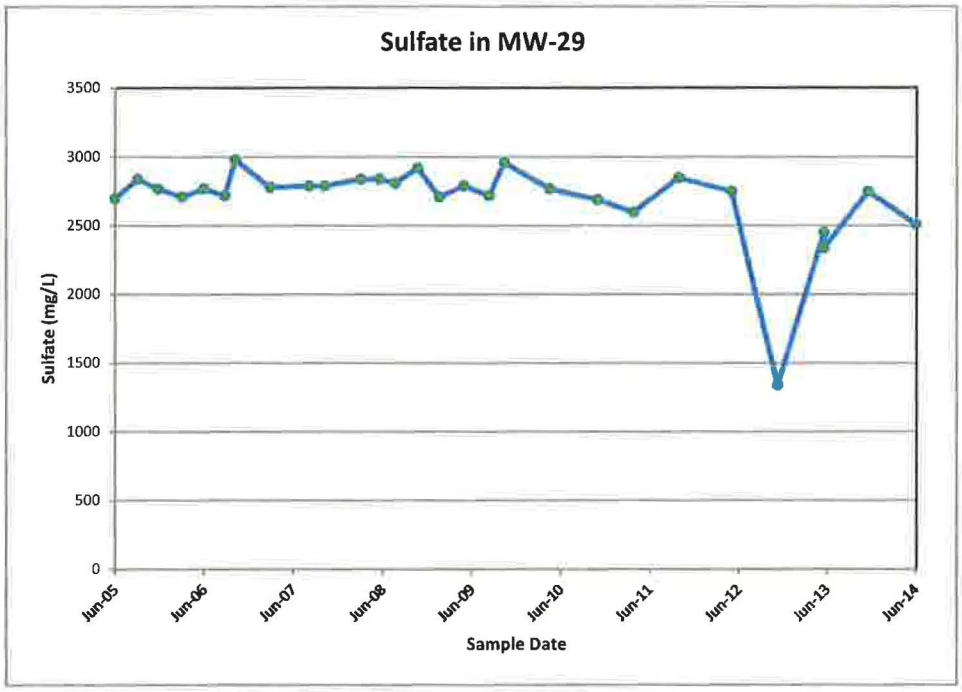


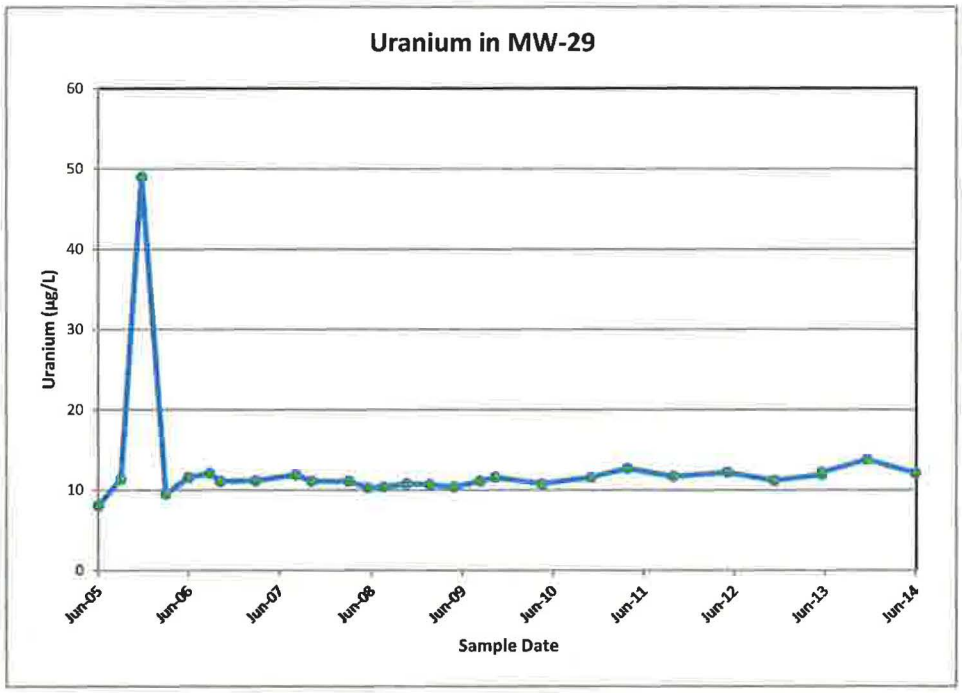


Detected Values

Non-Detected Values

Time concentration plots for MW-29

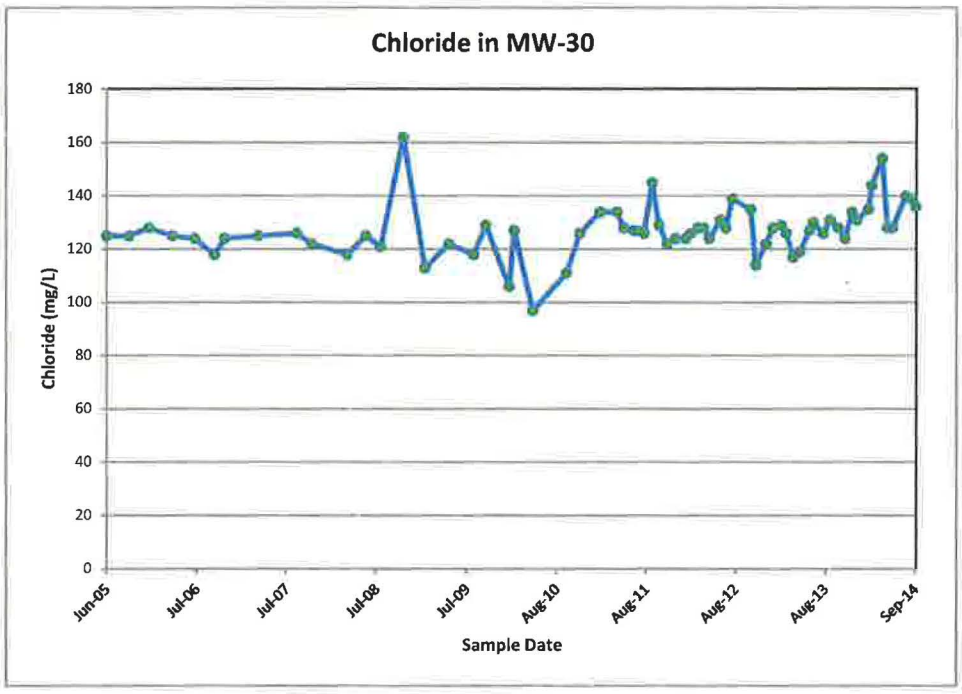


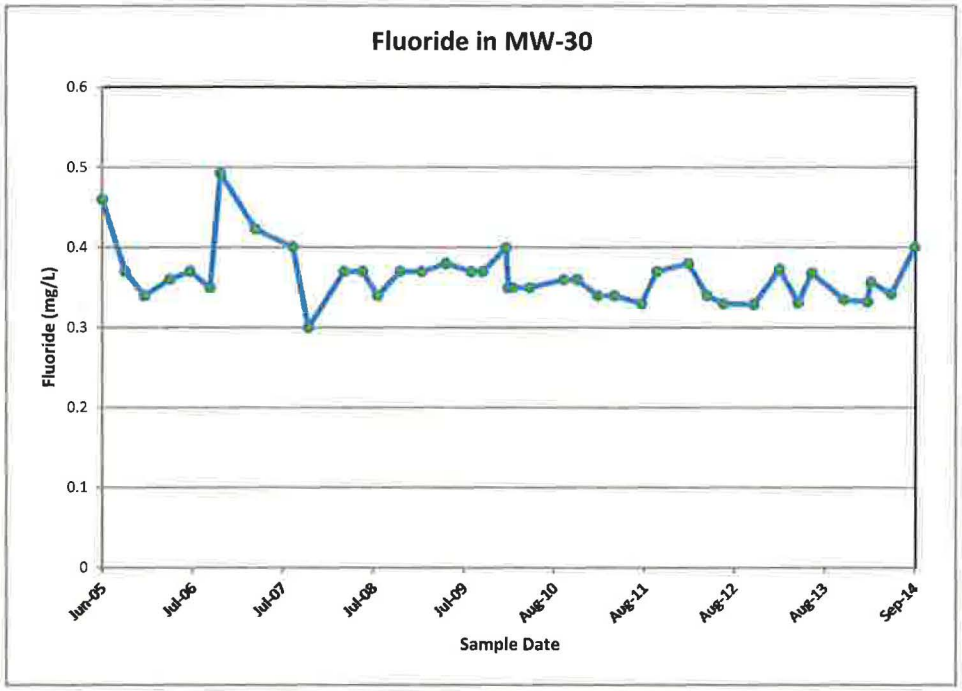


Detected Values

Non-Detected Values

Time concentration plots for MW-30

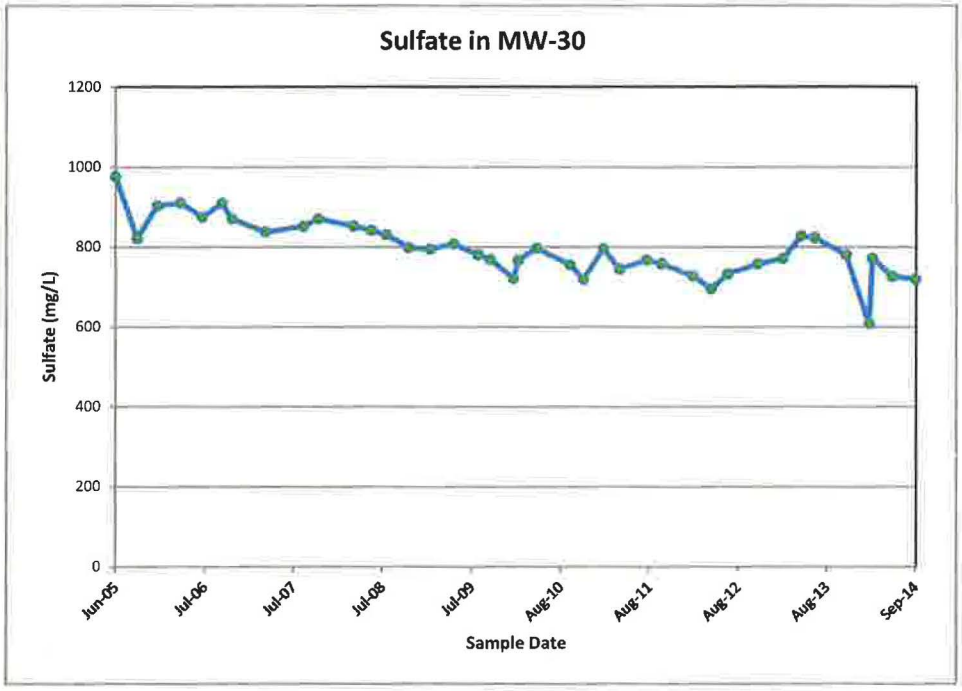


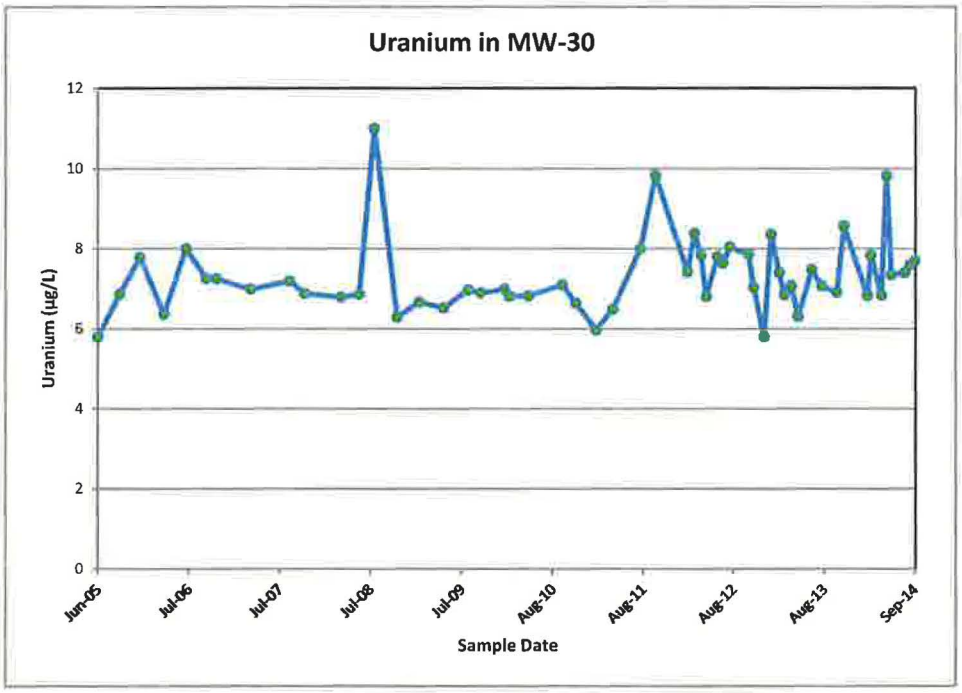


Detected Values

Non-Detected Values

Time concentration plots for MW-30

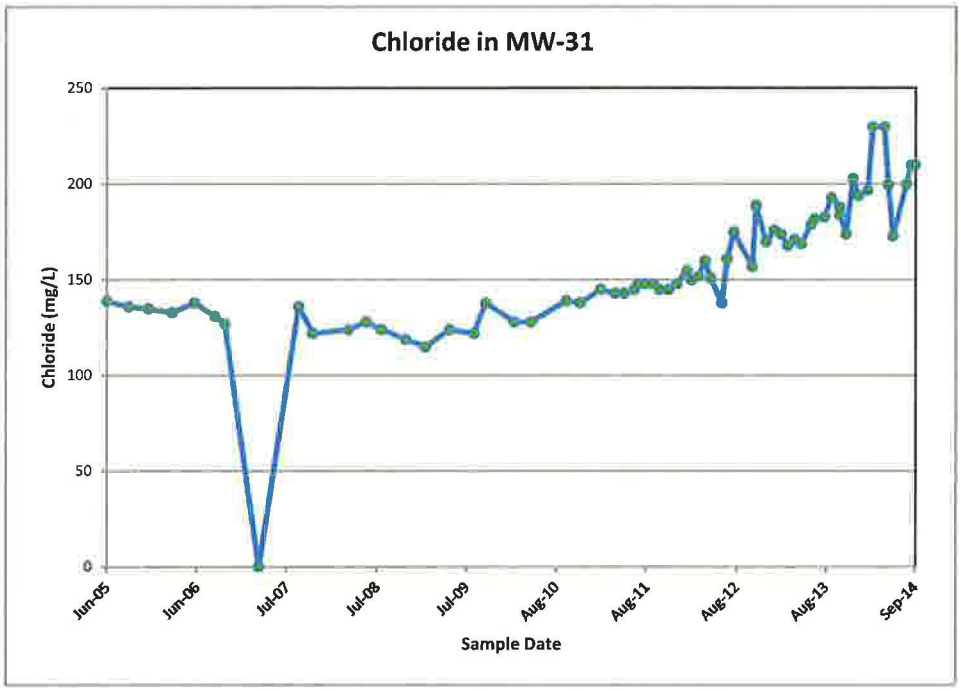


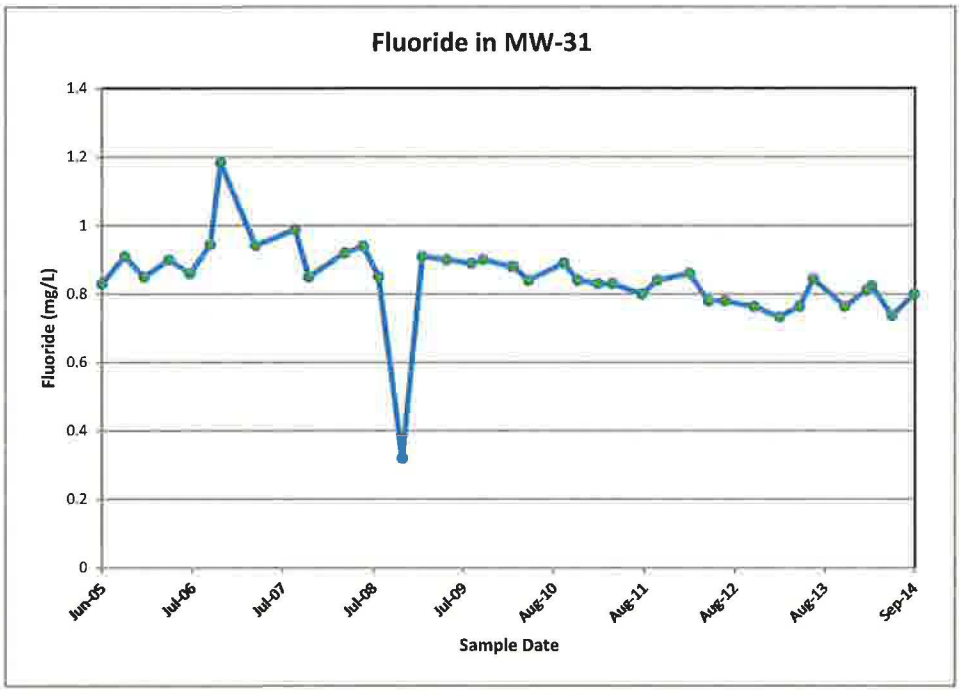


Detected Values

Non-Detected Values

Time concentration plots for MW-31

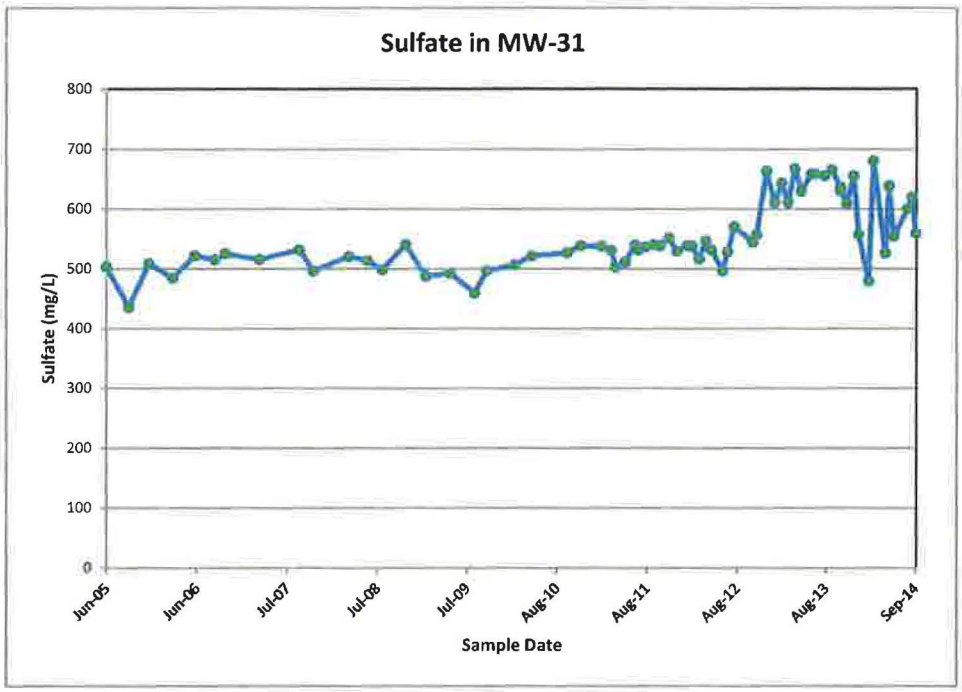


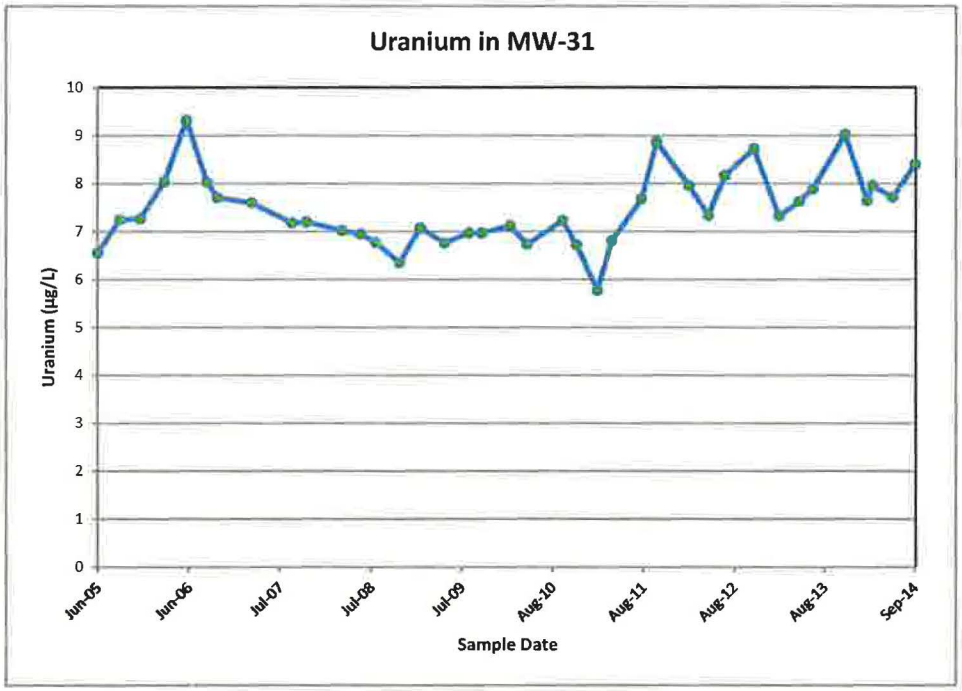


Detected Values

Non-Detected Values

Time concentration plots for MW-31

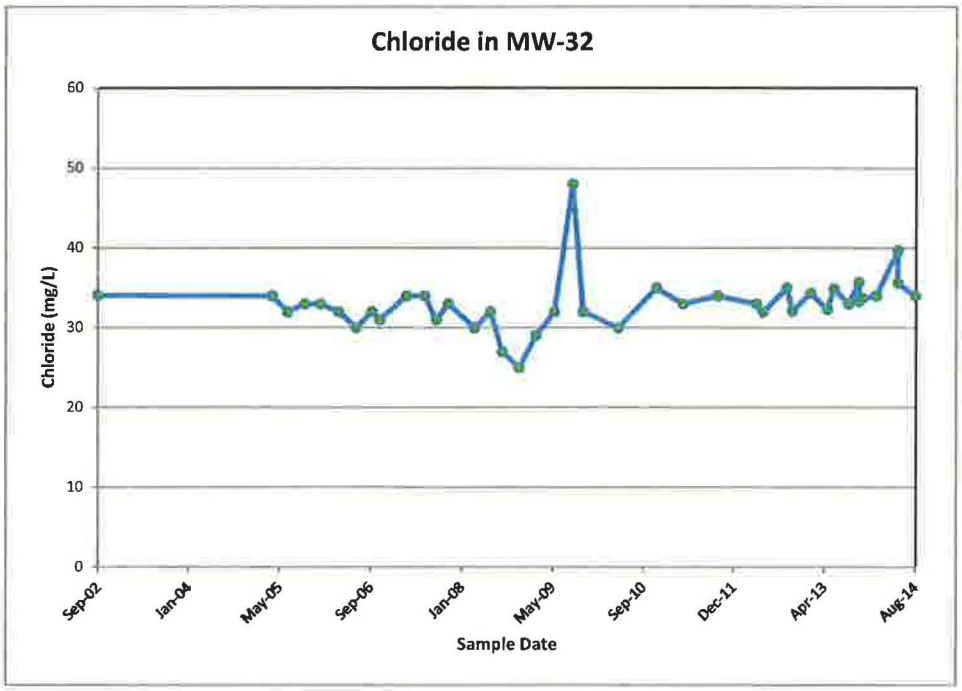


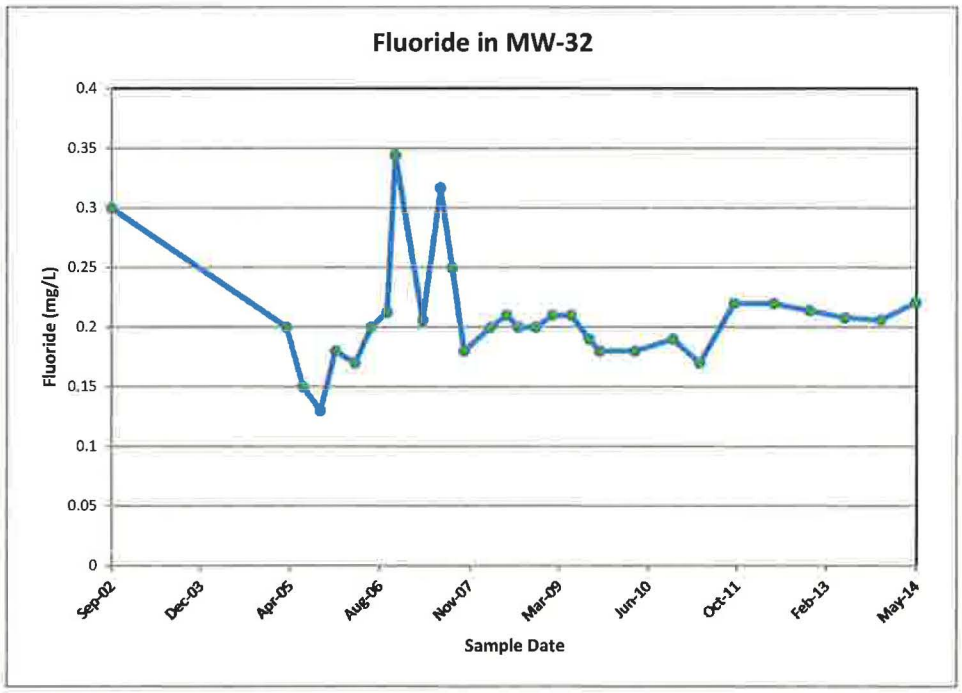


Detected Values

Non-Detected Values

Time concentration plots for MW-32

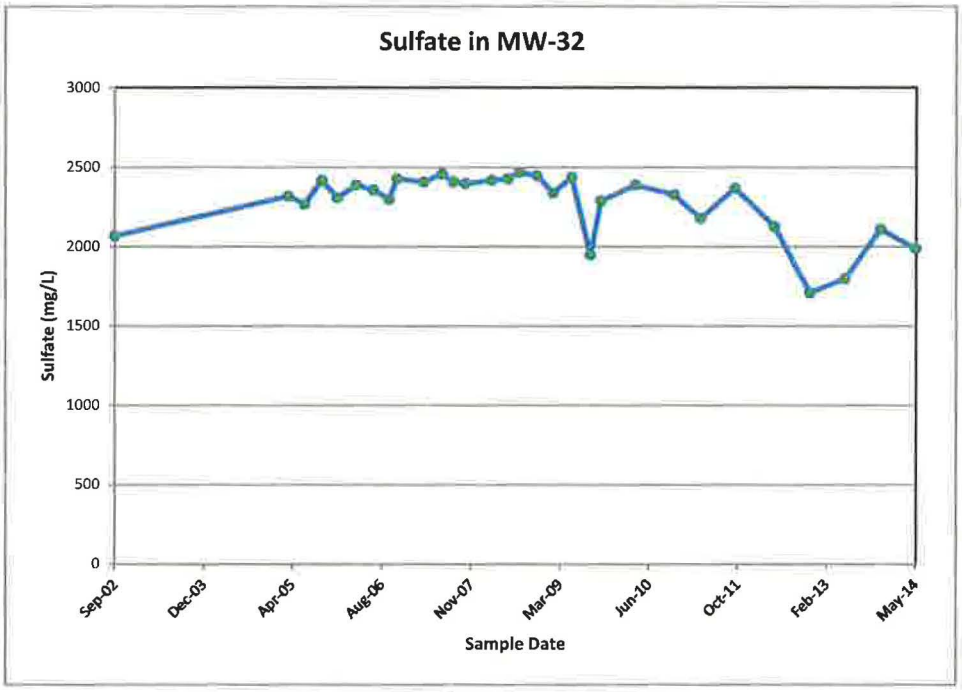


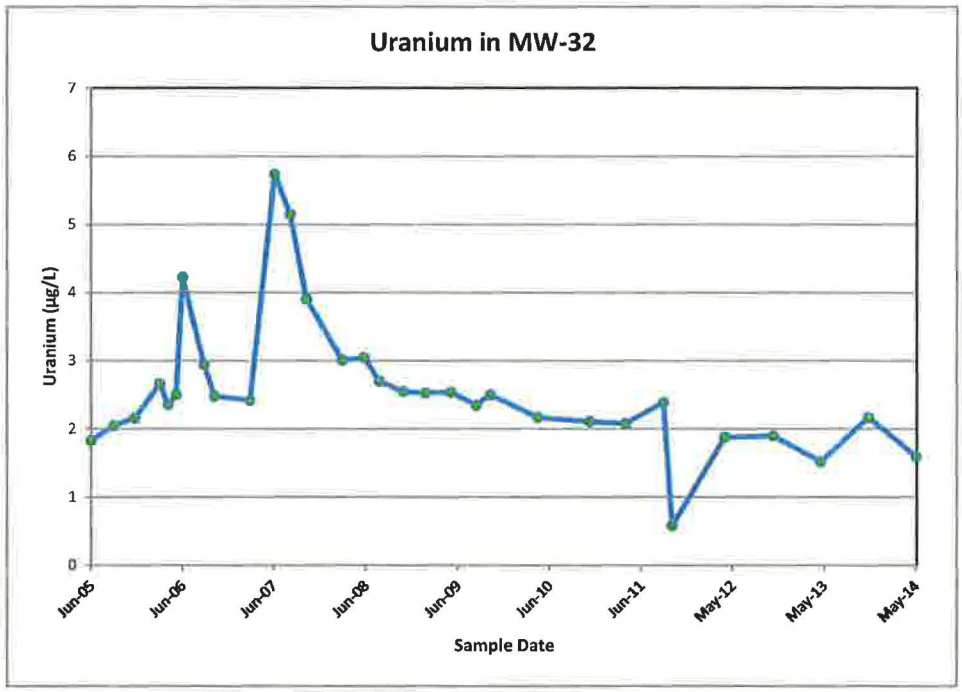


Detected Values

Non-Detected Values

Time concentration plots for MW-32

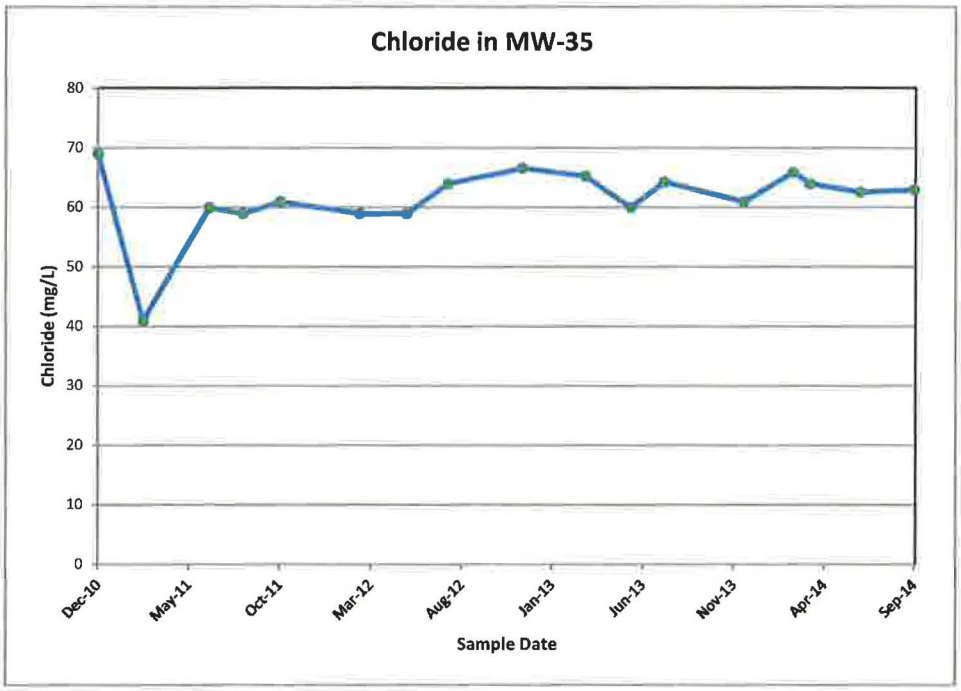


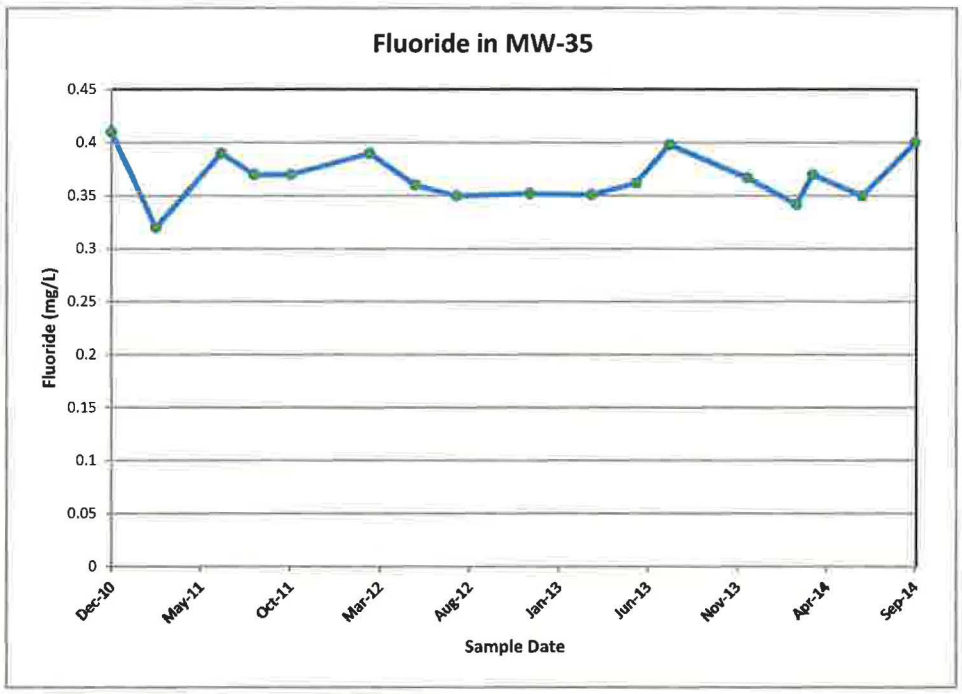


Detected Values

Non-Detected Values

Time concentration plots for MW-35

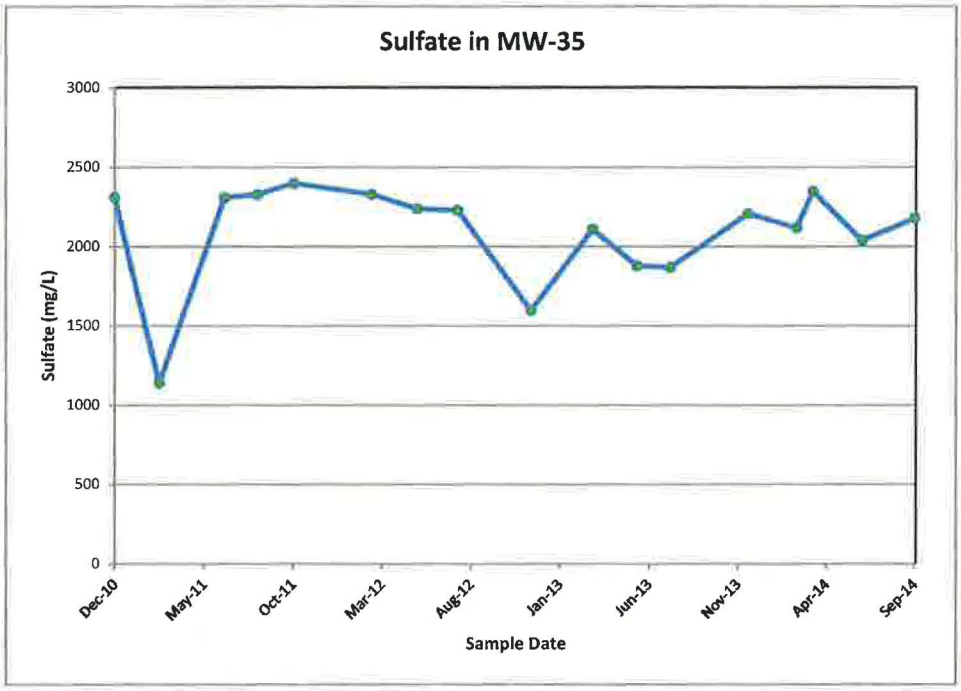


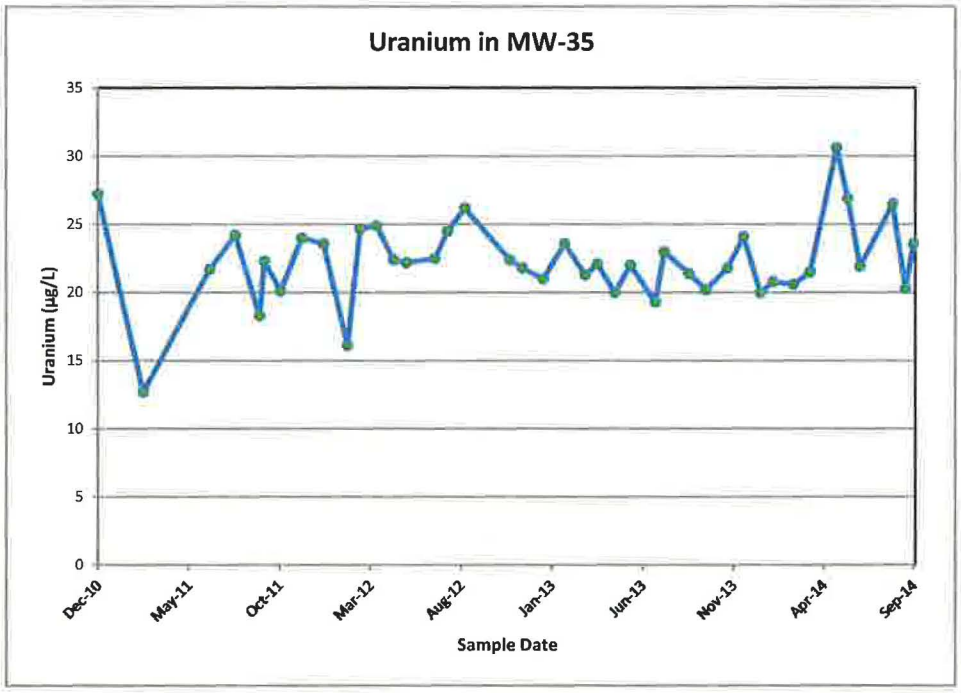


Detected Values

Non-Detected Values

Time concentration plots for MW-35

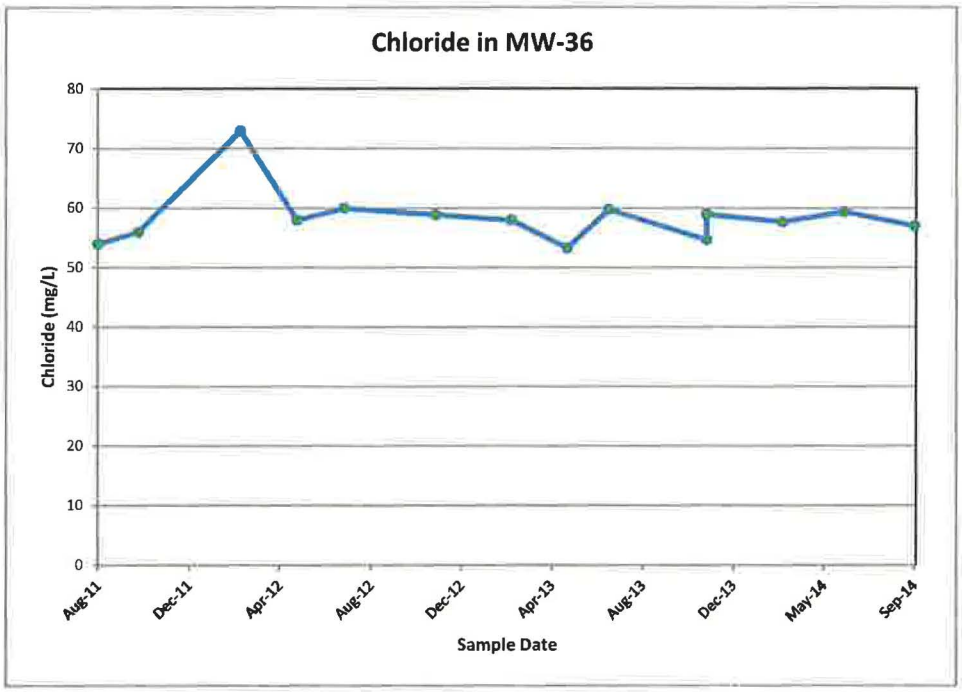


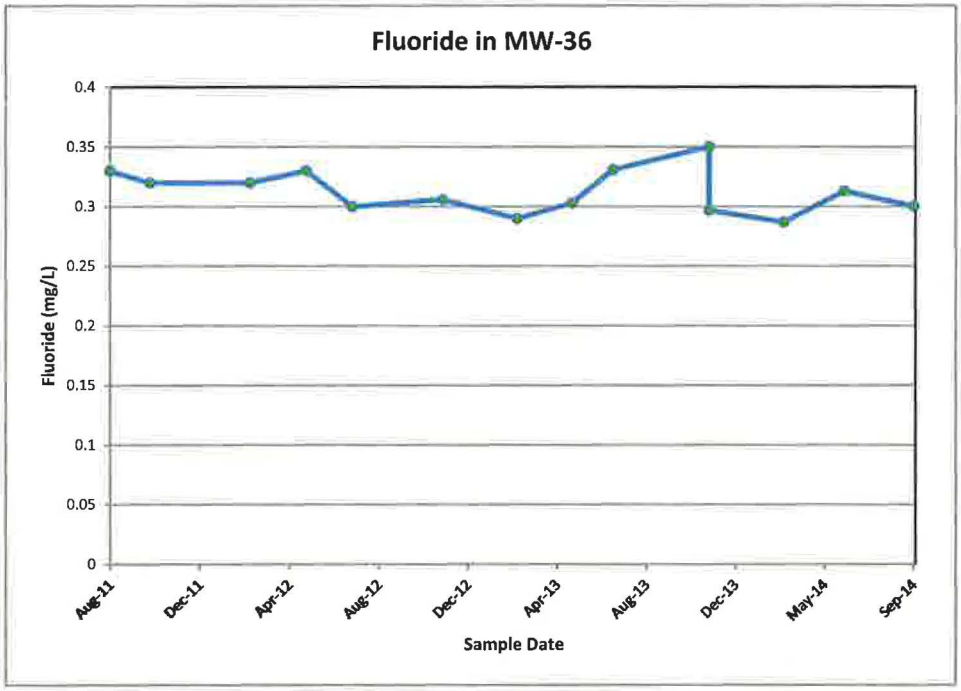


Detected Values

Non-Detected Values

Time concentration plots for MW-36

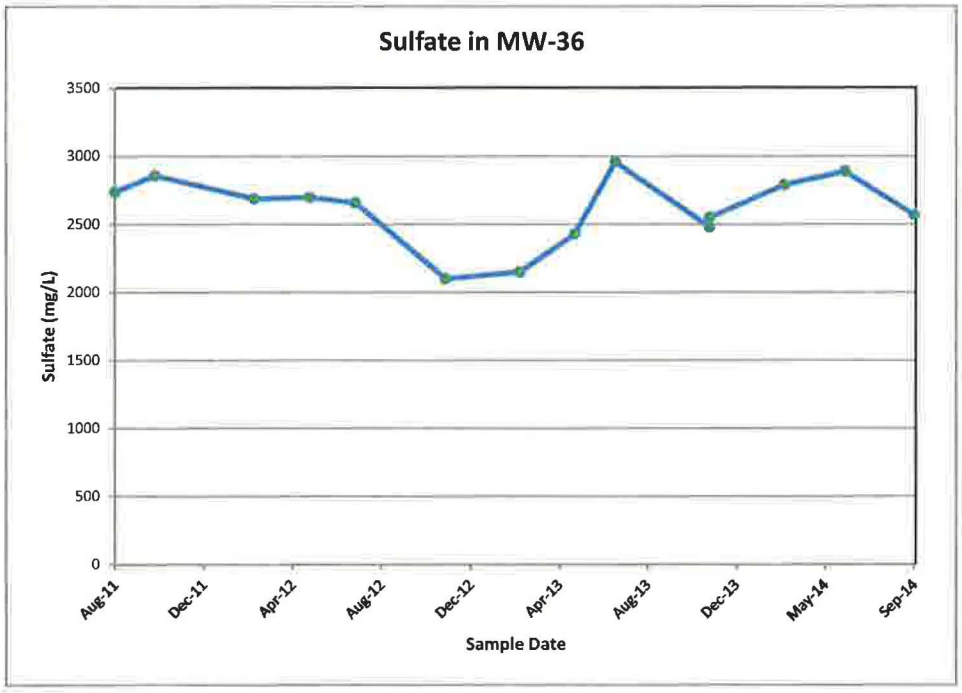


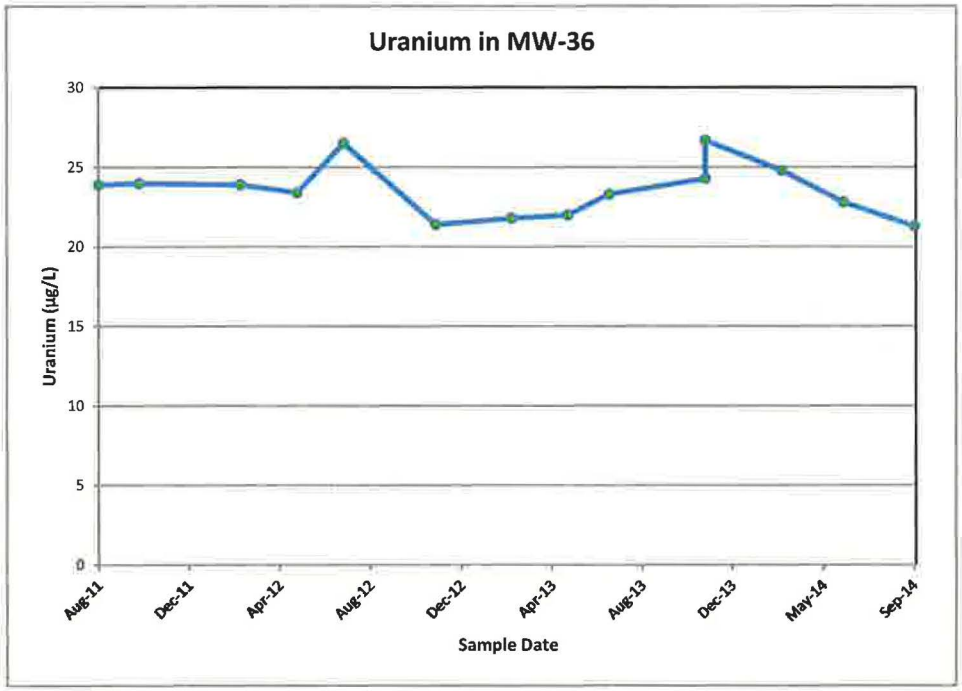


Detected Values

Non-Detected Values

Time concentration plots for MW-36

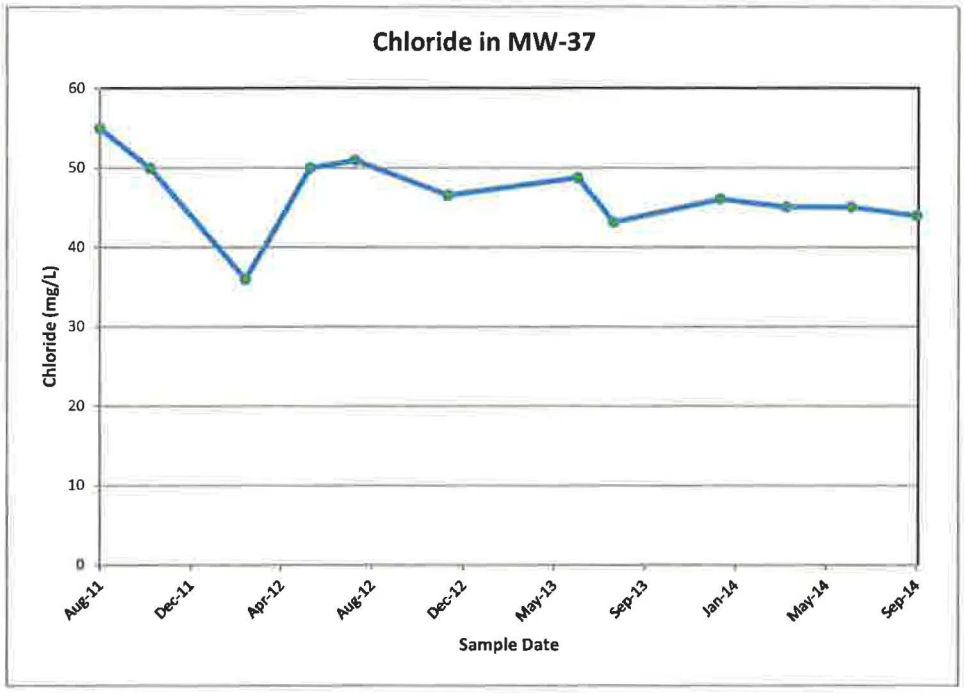


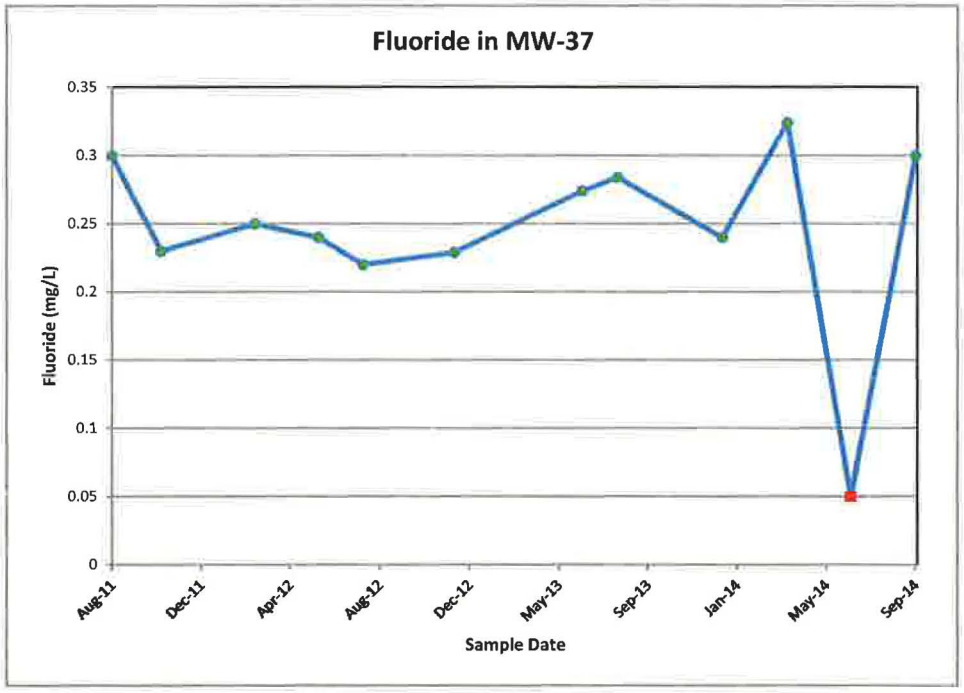


Detected Values

Non-Detected Values

Time concentration plots for MW-37

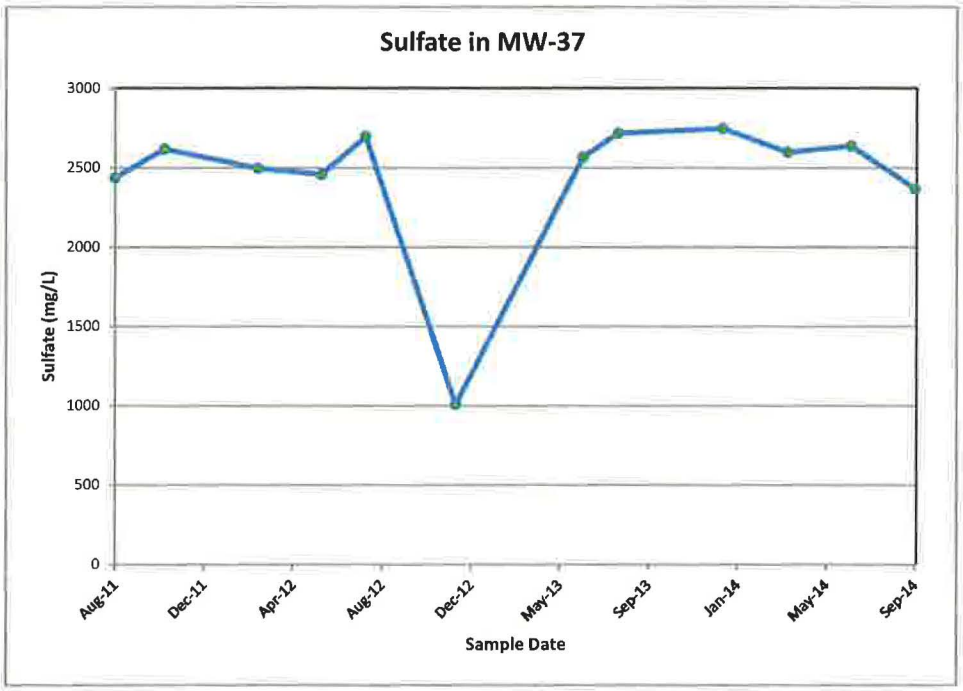


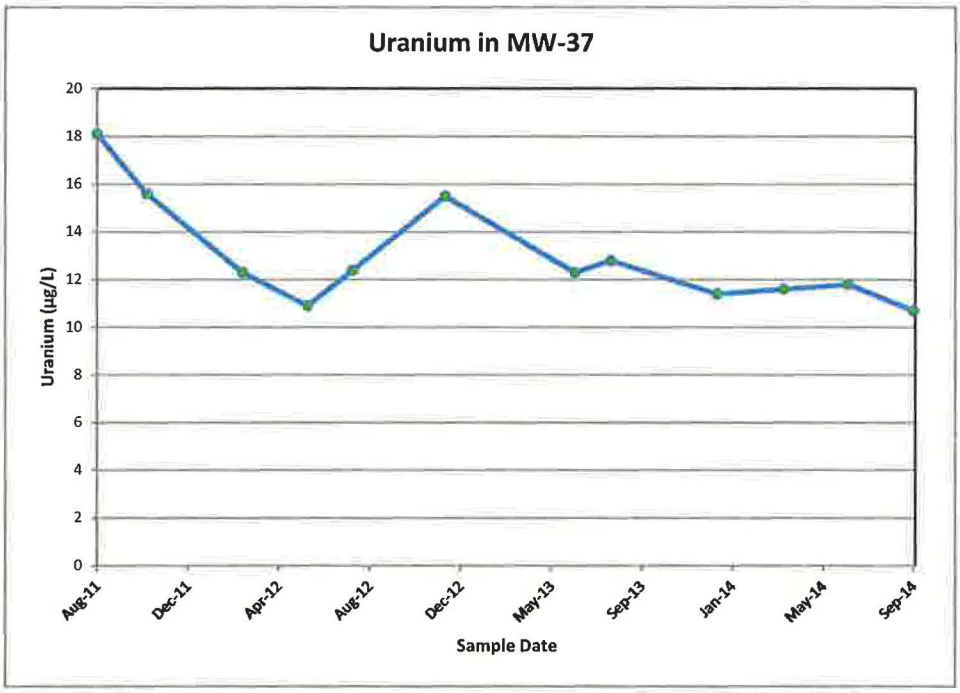


Detected Values

Non-Detected Values

Time concentration plots for MW-37





Detected Values

Non-Detected Values

Tab J

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Wednesday, November 05, 2014 9:55 AM
To: Rusty Lundberg
Cc: 'Phil Goble'; Thomas Rushing; Harold Roberts; David Frydenlund; Jaime Massey; David Turk; Scott Bakken; Dan Hillsten
Subject: Transmittal of CSV Files White Mesa Mill 2014 Q3 Groundwater Monitoring
Attachments: Q3 2014 GW Data.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 third quarter of 2014, 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

Tab K

MW-28 Repair Report

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

July 2, 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: Energy Fuels Resources (USA) Inc. Monitoring Well Repair Notification for MW-28 at White Mesa Uranium Mill, Blanding Utah

Dear Mr. Lundberg:

On May 28, 2014, Energy Fuels Resources (USA) Inc. ("EFRI") notified Utah Division of Radiation Control ("DRC") personnel of damage noted to Monitoring Well 28 ("MW-28"). The damage was noted by EFRI Environmental Staff during routine, quarterly sampling activities. This letter documents the investigation into the cause of the damage and the repairs completed.

Incident Description

- On May 28, 2014, during routine, quarterly, sampling activities, EFRI Environmental Staff noted damage to MW-28. Upon arrival at MW-28, EFRI Environmental Staff noticed that the there was evidence that a vehicle had struck the outer protective metal casing of MW-28 and it was slightly bent and leaning to the west (see Photograph Number 1). Inspection of the inner, 10-inch PVC protective casing and the 4-inch well casing also showed signs of damage. The concrete seal between the 10-inch casing and the 4-inch casing was cracked and EFRI Environmental Staff noted that the 2 inner PVC casings were likely cracked and/or broken.

- The Environmental Staff noted that the metal casing lid was broken off (see Photograph 1) and a portion of the dedicated pump tubing had slipped into the well. The tubing was retrieved. When the static water level was measured, approximately 2 feet of the probe and tape were covered with mud and debris.

- Upon discovery of the damage on May 28, 2014, EFRI Environmental Staff contacted the EFRI Quality Assurance Manager ("QAM") via text message. The EFRI QAM notified DRC personnel in person, while at the DRC offices in Salt Lake City.

- An incident investigation was started on May 28, 2014 in response to the damage to MW-28.

Incident Investigation Results

- There was an incident on the weekend on May 17, and May 18, 2014 that involved a pickup truck. The pickup truck was found with damage to the right passenger side bumper and rear right tire on May 19, 2014. The bumper was dented and the fiberglass broken. The employee in possession of the pickup truck stated that a rock had done the damage.

- Immediately upon discovery of the damage to MW-28 on May 28, 2014, the Operation Superintendent took the damaged truck out to the well and the damage on the bumper matched the damage on the casing. The employee was contacted for further details to discuss the latest findings and observations.

- The employee again stated that the damage resulted from hitting a rock. Surveillance video from May 17 through May 19, 2014 was reviewed. The video confirmed the timeframe of the damage and indicated that the source of the damage was not a rock. The employee was terminated.

Summary of Repairs

- On Monday, June 2, 2014 Environmental Staff and Bayles Exploration examined MW-28 to assess the damage and determine if the well could be repaired.

- On June 2, 2014, a backhoe was used to excavate the perimeter of the well casings to expose any damage. Damage to the outer steel protective casing, the 2-inner PVC casings, and the sealing concrete between the 2 PVC casings was noted at approximately 3.5 feet below ground surface ("bgs"). The broken section of all three casings was removed during the excavation (see Photograph 2 and Photograph 3).

- Concrete chips and PVC debris fell into the well during the excavation and wedged the dedicated pump in place.

- The dedicated pump lines were attached to the backhoe bucket in an effort to retrieve the pump. The pump was successfully retrieved with no additional damage to the well. The pump and all sampling lines were discarded (see Photograph 2).

- After the pump was removed, the well opening was covered to prevent any further debris from falling into the well (see Photograph 4).

- The 2 PVC casings and the sealing concrete were cut with a utility saw to provide a straight edge for the repairs (see Photographs 5 and 6).

- The inner 4-inch casing was repaired using a "slip cap" to join the old casing and the new casing (see Photographs 7 and 8). Glues and adhesives were not used when joining the casings and slip cap.

- A new piece of 10-inch outer PVC casing was added to the well (see Photograph 9). The new casing was joined to the old casing using a "bell joint". Glues and adhesives were not used when joining the casings.

- Well plug (cement) was added between the 4-inch and 10-inch casing (see Photograph 10).

- A new outer steel protective casing was added.

- On June 5, 2014, Bayles Exploration removed the debris in the bottom of the well resulting from the damage. The Environmental Staff then overpumped the well and removed over 4 casing volumes to redevelop the well (Attachment A).

- The new measuring point on the top of the casing ("TOC") was surveyed by a Registered Utah Land Surveyor (Attachment B).

- The well was sampled and the routine, second quarter sample was collected on June 18, 2014.

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

Yours very truly,

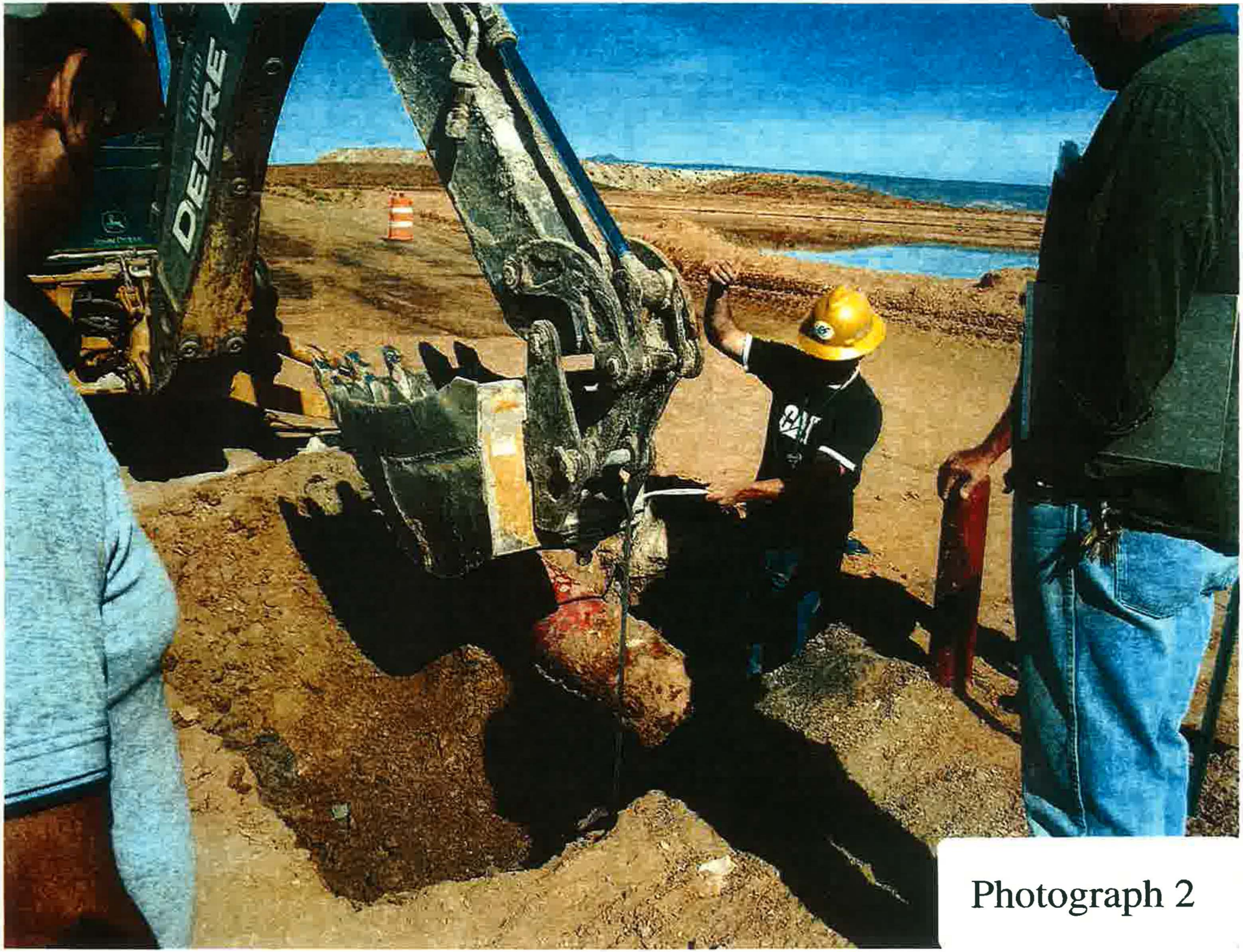
Kathy Weinel

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

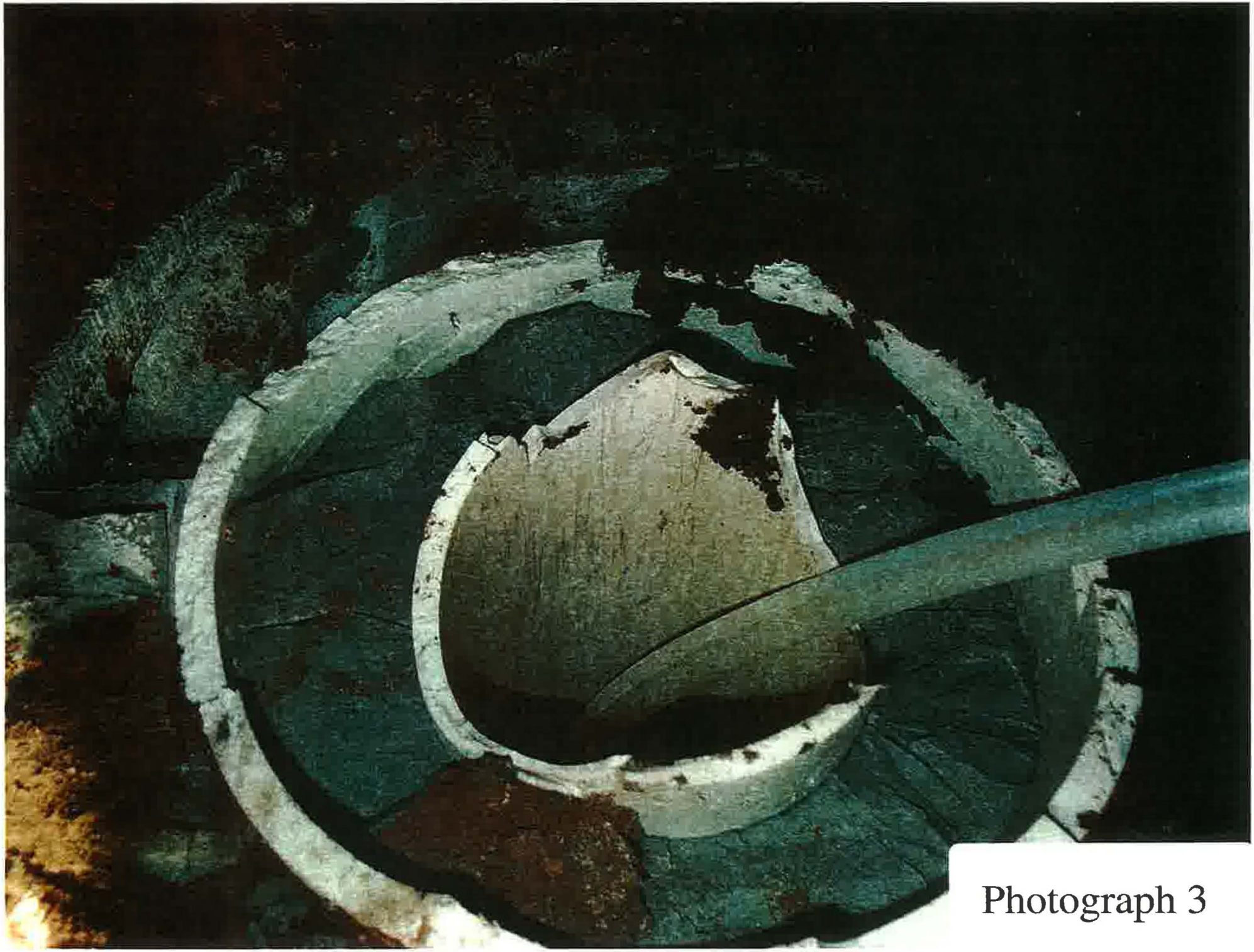
cc: David C. Frydenlund
Harold R. Roberts
David E. Turk
Dan Hillsten

Photographs

Photograph 1



Photograph 2



Photograph 3

Photograph 4

Photograph 5

Photograph 6

Photograph 7

Photograph 8

Photograph 9

Photograph 10

Attachment A

OVERPUMPING WELL DEVELOPMENT DATA

Well Number: _____

Initial Depth to Bottom (0.01ft): 105 Initial Depth to Bottom (0.01ft): _____

Initial Depth to Water (0.01ft): 75.55 Final Depth to Bottom (0.01ft): _____

Date Installed: _____ Well Number: MW-28

Pump Type: Grundfos Pump Rate: 11 GPM Casing Volume: 19.23

3cv = 57.69

	Date	Time	Volume of Water Removed	pH	Specific Conductance	Temp	Turbidity	Notes (color, clarity, particulates etc.)
	6/5/14	1005	11	6.05	3915	15.72	18.7	clear
	"	1006	22	6.47	3881	15.60	21.0	cloudy
			pump ran for 2 minutes 30 seconds, well ran Dry					
			Pumped 27.5 Gallons					
DTW 76.30	6/5/14	1156	11	6.67	4112	16.05	19.7	Muddy
	"	1157	22	6.66	4250	15.63	7.2	clear
			Pump ran for 2 minutes and 20 seconds					
			Pumped 25.6 Gallons					
DTW 76.25	6/5/14	1413	11	7.67	4210	16.40	7.67	murky/cloudy
	"	1414	22	7.23	4364	16.00	7.23	clear
			Pump ran for 2 minutes and 20 seconds well ran dry.					
			Pumped 25.6 Gallons.					
			Pumped a total of 78.7 Gallons					

Casing Volume Calculation:

Volume (in gallons) = (h)(cf)

Where:

h = height of the water column in feet

cf = Conversion factor (2 inch = 0.1632, 3 inch = 0.3672, 4 inch = 0.6528, 6 inch = 1.4688)

Attachment B

Energy Fuels Resources (USA) Inc.
850 East Highway 89A, PO Box 897
Fredonia, AZ 86022
928 643 6185, fax 928 643 6186
www.energyfuels.com

June 12, 2014

Energy Fuels Resources (USA) Inc.
c/o Garrin Palmer
6425 South Highway 191
P.O. Box 809
Blanding, Utah 84511

Garrin,

Attached are the following:

1. Monitoring Wells May 2014

SURVEYOR'S CERTIFICATE

I , Michael W. Purdy a Registered Utah Land Surveyor do hereby certify that I hold a license in accordance with title 58, chapter 22, professional engineers and land surveyors licensing act, Utah code annotated, 1953 as amended, certificate no. 334571. I further certify that these reports correctly show a survey made under my direct supervision.

PROFESSIONAL LAND SURVEYOR
Michael W. Purdy
334571
6-12-14
STATE OF UTAH

Energy Fuels Resources - Monitoring Well Information - June 2014						
Coordinate System: Modified Utah State Plane - NAD83 - South Zone - US Survey Feet						
					Using Fisher Survey Vertical Datum	
Well #	**Northing**		**Easting**		**Top Casing Elev.**	**Ground Elev.**
MW-28	10164465.69		2217615.744		5619.78	5618.33

PROFESSIONAL LAND SURVEYOR
Michael W. Purdy
334571
6-12-14
STATE OF UTAH