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November 26, 2012

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 2012 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 2012 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,

A handwritten signature in blue ink that reads 'Jo Ann Tischler'.

ENERGY FUELS RESOURCES (USA) INC.
Jo Ann Tischler
Director, Compliance

cc: David C. Frydenlund
Harold R. Roberts
David E. Turk
Katherine A. Weinel
Central Files

White Mesa Uranium Mill
Groundwater Monitoring Report

State of Utah
Groundwater Discharge Permit No. UGW370004

3rd Quarter
(July through September)
2012

Prepared by:

Energy Fuels Resources (USA) Inc.
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Lakewood, CO 80228

November 26, 2012

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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 2012 (the "quarter") for Energy Fuels Resources (USA) Inc's. ("EFRI's") White Mesa Uranium Mill (the "Mill"). As required under Parts I.E.1, I.E.2 and I.E.5 of the GWDP this Report includes all recorded field measurements and laboratory analyses for well monitoring conducted during the quarter.

1.1 Groundwater Discharge Permit Modifications during the Quarter

During the third quarter of 2012, the approved July 14, 2011 GWDP was revised on August 24, 2012. The revision incorporated the EFRI name change from Denison Mines (USA) Corp. No changes were issued to the Groundwater Compliance Limits ("GWCLs") specified in Table 2 or to the groundwater monitoring program described herein.

2.0 GROUNDWATER MONITORING

2.1 Samples and Measurements Taken During the Quarter

A map showing the location of all 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 (July through September), as discussed in the remainder of this section.

2.1.1 Groundwater Compliance Monitoring

Groundwater samples and field measurements collected during the quarter included quarterly, semi-annual and accelerated monitoring. Accelerated monitoring is discussed below in Section 2.1.2. In the narrative in Sections 2 and 3 of this quarterly report, samples classified as being collected quarterly include those wells which are sampled every quarter and the wells sampled semi-annually. Wells which are sampled routinely every quarter and semi-annually were analyzed for the parameters listed in Table 2 and Part I.E.1.c) 2) ii of the GWDP dated July 14, 2011 and August 24, 2012.

Table 1 of this report provides an overview of all 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. During this quarter, three wells and one duplicate were resampled. The following is a list of wells which were resampled and the reason for the resampling effort:

- MW-26 and MW-65 (duplicate of MW-26) were resampled for volatile organic compounds (“VOCs”) due to a laboratory issue which resulted in poor agreement between the sample (MW-26) and the duplicate (MW-65).
- MW-28 was resampled for manganese. Manganese exceeded the GWCL in MW-28 in second quarter 2012. MW-28 was accelerated for manganese in third quarter 2012. The second sample collected for MW-28 during the third quarter was analyzed for manganese.
- MW-29 was resampled for Total Dissolved Solids (“TDS”) and manganese. Manganese and TDS exceeded their respective GWCLs in MW-29 in second quarter 2012. MW-29 was accelerated for manganese and TDS in third quarter 2012. The second sample collected for MW-29 during the third quarter captured manganese and TDS.

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

A requirement was added to the GWDP on February 15, 2011, which required the Mill to begin quarterly sampling of wells MW-35, MW-36 and MW-37 to develop eight quarters of background data. MW-35, which was installed in the third quarter 2010, has been sampled quarterly since the fourth quarter of 2010. With the third quarter 2012 sample, eight full quarters of data have been collected for MW-35. Preliminary statistical analysis of the MW-35 data showed extremes in the TDS data. Per the logic flow diagram included as Figure 17 of the *New Wells Background Report* (INTERA, 2008), extreme values are excluded from the background calculations. The removal of the extremes resulted in less than the eight required data points needed for background calculations. DRC personnel agreed via telephone on October 3, 2012 that EFRI should delay the submission of the MW-35 background report until at least eight quarters of usable data, suitable for background calculations, were collected for all constituents. DRC and EFRI agreed that the background report for MW-35 would be submitted in first quarter 2013 if at least eight quarters of data were collected for every constituent by that time. If there are not eight data points for each constituent, DRC and EFRI would discuss an alternate schedule or further actions.

MW-36 and MW-37, which were installed during the second quarter of 2011, were sampled for the first time during the second quarter of 2011. Quarterly samples will

continue to be collected until 8 quarters of data are available to complete the background report as required by the GWDP.

2.1.4 Parameters Analyzed

All routine quarterly and semi-annual groundwater monitoring samples were analyzed for the parameters listed in Table 2 and Part I.E.1.c) 2) ii of the GWDP dated July 14, 2011 and 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.2 of the GWDP dated February 15, 2011:

- The quarterly groundwater compliance monitoring wells (including, MW-34).
- Existing monitoring well MW-4 and all of 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 all wells sampled during quarterly and accelerated efforts, regardless of the sampling purpose.

All 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 all field data sheets recorded in association with the quarterly effort (sampled in July) for the groundwater compliance monitoring wells referred to in paragraph 2.1.1, above. Sampling dates are listed in Table 1. Tab B also includes field data sheets for all resampling efforts conducted during this quarter.

Attached under Tab C are copies of all field data sheets recorded in association with the August and September 2012 accelerated monitoring and sampling efforts.

2.3 Laboratory Results - Quarterly Sampling

2.3.1 Copy of Laboratory Results

All analytical results are provided by one of the Mill's two contract analytical laboratories EL or AWAL.

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

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

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

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

2.3.2 Regulatory Framework and Groundwater Background

Under the GWDP dated July 14, 2011 and 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 all monitoring wells except MW-35. It is important to note that the GWDP dated February 15, 2011 also set GWCLs for MW-35. The GWCLs for MW-35 have been set at one-quarter of the Utah Groundwater Quality Standard ("GWQS"), pending determination of background for the well, and are not based on eight quarters of data from that well. A background report for MW-35 will be completed after the collection of eight quarters of data for all constituents.

Exceedances of the GWCLs 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 July 14, 2011 and August 24, 2012. Table 3 shows the accelerated sampling program which 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 all sample results, and do not necessarily represent impacts to groundwater from Mill operations.

2.4 Laboratory Results – Accelerated Monitoring

2.4.1 Copy of Laboratory Results

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

2.4.2 Regulatory Framework and Groundwater Background

As a result of the issuance of a revised GWDP on January 20, 2010, which sets revised GWCLs, all 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 which 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. Analytes which exceeded their respective GWCLs during 2010 are currently sampled on an accelerated schedule. A review of the accelerated data collected during the quarter indicate that several analytes have exceeded their respective GWCLs for two consecutive sampling periods as reported in EFRI’s letter to DRC on November 15, 2012. Table 3 summarizes the results of the accelerated sampling program from first quarter 2010 through third quarter 2012.

Part I.G.1 c) of the GWDP states, with respect to exceedances of GWCLs, “that the Permittee shall prepare and submit within 30 calendar days to the Executive Secretary a plan and a time schedule for assessment of the sources, extent and potential dispersion of the contamination, and an evaluation of potential remedial action to restore and maintain groundwater quality to insure that Permit limits will not be exceeded at the compliance monitoring point and that DMT or BAT will be reestablished.” EFRI submitted an exceedance notice on November 15, 2012 for the third quarter 2012 results. The summary in the Exceedance Notice includes, for each exceedance, a brief discussion of whether such a plan and schedule is required at this time in light of other actions currently being undertaken by EFRI, as determined by DRC Staff and stated in

teleconferences with EFRI on April 27 and May 2, 2011 and the Stipulated Consent Agreement (“SCA”) dated July 12, 2012.

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 all 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 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 3.4.10 below.

The Analytical Laboratories have provided summary reports of the analytical QA/QC measurements necessary to maintain conformance with National Environmental Laboratory Accreditation Conference (“NELAC”) certification and reporting protocol. The analytical laboratory QA/QC Summary Reports, including copies of the Mill’s Chain of Custody and Analytical Request Record forms for each set of Analytical Results, follow the analytical results under Tabs E and F. Results of review of the laboratory QA/QC information are provided under Tab G and discussed in Section 3.4, below.

3.1 Field QC Samples

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

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

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

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

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

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

Accelerated monthly monitoring was no longer required for tetrahydrofuran (“THF”) in MW-11 after April 2012, per DRC correspondence dated April 16, 2012, therefore, an accelerated monthly sample and the associated trip blank were not necessary in the August and September 2012 monthly sampling events.

Rinsate samples were not collected during the quarter because all 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 blank samples are required. MW-37 was sampled with a disposable bailer and no rinsate blank was required. A deionized field blank (DIFB) 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 QAPs were being adhered to and that the SOP's were implemented, except as described below.

3.3 Analyte Completeness Review

All 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.

3.4 Data Validation

The QAPs 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 performed 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 all field recorded parameters to assess their adherence with QAP requirements. The assessment involved review of two sources of information: the Field Data Sheets and the Quarterly Depth to Water summary sheet. Review of the Field Data Sheets addresses well purging volumes and the stability of the following field parameters (based upon the purging method chosen): conductance, pH, temperature, redox potential, and turbidity. Stability of field parameters and well sampling techniques are dependent on the purging technique employed. Review of the Depth to Water data confirms that all 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% RPD)
3. Purging a well to dryness and stability of a limited list of field parameters after recovery

During both the third quarter 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 four wells that were purged to dryness: MW-03A, MW-23, MW-24, and MW-37.

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

Review of field sheets indicated that MW-03A, MW-23 and MW-24 were purged dry after two casing volumes were removed. Because these wells were purged dry, the requirements 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 was employed. Stabilization of pH, conductivity and temperature were within the QAP, Revision 7.2 required 10% RPD.

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 will follow 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 all of the quarterly and semi-annual wells except MW-12, MW-25, MW-29, MW-29 resample, MW-32 and MW-37. Per the QAP, Revision 7.2, Attachment 2-3, Turbidity measurements prior to sampling were within a 10% RPD for all quarterly and semi-annual wells except MW-03A, MW-23, MW-24, and MW-37. In all instances these wells were purged to dryness either before two casing volumes were removed (MW-37) or immediately after two casing volumes were removed. Because these wells were purged to dryness, per the QAP, Revision 7.2 Attachment 2-3 turbidity is not required to be measured. The turbidity measurement is provided for information purposes only.
- Turbidity measurements were less than 5 NTU for all of the August and September accelerated sampling wells except MW-31 in the September monthly event. As previously stated, the QAP does not require that turbidity be less than 5 NTU. Turbidity measurements prior to sampling were within a 10% RPD for all accelerated sampling wells

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

During review of all 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. All samples were received and analyzed within the required holding time except the VOCs in the September monthly sample of MW-26 and the associated trip blank, which, due to laboratory error, were analyzed outside of the holding time. Corrective actions for this deviation are discussed in Section 4.0.

3.4.3 Receipt Temperature Evaluation

Chain of Custody sheets (for AWAL) and temperature blank data sheets (for EL) 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. All quarterly, semi-annual and accelerated samples were received within the required temperature limit.

It is important to note that per Table 1 in the approved QAP, samples submitted for metals and gross alpha analyses do not have a sample temperature requirement. The metals and gross alpha analyses were shipped with analyses that do have a temperature requirement and as such were shipped on ice.

3.4.4 Analytical Method Checklist

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

3.4.5 Reporting Limit Evaluation

All analytical method reporting limits reported by both laboratories were checked against the reporting limits specified in the QAP Table 1. Reporting limit evaluations are provided in Tab G. All analytes were measured and reported to the required reporting limits except that several sets of quarterly, semi-annual and accelerated sample results had the reporting limit raised for at least one analyte due to matrix interference and/or

sample dilution as noted in Section 3.4.9. In all cases the reported value for the analyte was higher than the increased detection limit.

3.4.6 Trip Blank Evaluation

All 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. All trip blank results associated with both the quarterly, semi-annual and accelerated samples were less than detection level for all 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 all 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.

All duplicate results were within a 20% RPD in the quarterly and semi-annual samples. Results of the RPD test are provided under Tab G.

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

3.4.8 Radiologics Counting Error and Duplicate Evaluation

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

Section 9.4 of the QAP also requires a comparability check between the sample and field duplicate sample results utilizing the formula provided in the text.

Results of quarterly, semi-annual, and accelerated radiologic sample QC are provided under Tab G. All 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 all revisions of the QAP require 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. All lab QA/QC results from both EL and AWAL samples for compounds regulated under the GWDP met these requirements. There were QC results which did not meet laboratory established acceptance limits, as identified in Tab G and described below.

Multiple sets of quarterly, semi-annual and accelerated sample results had the reporting limit raised for at least one analyte due to matrix interference and/or sample dilution. In all cases the reported value for the analyte was higher than the increased detection limit. Data are qualified by the laboratory with a "D" flag when the reporting limit is raised due to dilution or matrix interferences.

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.
- For method E900.1, used to determine gross alpha, a sample duplicate was used instead of a MSD.

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

The QAP, Section 8.1.2 require that a MS/MSD pair be analyzed with each analytical batch. The QAPs do 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, were 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 all quarterly and semi-annual samples were within acceptable laboratory limits for all regulated compounds except as indicated in Tab G. The EL MS 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. Matrix interferences are applicable to the individual sample results only. Furthermore, several of the MS/MSD samples in Work Order Numbers C12070448, C12070741, C12080830, and C12080143, which were spiked for the MS/MSD analyses, were not collected at the Mill, and as such the matrix interference is not applicable to the Mill samples reported herein. 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 all accelerated samples were within acceptable laboratory limits for all 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. Furthermore, the MS/MSD sample in Work Order Number C12090804 that was spiked for the MS/MSD analyses, were not collected at the Mill, and as such the matrix interference is not applicable to the Mill samples reported herein. 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 all quarterly, semi-annual and accelerated samples were within acceptable laboratory limits for all surrogate compounds except as indicated in Tab G. The surrogate compounds outside of acceptance limits, are most likely the result of laboratory spiking compound degradation. This is apparent because the same surrogate compound was outside of compliance limits in all samples analyzed within a specific period of time and in the same Work Order. There is no effect on the quality or usability of the data because there are multiple surrogates added to each sample and all other surrogates were within limits. Furthermore, there are no requirements in the QAP for surrogate recoveries. Since surrogate compounds were added to all of the organic analyses as required by the QAP, the data are compliant with the requirements in the QAP.

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 all LCS compounds except as noted in Tab G. As indicated on Tab

G, the LCS recoveries which were outside of acceptance limits were noted for the same analysis within the same month. The LCS recoveries outside of acceptance limits are most likely due to poor spiking techniques. It is important to note that there is no requirement in the QAP for LCS recovery assessment.

All revisions of the QAP, Section 8.1.2 requires that each analytical batch shall be accompanied by a method blank. All 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 all 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 order of magnitude greater than the blank result. One analyte was reported in the method blanks from EL for the quarterly samples. Method blank results are included in Tab E. In all cases where the associated sample reported a positive detection, the method sample results were greater than an order of magnitude relative to the method blank results reported, that is the detections meet the QAP criteria. The method blank detections reported by EL do not affect the quality or usability of the data due to 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 requirement in the QAP to analyze a method blank with each batch and evaluate the results has been completed as required.

4.0 CORRECTIVE ACTION REPORT

There is one corrective action resulting from third quarter 2012 groundwater sampling event.

Necessary corrective actions identified during the current monitoring period are described below, in accordance with Part I.F.1.e of the GWDP

Identification and Definition of the Problem

The September monthly VOC sample from MW-26 and the associated trip blank were analyzed outside of the required holding time. All other samples were analyzed within the required holding time. This deviation was due to laboratory error. EFRI was not informed by the laboratory of the holding time issue until October 12, 2012 which prevented resampling of the September monthly compliance sample.

Assignment of Responsibility for Investigation of the Problem

The problem has been investigated by the QA Manager.

Investigation and Determination of Cause of the Problem

The samples were collected on September 19, 2012 and were received by the laboratory on September 21, 2012 which is more than sufficient time to analyze two samples from this sampling event within the required holding time, i.e. the monthly sampling events conducted by EFRI contain only one groundwater sample and one trip blank for the analysis of VOCs. The samples were analyzed on October 6, 2012.

Determination of a Corrective Action to Eliminate the Problem

The samples were analyzed outside of the required holding time due to laboratory error. The samples were received with more than sufficient time to complete the analysis of two samples within the required holding time. EFRI has determined this issue is related to the laboratory and not due to the action or inaction of EFRI. In order to prevent the recurrence of these types of laboratory errors which have increased in recent periods, EFRI has decided to change analytical laboratories. EFRI has completed negotiations with alternate Utah-certified laboratories and has changed laboratories for the fourth quarter 2012 sampling event.

Assigning and Accepting Responsibility for Implementing the Corrective Action

It will be the joint responsibility of the Director, Compliance and the Quality Assurance Manager to contract alternate Utah-certified laboratories.

Implementing the Corrective Action and Evaluating Effectiveness

EFRI has contacted the current laboratory to make them aware of the issues. In addition, EFRI has contracted with alternate Utah-certified laboratories for the fourth quarter 2012 sampling event. The sample receipt data will be assessed as samples are received at the new laboratories to determine if any further action is necessary.

Verifying That the Corrective Action Has Eliminated the Problem

Verification that samples are analyzed within required holding time, will occur during the assessment of data collected from the fourth quarter 2012 sampling event.

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. All data points collected to date are reflected on the plots.

Time concentration plots included in groundwater reports prior to and including first quarter 2012 did not include data which were determined to be outliers using the statistical methods used for the background determinations at the Mill. Based on

conversations with DRC, all data have been included in the current quarterly time concentration plots. All future time concentration plots will include all data points.

6.0 ELECTRONIC DATA FILES AND FORMAT

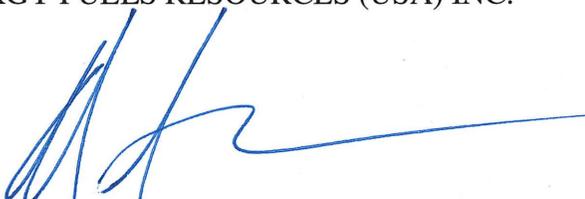
EFRI has provided to the Executive Secretary electronic copies of all laboratory results from groundwater quality monitoring conducted during the quarter in Comma Separated Values (“CSV”) format. A copy of the transmittal e-mail is included under Tab J.

7.0 SIGNATURE AND CERTIFICATION

This document was prepared by Energy Fuels Resources (USA) Inc. on November 26, 2012.

ENERGY FUELS RESOURCES (USA) INC.

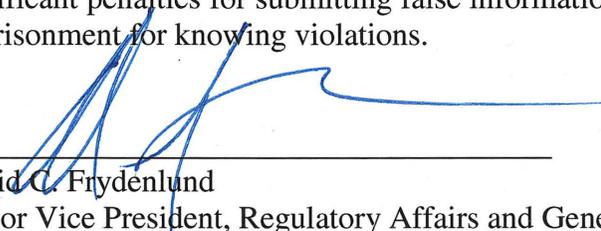
By:



David C. Frydenlund
Senior Vice President, Regulatory Affairs and General Counsel

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.



David C. Frydenlund
Senior Vice President, Regulatory Affairs and General Counsel
Energy Fuels Resources (USA) Inc.

Tables

Table 1: Summary of Well Sampling for Q3 2012

Well	Normal Frequency	Purpose for Sampling this Quarter	Sample Date	Date of Lab Report
Quarterly Samples				
MW-11	Quarterly	Quarterly	7/11/2012	8/10/2012 [8/28/2012]
MW-14	Quarterly	Quarterly	7/11/2012	8/10/2012 [8/28/2012]
MW-25	Quarterly	Quarterly	7/10/2012	8/10/2012 [8/28/2012]
MW-26	Quarterly	Quarterly	7/11/2012	8/10/2012 [8/28/2012]
MW-26 resample*	Quarterly	Quarterly	8/16/2012	8/30/2012
MW-30	Quarterly	Quarterly	7/10/2012	8/10/2012 [8/28/2012]
MW-31	Quarterly	Quarterly	7/9/2012	8/10/2012 [8/28/2012]
MW-35	Quarterly	Background	7/10/2012	8/10/2012 [8/28/2012]
MW-36	Quarterly	Background	7/11/2012	8/10/2012 [8/28/2012]
MW-37	Quarterly	Background	7/30/2012	8/24/2012 [8/14/2012]
MW-65	1 per Batch	Duplicate of MW-26	7/11/2012	8/10/2012 [8/28/2012]
MW-65 resample*	1 per Batch	Duplicate of MW-26	8/16/2012	8/30/2012
Accelerated Samples				
Accelerated Quarterly Samples				
MW-2	Semi-annually	Accelerated	7/16/2012	8/14/2012
MW-3	Semi-annually	Accelerated	7/18/2012	8/14/2012
MW-3A	Semi-annually	Accelerated	7/19/2012	8/14/2012
MW-5	Semi-annually	Accelerated	7/16/2012	8/14/2012
MW-12	Semi-annually	Accelerated	7/17/2012	8/14/2012
MW-15	Semi-annually	Accelerated	7/17/2012	8/14/2012
MW-18	Semi-annually	Accelerated	7/18/2012	8/14/2012
MW-19	Semi-annually	Accelerated	7/19/2012	8/14/2012
MW-23	Semi-annually	Accelerated	7/17/2012	8/14/2012
MW-24	Semi-annually	Accelerated	7/18/2012	8/14/2012
MW-27	Semi-annually	Accelerated	7/16/2012	8/14/2012
MW-28	Semi-annually	Accelerated	7/16/2012	8/14/2012
MW-28 Resample	Semi-annually	Accelerated	8/1/2012	8/24/2012
MW-29	Semi-annually	Accelerated	7/10/2012	8/10/2012
MW-29 Resample	Semi-annually	Accelerated	8/1/2012	8/24/2012
MW-32	Semi-annually	Accelerated	7/9/2012	8/10/2012
MW-70	1 per Batch	Duplicate of MW-03	7/18/2012	8/14/2012
Accelerated August Monthly				
MW-11	Monthly	Accelerated	8/7/2012	9/5/2012
MW-14	Monthly	Accelerated	8/7/2012	9/5/2012
MW-25	Monthly	Accelerated	8/6/2012	9/5/2012
MW-26	Monthly	Accelerated	8/8/2012	9/5/2012
MW-30	Monthly	Accelerated	8/7/2012	9/5/2012
MW-31	Monthly	Accelerated	8/6/2012	9/5/2012
MW-35	Monthly	Accelerated	8/8/2012	9/5/2012
MW-65	1 per Batch	Duplicate of MW-14	8/7/2012	9/5/2012
Accelerated September Monthly				
MW-11	Monthly	Accelerated	9/19/2012	10/17/2012
MW-14	Monthly	Accelerated	9/18/2012	10/17/2012
MW-25	Monthly	Accelerated	9/18/2012	10/17/2012
MW-26	Monthly	Accelerated	9/19/2012	10/17/2012
MW-30	Monthly	Accelerated	9/19/2012	10/17/2012
MW-31	Monthly	Accelerated	9/18/2012	10/17/2012
MW-35	Monthly	Accelerated	9/19/2012	10/17/2012
MW-65	1 per Batch	Duplicate of MW-35	9/19/2012	10/17/2012

Notes:

Date in brackets depicts the date that tetrahydrofuran and tin were reported from American West Analytical Laboratories. All other VOCs and metals were reported from Energy Laboratories.

* MW-26 and MW-65 were resampled for VOCs only due to poor sample/duplicate agreement.

Table 2

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 Sampling¹							
MW-11 (Class II)	Manganese (ug/L)	131.29	134	Quarterly	Monthly	Q1 2010	May 2010
MW-14 (Class III)	Manganese (ug/L)	2230.30	2360	Quarterly	Monthly	Q2 2012	August 2012
	Field pH (S.U.)	6.5 - 8.5	6.45	Quarterly	Monthly	Q1 2010	May 2010
MW-25 (Class III)	Uranium (ug/L)	6.5	6.57	Quarterly	Monthly	Q3 2010	January 2011
	Field pH (S.U.)	6.5 - 8.5	6.36	Quarterly	Monthly	Q4 2010	January 2011
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	1.3	Quarterly	Monthly	Q1 2010	May 2010
	Uranium (ug/L)	41.8	58.7	Quarterly	Monthly	Q1 2010	May 2010
	Chloroform (ug/L)	70	700	Quarterly	Monthly	Q1 2010	May 2010
	Chloride (mg/L)	58.31	72	Quarterly	Monthly	Q1 2010	May 2010
	Methylene Chloride (ug/L)	5	9.9	Quarterly	Monthly	Q2 2010	June 2010
	Field pH (S.U.)	6.74 - 8.5	6.59	Quarterly	Monthly	Q1 2010	May 2010
	TDS (mg/L)	3284.19	3440	Quarterly	Monthly	Q3 2010	January 2011
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	9.83	Quarterly	Monthly	Q4 2011	March 2012
	Field pH (S.U.)	6.5 - 8.5	5.66	Quarterly	Monthly	Q3 2011	July 2011
	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
	Field pH (S.U.)	6.5 - 8.5	6.16	Quarterly	Monthly	Q3 2011	July 2011
	Selenium (ug/L)	71	74	Quarterly	Monthly	Q3 2012	December 2012
MW-35 (Class II)	Chloride (mg/L)	143	145	Quarterly	Monthly	Q1 2011	May 2011
	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 Sampling¹							
Monitoring Well	Constituent Exceeding GWCL	GWCL in	First Result	Sample	Accelerated	Exceedance	Start of Accelerated
MW-2 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.2	3.5	Semi-Annually	Quarterly	Q4 2010	Q1 2011
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
	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
	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	6.47	Semi-Annually	Quarterly	Q4 2010	Q1 2011
	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
	Iron (ug/L)	81.7	137	Semi-Annually	Quarterly	Q4 2011	Q1 2012
MW-18 (Class III)	Thallium (ug/L)	1.95	3.73	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Sulfate (mg/L)	1938.9	1950	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Field pH (S.U.)	6.25-8.5	6.2	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	TDS (mg/L)	3198.77	3280	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-19 (Class III)	Nitrate + Nitrite (as N) (mg/L)	2.83	4	Semi-Annually	Quarterly	Q4 2011	Q1 2012
	Field pH (S.U.)	6.78-8.5	6.61 (6.66)	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-23 (Class III)	Manganese (ug/L)	550	551	Semi-Annually	Quarterly	Q4 2011	Q1 2012
	Field pH (S.U.)	6.5 - 8.5	6.18	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-24 (Class III)	Cadmium (ug/L)	2.5	4.28	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	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
	TDS (mg/L)	1075	1160	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	5.8	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Chloride (mg/L)	38	42	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Gross Alpha minus Rn & U (pCi/L)	2	2.4	Semi-Annually	Quarterly	Q4 2010	Q1 2011
	Sulfate (mg/L)	462	469	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Field pH (S.U.)	6.5 - 8.5	6.39	Semi-Annually	Quarterly	Q3 2011	Q4 2011
MW-28 (Class III)	TDS (mg/L)	1075	1160	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Chloride (mg/L)	105	108	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Manganese (ug/L)	1837	1850	Semi-Annually	Quarterly	Q2 2012	Q3 2012
	Field pH (S.U.)	6.1 - 8.5	5.67	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-29 (Class III)	Field pH (S.U.)	6.46 - 8.5	6.17	Semi-Annually	Quarterly	Q4 2010	Q2 2011
	Manganese (ug/L)	5624	6140	Semi-Annually	Quarterly	Q2 2012	Q3 2012
	TDS (mg/L)	4400	4600	Semi-Annually	Quarterly	Q2 2012	Q3 2012
	Iron (ug/L)	1869	3010	Semi-Annually	Quarterly	Q3 2011	Q4 2011
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 July 14, 2011 and August 24, 2012 versions of the GWDP sample period.

Highlighted text shows accelerated requirements resulting from Q3 2012 sampling event.

Pursuant to the August 28, 2012 DRC letter these constituents will no longer be monitored (TDS) or reported (field pH) under an accelerated schedule. Monitoring and reporting will return to the regular frequency in the 4th quarter 2012.

Table 3 – GWCL Exceedances Third Quarter 2012 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	2/10/10	134	4/28/10	137	5/24/10	122	6/16/10	99	7/20/10	123	8/25/10	138	9/8/10	128	10/20/10	141	11/11/10	133	12/15/10	158		
MW-14 (Class III)	Manganese (ug/L)	2230.30	2/2/10	2060	4/21/10	2070	5/21/10	NA	6/16/10	NA	7/20/10	NA	8/25/10	NA	9/8/10	1920	10/20/10	NA	11/10/10	1980	12/15/10	NA		
	Field pH (S.U.)	6.5 - 8.5		6.45		6.29		6.36		6.45		7.19		6.48		6.51		6.60		6.37		6.47		
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	2/26/2010	6.53	4/28/2010	7.2	NS	NA	NS	NA	NS	NA	NS	NA	9/8/2010	6.58	NS	NA	11/10/10	6.36	NS	NA		
	Uranium	6.5		5.93		6.43	NS	NA	NS	NA	NS	NA	NS	NA		6.57	NS	NA		5.89	NS	NA		
MW-26 (Class III)	Nitrate + Nitrite (as N) (mg/L)	0.62	2/2/10	1.3	4/22/10	2	5/21/10	0.3	6/16/10	0.4	7/21/10	0.6	8/16/10	0.6	9/26/10	0.7	10/20/10	0.4	11/15/10	0.2	12/15/10	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		48		52	1900	1400
	Chloride (mg/L)	58.31		72		57		80		47		52		49		64		52		48		64	6.49	6.45
	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		6.49	6.49	6.45
	Dichloromethane (Methylene Chloride) (ug/L)	5		1		NR		2.2		12		24		45		5.5		16		1.2				
	TDS (mg/L)	3284.19		3100		3280		NS		NS		NS		NS		3440		NS		3140		NS	3140	NS
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	2/9/10	16.1	4/27/10	15.8	5/21/10	17	6/15/10	15.3	7/21/10	16	8/24/10	16	9/14/10	15	10/19/10	15	11/9/10	15	12/14/10	16		
	Chloride (mg/L)	128		127		97		NS		NS	NS	NS	111	NS		NS		126		NS				
	Field pH (S.U.)	6.5 - 8.5		6.81		6.55		6.62		7.47	7/21/2010	6.82	8/24/10	6.73		6.80		6.77		6.75		6.65		
	Uranium (ug/L)	8.32		6.82		NS		NS		NS	NS	NS	7.10	NS		NS		6.64		NS				
	Selenium (ug/L)	34		32		35.3		NS		NS	7/27/10	33.5	8/24/10	35.6		32.6		32.4		32.2		30.5		
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	2/9/10	21.7	4/20/10	22.5	5/21/10	23	6/15/10	21.1	7/21/10	20	8/24/10	22	9/13/10	21	10/19/10	20	11/9/10	20	12/14/10	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		NS	NA	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		NS	64.4	NS		NA		60	NS	
	Field pH (S.U.)	6.5 - 8.5		6.96		7.38	5/21/10	6.95	6/15/10	7.01	7/21/10	7.8	8/24/10	7.1		7.66	10/19/10	6.92		6.98		6.95		
	Sulfate (mg/L)	532		507		522	NS	NA	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	NS	NA	NS	NA		
	Thallium (ug/l)	0.5	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA		
	Gross Alpha minus Rn & U (pCi/L)	3.75	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA		
	Selenium (ug/L)	12.5	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA		
	Uranium (ug/L)	7.5	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA		
Required Semi-Annual Sampling Wells																								
MW-2 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.2	NS	NA	NS	1.2	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA		
MW-3 (Class III)	Selenium (ug/L)	37	NS	NA	5/3/10	37.2	NS	NA	NS	NA	NS	NA	NS	NA	9/20/10	35.5	NS	NA	11/19/10	38.8	NS	NA		
	Field pH (S.U.)	6.5 - 8.5	NS	NA		6.14 (6.25)	NS	NA	NS	NA	NS	NA	NS	NA		6.39	NS	NA		6.35	NS	NA		
	Fluoride (Mg/L)	0.68	NS	NA		0.71	NS	NA	NS	NA	NS	NA	NS	NA		0.63	NS	NA		0.77	NS	NA		
MW-3A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	5/4/10	6.23 (6.24)	NS	NA	NS	NA	NS	NA	NS	NA	9/21/10	6.42	NS	NA	11/22/10	6.21	NS	NA		
	Sulfate (mg/L)	3640	NS	NA		3680	NS	NA	NS	NA	NS	NA	NS	NA		3630	NS	NA		3850	NS	NA		
	TDS (mg/L)	5805	NS	NA		5860	NS	NA	NS	NA	NS	NA	NS	NA		5470	NS	NA		5330	NS	NA		
	Selenium (ug/L)	89	NS	NA		81.4	NS	NA	NS	NA	NS	NA	NS	NA		NS	NS	NA		94.8	NS	NA		
MW-5 (Class II)	Uranium (ug/L)	7.5	NS	NA	4/26/10	0.39	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/11/10	11.6	NS	NA		
MW-12 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	4/27/10	7.16	NS	NA	NS	NA	NS	NA	NS	NA	9/20/10	6.62	NS	NA	11/19/10	6.47	NS	NA		
	Selenium (ug/L)	25	NS	NA		25.7	NS	NA	NS	NA	NS	NA	NS	NA		31.9	NS	NA		27.6	NS	NA		
MW-15 (Class III)	Selenium (ug/L)	128.7	NS	NA	4/21/10	100	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/11/10	99.5	NS	NA		
	Iron (ug/L)	81.7	NS	NA		ND	NS	NA	NS	NA	NS	NA	NS	NA		NA	NS	NA		ND	NS	NA		
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	5/4/10	3.73	NS	NA	NS	NA	NS	NA	NS	NA	9/15/10	3.64	NS	NA	11/18/10	3.57	NS	NA		
	Sulfate (mg/L)	1938.9	NS	NA		1950	NS	NA	NS	NA	NS	NA	NS	NA		1930	NS	NA		1910	NS	NA		
	Field pH (S.U.)	6.25-8.5	NS	NA		6.2	NS	NA	NS	NA	NS	NA	NS	NA		7.23	NS	NA		6.37	NS	NA		
	TDS (mg/L)	3198.77	NS	NA		3280	NS	NA	NS	NA	NS	NA	NS	NA		3190	NS	NA		3030	NS	NA		

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	Q1 2010 Results		Q2 2010 Results						Q3 2010 Results				Q4 2010 Results										
			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-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	5/4/10	6.61 (6.66)	NS	NA	NS	NA	NS	NA	NS	NA	9/15/10	6.93	NS	NA	11/18/10	6.8	NS	NA			
	Nitrate + Nitrite (as N) (mg/L)	2.83	NS	NA		2.6	NS	NA	NS	NA	NS	NA	NS	NA		NS	NA	NS		NA	NA	2.4	NS	NA	
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	4/22/10	6.18	NS	NA	NS	NA	NS	NA	NS	NA	9/14/10	7.05	NS	NA	11/22/10	6.44	NS	NA			
	Manganese (ug/L)	550	NS	NA		184	NS	NA	NS	NA	NS	NA	NS	NA		NS	NA	NS		NA	NA	65	NS	NA	
MW-24 (Class III)	Cadmium (ug/L)	2.5	NS	NA	5/6/10	4.28	NS	NA	NS	NA	NS	NA	NS	NA	9/21/10	5.06	NS	NA	11/17/10	3.22	NS	NA			
	Thallium (ug/L)	1	NS	NA		1.3	NS	NA	NS	NA	NS	NA	NS	NA		NS	NA	NS		NA	NA	1.09	NS	NA	
	Field pH (S.U.)	6.5 - 8.5	NS	NA		5.91 (5.78)	NS	NA	NS	NA	NS	NA	NS	NA		NS	NA	6.64		NS	NA	NA	6.1	NS	NA
MW-27 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5.6	NS	NA	5/3/10	5.8	NS	NA	NS	NA	NS	NA	NS	NA	9/14/10	5.9	NS	NA	11/12/10	5.7	NS	NA			
	Chloride (mg/L)	38	NS	NA		42	NS	NA	NS	NA	NS	NA	NS	NA		NS	NA	NS		NA	NA	45	NS	NA	
	Sulfate (mg/L)	462	NS	NA		469	NS	NA	NS	NA	NS	NA	NS	NA		NS	NA	461		NS	NA	NA	452	NS	NA
	Field pH (S.U.)	6.5-8.5	NS	NA		6.78	NS	NA	NS	NA	NS	NA	NS	NA		NS	NA	7.68		NS	NA	NA	6.89	NS	NA
	TDS (mg/L)	1075	NS	NA		1160	NS	NA	NS	NA	NS	NA	NS	NA		NS	NA	1060		NS	NA	NA	1110	NS	NA
	Gross Alpha minus Rn & U (pCi/L)	2	NS	NA		1.6	NS	NA	NS	NA	NS	NA	NS	NA		NS	NA	NA		NS	NA	NA	2.4	NS	NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	4/19/10	108	NS	NA	NS	NA	NS	NA	NS	NA	9/14/10	106	NS	NA	11/12/10	107	NS	NA			
	Manganese (ug/L)	1837	NS	NA		1550	NS	NA	NS	NA	NS	NA	NS	NA		NS	NA	NS		NA	NA	1510	NS	NA	
	Field pH (S.U.)	6.1 - 8.5	NS	NA		5.67	NS	NA	NS	NA	NS	NA	NS	NA		NS	NA	5.91		NS	NA	NA	5.72	NS	NA
MW-29 (Class III)	Iron (ug/L)	1869	NS	NA	4/27/10	1630	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/9/10	1490	NS	NA			
	Manganese (ug/L)	5624	NS	NA		4820	NS	NA	NS	NA	NS	NA	NS	NA			NS	NA		NS	NA	NA	4890	NS	NA
	TDS (mg/L)	4400	NS	NA		4400	NS	NA	NS	NA	NS	NA	NS	NA			NS	NA		NS	NA	NA	4390	NS	NA
	Field pH (S.U.)	6.46 - 8.5	NS	NA		6.82	NS	NA	NS	NA	NS	NA	NS	NA			NS	NA		NS	NA	NA	6.17	NS	NA
MW-32 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.33	NS	NA	4/20/10	4.5	NS	NA	NS	NA	NS	NA	NS	NA	9/13/10	2.9	NS	NA	11/10/10	8.8	NS	NA			
	Field pH (S.U.)	6.4 - 8.5	NS	NA		6.03	NS	NA	NS	NA	NS	NA	NS	NA		NS	NA	6.33		NS	NA	NA	6.05	NS	NA

Notes:

GWCL values are taken from February 15, 2011 version of GWDP.

NS = Not Required and Not Sampled

NR = Required and Not Reported

NA = Not Applicable

Exceedances are shown in yellow

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

Pursuant to the October 26, 2011 DRC letter gross alpha monitoring in MW-26 returned to the routine frequency of quarterly. These samples were inadvertently collected and are for information only.

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

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in August 24, 2012 GWDP	Q1 2011 Results						Q2 2011 Results						Q3 2011 Results						Q4 2011 Results							
			January 2011 Monthly Sample Date	January 2011 Monthly Sample Result	Q1 2011 Sample Date	Q1 2011 Result	March 2011 Monthly Sample Date	March 2011 Monthly Result	Q2 2011 Sample Date	Q2 2011 Result	May 2011 Monthly Sample Date	May 2011 Monthly Result	June 2011 Monthly Sample Date	June 2011 Monthly Result	July 2011 Monthly Sample Date	July 2011 Monthly Result	Q3 2011 Sample Date	Q3 2011 Result	September 2011 Monthly Sample Date	September 2011 Monthly Result	Q4 2011 Sample Date	Q4 2011 Result	November 2011 Monthly Sample Date	November 2011 Monthly Result	December 2011 Monthly Sample Date	December 2011 Monthly Result		
Required Quarterly Sampling Wells																												
MW-11 (Class II)	Manganese (ug/L)	131.29	1/11/11	121	2/2/11	145	3/15/11	68	4/4/2011	148	5/10/2011	170	6/15/2011	121	7/6/2011	151	8/3/2011 8/30/11	118	9/7/2011	106	10/4/2011	112	11/9/2011	105	12/14/2011	100		
MW-14 (Class III)	Manganese (ug/L)	2230.30	1/11/11	NA	2/7/11	2020	3/14/11	NA	4/4/2011	2140	5/10/2011	NA	6/15/2011	NA	7/5/2011	NA	8/3/2011	1990	9/8/2011	NA	10/4/2011	1960	11/9/2011	NA	12/12/2011	NA		
	Field pH (S.U.)	6.5 - 8.5		6.37		6.22		6.76		6.63		6.37		5.83		6.4		6.23 (6.41)		6.50		6.71 (6.82)		6.63		6.84		
MW-25 (Class III)	Field pH (S.U.)	6.5 - 8.5	1/11/11	6.44	2/2/11	6.66	3/15/11	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		
	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	1/12/11	0.2	2/16/11	0.25	3/15/11	0.6	4/1/2011	0.8	5/10/2011	0.4	6/20/2011	0.3	7/6/2011	0.9	8/3/2011 8/30/11	0.6	9/7/2011	2.4	10/12/2011	0.9	11/9/2011	1.3	12/14/2011	2.3		
	Uranium (ug/L)	41.8		32		69.3		31.8		60.2		57.4		18.5		57.1		19.0		56.1		58.9		55.6		57		
	Chloroform (ug/L)	70		800		730		1200		390		1900		730		300		1000		1300		440		1200		1400		
	Chloride (mg/L)	58.31		52		59		64		64		54		39		64		60		66		61		55		62		
	Field pH (S.U.)	6.74 - 8.5		6.83		6.06		6.89		6.22		6.43		6.52		6.35		6.07 (6.58)		6.71		6.82		6.75		7.1		
	Dichloromethane (Methylene Chloride) (ug/L)	5		<1.0		10		14		3.1		20		7		2.4		10		7.9		2.6		8.9		11		
	TDS (mg/L)	3284.19		3100		3270		3140		3310		3140		3020		3270		3190		3200		3190		3220		3160		
MW-30 (Class II)	Nitrate + Nitrite (as N) (mg/L)	2.5	1/10/11	15	2/1/11	16	3/14/11	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		NS		NS		128		127		127		126		145		122		124						
	Field pH (S.U.)	6.5 - 8.5		6.65		6.96		7.10		6.83		6.7		5.66		6.65		6.61		6.80		6.96 (6.73)		6.83		7.14		
	Uranium (ug/L)	8.32		NS		5.97		NS		6.49		NS		NS		NS		8		NS		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		38				
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/10/11	19	2/1/11	21	3/14/11	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	21	12/12/2011	21		
	TDS (mg/L)	1320		1240		1220		1250		1370		1290		1330		1280		1300		1300		1320		1330				
	Chloride (mg/L)	143		NS		145		NS		143		NS		145		NS		148		NS		145		NS		148		
	Selenium (ug/L)	71		NS		64.6		NS		65.2		NS		NS		NS		66.2		NS		68.8		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 (7.34)		7.01		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	2/15/11	248	NS	NA	6/7/2011	369	NS	NA	NS	NA	7/20/11	348	8/30/2011	267	9/7/11	NS	10/3/11	271	11/8/2011	283	12/14/11	247		
	Thallium (ug/l)	0.5	NS	NA		< 0.50	NS	NA		NS	NA	NS	NA	NS		NA		NS		0.52		NS		0.57		< 0.50	0.63	
	Gross Alpha minus Rn & U (pCi/L)	3.75	NS	NA		2.6	NS	NA		3.7	NS	NA	NS	NA		NS		NA		NS		NA		4.5		4.4	4.7	4.2
	Selenium (ug/L)	12.5	NS	NA		ND	NS	NA		ND	NS	NA	NS	NA		ND		NS		NA		9.3		NA		10.5	NA	NA
	Uranium (ug/L)	7.5	NS	NA		12.7	NS	NA		21.7	NS	NA	NS	NA		24.2		NS		NA		18.3		20.1		24	23.6	
Required Semi-Annual Sampling Wells																												
MW-2 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.2	NS	NA	1.1	NS	NA	4/12/2011	1.2	NS	NA	NS	NA	NS	NA	8/8/2011	0.5	NS	NA	10/5/2011	1.3	NS	NA	NS	NA			
MW-3 (Class III)	Selenium (ug/L)	37	NS	NA	2/15/11	40.5	NS	NA	4/13/2011	45.4	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	NS	NA		6.09	NS	NA		6.46	NS	NA	NS	NA		NS	NA	6.32		NS	NA	6.53 (6.83)	NS	NA	NS	NA		
	Fluoride (Mg/L)	0.68	NS	NA		0.69	NS	NA		0.68	NS	NA	NS	NA		NS	NA	0.96		NS	NA	0.91	NS	NA	NS	NA		
MW-3A (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/16/11	6.05	NS	NA	4/13/2011	6.58	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	NS	NA		3730	NS	NA		3350	NS	NA	NS	NA		NS	NA	3560		NS	NA	3750	NS	NA	NS	NA		
	TDS (mg/L)	5805	NS	NA		5770	NS	NA		5720	NS	NA	NS	NA		NS	NA	5810		NS	NA	5630	NS	NA	NS	NA		
	Selenium (ug/L)	89	NS	NA		99	NS	NA		85.8	NS	NA	NS	NA		NS	NA	88.5		NS	NA	95	NS	NA	NS	NA		
MW-5 (Class II)	Uranium (ug/L)	7.5	NS	NA	2/14/11	29.5	NS	NA	4/12/2011	7.16	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	2/15/11	6.43	NS	NA	4/5/2011	6.67	NS	NA	NS	NA	8/9/2011	6.13	NS	NA	10/6/2011	6.7 (6.97)	NS	NA	NS	NA				
	Selenium (ug/L)	25	NS	NA		39	NS	NA		21.7	NS	NA	NS	NA		NS	NA	25.4		NS	NA	35.4	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	10/10/2011	112	NS	NA	NS	NA				
	Iron (ug/L)	81.7	NS	NA		NA	NS	NA		<0.50	NS	NA	NS	NA	NS	NA	NS	NA		NS	NA	137	NS	NA	NS	NA		
MW-18 (Class III)	Thallium (ug/l)	1.95	NS	NA	2/15/11	3.49	NS	NA	4/6/2011	3.74	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	NS	NA		1770	NS	NA		1780	NS	NA	NS	NA		NS	NA	1910		NS	NA	2020	NS	NA	NS	NA		
	Field pH (S.U.)	6.25-8.5	NS	NA		6.27	NS	NA		6.71	NS	NA	NS	NA		NS	NA	5.95 (6.30)		NS	NA	6.55 (6.63)	NS	NA	NS	NA		
	TDS (mg/L)	3198.77	NS	NA		3250	NS	NA		3250	NS	NA	NS	NA		NS	NA	3190		NS	NA	3220	NS	NA	NS	NA		

Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	Q1 2011 Results						Q2 2011 Results						Q3 2011 Results						Q4 2011 Results							
			January 2011 Monthly Sample Date	January 2011 Monthly Sample Result	Q1 2011 Sample Date	Q1 2011 Result	March 2011 Monthly Sample Date	March 2011 Monthly Result	Q2 2011 Sample Date	Q2 2011 Result	May 2011 Monthly Sample Date	May 2011 Monthly Result	June 2011 Monthly Sample Date	June 2011 Monthly Result	July 2011 Monthly Sample Date	July 2011 Monthly Result	Q3 2011 Sample Date	Q3 2011 Result	September 2011 Monthly Sample Date	September 2011 Monthly Result	Q4 2011 Sample Date	Q4 2011 Result	November 2011 Monthly Sample Date	November 2011 Monthly Result	December 2011 Monthly Sample Date	December 2011 Monthly Result		
Required Semi-Annual Sampling Wells, continued																												
MW-19 (Class III)	Field pH (S.U.)	6.78-8.5	NS	NA	2/21/2011	6.78	NS	NA	4/5/2011	7.03	NS	NA	NS	NA	NS	NA	7/20/3011	6.65	NS	NA	10/12/2011	6.88 (7.02)	NS	NA	NS	NA		
	Nitrate + Nitrite (as N) (mg/L)	2.83	NS	NA		NS	NS	NA		2.6	NS	NA	NS	NA	NS	NA		NS	NA	NS		NS	NA	4.0	NS	NA	NS	NA
MW-23 (Class III)	Field pH (S.U.)	6.5 - 8.5	NS	NA	2/9/2011	6.13	NS	NA	4/5/2011	7.14	NS	NA	NS	NA	NS	NA	8/4/2011	6.38	NS	NA	10/6/2011	6.56 (6.77)	NS	NA	NS	NA		
	Manganese (ug/L)	550	NS	NA		NS	NS	NA		32	NS	NA	NS	NA	NS	NA		NS	NA	NS		NS	NA	551	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		
	Thallium (ug/L)	1	NS	NA		1.42	NS	NA		1.07	NS	NA	NS	NA	NS	NA		NS	NA	<0.50		NS	NA	0.62	NS	NA	NS	NA
	Field pH (S.U.)	6.5 - 8.5	NS	NA		5.73	NS	NA		6.12	NS	NA	NS	NA	NS	NA		NS	NA	6.45		NS	NA	6.44	NS	NA	NS	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	NS	NA		46	NS	NA		43	NS	NA	NS	NA	NS	NA		NS	NA	43		NS	NA	44	NS	NA	NS	NA
	Sulfate (mg/L)	462	NS	NA		455	NS	NA		442	NS	NA	NS	NA	NS	NA		NS	NA	424		NS	NA	456	NS	NA	NS	NA
	Field pH (S.U.)	6.5-8.5	NS	NA		6.71	NS	NA		6.79	NS	NA	NS	NA	NS	NA		NS	NA	6.39		NS	NA	7.17 (7.24)	NS	NA	NS	NA
	TDS (mg/L)	1075	NS	NA		1090	NS	NA		1190	NS	NA	NS	NA	NS	NA		NS	NA	1090		NS	NA	1110	NS	NA	NS	NA
	Gross Alpha minus Rn & U (pCi/L)	2	NS	NA		0.7	NS	NA		1.1	NS	NA	NS	NA	NS	NA		NS	NA	0.8		NS	NA	1.5	NS	NA	NS	NA
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	2/14/2011	114	NS	NA	4/11/2011	109	NS	NA	NS	NA	NS	NA	8/8/2011	105	NS	NA	10/5/2011	143	NS	NA	NS	NA		
	Manganese (ug/L)	1837	NS	NA		NA	NS	NA		1690	NS	NA	NS	NA	NS	NA		NS	NA	NA		NS	NA	1540	NS	NA	NS	NA
	Field pH (S.U.)	6.1 - 8.5	NS	NA		5.69	NS	NA		6.01	NS	NA	NS	NA	NS	NA		NS	NA	5.78		NS	NA	6.07 (6.11)	NS	NA	NS	NA
MW-29 (Class III)	Iron (ug/L)	1869	NS	NA	NS	NA	NS	NA	4/18/2011	3010	NS	NA	NS	NA	NS	NA	8/9/2011	1080	NS	NA	10/5/2011	1220	NS	NA	NS	NA		
	Manganese (ug/L)	5624	NS	NA	NS	NA	NS	NA		4900	NS	NA	NS	NA	NS	NA		NA	NS	NA		NA	4800	NS	NA	NS	NA	
	TDS (mg/L)	4400	NS	NA	NS	NA	NS	NA		4080	NS	NA	NS	NA	NS	NA		NS	NA	NA		NS	NA	4280	NS	NA	NS	NA
	Field pH (S.U.)	6.46 - 8.5	NS	NA	NS	NA	NS	NA		6.45	NS	NA	NS	NA	NS	NA		NS	NA	6.20		NS	NA	6.52	NS	NA	NS	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	NS	NA		5.99	NS	NA		6.14	NS	NA	NS	NA	NS	NA		NS	NA	6.10 (6.20)		NS	NA	6.35	NS	NA	NS	NA

Notes:

GWCL values are taken from July 14, 2011 version of GWDP.

NS = Not Required and Not Sampled

NR = Required and Not Reported

NA = Not Applicable

Exceedances are shown in yellow

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

Pursuant to the October 26, 2011 DRC letter gross alpha monitoring in MW-26 returned to the routine frequency of quarterly. These samples were inadvertently collected and are for information only.

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

			Q1 2012 Results						Q2 2012 Results						Q3 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	August 2012 Monthly Result	September 2012 Monthly Sample	September 2012 Monthly Result	Sample Frequency		
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	Quarterly		
MW-14 (Class III)	Manganese (ug/L)	2230.30	1/24/2012	NA	2/21/2012	1790	3/14/2012	NA	4/12/2012	NA	5/9/2012	2360	6/19/2012	NA	7/11/2012	2100	8/7/2012	2300	9/18/2012	2140	Quarterly		
	Field pH (S.U.)	6.5 - 8.5		6.36		6.57		6.51		6.97		6.73		6.90		6.89		6.58		7.08	Quarterly		
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	Quarterly		
	Uranium	6.5		6.6		6.5		6.93		6.52		5.90		7.6		6.45		6.72		6.01	Quarterly		
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	Quarterly		
	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		Quarterly			
	Chloroform (ug/L)	70		1900	2/15/2012	3300		2900		2900		1700		2400	8/16/2012	970		2200		2300	Quarterly		
	Chloride (mg/L)	58.31		68	40	74		82		74		85		7/11/2012	78	78		67		Quarterly			
	Field pH (S.U.)	6.74 - 8.5		6.59	2/15/2012 2/21/2012 3/8/2012	6.72 (6.91) (6.71)		6.39		6.88		7.00 (7.01)		7.10 (6.80)	7.10	6.60		7.40		Quarterly			
	Dichloromethane (Methylene Chloride) (ug/L)	5		13	2/15/2012	24		27		20		16		8/16/2012	4.9	17		9.8		Quarterly			
	TDS (mg/L)	3284.19		3250	3150	3220		3140		3240		3200		7/11/2012	3060	3210		NS		Quarterly			
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	Quarterly		
	Chloride (mg/L)	128		124		128		124		131		128		139		130		Quarterly					
	Field pH (S.U.)	6.5 - 8.5		6.52		7.12		6.86		7.66		6.95		7.10		7.25		6.95		7.85	Quarterly		
	Uranium (ug/L)	8.32	NS	8.32		7.42		8.38		6.81		7.8		7.64		8.04		7.67		Quarterly			
	Selenium (ug/L)	34	1/24/2012	33.3		35		39.5		39.1		32.3		37		38.5		41.9		Quarterly			
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	Quarterly		
	TDS (mg/L)	1320		1360		1240		1400		1380		1410		1460		1400		1460		1460	Quarterly		
	Chloride (mg/L)	143		155		150		152		160		151		138		161		175		172	Quarterly		
	Selenium (ug/L)	71		NS		67.8		NS		NS		70.2		NS		74		NS		NS	Quarterly		
	Field pH (S.U.)	6.5 - 8.5		6.78		7.37		7.13		7.14		7.19		7.28		7.53		6.96		7.10	Quarterly		
	Sulfate (mg/L)	532		539		538		517		547		532		497		529		571		561	Quarterly		
MW-35 (Class II)	Manganese (ug/L)	200	1/24/2012	264	2/14/12	253	3/13/12	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	Quarterly		
	Thallium (ug/l)	0.5		< 0.50		0.65		0.71		0.59		0.66		< 0.50		0.57		0.61		0.54	Quarterly		
	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	Quarterly		
	Selenium (ug/L)	12.5		NS		NA		NS		NA		NS		11.4		7.0		15.9		18.8	8.2	Quarterly	
	Uranium (ug/L)	7.5		1/24/2012		16.1		24.7		24.9		22.4		22.2		22.5		24.5		26.2	22.9	Quarterly	
Required Semi-Annual Sampling Wells																							
MW-2 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.2	NS	NA	2/22/2012	0.6	NS	NA	NS	NA	5/9/2012	0.6	NS	NA	7/16/2012	0.9	NS	NA	NS	NA	Semi-Annually		
MW-3 (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	Semi-Annually		
	Field pH (S.U.)	6.5 - 8.5	NS	NA		6.63	NS	NA	NS	NA		6.67	NS	NA		6.99	NS	NA	NS	NA	NS	NA	Semi-Annually
	Fluoride (Mg/L)	0.68	NS	NA		0.86	NS	NA	NS	NA		1.04	NS	NA		0.96	NS	NA	NS	NA	NS	NA	Semi-Annually
MW-3A (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	Semi-Annually		
	Sulfate (mg/L)	3640	NS	NA		3020	NS	NA	NS	NA		3220	NS	NA		3700	NS	NA	NS	NA	NS	NA	Semi-Annually
	TDS (mg/L)	5805	NS	NA		5690	NS	NA	NS	NA		5730	NS	NA		5720	NS	NA	NS	NA	NS	NA	Semi-Annually
	Selenium (ug/L)	89	NS	NA		65.8	NS	NA	NS	NA		85.1	NS	NA		99.3	NS	NA	NS	NA	NS	NA	Semi-Annually
MW-5 (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	Semi-Annually		
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	Semi-Annually		
	Selenium (ug/L)	25	NS	NA		27.2	NS	NA	NS	NA		19.6	NS	NA		20.7	NS	NA	NS	NA	NS	NA	Semi-Annually
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	Semi-Annually		
	Iron (ug/L)	81.7	NS	NA		< 30	NS	NA	NS	NA		< 30	NS	NA		< 30	NS	NA	NS	NA	NS	NA	Semi-Annually
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	Semi-Annually		
	Sulfate (mg/L)	1938.9	NS	NA		1920	NS	NA	NS	NA		1790	NS	NA		1900	NS	NA	NS	NA	NS	NA	Semi-Annually
	Field pH (S.U.)	6.25-8.5	NS	NA		6.6	NS	NA	NS	NA		6.59	NS	NA		6.64	NS	NA	NS	NA	NS	NA	Semi-Annually
	TDS (mg/L)	3198.77	NS	NA		3230	NS	NA	NS	NA		3280	NS	NA		3220	NS	NA	NS	NA	NS	NA	Semi-Annually

Q1 2012 Results					Q2 2012 Results					Q3 2012 Results					Sample Frequency								
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		
Required Semi-Annual Sampling Wells, continued																							
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	Semi-Annually		
	Nitrate + Nitrite (as N) (mg/L)	2.83	NS	NA		3.9	NS	NA	NS	NA		3.7	NS	NA		4	NS	NA	NS	NA	NS	NA	Semi-Annually
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	Semi-Annually		
	Manganese (ug/L)	550	NS	NA		51	NS	NA	NS	NA		49	NS	NA		117	NS	NA	NS	NA	NS	NA	Semi-Annually
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	Semi-Annually		
	Thallium (ug/L)	1	NS	NA		0.96	NS	NA	NS	NA		0.74	NS	NA		1.36	NS	NA	NS	NA	NS	NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5	NS	NA		6.03	NS	NA	NS	NA		6.21	NS	NA		6.45	NS	NA	NS	NA	NS	NA	Semi-Annually
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	Semi-Annually		
	Chloride (mg/L)	38	NS	NA		45	NS	NA	NS	NA		46	NS	NA		47	NS	NA	NS	NA	NS	NA	Semi-Annually
	Sulfate (mg/L)	462	NS	NA		451	NS	NA	NS	NA		446	NS	NA		453	NS	NA	NS	NA	NS	NA	Semi-Annually
	Field pH (S.U.)	6.5-8.5	NS	NA		7.24	NS	NA	NS	NA		7.03	NS	NA		7.40	NS	NA	NS	NA	NS	NA	Semi-Annually
	TDS (mg/L)	1075	NS	NA		1140	NS	NA	NS	NA		1170	NS	NA		1150	NS	NA	NS	NA	NS	NA	Semi-Annually
MW-28 (Class III)	Gross Alpha minus Rn & U (pCi/L)	2	NS	NA		2.3	NS	NA	NS	NA		0.8	NS	NA		1.2	NS	NA	NS	NA	Semi-Annually		
	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	Semi-Annually		
Manganese (ug/L)	1837	NS	NA	NA		NS	NA	NS	NA	1850		NS	NA	8/1/2012	1660	NS	NA	NS	NA	NS	NA	Semi-Annually	
Field pH (S.U.)	6.1 - 8.5	NS	NA	6.22		NS	NA	NS	NA	6.15		NS	NA	7/16/2012 8/1/2012	6.38 (5.81)	NS	NA	NS	NA	NS	NA	Semi-Annually	
MW-29 (Class III)	Iron (ug/L)	1869	NS	NA	2/22/2012	1310	NS	NA	NS	NA	5/8/2012	1400	NS	NA	7/16/2012	1270	NS	NA	NS	NA	Semi-Annually		
	Manganese (ug/L)	5624	NS	NA		NA	NS	NA	NS	NA		6140	NS	NA	8/1/2012	5190	NS	NA	NS	NA	NS	NA	Semi-Annually
	TDS (mg/L)	4400	NS	NA		NA	NS	NA	NS	NA		4600	NS	NA	8/1/2012	4420	NS	NA	NS	NA	NS	NA	Semi-Annually
	Field pH (S.U.)	6.46 - 8.5	NS	NA		7.12	NS	NA	NS	NA		6.47	NS	NA	7/16/2012 8/1/2012	6.68 (6.45)	NS	NA	NS	NA	NS	NA	Semi-Annually
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	Semi-Annually		
	Field pH (S.U.)	6.4 - 8.5	NS	NA		6.57	NS	NA	NS	NA		6.40	NS	NA		6.72	NS	NA	NS	NA	NS	NA	Semi-Annually

Notes:
 GWCL values are taken from February 15, 2011 version of GWDP.
 NS = Not Required and Not Sampled
 NR = Required and Not Reported
 NA = Not Applicable
 Exceedances are shown in yellow
 Values in () parentheses are the field pH measurements for the resampled analyses.

Pursuant to the August 28, 2012 DRC letter, TDS monitoring in MW-26 returned to the routine frequency of quarterly. No sample was required for this sampling period.

Pursuant to the August 28, 2012 DRC letter field pH will no longer be tracked on the exceedance sheet after the 3rd quarter 2012 because 8 or more consecutive results are within the GWCL limits.

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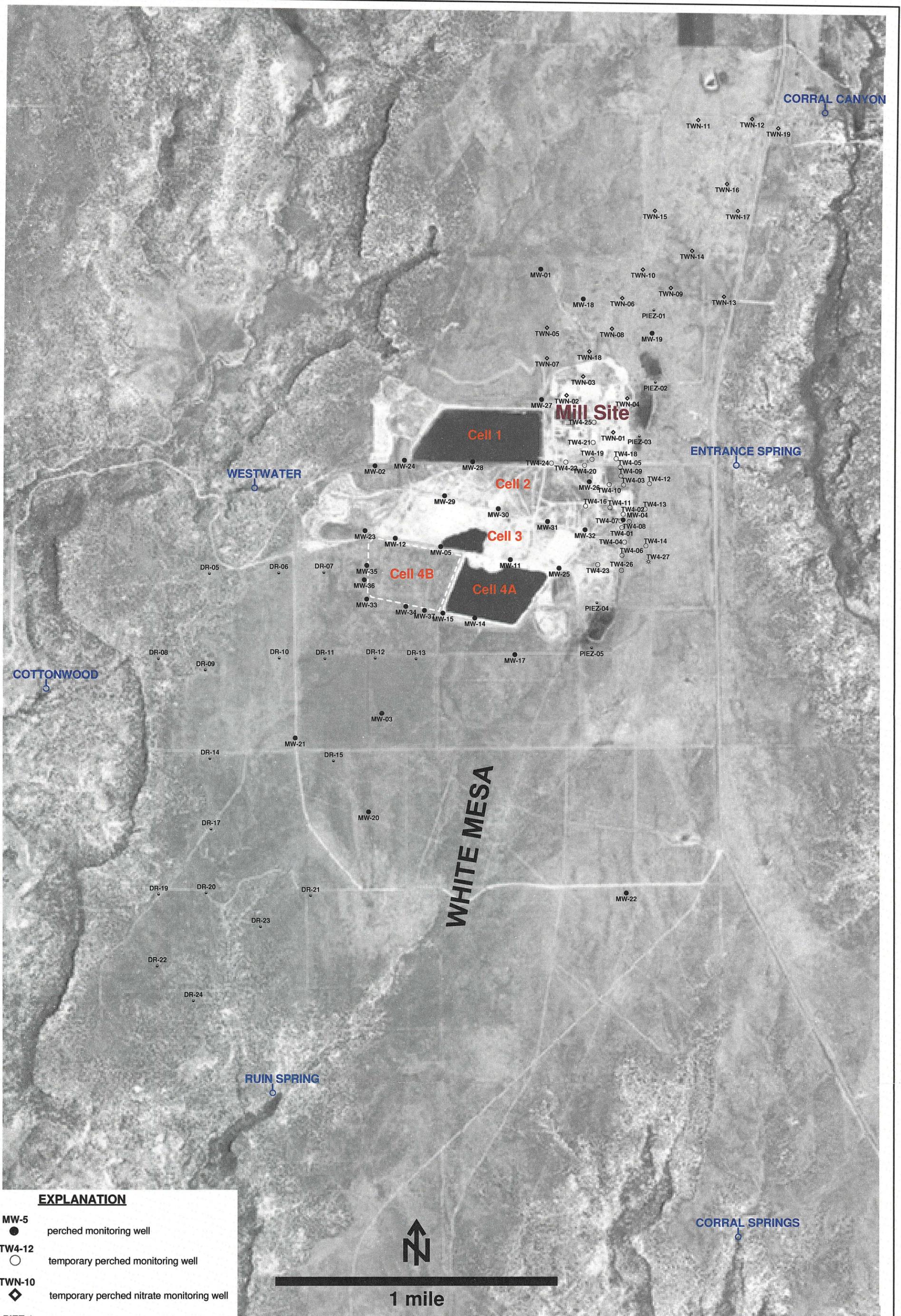
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Tab A

Site Plan and Perched Well Locations White Mesa Site



EXPLANATION

- MW-5
● perched monitoring well
- TW4-12
○ temporary perched monitoring well
- TWN-10
◊ temporary perched nitrate monitoring well
- PIEZ-1
● perched piezometer
- TW4-27
⊛ temporary perched monitoring well installed October, 2011
- RUIN SPRING
○ seep or spring



1 mile



**HYDRO
GEO
CHEM, INC.**

**WHITE MESA SITE PLAN
SHOWING LOCATIONS OF PERCHED
WELLS AND PIEZOMETERS**

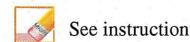
APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/may12/Uwelloc12.srf	A-1

Tab B

Field Data Worksheets Quarterly Sampling



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



Description of Sampling Event: 3rd Quarter Groundwater 2012

Location (well name): MW-02 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-02 07162012

Date and Time for Purging 7/16/2012 and Sampling (if different) N/A

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

Purging Method Used: 2 casings 3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event MW-28

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 128.80

Depth to Water Before Purging 109.83 Casing Volume (V) 4" Well: 12.38 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 3736 pH of Water (avg) 7.23

Well Water Temp. (avg) 15.52 Redox Potential (Eh) 304 Turbidity 0

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

Time	<u>1240</u>	Gal. Purged	<u>24.95</u>
Conductance	<u>3734</u>	pH	<u>7.24</u>
Temp. °C	<u>15.51</u>		
Redox Potential Eh (mV)	<u>317</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1241</u>	Gal. Purged	<u>25.17</u>
Conductance	<u>3745</u>	pH	<u>7.23</u>
Temp. °C	<u>15.50</u>		
Redox Potential Eh (mV)	<u>308</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1242</u>	Gal. Purged	<u>25.38</u>
Conductance	<u>3735</u>	pH	<u>7.24</u>
Temp. °C	<u>15.55</u>		
Redox Potential Eh (mV)	<u>300</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1243</u>	Gal. Purged	<u>25.60</u>
Conductance	<u>3732</u>	pH	<u>7.23</u>
Temp. °C	<u>15.52</u>		
Redox Potential Eh (mV)	<u>293</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

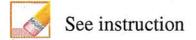
Comment

Arrived on site at 1040. Tanner and Garrin present for purge and sampling event. Purge began at 1045. Purged well for a total of 120 minutes. water was clear throughout the purge. Purge ended and sample collected at 1245. Left site at 1252

MW-02 07-16-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Groundwater 2012

Location (well name): MW-03

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-03-07182012

Date and Time for Purging 7/18/2012

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 μ MHOS/cm

Well Depth(0.01ft): 97.00

Depth to Water Before Purging 83.20

Casing Volume (V) 4" Well: 0 (.653h)
 3" Well: 5.06 (.367h)

Conductance (avg) 5688

pH of Water (avg) 6.99

Well Water Temp. (avg) 16.18

Redox Potential (Eh) 311

Turbidity 0

Weather Cond. Sunny

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

Time	<u>0950</u>	Gal. Purged	<u>14.56</u>
Conductance	<u>5696</u>	pH	<u>7.00</u>
Temp. °C	<u>16.19</u>		
Redox Potential Eh (mV)	<u>321</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0951</u>	Gal. Purged	<u>14.76</u>
Conductance	<u>5682</u>	pH	<u>6.99</u>
Temp. °C	<u>16.20</u>		
Redox Potential Eh (mV)	<u>312</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0952</u>	Gal. Purged	<u>14.97</u>
Conductance	<u>5685</u>	pH	<u>6.99</u>
Temp. °C	<u>16.17</u>		
Redox Potential Eh (mV)	<u>308</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0953</u>	Gal. Purged	<u>15.18</u>
Conductance	<u>5690</u>	pH	<u>6.99</u>
Temp. °C	<u>16.19</u>		
Redox Potential Eh (mV)	<u>305</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

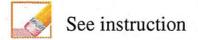
Comment

Arrived on site at 0835. Tanner and Garrin present for purge and sampling event. Purge began at 0840. Purged well for a total of 75 minutes. water was clear. Purge ended and samples collected at 0955. left site at 1116

MW-03 07-18-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Groundwater 2012

Location (well name): MW-03A

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-03A-07/19/2012

Date and Time for Purging: 7/18/2012

and Sampling (if different): 7/19/2012

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 μ MHOS/cm

Well Depth(0.01ft): 95.00

Depth to Water Before Purging: 85.15

Casing Volume (V) 4" Well: 6.43 (.653h)
 3" Well: 0 (.367h)

Conductance (avg): 5994

pH of Water (avg): 6.87

Well Water Temp. (avg): 21.96

Redox Potential (Eh): 347

Turbidity: 0

Weather Cond.: Sunny

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

Time	<u>1115</u>	Gal. Purged	<u>13.52</u>
Conductance	<u>5994</u>	pH	<u>6.87</u>
Temp. °C	<u>21.96</u>		
Redox Potential Eh (mV)	<u>347</u>		
Turbidity (NTU)	<u>0</u>		

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

Time	<u>0659</u>	Gal. Purged	<u>0</u>
Conductance	<u>5960</u>	pH	<u>7.01</u>
Temp. °C	<u>16.52</u>		
Redox Potential Eh (mV)	<u>336</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0704</u>	Gal. Purged	<u>0</u>
Conductance	<u>5978</u>	pH	<u>7.01</u>
Temp. °C	<u>16.41</u>		
Redox Potential Eh (mV)	<u>330</u>		
Turbidity (NTU)	<u>0.9</u>		

Before

After

Volume of Water Purged Before gallon(s) After

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Sulfate

TDS

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

Final Depth

Sample Time

 See instruction

Comment

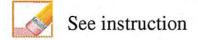
Arrived on site at 0835. Tanner and Garrin present to purge well. Purge began at 1010. Purged well for a total of 65 minutes. Purged well dry! water was clear. Purge ended at 1115. Left site at 1116

Arrived on site at 0651. Tanner and Garrin present to collect samples. Depth to water was 88.35 Samples collected at 0700. Left site at 0705

MW-03A 07-18-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Groundwater 2012

Location (well name): MW-05

Sampler Name and initials: Tanner Holliday / TH

Field Sample ID MW-05_07162012

Date and Time for Purging 7/16/2012

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-02

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/cm

Well Depth(0.01ft): 138.50

Depth to Water Before Purging 106.48

Casing Volume (V) 4" Well: 20.90 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 2939

pH of Water (avg) 7.59

Well Water Temp. (avg) 16.33

Redox Potential (Eh) 171

Turbidity 1.5

Weather Cond. Cloudy

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

Time	<u>1450</u>	Gal. Purged	<u>42.31</u>
Conductance	<u>2939</u>	pH	<u>7.59</u>
Temp. °C	<u>16.38</u>		
Redox Potential Eh (mV)	<u>190</u>		
Turbidity (NTU)	<u>1.5</u>		

Time	<u>1451</u>	Gal. Purged	<u>42.53</u>
Conductance	<u>2939</u>	pH	<u>7.59</u>
Temp. °C	<u>16.40</u>		
Redox Potential Eh (mV)	<u>172</u>		
Turbidity (NTU)	<u>1.6</u>		

Time	<u>1452</u>	Gal. Purged	<u>42.74</u>
Conductance	<u>2937</u>	pH	<u>7.59</u>
Temp. °C	<u>16.30</u>		
Redox Potential Eh (mV)	<u>163</u>		
Turbidity (NTU)	<u>1.6</u>		

Time	<u>1453</u>	Gal. Purged	<u>42.96</u>
Conductance	<u>2991</u>	pH	<u>7.60</u>
Temp. °C	<u>16.26</u>		
Redox Potential Eh (mV)	<u>160</u>		
Turbidity (NTU)	<u>1.6</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 1130. Tanner and Garrin present for purge and sampling event. Purge began at 1135. Purged well for a total of 200 minutes. Water was mostly clear throughout purge. Purge ended at 1455. Left site at 1457

MW-05 07-16-2012 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 2012

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TJH

Field Sample ID MW-11-07112012

Date and Time for Purging 7/11/2012

and Sampling (if different) N/A

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet) QED

Purging Method Used: 2 casings 3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-35

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging 88.12

Casing Volume (V) 4" Well: 42.53 (.653h) 27.34
3" Well: 0 (.367h)

Conductance (avg) 2758

pH of Water (avg) 7.76

Well Water Temp. (avg) 17.04

Redox Potential (Eh) 101

Turbidity 0

Weather Cond. Sunny

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

Time	<u>1205</u>	Gal. Purged	<u>58.59</u>
Conductance	<u>2657</u>	pH	<u>7.79</u>
Temp. °C	<u>17.10</u>		
Redox Potential Eh (mV)	<u>107</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1206</u>	Gal. Purged	<u>58.80</u>
Conductance	<u>2732</u>	pH	<u>7.75</u>
Temp. °C	<u>17.04</u>		
Redox Potential Eh (mV)	<u>103</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1207</u>	Gal. Purged	<u>59.02</u>
Conductance	<u>2800</u>	pH	<u>7.76</u>
Temp. °C	<u>17.03</u>		
Redox Potential Eh (mV)	<u>99</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1208</u>	Gal. Purged	<u>59.24</u>
Conductance	<u>2846</u>	pH	<u>7.79</u>
Temp. °C	<u>17.00</u>		
Redox Potential Eh (mV)	<u>97</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gross Alpha	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p><i>General Inorganics</i></p> <p>If preservative is used, specify Type and Quantity of Preservative:</p>								

Final Depth

Sample Time

 See instruction

Comment

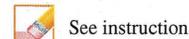
Arrived on site at 0730. Tanner and Garrin present for purge and sampling event
Purge began at 0735, Purged well for 275 minutes. Water was clear throughout the purge. Purge ended and samples were collected at 1210.
Left site at 1220

~~Note: more water in column than usual.~~

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



Description of Sampling Event: 3rd Quarter Ground Water 2012

Location (well name): MW-12

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-12-07172012

Date and Time for Purging 7/17/2012

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 μ MHOS/ cm

Well Depth(0.01ft): 130.40

Depth to Water Before Purging 108.45

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

Conductance (avg) 4173

pH of Water (avg) 6.99

Well Water Temp. (avg) 16.08

Redox Potential (Eh) 307

Turbidity 11.6

Weather Cond. Partly Cloudy

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

Time	<u>0935</u>	Gal. Purged	<u>28.21</u>
Conductance	<u>4172</u>	pH	<u>7.00</u>
Temp. °C	<u>16.07</u>		
Redox Potential Eh (mV)	<u>320</u>		
Turbidity (NTU)	<u>11.5</u>		

Time	<u>0936</u>	Gal. Purged	<u>28.42</u>
Conductance	<u>4172</u>	pH	<u>6.99</u>
Temp. °C	<u>16.08</u>		
Redox Potential Eh (mV)	<u>310</u>		
Turbidity (NTU)	<u>11.7</u>		

Time	<u>0937</u>	Gal. Purged	<u>28.64</u>
Conductance	<u>4178</u>	pH	<u>6.99</u>
Temp. °C	<u>16.08</u>		
Redox Potential Eh (mV)	<u>302</u>		
Turbidity (NTU)	<u>11.8</u>		

Time	<u>0938</u>	Gal. Purged	<u>28.86</u>
Conductance	<u>4171</u>	pH	<u>6.98</u>
Temp. °C	<u>16.09</u>		
Redox Potential Eh (mV)	<u>298</u>		
Turbidity (NTU)	<u>11.6</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

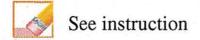
Comment

Arrived on site at 0720. Tanner and Garrin present for purge and sampling event. Purge began at 0725. Purged well for a total of 135 minutes. Water had a little discolor to it. Purge ended and sample was collected at 0940. Left site at 0942.

MW-12 07-17-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Ground Water 2012

Location (well name): MW-14 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-14-07112012

Date and Time for Purging 7/11/2012 and Sampling (if different) N/A

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) GED

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 μ MHOS/ cm Well Depth(0.01ft): 128.70

Depth to Water Before Purging 103.90 Casing Volume (V) 4" Well: 16.19 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 3935 pH of Water (avg) 6.88

Well Water Temp. (avg) 15.61 Redox Potential (Eh) 221 Turbidity 0

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

Time	<u>1230</u>	Gal. Purged	<u>37.97</u>
Conductance	<u>3949</u>	pH	<u>6.88</u>
Temp. °C	<u>15.65</u>		
Redox Potential Eh (mV)	<u>227</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1231</u>	Gal. Purged	<u>38.19</u>
Conductance	<u>3930</u>	pH	<u>6.89</u>
Temp. °C	<u>15.60</u>		
Redox Potential Eh (mV)	<u>223</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1232</u>	Gal. Purged	<u>38.40</u>
Conductance	<u>3935</u>	pH	<u>6.89</u>
Temp. °C	<u>15.61</u>		
Redox Potential Eh (mV)	<u>218</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1233</u>	Gal. Purged	<u>38.62</u>
Conductance	<u>3928</u>	pH	<u>6.89</u>
Temp. °C	<u>15.60</u>		
Redox Potential Eh (mV)	<u>217</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs 1 Tin

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gross Alpha	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

General Inorganics

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

Final Depth

Sample Time

 See instruction

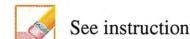
Comment

Arrived on site at 0930. Tanner and Garrin present for purge and sampling event. Purge began at 0935. Purged well for a total of 180 minutes. water was clear. purge ended and samples collected at 1235. Left site at 1245

MW-14 07-11-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Groundwater 2012

Location (well name): MW-15 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-15-07172012

Date and Time for Purging 7/17/2012 and Sampling (if different) N/A

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

Purging Method Used: 2 casings 3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event MW-12

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 137.00

Depth to Water Before Purging 106.45 Casing Volume (V) 4" Well: 19.94 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 4290 pH of Water (avg) 7.05

Well Water Temp. (avg) 15.46 Redox Potential (Eh) 258 Turbidity 0

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) 17°

Time	<u>1045</u>	Gal. Purged	<u>39.06</u>
Conductance	<u>4287</u>	pH	<u>7.05</u>
Temp. °C	<u>15.46</u>		
Redox Potential Eh (mV)	<u>269</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1046</u>	Gal. Purged	<u>39.27</u>
Conductance	<u>4296</u>	pH	<u>7.05</u>
Temp. °C	<u>15.43</u>		
Redox Potential Eh (mV)	<u>260</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1047</u>	Gal. Purged	<u>39.49</u>
Conductance	<u>4286</u>	pH	<u>7.05</u>
Temp. °C	<u>15.46</u>		
Redox Potential Eh (mV)	<u>254</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1048</u>	Gal. Purged	<u>39.71</u>
Conductance	<u>4294</u>	pH	<u>7.05</u>
Temp. °C	<u>15.52</u>		
Redox Potential Eh (mV)	<u>252</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologies	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

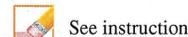
Comment

Arrived on site at 0740. Tanner and Garrin present for purge and sampling event. Purge began at 0745. Purged well for a total of 185 minutes. Water was clear. Purge ended and sample collected at 1050. Left site at 1052.

MW-15 07-17-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Groundwater 2012

Location (well name): MW-18

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-18_07182012

Date and Time for Purging 7/18/2012

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-24

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μMHOS/ cm

Well Depth(0.01ft): 134.00

Depth to Water Before Purging 70.10

Casing Volume (V) 4" Well: 41.72 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 3471
3471

pH of Water (avg) 6.63

Well Water Temp. (avg) 15.97

Redox Potential (Eh) 214

Turbidity 2.3

Weather Cond. Partly cloudy

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

Time	<u>1310</u>	Gal. Purged	<u>83.54</u>
Conductance	<u>3472</u>	pH	<u>6.61</u>
Temp. °C	<u>16.00</u>		
Redox Potential Eh (mV)	<u>227</u>		
Turbidity (NTU)	<u>2.1</u>		

Time	<u>1311</u>	Gal. Purged	<u>83.76</u>
Conductance	<u>3475</u>	pH	<u>6.63</u>
Temp. °C	<u>15.97</u>		
Redox Potential Eh (mV)	<u>214</u>		
Turbidity (NTU)	<u>2.3</u>		

Time	<u>1312</u>	Gal. Purged	<u>83.97</u>
Conductance	<u>3471</u>	pH	<u>6.64</u>
Temp. °C	<u>15.94</u>		
Redox Potential Eh (mV)	<u>210</u>		
Turbidity (NTU)	<u>2.4</u>		

Time	<u>1313</u>	Gal. Purged	<u>84.19</u>
Conductance	<u>3469</u>	pH	<u>6.64</u>
Temp. °C	<u>15.98</u>		
Redox Potential Eh (mV)	<u>207</u>		
Turbidity (NTU)	<u>2.4</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

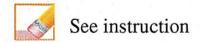
Comment

Arrived on site at 0641. Tanner and Garrin present for purge and sampling event. Purge began at 0645. Purged well for a total of 390 minutes. Water was mostly clear throughout the purge. Purge ended and samples collected at 1315. Left site at 1318

MW-18 07-18-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Groundwater 2012

Location (well name): MW-19 Sampler Name and initials: Tanner Holliday/ty

Field Sample ID MW-19_07192012

Date and Time for Purging 7/18/2012 and Sampling (if different) 7/19/2012

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

Purging Method Used: 2 casings 3 casings

Sampling Event Quarterly GW Prev. Well Sampled in Sampling Event MW-03A

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 149.00

Depth to Water Before Purging 53.35 Casing Volume (V) 4" Well: 62.45 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 1781 pH of Water (avg) 7.21

Well Water Temp. (avg) 14.81 Redox Potential (Eh) 311 Turbidity 0

Weather Cond. Dark, clear Ext'l Amb. Temp. °C (prior sampling event) 22°

Time	<u>0755</u>	Gal. Purged	<u>129.11</u>
Conductance	<u>1784</u>	pH	<u>7.24</u>
Temp. °C	<u>14.80</u>		
Redox Potential Eh (mV)	<u>317</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0756</u>	Gal. Purged	<u>129.33</u>
Conductance	<u>1777</u>	pH	<u>7.20</u>
Temp. °C	<u>14.85</u>		
Redox Potential Eh (mV)	<u>314</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0757</u>	Gal. Purged	<u>129.54</u>
Conductance	<u>1782</u>	pH	<u>7.20</u>
Temp. °C	<u>14.77</u>		
Redox Potential Eh (mV)	<u>310</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0758</u>	Gal. Purged	<u>129.76</u>
Conductance	<u>1782</u>	pH	<u>7.21</u>
Temp. °C	<u>14.85</u>		
Redox Potential Eh (mV)	<u>306</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

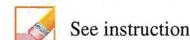
Comment

Arrived on site at ~~0450~~ ²¹⁵⁶ Tanner Holliday present to begin purge. Purge began at ~~10~~ ²²⁰⁰
 Purged well throughout the night.

MW-19 07-18-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Groundwater 2012

Location (well name): MW-23

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-23-07162012

Date and Time for Purging 7/16/2012

and Sampling (if different) 7/17/2012

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 μ MHOS/ cm

Well Depth(0.01ft): 132.00

Depth to Water Before Purging 114.15

Casing Volume (V) 4" Well: 13.61 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 3705

pH of Water (avg) 6.96

Well Water Temp. (avg) 26.21

Redox Potential (Eh) 223

Turbidity 16.0

Weather Cond. Partly Cloudy

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

Time	<u>1515</u>	Gal. Purged	<u>28.08</u>
Conductance	<u>3705</u>	pH	<u>6.96</u>
Temp. °C	<u>26.21</u>		
Redox Potential Eh (mV)	<u>223</u>		
Turbidity (NTU)	<u>16.0</u>		

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

Time	<u>0731</u>	Gal. Purged	<u>0</u>
Conductance	<u>3856</u>	pH	<u>7.08</u>
Temp. °C	<u>17.78</u>		
Redox Potential Eh (mV)	<u>336</u>		
Turbidity (NTU)	<u>4.2</u>		

Time	<u>0733</u>	Gal. Purged	<u>0</u>
Conductance	<u>3861</u>	pH	<u>7.10</u>
Temp. °C	<u>18.21</u>		
Redox Potential Eh (mV)	<u>318</u>		
Turbidity (NTU)	<u>4.9</u>		

Before

After

Volume of Water Purged Before 28.08 gallon(s) After

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
 T = 2V/Q = 130.91

Number of casing volumes evacuated (if other than two) N/A

If well evacuated to dryness, number of gallons evacuated 28.08

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth 129.00

Sample Time 0732

 See instruction

Comment

Arrived on site at 1255. Tanner Holliday present for purge and sampling event. Purge began at 1300. Purged well for a total of 135 minutes. Purged well dry! Purge ended at 1515. Water was mostly clear. Left site at 1517
 Arrived on site at 0727. Tanner and Garrin present to collect samples. Depth to water was. 127.65
 Samples collected at 0732 Left site at 0735

MW-23 07-16-2012 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 2010

Location (well name): MW-24 Sampler Name and initials: Tanner Holliday / TH

Field Sample ID MW-24-07182012

Date and Time for Purging 7/17/2012 and Sampling (if different) 7/18/2012

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 μ MHOS/ cm Well Depth(0.01 ft): 120.00

Depth to Water Before Purging 114.35 Casing Volume (V) 4" Well: 3.68 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 4449 pH of Water (avg) 6.27

Well Water Temp. (avg) 20.13 Redox Potential (Eh) 296 Turbidity 0.5

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) 22°

Time	<u>1030</u>	Gal. Purged	<u>7.68</u>
Conductance	<u>4449</u>	pH	<u>6.27</u>
Temp. °C	<u>20.13</u>		
Redox Potential Eh (mV)	<u>296</u>		
Turbidity (NTU)	<u>0.5</u>		

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

Time	<u>0629</u>	Gal. Purged	<u>0</u>
Conductance	<u>6.4</u> <u>4405</u>	pH	<u>6.55</u>
Temp. °C	<u>16.55</u>		
Redox Potential Eh (mV)	<u>314</u>		
Turbidity (NTU)	<u>0.2</u>		

Time	<u>0635</u>	Gal. Purged	<u>0</u>
Conductance	<u>4412</u>	pH	<u>6.45</u>
Temp. °C	<u>16.35</u>		
Redox Potential Eh (mV)	<u>300</u>		
Turbidity (NTU)	<u>0.3</u>		

Before

After

01-2020-1-212 - GM-QAP rev 7.2 06-06-12 / Temp/Star-11959 Printed 6/13/2012 12:40 PM from: D:\CIB\06038

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

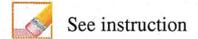
See instruction

Comment

Arrived on site at 0945 Tanner and Garrin present for purge.
Purge began at 0950. Purged well for a total of 40 minutes. Purged well dry water was mostly clear. Purge ended at 1030. Left site at 1032
Arrived on site at 0619. Tanner and Garrin present to collect sample. Depth to water was 114.37
Sample collected at 093 0630. Left site at 0636



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



Description of Sampling Event: 3rd Quarter Ground Water 2012

Location (well name): MW-25

Sampler Name and initials: Janner Holliday/TH

Field Sample ID MW-25-07102012

Date and Time for Purging 7/10/2012

and Sampling (if different) N/A

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet) QED

Purging Method Used: 2 casings 3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-30

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging 73.75

Casing Volume (V) 4" Well: 26.93 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 3225

pH of Water (avg) 6.88

Well Water Temp. (avg) 15.77

Redox Potential (Eh) 351

Turbidity 11.50

Weather Cond. Clear

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

Time	<u>1215</u>	Gal. Purged	<u>58.59</u>
Conductance	<u>3227</u>	pH	<u>6.90</u>
Temp. °C	<u>15.74</u>		
Redox Potential Eh (mV)	<u>365</u>		
Turbidity (NTU)	<u>11.0</u>		

Time	<u>1216</u>	Gal. Purged	<u>58.80</u>
Conductance	<u>3237</u>	pH	<u>6.89</u>
Temp. °C	<u>15.75</u>		
Redox Potential Eh (mV)	<u>360</u>		
Turbidity (NTU)	<u>11.5</u>		

Time	<u>1217</u>	Gal. Purged	<u>59.02</u>
Conductance	<u>3217</u>	pH	<u>6.88</u>
Temp. °C	<u>15.80</u>		
Redox Potential Eh (mV)	<u>345</u>		
Turbidity (NTU)	<u>11.7</u>		

Time	<u>1218</u>	Gal. Purged	<u>59.24</u>
Conductance	<u>3222</u>	pH	<u>6.88</u>
Temp. °C	<u>15.79</u>		
Redox Potential Eh (mV)	<u>335</u>		
Turbidity (NTU)	<u>11.8</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs 1 Tin

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gross Alpha	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

General Inorganics

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

Final Depth

Sample Time

 See instruction

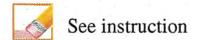
Comment

Arrived on site at 0740. Tanner and Garrin present for purge and sampling event. Purge began at 0745. Purged well for a total of 275 minutes. Water had a slight discolor. Purge ended and sample was collected at 1220. Left site at 1232

MW-25 07-10-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Ground Water 2012

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-26-07112012

Date and Time for Purging 7/11/2012

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-14

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging 62.40

Casing Volume (V) 4" Well: 38.48 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 3445

pH of Water (avg) 7.10

Well Water Temp. (avg) 16.20

Redox Potential (Eh) 183

Turbidity 0

Weather Cond. Sunny

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

Time	<u>0950</u>	Gal. Purged	<u>0</u>
Conductance	<u>3445</u>	pH	<u>7.10</u>
Temp. °C	<u>16.20</u>		
Redox Potential Eh (mV)	<u>183</u>		
Turbidity (NTU)	<u>0</u>		

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 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs 1 Tin

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gross Alpha	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

General Inorganics

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

Final Depth

Sample Time

 See instruction

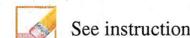
Comment

Arrived on site at 0938. Tanner and Garrin present to collect samples. Water was clear. Samples collected at 0951. Left site at 1000

MW-26 07-11-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Groundwater 2012 Resample

Location (well name): MW-26 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-26_08162012

Date and Time for Purging 8/16/2012 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 N/A

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging 63.90

Casing Volume (V) 4" Well: 37.50 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 3425

pH of Water (avg) 6.80

Well Water Temp. (avg) 14.95

Redox Potential (Eh) 154

Turbidity 0

Weather Cond. cloudy

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

Time	<u>0639</u>	Gal. Purged	<u>0</u>
Conductance	<u>3425</u>	pH	<u>6.80</u>
Temp. °C	<u>14.95</u>		
Redox Potential Eh (mV)	<u>154</u>		
Turbidity (NTU)	<u>0</u>		

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 gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

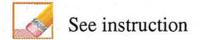
Comment

Arrived on site at 0634. Tanner and Garrin present for purge and sampling event. Samples were collected at 0640. Water was clear. Left site at 0645.

MW-26 08-16-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Ground Water 2012

Location (well name): MW-27

Sampler Name and initials: Tanner Holliday / TH

Field Sample ID MW-27_07162012

Date and Time for Purging 7/16/2012

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 μ MHOS/ cm

Well Depth(0.01ft): 95.00

Depth to Water Before Purging 51.35

Casing Volume (V) 4" Well: 28.50 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 1579

pH of Water (avg) 7.39

Well Water Temp. (avg) 15.01

Redox Potential (Eh) 304

Turbidity 0

Weather Cond. Overcast

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

Time	<u>1110</u>	Gal. Purged	<u>57.50</u>
Conductance	<u>1582</u>	pH	<u>7.39</u>
Temp. °C	<u>15.00</u>		
Redox Potential Eh (mV)	<u>311</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1111</u>	Gal. Purged	<u>57.72</u>
Conductance	<u>1579</u>	pH	<u>7.39</u>
Temp. °C	<u>15.01</u>		
Redox Potential Eh (mV)	<u>307</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1112</u>	Gal. Purged	<u>57.93</u>
Conductance	<u>1580</u>	pH	<u>7.40</u>
Temp. °C	<u>15.02</u>		
Redox Potential Eh (mV)	<u>302</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1113</u>	Gal. Purged	<u>58.15</u>
Conductance	<u>1578</u>	pH	<u>7.40</u>
Temp. °C	<u>15.01</u>		
Redox Potential Eh (mV)	<u>299</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Final Depth

Sample Time



See instruction

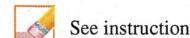
Comment

Arrived on site at 0640. Tanner and Garrin present for purge and sampling event. Purge began at 0645. Purged well for a total of 270 minutes. Water was clear throughout purge. Purge ended and samples collected at 1115. Left site at 1123.

MW-27 07-16-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Ground Water 2012

Location (well name): MW-28

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-28_07162012

Date and Time for Purging 7/16/2012

and Sampling (if different) N/A

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet) QED

Purging Method Used: 2 casings 3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-27

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging 76.57

Casing Volume (V) 4" Well: 21.82 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 3969

pH of Water (avg) 6.39

Well Water Temp. (avg) 15.18

Redox Potential (Eh) 358

Turbidity 0

Weather Cond. Overcast

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

Time	<u>1030</u>	Gal. Purged	<u>44.48</u>
Conductance	<u>3970</u>	pH	<u>6.42</u>
Temp. °C	<u>15.19</u>		
Redox Potential Eh (mV)	<u>365</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1031</u>	Gal. Purged	<u>44.70</u>
Conductance	<u>3972</u>	pH	<u>6.39</u>
Temp. °C	<u>15.20</u>		
Redox Potential Eh (mV)	<u>359</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1032</u>	Gal. Purged	<u>44.91</u>
Conductance	<u>3965</u>	pH	<u>6.38</u>
Temp. °C	<u>15.18</u>		
Redox Potential Eh (mV)	<u>358</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1033</u>	Gal. Purged	<u>45.13</u>
Conductance	<u>3970</u>	pH	<u>6.38</u>
Temp. °C	<u>15.17</u>		
Redox Potential Eh (mV)	<u>352</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Chloride

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

Final Depth

Sample Time 1035

 See instruction

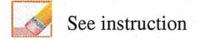
Comment

Arrived on site at 0700. Tanner and Garrin present for purge and sampling event. Purge began at 0705. Purged well for a total of 210 minutes. water was clear. Purge ended and sample was collected at 1035. Left site at 1037

MW-28 07-16-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Groundwater 2012

Location (well name): MW-28

Sampler Name and initials: Janner Holliday/JH

Field Sample ID MW-28-08012012

Date and Time for Purging 8/1/2012

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 μ MHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging 76.66

Casing Volume (V) 4" Well: 21.77 (.653h)
 3" Well: 6 (.367h)

Conductance (avg) 3943

pH of Water (avg) 5.80

Well Water Temp. (avg) 15.72

Redox Potential (Eh) 318

Turbidity 0

Weather Cond. Partly Cloudy

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

Time	<u>1355</u>	Gal. Purged	<u>48.82</u>
Conductance	<u>3945</u>	pH	<u>5.80</u>
Temp. °C	<u>15.70</u>		
Redox Potential Eh (mV)	<u>325</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1356</u>	Gal. Purged	<u>49.09</u>
Conductance	<u>3944</u>	pH	<u>5.80</u>
Temp. °C	<u>15.74</u>		
Redox Potential Eh (mV)	<u>319</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1357</u>	Gal. Purged	<u>49.25</u>
Conductance	<u>3944</u>	pH	<u>5.80</u>
Temp. °C	<u>15.75</u>		
Redox Potential Eh (mV)	<u>316</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1358</u>	Gal. Purged	<u>49.47</u>
Conductance	<u>3939</u>	pH	<u>5.81</u>
Temp. °C	<u>15.72</u>		
Redox Potential Eh (mV)	<u>312</u>	<u>312</u>	
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

Comment

Arrived on site at 1005. Tanner and Garrin present for purge and sampling event.
 Purge began at 1010. Purged well for a total of 230 minutes.
 Water was clear. Purge ended and samples collected at 1400.
 Left site at 1404

MW-28 08-01-2012 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 2012

Location (well name): MW-29

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-29_07102012

Date and Time for Purging 7/10/2012

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 μ MHOS/cm

Well Depth(0.01ft): 127.00

Depth to Water Before Purging 102.16

Casing Volume (V) 4" Well: 16.22 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 4610

pH of Water (avg) 6.67

Well Water Temp. (avg) 16.43

Redox Potential (Eh) 182

Turbidity 21.3

Weather Cond. Sunny

Ext'l Amb. Temp. °C (prior sampling event) 25°

Time	<u>1340</u>	Gal. Purged	<u>31.46</u>
Conductance	<u>4620</u>	pH	<u>6.67</u>
Temp. °C	<u>16.43</u>		
Redox Potential Eh (mV)	<u>184</u>		
Turbidity (NTU)	<u>21.0</u>		

Time	<u>1341</u>	Gal. Purged	<u>31.68</u>
Conductance	<u>4604</u>	pH	<u>6.68</u>
Temp. °C	<u>16.45</u>		
Redox Potential Eh (mV)	<u>184</u>		
Turbidity (NTU)	<u>21.5</u>		

Time	<u>1342</u>	Gal. Purged	<u>31.89</u>
Conductance	<u>4598</u>	pH	<u>6.68</u>
Temp. °C	<u>16.45</u>		
Redox Potential Eh (mV)	<u>182</u>		
Turbidity (NTU)	<u>21.2</u>		

Time	<u>1343</u>	Gal. Purged	<u>32.11</u>
Conductance	<u>4620</u>	pH	<u>6.68</u>
Temp. °C	<u>16.41</u>		
Redox Potential Eh (mV)	<u>181</u>		
Turbidity (NTU)	<u>21.5</u>		

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Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

See instruction

Comment

Arrived on site at 1112. Tanner and Garrin present for purge and sampling event.
 Purge began at 1115. Purged well for a total of 150 minutes. water had a slight discolor. Purge ended and sample collected at 1345
 Left site at 1347

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

See instruction

Description of Sampling Event: 3rd Quarter Groundwater 2012

Location (well name): MW-29 Sampler Name and initials: Tanner Holliday / TH

Field Sample ID: MW-29-08012012

Date and Time for Purging: 8/1/2012 and Sampling (if different): N/A

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet): QEP

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 μ MHOS/cm Well Depth(0.01 ft): 127.00

Depth to Water Before Purging: 102.12 Casing Volume (V) 4" Well: 16.24 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 4589 pH of Water (avg): 6.44

Well Water Temp. (avg): 15.97 Redox Potential (Eh): 193 Turbidity: 14.0

Weather Cond.: Partly Clouds Ext'l Amb. Temp. °C (prior sampling event): 24°

Time	<u>1305</u>	Gal. Purged	<u>33.63</u>
Conductance	<u>4620</u>	pH	<u>6.43</u>
Temp. °C	<u>16.04</u>		
Redox Potential Eh (mV)	<u>197</u>		
Turbidity (NTU)	<u>197</u>	<u>14.0</u>	

Time	<u>1306</u>	Gal. Purged	<u>33.85</u>
Conductance	<u>4575</u>	pH	<u>6.44</u>
Temp. °C	<u>15.99</u>		
Redox Potential Eh (mV)	<u>195</u>		
Turbidity (NTU)	<u>13.9</u>		

Time	<u>1307</u>	Gal. Purged	<u>34.06</u>
Conductance	<u>4578</u>	pH	<u>6.44</u>
Temp. °C	<u>15.97</u>		
Redox Potential Eh (mV)	<u>192</u>		
Turbidity (NTU)	<u>14.1</u>		

Time	<u>1308</u>	Gal. Purged	<u>34.28</u>
Conductance	<u>4585</u>	pH	<u>6.45</u>
Temp. °C	<u>15.89</u>		
Redox Potential Eh (mV)	<u>190</u>		
Turbidity (NTU)	<u>14.2</u>		

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Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Final Depth

Sample Time

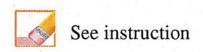
See instruction

Comment

Arrived on site at 1023. Tanner and Garrin present for purge and sampling event. Purge began at 1030. Purged well for a total of 160 minutes. Water was a little dirty. Purge ended and samples collected at 1310. Left site at 1315



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



Description of Sampling Event: 3rd Quarter Ground Water 2012

Location (well name): MW-30 Sampler Name and initials: Tanner Holliday / TH

Field Sample ID MW-30-07102012

Date and Time for Purging 7/10/2012 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 μ MHOS/ cm Well Depth(0.01ft): 110.00

Depth to Water Before Purging 76.05 Casing Volume (V) 4" Well: 22.16 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 2056 pH of Water (avg) 7.25

Well Water Temp. (avg) 15.50 Redox Potential (Eh) 241 Turbidity 0

Weather Cond. Clear Ext'l Amb. Temp. °C (prior sampling event) 20°

Time	<u>1055</u>	Gal. Purged	<u>43.40</u>
Conductance	<u>2055</u>	pH	<u>7.27</u>
Temp. °C	<u>15.48</u>		
Redox Potential Eh (mV)	<u>248</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1056</u>	Gal. Purged	<u>43.61</u>
Conductance	<u>2064</u>	pH	<u>7.26</u>
Temp. °C	<u>15.51</u>		
Redox Potential Eh (mV)	<u>243</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1057</u>	Gal. Purged	<u>43.83</u>
Conductance	<u>2054</u>	pH	<u>7.25</u>
Temp. °C	<u>15.50</u>		
Redox Potential Eh (mV)	<u>238</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1058</u>	Gal. Purged	<u>44.05</u>
Conductance	<u>2062</u>	pH	<u>7.25</u>
Temp. °C	<u>15.53</u>		
Redox Potential Eh (mV)	<u>235</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs 1 Tin

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gross Alpha	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

General Inorganics

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

Final Depth

Sample Time

 See instruction

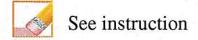
Comment

Arrived on site at 0730. Tanner and Garrin present for purge and sampling event. Purge began at 0735. Purged well for a total of 205 minutes water was clear throughout the purge. Purge ended and samples were collected at 1100. Left site at 1111

MW-30 07-10-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Ground Water 2012

Location (well name): MW-31 Sampler Name and initials: Tanner Holliday / TH

Field Sample ID: MW-31-07092012

Date and Time for Purging: 7/9/2012 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 μ MHOS/cm Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 68.10 Casing Volume (V) 4" Well: 45.64 (.653h) 40.42
 3" Well: 0 (.367h)

Conductance (avg): 1925 pH of Water (avg): 7.54

Well Water Temp. (avg): 15.28 Redox Potential (Eh): 251 Turbidity: 0

Weather Cond.: Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event): 20°

Time	<u>1330</u>	Gal. Purged	<u>80.29</u>
Conductance	<u>1930</u>	pH	<u>7.56</u>
Temp. °C	<u>15.25</u>		
Redox Potential Eh (mV)	<u>266</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1331</u>	Gal. Purged	<u>80.50</u>
Conductance	<u>1929</u>	pH	<u>7.54</u>
Temp. °C	<u>15.30</u>		
Redox Potential Eh (mV)	<u>252</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1332</u>	Gal. Purged	<u>80.72</u>
Conductance	<u>1923</u>	pH	<u>7.53</u>
Temp. °C	<u>15.30</u>		
Redox Potential Eh (mV)	<u>249</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1333</u>	Gal. Purged	<u>80.94</u>
Conductance	<u>1921</u>	pH	<u>7.53</u>
Temp. °C	<u>15.27</u>		
Redox Potential Eh (mV)	<u>243</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gross Alpha	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
<i>General Inorganics</i>								

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

Final Depth

Sample Time

 See instruction

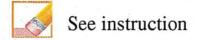
Comment

Arrived on site at 0716. Tanner and Garrin present for purge and sampling event. Purge began at 0720. Purged well for a total of 375 minutes. Water was clear throughout the purge. Purge ended and samples collected at 1335. Left site at 1347

MW-31 07-09-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Ground Water 2012

Location (well name): MW-32 Sampler Name and initials: Janner Holliday/JH

Field Sample ID MW-32-07092012

Date and Time for Purging 7/9/2012 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 μ MHOS/ cm Well Depth(0.01ft): 132.50

Depth to Water Before Purging 74.75 Casing Volume (V) 4" Well: 37.71 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 3907 pH of Water (avg) 6.73

Well Water Temp. (avg) 15.18 Redox Potential (Eh) 185 Turbidity 6.6

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) 20°

Time	<u>1310</u>	Gal. Purged	<u>77.03</u>
Conductance	<u>3892</u>	pH	<u>6.73</u>
Temp. °C	<u>15.19</u>		
Redox Potential Eh (mV)	<u>188</u>		
Turbidity (NTU)	<u>6.5</u>		

Time	<u>1311</u>	Gal. Purged	<u>77.25</u>
Conductance	<u>3922</u>	pH	<u>6.73</u>
Temp. °C	<u>15.19</u>		
Redox Potential Eh (mV)	<u>186</u>		
Turbidity (NTU)	<u>6.6</u>		

Time	<u>1312</u>	Gal. Purged	<u>77.46</u>
Conductance	<u>3906</u>	pH	<u>6.74</u>
Temp. °C	<u>15.18</u>		
Redox Potential Eh (mV)	<u>184</u>		
Turbidity (NTU)	<u>6.7</u>		

Time	<u>1313</u>	Gal. Purged	<u>77.68</u>
Conductance	<u>3910</u>	pH	<u>6.72</u>
Temp. °C	<u>15.19</u>		
Redox Potential Eh (mV)	<u>184</u>		
Turbidity (NTU)	<u>6.9</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time



See instruction

Comment

Arrived on site at 0709. Tanner and Garrin present for purge and sampling event. Purge began at 0715. Purged well for a total of 360 minutes. water had a slight discolor, but was mostly clear. Purge ended and sample was collected at 1315. Left site at 1318

MW-32 07-09-2012

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

See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-35-07102012

Date and Time for Purging 7/10/2012

and Sampling (if different) N/A

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet) QED

Purging Method Used: 2 casings 3 casings

Sampling Event Quarterly GW

Prev. Well Sampled in Sampling Event MW-29

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μMHOS/ cm

Well Depth(0.01 ft): 124.50

Depth to Water Before Purging 112.40

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

3" Well: 0 (.367h)

Conductance (avg) 4020

pH of Water (avg) 6.86

Well Water Temp. (avg) 16.91

Redox Potential (Eh) 202

Turbidity 0

Weather Cond. Sunny

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

Time	<u>1405</u>	Gal. Purged	<u>16.27</u>
Conductance	<u>3999</u>	pH	<u>6.86</u>
Temp. °C	<u>16.90</u>		
Redox Potential Eh (mV)	<u>207</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1406</u>	Gal. Purged	<u>16.49</u>
Conductance	<u>3944</u>	pH	<u>6.87</u>
Temp. °C	<u>16.91</u>		
Redox Potential Eh (mV)	<u>205</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1407</u>	Gal. Purged	<u>16.70</u>
Conductance	<u>4117</u>	pH	<u>6.87</u>
Temp. °C	<u>16.94</u>		
Redox Potential Eh (mV)	<u>200</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1408</u>	Gal. Purged	<u>16.92</u>
Conductance	<u>4023</u>	pH	<u>6.87</u>
Temp. °C	<u>16.89</u>		
Redox Potential Eh (mV)	<u>198</u>		
Turbidity (NTU)	<u>0</u>		

93-2029-1-226 OH-QAP 0017.2 06.06.12 / Template-(1066) - Printed 6/11/2012 12:41 PM from 04102012012

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gross Alpha	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

General Inorganics

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

Final Depth

Sample Time

See instruction

Comment

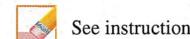
Arrived on site at 1245. Tanner and Garrin present for purge and sampling event. Purge began at 1250. Purged well for a total of 80 minutes. Water was clear. Purge ended and samples collected at 1410. Left site 1421

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93-2028-1-227 - OH-QAP rev1.2 06-06-12



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



Description of Sampling Event: 3rd Quarter Ground Water 2012

Location (well name): MW-36 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-36_07112012

Date and Time for Purging 7/11/2012 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 μ MHOS/ cm Well Depth(0.01ft): 121.60

Depth to Water Before Purging 110.55 Casing Volume (V) 4" Well: 7.21 (.653h)
 3" Well: 6 (.367h)

Conductance (avg) 4958 pH of Water (avg) 7.20

Well Water Temp. (avg) 15.64 Redox Potential (Eh) 385 Turbidity 0

Weather Cond. Sunny Ext'l Amb. Temp. °C (prior sampling event) 21°

Time	<u>0910</u>	Gal. Purged	<u>17.36</u>
Conductance	<u>4956</u>	pH	<u>7.21</u>
Temp. °C	<u>15.70</u>		
Redox Potential Eh (mV)	<u>395</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0911</u>	Gal. Purged	<u>17.57</u>
Conductance	<u>4953</u>	pH	<u>7.20</u>
Temp. °C	<u>15.65</u>		
Redox Potential Eh (mV)	<u>387</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0912</u>	Gal. Purged	<u>17.79</u>
Conductance	<u>4960</u>	pH	<u>7.20</u>
Temp. °C	<u>15.60</u>		
Redox Potential Eh (mV)	<u>382</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0913</u>	Gal. Purged	<u>18.01</u>
Conductance	<u>4963</u>	pH	<u>7.20</u>
Temp. °C	<u>15.61</u>		
Redox Potential Eh (mV)	<u>377</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gross Alpha	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

General Inorganics

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

Final Depth

Sample Time

 See instruction

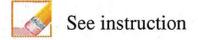
Comment

Arrived on site at 0745. Tanner and Garrin present for purge and sampling event. Purge began at 0750. Purged well for a total of 85 minutes. Water was clear throughout the purge. Purge ended and samples collected at 0915. Left site at 0925.

MW-36 07-11-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Groundwater 2012

Location (well name): MW-37

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-37-07302012

Date and Time for Purging 7/19/2012

and Sampling (if different) 7/30/2012

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-19

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/cm

Well Depth(0.01ft): 121.80

Depth to Water Before Purging 107.39

Casing Volume (V) 4" Well: 9.40 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 4442

pH of Water (avg) 7.38

Well Water Temp. (avg) 14.95

Redox Potential (Eh) 363

Turbidity 363
23.2

Weather Cond. Partly Cloudy

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

Time	<u>0629</u>	Gal. Purged	<u>5</u>
Conductance	<u>4442</u>	pH	<u>7.38</u>
Temp. °C	<u>14.95</u>		
Redox Potential Eh (mV)	<u>363</u>		
Turbidity (NTU)	<u>23.2</u>		

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

Time	<u>1340</u>	Gal. Purged	<u>0</u>
Conductance	<u>4488</u>	pH	<u>6.96</u>
Temp. °C	<u>21.10</u>		
Redox Potential Eh (mV)	<u>280</u>		
Turbidity (NTU)	<u>4.9</u>		

Time	<u>1344</u>	Gal. Purged	<u>0</u>
Conductance	<u>4497</u>	pH	<u>6.90</u>
Temp. °C	<u>19.80</u>		
Redox Potential Eh (mV)	<u>259</u>		
Turbidity (NTU)	<u>24.5</u>		

Before

After

Volume of Water Purged Before gallon(s) After

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gross Alpha	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

General Inorganics

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

Final Depth

Sample Time

 See instruction

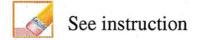
Comment

Arrived on site at 0620. Tanner and Garin present to Bail well dry. Bailing began at 0622 Bailed 14 Gallons. Bailed well dry. at the start of bailing water was clear. Bailing ended and Left site at 0646.
 Arrived on site at 1331. Tanner and Garin present to collect samples. Depth to water was 115.87 Samples Bailed at 1340. Left site at 1346

MW-37 07-19-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Ground Water 2012

Location (well name): MW-65 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-65_07112012

Date and Time for Purging 7/11/2012 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-14

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 121.33

Depth to Water Before Purging 62.40 Casing Volume (V) 4" Well: 38.48 (.653h)
3" Well: 6 (.367h)

Conductance (avg) 3445 pH of Water (avg) 7.10

Well Water Temp. (avg) 16.20 Redox Potential (Eh) 183 Turbidity 0

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

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 gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Gross Alpha	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

General Inorganics

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

Final Depth

Sample Time

 See instruction

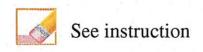
Comment

Duplicate of MW-26

MW-65 07-11-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: 3rd Quarter Groundwater 2012 Resample

Location (well name): MW-65 Sampler Name and initials: Tanner Holiday/TH

Field Sample ID MW-65-08162012

Date and Time for Purging 8/16/2012 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 N/A

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 121.33

Depth to Water Before Purging 63.90 Casing Volume (V) 4" Well: 37.50 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 3425 pH of Water (avg) 6.80

Well Water Temp. (avg) 14.95 Redox Potential (Eh) 154 Turbidity 0

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

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time



See instruction

Comment

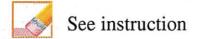
Duplicate of MW-26

MW-65 08-16-2012

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



Description of Sampling Event: 3rd Quarter Groundwater 2012

Location (well name): MW-70 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-70_07182012

Date and Time for Purging 7/18/2012 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 μ MHOS/ cm Well Depth(0.01ft): 97.00

Depth to Water Before Purging 83.20 Casing Volume (V) 4" Well: 0 (.653h)
 3" Well: 5.06 (.367h)

Conductance (avg) 5688 pH of Water (avg) 6.99

Well Water Temp. (avg) 16.18 Redox Potential (Eh) 311 Turbidity 0

Weather Cond. Sunny Ext'l Amb. Temp. °C (prior sampling event) 21°

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
 $T = 2V/Q =$ 48.69

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

Comment

MW-70 07-18-2012 Do not touch this cell (SheetName)

Tab C

Field Data Worksheets Accelerated Monitoring

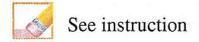
Tab C1

Field Data Worksheets Accelerated Monitoring

August 2012



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



Description of Sampling Event: August monthly Groundwater 2012

Location (well name): MW-11 Sampler Name and initials: Garrin Palmer / GP

Field Sample ID MW-11-08072012

Date and Time for Purging 08/07/2012 and Sampling (if different) NA

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

Purging Method Used: 2 casings 3 casings

Sampling Event Monthly Groundwater Prev. Well Sampled in Sampling Event MW-25

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 130

Depth to Water Before Purging 88.05 Casing Volume (V) 4" Well: 27.39 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 2879 pH of Water (avg) 7.41

Well Water Temp. (avg) 16.26 Redox Potential (Eh) 138 Turbidity 0

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

Time	<u>1126</u>	Gal. Purged	<u>55.55</u>
Conductance	<u>2878</u>	pH	<u>7.38</u>
Temp. °C	<u>16.38</u>		
Redox Potential Eh (mV)	<u>157</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1127</u>	Gal. Purged	<u>55.76</u>
Conductance	<u>2879</u>	pH	<u>7.38</u>
Temp. °C	<u>16.37</u>		
Redox Potential Eh (mV)	<u>137</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1128</u>	Gal. Purged	<u>55.98</u>
Conductance	<u>2876</u>	pH	<u>7.42</u>
Temp. °C	<u>16.02</u>		
Redox Potential Eh (mV)	<u>134</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1129</u>	Gal. Purged	<u>56.20</u>
Conductance	<u>2883</u>	pH	<u>7.43</u>
Temp. °C	<u>16.27</u>		
Redox Potential Eh (mV)	<u>127</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

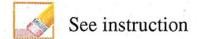
Comment

Arrived on site at 0705. Garrin and Tanner present for purge and sampling event. Purge began at 0710. Purged well for 260 minutes. Water was clear throughout purge. Left site at 1135.

MW-11 08-07-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: August monthly Groundwater 2012

Location (well name): MW-14 Sampler Name and initials: Garrin Palmer / GP

Field Sample ID MW-14-08072012

Date and Time for Purging 08/07/2012 and Sampling (if different) NA

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) GED

Purging Method Used: 2 casings 3 casings

Sampling Event monthly Groundwater Prev. Well Sampled in Sampling Event MW-30

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

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

Depth to Water Before Purging 103.86 Casing Volume (V) 4" Well: 16.22 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 3883 pH of Water (avg) 6.51

Well Water Temp. (avg) 16.02 Redox Potential (Eh) 375 Turbidity 0

Weather Cond. Sunny Ext'l Amb. Temp. °C (prior sampling event) 20°

Time	<u>1317</u>	Gal. Purged	<u>34.06</u>
Conductance	<u>3872</u>	pH	<u>6.46</u>
Temp. °C	<u>15.97</u>		
Redox Potential Eh (mV)	<u>391</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1318</u>	Gal. Purged	<u>34.28</u>
Conductance	<u>3885</u>	pH	<u>6.49</u>
Temp. °C	<u>16.03</u>		
Redox Potential Eh (mV)	<u>381</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1319</u>	Gal. Purged	<u>34.50</u>
Conductance	<u>3892</u>	pH	<u>6.54</u>
Temp. °C	<u>16.07</u>		
Redox Potential Eh (mV)	<u>370</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1320</u>	Gal. Purged	<u>34.72</u>
Conductance	<u>3883</u>	pH	<u>6.58</u>
Temp. °C	<u>16.01</u>		
Redox Potential Eh (mV)	<u>359</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

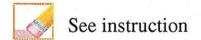
Comment

Arrived on site at 1035. Garrin and Tanner present for purge and sampling. Purge began 1040. Purged well for a total of 161 minutes. Water was clear throughout purge. Left site at 1327.

MW-14 08-07-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: August Groundwater 2012

Location (well name): MW-25 Sampler Name and initials: Tanner Holliday TH

Field Sample ID MW-25_08062012

Date and Time for Purging 8/6/2012 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 μ MHOS/ cm Well Depth(0.01ft): 115.00

Depth to Water Before Purging 73.80 Casing Volume (V) 4" Well: 26.90 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 3214 pH of Water (avg) 6.52

Well Water Temp. (avg) 15.79 Redox Potential (Eh) 351 Turbidity 3.0

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) 20°

Time	<u>1105</u>	Gal. Purged	<u>54.25</u>
Conductance	<u>3202</u>	pH	<u>6.49</u>
Temp. °C	<u>15.80</u>		
Redox Potential Eh (mV)	<u>368</u>		
Turbidity (NTU)	<u>3.1</u>		

Time	<u>1106</u>	Gal. Purged	<u>54.46</u>
Conductance	<u>3210</u>	pH	<u>6.52</u>
Temp. °C	<u>15.81</u>		
Redox Potential Eh (mV)	<u>353</u>		
Turbidity (NTU)	<u>3.0</u>		

Time	<u>1107</u>	Gal. Purged	<u>54.68</u>
Conductance	<u>3221</u>	pH	<u>6.52</u>
Temp. °C	<u>15.78</u>		
Redox Potential Eh (mV)	<u>347</u>		
Turbidity (NTU)	<u>3.0</u>		

Time	<u>1108</u>	Gal. Purged	<u>54.90</u>
Conductance	<u>3226</u>	pH	<u>6.55</u>
Temp. °C	<u>15.79</u>		
Redox Potential Eh (mV)	<u>337</u>		
Turbidity (NTU)	<u>3.1</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

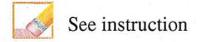
Comment

Arrived on site at 0650. Tanner and Garrin present for purge and sampling event. Purge began at 0655. Purged well for a total of 255 minutes. Water was mostly clear throughout the purge. Purge ended and samples collected at 1110. Left site at 1115

MW-25 08-06-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: August Groundwater 2012

Location (well name): MW-26 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-26-08082012

Date and Time for Purging 8/8/2012 and Sampling (if different) N/A

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) Continuous

Purging Method Used: 2 casings 3 casings

Sampling Event Monthly GW Prev. Well Sampled in Sampling Event MW-35

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm Well Depth(0.01ft): 121.33

Depth to Water Before Purging 68.18 Casing Volume (V) 4" Well: 34.70 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 3136 pH of Water (avg) 6.60

Well Water Temp. (avg) 15.71 Redox Potential (Eh) 125 Turbidity 0

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

Time	<u>1330</u>	Gal. Purged	<u>0</u>
Conductance	<u>3136</u>	pH	<u>6.60</u>
Temp. °C	<u>15.71</u>		
Redox Potential Eh (mV)	<u>125</u>		
Turbidity (NTU)	<u>0</u>		

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 gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

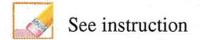
Comment

Arrived on site at 1324. Tanner and Garrin present to collect samples. Samples collected at 1331. Water was clear. Left site at 1335.

MW-26 08-08-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: August Monthly Groundwater 2012

Location (well name): MW-30

Sampler Name and initials: Garrin Palmer

Field Sample ID MW-30-08072012

Date and Time for Purging 08/07/2012

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 Groundwater

Prev. Well Sampled in Sampling Event MW-31

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm

Well Depth(0.01ft): 75.98
110

Depth to Water Before Purging 75.98

Casing Volume (V) 4" Well: 22.21 (.653h)

3" Well: 0 (.367h)

Conductance (avg) 2055

pH of Water (avg) 6.90

Well Water Temp. (avg) 15.42

Redox Potential (Eh) 318

Turbidity 0

Weather Cond. Sunny

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

Time	<u>1020</u>	Gal. Purged	<u>44.48</u>
Conductance	<u>2067</u>	pH	<u>6.85</u>
Temp. °C	<u>15.63</u>		
Redox Potential Eh (mV)	<u>335</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1021</u>	Gal. Purged	<u>44.70</u>
Conductance	<u>2063</u>	pH	<u>6.89</u>
Temp. °C	<u>15.55</u>		
Redox Potential Eh (mV)	<u>321</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1022</u>	Gal. Purged	<u>44.91</u>
Conductance	<u>2057</u>	pH	<u>6.92</u>
Temp. °C	<u>15.39</u>		
Redox Potential Eh (mV)	<u>313</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1023</u>	Gal. Purged	<u>45.13</u>
Conductance	<u>2054</u>	pH	<u>6.95</u>
Temp. °C	<u>15.38</u>		
Redox Potential Eh (mV)	<u>304</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

Comment

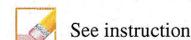
Arrived on site at 0650. Garrin and Tanner present for purge and sampling events. Purge began at 0655. Water was clear throughout purge. Purged well for a total of 215 minutes. Left site at 1030.

MW-30 08-07-2012 Do not touch this cell (SheetName)

V



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



Description of Sampling Event: August Groundwater 2012

Location (well name): MW-31 Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-31-08062012

Date and Time for Purging 8/6/2012 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 μ MHOS/ cm Well Depth(0.01ft): 130.00

Depth to Water Before Purging 68.19 Casing Volume (V) 4" Well: 40.39 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 1920 pH of Water (avg) 6.89

Well Water Temp. (avg) 15.88 Redox Potential (Eh) 310 Turbidity 2.3

Weather Cond. Partly Cloudy Ext'l Amb. Temp. °C (prior sampling event) 20°

Time	<u>1310</u>	Gal. Purged	<u>84.63</u>
Conductance	<u>1924</u>	pH	<u>6.78</u>
Temp. °C	<u>15.89</u>		
Redox Potential Eh (mV)	<u>329</u>		
Turbidity (NTU)	<u>2.3</u>		

Time	<u>1311</u>	Gal. Purged	<u>84.84</u>
Conductance	<u>1907</u>	pH	<u>6.89</u>
Temp. °C	<u>15.88</u>		
Redox Potential Eh (mV)	<u>313</u>		
Turbidity (NTU)	<u>2.4</u>		

Time	<u>1312</u>	Gal. Purged	<u>85.06</u>
Conductance	<u>1925</u>	pH	<u>6.95</u>
Temp. °C	<u>15.90</u>		
Redox Potential Eh (mV)	<u>365</u>		
Turbidity (NTU)	<u>2.4</u>		

Time	<u>1335</u>	Gal. Purged	<u>85.28</u>
Conductance	<u>1927</u>	pH	<u>6.96</u>
Temp. °C	<u>15.88</u>		
Redox Potential Eh (mV)	<u>295</u>		
Turbidity (NTU)	<u>2.4</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

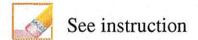
Comment

Arrived on site at 0635. Tanner and Garrin present for purge and sampling event. Purge began at 0640. Purged well for a total of 395 minutes. Water was clear throughout the purge. Purge ended and sampling took place at 1315. Left site at 1319

MW-31 08-06-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: August Groundwater 2012

Location (well name): MW-35 Sampler Name and initials: Tanner Holliday/TA

Field Sample ID MW-35-08082012

Date and Time for Purging 8/8/2012 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 μ MHOS/ cm Well Depth(0.01ft): 124.50

Depth to Water Before Purging 112.35 Casing Volume (V) 4" Well: 7.93 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 4150 pH of Water (avg) 6.73

Well Water Temp. (avg) 15.15 Redox Potential (Eh) 266 Turbidity 0

Weather Cond. Clear Ext'l Amb. Temp. °C (prior sampling event) 20°

Time	<u>0830</u>	Gal. Purged	<u>21.7</u>
Conductance	<u>4150</u>	pH	<u>6.73</u>
Temp. °C	<u>15.19</u>		
Redox Potential Eh (mV)	<u>283</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0831</u>	Gal. Purged	<u>21.91</u>
Conductance	<u>4154</u>	pH	<u>6.74</u>
Temp. °C	<u>15.15</u>		
Redox Potential Eh (mV)	<u>269</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0832</u>	Gal. Purged	<u>22.13</u>
Conductance	<u>4154</u>	pH	<u>6.74</u>
Temp. °C	<u>15.15</u>		
Redox Potential Eh (mV)	<u>263</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>0833</u>	Gal. Purged	<u>22.35</u>
Conductance	<u>4145</u>	pH	<u>6.74</u>
Temp. °C	<u>15.13</u>		
Redox Potential Eh (mV)	<u>251</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

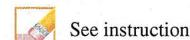
Comment

Arrived on site at 0645. Tanner and Garrin present for purge and sampling event. Purge began at 0650. Purged well for a total of 105 minutes. Water was clear throughout purge. Purge ended and sample collected at 0835. Left site at 0840

MW-35 08-08-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: August monthly Groundwater 2012

Location (well name): MW-65 Sampler Name and initials: Garrin Palmer / GP

Field Sample ID MW-65-08072012

Date and Time for Purging 08/07/2012 and Sampling (if different) NA

Well Purging Equip Used: pump or bailer Well Pump (if other than Bennet) RED

Purging Method Used: 2 casings 3 casings

Sampling Event monthly Groundwater Prev. Well Sampled in Sampling Event MW-30

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

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

Depth to Water Before Purging 103.86 Casing Volume (V) 4" Well: 16.22 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 3883 pH of Water (avg) 6.51

Well Water Temp. (avg) 16.02 Redox Potential (Eh) 375 Turbidity 0

Weather Cond. Sunny Ext'l Amb. Temp. °C (prior sampling event) 20°

Time 1317 Gal. Purged 34.06
Conductance 3872 pH 6.46
Temp. °C 15.97
Redox Potential Eh (mV) 391
Turbidity (NTU) 0

Time 1318 Gal. Purged 34.28
Conductance 3885 pH 6.49
Temp. °C 16.03
Redox Potential Eh (mV) 381
Turbidity (NTU) 0

Time 1319 Gal. Purged 34.50
Conductance 3892 pH 6.54
Temp. °C 16.07
Redox Potential Eh (mV) 370
Turbidity (NTU) 0

Time 1320 Gal. Purged 34.72
Conductance 3883 pH 6.58
Temp. °C 16.01
Redox Potential Eh (mV) 359
Turbidity (NTU) 0

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time



See instruction

Comment

Duplicate of MW-14

MW-65 08-07-2012

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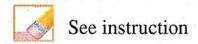
Tab C2

Field Data Worksheets Accelerated Monitoring

September 2012



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



Description of Sampling Event: September monthly Groundwater 2012

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/JH

Field Sample ID MW-11-09192012

Date and Time for Purging 9/19/2012

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 G-W

Prev. Well Sampled in Sampling Event MW-35

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging 87.94

Casing Volume (V) 4" Well: 27.46 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 2875

pH of Water (avg) 7.97

Well Water Temp. (avg) 15.34

Redox Potential (Eh) 75

Turbidity 0

Weather Cond. Clear

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

Time	<u>1340</u>	Gal. Purged	<u>54.25</u>
Conductance	<u>2871</u>	pH	<u>8.08</u>
Temp. °C	<u>15.36</u>		
Redox Potential Eh (mV)	<u>80</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1341</u>	Gal. Purged	<u>54.46</u>
Conductance	<u>2872</u>	pH	<u>7.95</u>
Temp. °C	<u>15.34</u>		
Redox Potential Eh (mV)	<u>77</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1342</u>	Gal. Purged	<u>54.68</u>
Conductance	<u>2876</u>	pH	<u>7.96</u>
Temp. °C	<u>15.33</u>		
Redox Potential Eh (mV)	<u>74</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1343</u>	Gal. Purged	<u>54.90</u>
Conductance	<u>2881</u>	pH	<u>7.91</u>
Temp. °C	<u>15.34</u>		
Redox Potential Eh (mV)	<u>72</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

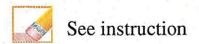
Comment

Arrived on site at 0925. Tanner and Garrin present for purge and sampling event. Purge began at 0930. Purged well for a total of 255 minutes, water was clear. Purge ended and sample collected at 1345. Left site at 1347

MW-11 09-19-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: September Monthly Ground Water 2012

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID MW-14_09182012

Date and Time for Purging 9/18/2012

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 μ MHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging 103.90

Casing Volume (V) 4" Well: 16.19 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 3928

pH of Water (avg) 7.13

Well Water Temp. (avg) 15.17

Redox Potential (Eh) 82

Turbidity 0

Weather Cond. Clear

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

Time	<u>1425</u>	Gal. Purged	<u>31.46</u>
Conductance	<u>3922</u>	pH	<u>7.25</u>
Temp. °C	<u>15.14</u>		
Redox Potential Eh (mV)	<u>84</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1426</u>	Gal. Purged	<u>31.68</u>
Conductance	<u>3934</u>	pH	<u>7.11</u>
Temp. °C	<u>15.20</u>		
Redox Potential Eh (mV)	<u>85</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1427</u>	Gal. Purged	<u>31.89</u>
Conductance	<u>3929</u>	pH	<u>7.10</u>
Temp. °C	<u>15.14</u>		
Redox Potential Eh (mV)	<u>80</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1428</u>	Gal. Purged	<u>32.11</u>
Conductance	<u>3928</u>	pH	<u>7.08</u>
Temp. °C	<u>15.20</u>		
Redox Potential Eh (mV)	<u>79</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

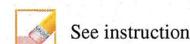
Comment

Arrived on site at 1157. Tanner and Garrin present for purge and sampling event. Purge began at 1200. Purged well for a total of 150 minutes. Water was clear. Purge ended and sample collected at 1430. Left site at 1432

MW-14 09-18-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: September Monthly Ground Water 2012

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday / TH

Field Sample ID MW-25_09182012

Date and Time for Purging 9/18/2012

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 μ MHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging 73.60

Casing Volume (V) 4" Well: 27.03 (.653h)
 3" Well: 8 (.367h)

Conductance (avg) 3227

pH of Water (avg) 6.55

Well Water Temp. (avg) 15.00

Redox Potential (Eh) 246

Turbidity 0.7

Weather Cond. Clear

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

Time	<u>1150</u>	Gal. Purged	<u>56.42</u>
Conductance	<u>3223</u>	pH	<u>6.55</u>
Temp. °C	<u>15.01</u>		
Redox Potential Eh (mV)	<u>238</u>		
Turbidity (NTU)	<u>0.7</u>		

Time	<u>1151</u>	Gal. Purged	<u>56.63</u>
Conductance	<u>3228</u>	pH	<u>6.56</u>
Temp. °C	<u>15.00</u>		
Redox Potential Eh (mV)	<u>244</u>		
Turbidity (NTU)	<u>0.7</u>		

Time	<u>1152</u>	Gal. Purged	<u>56.85</u>
Conductance	<u>3235</u>	pH	<u>6.56</u>
Temp. °C	<u>15.00</u>		
Redox Potential Eh (mV)	<u>251</u>		
Turbidity (NTU)	<u>0.7</u>		

Time	<u>1153</u>	Gal. Purged	<u>57.07</u>
Conductance	<u>3225</u>	pH	<u>6.54</u>
Temp. °C	<u>14.99</u>		
Redox Potential Eh (mV)	<u>253</u>		
Turbidity (NTU)	<u>0.7</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

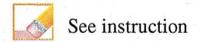
Comment

Arrived on site at 0724. Tanner Holliday present for purge and sampling event. Purge began at 0730. Purged well for a total of 265 minutes. Water was clear. Purge ended and sample collected at 1155. Left site at 1156.

MW-25 09-18-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: September monthly Gr

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-26_09192012

Date and Time for Purging 9/19/2012

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-11

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging 58.30

Casing Volume (V) 4" Well: 41.15 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 3418

pH of Water (avg) 7.40

Well Water Temp. (avg) 15.91

Redox Potential (Eh) 151

Turbidity 1.0

Weather Cond. Clear

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

Time	<u>1409</u>	Gal. Purged	<u>0</u>
Conductance	<u>3418</u>	pH	<u>7.40</u>
Temp. °C	<u>15.91</u>		
Redox Potential Eh (mV)	<u>151</u>		
Turbidity (NTU)	<u>1.0</u>		

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 gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	HCL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Final Depth

Sample Time



See instruction

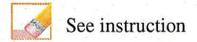
Comment

Arrived on site at 1401. Tanner and Garrin present to collect samples. Samples collected at 1410. water was clear. Left site at 1413

MW-26 09-19-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: September monthly Groundwater 2012

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-30-09192012

Date and Time for Purging 9/19/2012

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 μ MHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging 75.85

Casing Volume (V) 4" Well: 22.29 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 2070

pH of Water (avg) 7.95

Well Water Temp. (avg) 15.31

Redox Potential (Eh) 185

Turbidity 0

Weather Cond. Clear

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

Time	<u>1125</u>	Gal. Purged	<u>47.74</u>
Conductance	<u>2075</u>	pH	<u>8.15</u>
Temp. °C	<u>15.31</u>		
Redox Potential Eh (mV)	<u>171</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1126</u>	Gal. Purged	<u>47.95</u>
Conductance	<u>2073</u>	pH	<u>7.92</u>
Temp. °C	<u>15.33</u>		
Redox Potential Eh (mV)	<u>184</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1127</u>	Gal. Purged	<u>48.17</u>
Conductance	<u>2066</u>	pH	<u>7.91</u>
Temp. °C	<u>15.31</u>		
Redox Potential Eh (mV)	<u>191</u>		
Turbidity (NTU)	<u>0</u>		

Time	<u>1128</u>	Gal. Purged	<u>48.39</u>
Conductance	<u>2069</u>	pH	<u>7.85</u>
Temp. °C	<u>15.30</u>		
Redox Potential Eh (mV)	<u>196</u>		
Turbidity (NTU)	<u>0</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologies	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

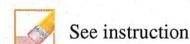
Comment

Arrived on site at 0740. Tanner and Garrin present for purge and sampling event. Purge began at 0745. Purged well for a total of 225 minutes water was clear. Purge ended and samples collected at 1130. Left site at 1136.

MW-30 09-19-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: September Monthly Ground Water 2012

Location (well name): MW-31 Sampler Name and initials: Tanner Holliday / TH

Field Sample ID: MW-31-09182012

Date and Time for Purging: 9/18/2012 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 μ MHOS/ 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)

Conductance (avg): 1943 pH of Water (avg): 7.10

Well Water Temp. (avg): 14.9 Redox Potential (Eh): 246 Turbidity: 8.7

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

Time	<u>1325</u>	Gal. Purged	<u>80.29</u>
Conductance	<u>1941</u>	pH	<u>7.10</u>
Temp. °C	<u>14.89</u>		
Redox Potential Eh (mV)	<u>245</u>		
Turbidity (NTU)	<u>8.6</u>		

Time	<u>1326</u>	Gal. Purged	<u>80.50</u>
Conductance	<u>1949</u>	pH	<u>7.10</u>
Temp. °C	<u>14.87</u>		
Redox Potential Eh (mV)	<u>246</u>		
Turbidity (NTU)	<u>8.7</u>		

Time	<u>1327</u>	Gal. Purged	<u>80.72</u>
Conductance	<u>1946</u>	pH	<u>7.10</u>
Temp. °C	<u>14.93</u>		
Redox Potential Eh (mV)	<u>247</u>		
Turbidity (NTU)	<u>8.9</u>		

Time	<u>1328</u>	Gal. Purged	<u>80.94</u>
Conductance	<u>1939</u>	pH	<u>7.10</u>
Temp. °C	<u>14.91</u>		
Redox Potential Eh (mV)	<u>248</u>		
Turbidity (NTU)	<u>8.9</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input checked="" type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input checked="" type="checkbox"/>	H2SO4	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input type="checkbox"/>	<input type="checkbox"/>	HNO3	<input type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

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

Final Depth Sample Time

 See instruction

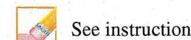
Comment

Arrived on site at 0710. Tanner Holliday present for purge and sampling event. Purge began at 0715. Purged well for a total of 375 minutes. water was mostly clear throughout the purge. Purge ended and samples collected at 1330. Left site at 1334

MW-31 09-18-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: September Monthly Ground Water 2012

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-35-09192012

Date and Time for Purging 9/19/2012

and Sampling (if different) N/A

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet) GED

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 μ MHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging 112.33

Casing Volume (V) 4" Well: 7.94 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 4170

pH of Water (avg) 6.80

Well Water Temp. (avg) 14.60

Redox Potential (Eh) 168

Turbidity 0.7 ^{0.7}

Weather Cond. Clear

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

Time	<u>0910</u>	Gal. Purged	<u>16.27</u>
Conductance	<u>4171</u>	pH	<u>6.79</u>
Temp. °C	<u>14.61</u>		
Redox Potential Eh (mV)	<u>172</u>		
Turbidity (NTU)	<u>0.7</u>		

Time	<u>0911</u>	Gal. Purged	<u>16.49</u>
Conductance	<u>4172</u>	pH	<u>6.80</u>
Temp. °C	<u>14.61</u>		
Redox Potential Eh (mV)	<u>170</u>		
Turbidity (NTU)	<u>0.7</u>		

Time	<u>0912</u>	Gal. Purged	<u>16.70</u>
Conductance	<u>4166</u>	pH	<u>6.80</u>
Temp. °C	<u>14.60</u>		
Redox Potential Eh (mV)	<u>165</u>		
Turbidity (NTU)	<u>0.7</u>		

Time	<u>0913</u>	Gal. Purged	<u>16.92</u>
Conductance	<u>4172</u>	pH	<u>6.81</u>
Temp. °C	<u>14.60</u>		
Redox Potential Eh (mV)	<u>165</u>		
Turbidity (NTU)	<u>0.7</u>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time



See instruction

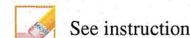
Comment

Arrived on site at 0750. Tanner and Garrin present for purge and sampling event. Purge began at 0755. Purged well for a total of 80 minutes. water was clear throughout purge. Purge ended and sample collected at 0915. Left site at 0921

MW-35 09-19-2012 Do not touch this cell (SheetName)



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



Description of Sampling Event: September Monthly Groundwater 2012

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID MW-65-09192012

Date and Time for Purging 9/19/2012

and Sampling (if different) N/A

Well Purging Equip Used: pump or bailer

Well Pump (if other than Bennet) QED

Purging Method Used: 2 casings 3 casings

Sampling Event Monthly GW

Prev. Well Sampled in Sampling Event MW-30

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 μ MHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging 112.33

Casing Volume (V) 4" Well: 7.94 (.653h)
 3" Well: 0 (.367h)

Conductance (avg) 4170

pH of Water (avg) 6.80

Well Water Temp. (avg) 14.60

Redox Potential (Eh) 168

Turbidity 0.7

Weather Cond. Clear

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

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Time	<input type="text"/>	Gal. Purged	<input type="text"/>
Conductance	<input type="text"/>	pH	<input type="text"/>
Temp. °C	<input type="text"/>		
Redox Potential Eh (mV)	<input type="text"/>		
Turbidity (NTU)	<input type="text"/>		

Volume of Water Purged gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

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	<input type="checkbox"/>	<input type="checkbox"/>	3x40 ml	<input type="checkbox"/>	<input type="checkbox"/>	HCL	<input type="checkbox"/>	<input type="checkbox"/>
Nutrients	<input type="checkbox"/>	<input type="checkbox"/>	100 ml	<input type="checkbox"/>	<input type="checkbox"/>	H2SO4	<input type="checkbox"/>	<input type="checkbox"/>
Heavy Metals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All Other Non Radiologics	<input type="checkbox"/>	<input type="checkbox"/>	250 ml	<input type="checkbox"/>	<input type="checkbox"/>	No Preserv.	<input type="checkbox"/>	<input type="checkbox"/>
Gross Alpha	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,000 ml	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HNO3	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other (specify)	<input type="checkbox"/>	<input type="checkbox"/>	Sample volume	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

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

Final Depth

Sample Time

 See instruction

Comment

Duplicate of MW-35

MW-65 09-19-2012 Do not touch this cell (SheetName)

Tab D

Quarterly Depth to Water

NAME: Tanner Holliday, Garrin Palmer

DATE: 9/27/2012

TIME	WELL	Static level	TIME	WELL	Static Level	TIME	WELL	Static Level	TIME	WELL	Static Level
832	MW-1	64.30	944	MW-4	72.04	801	PIEZ-1	62.08	NA	DR-1	ABANDON
1127	MW-2	109.80	942	TW4-1	64.85	756	PIEZ-2	27.04	NA	DR-2	ABANDON
1324	MW-3	83.11	945	TW4-2	67.26	752	PIEZ-3	41.47			
1325	MW-3A	85.15	938	TW4-3	50.15	1004	PIEZ-4	47.74			
1032	MW-5	106.45	949	TW4-4	70.13	1001	PIEZ-5	42.75	1203	DR-5	83.11
1027	MW-11	87.85	935	TW4-5	56.81				1207	DR-6	94.44
1036	MW-12	108.49	948	TW4-6	69.74	847	TWN-1	53.06	1021	DR-7	92.22
1009	MW-14	103.71	943	TW4-7	68.17	842	TWN-2	23.66	1216	DR-8	51.05
1011	MW-15	106.45	940	TW4-8	66.55	746	TWN-3	34.00	1212	DR-9	86.52
1331	MW-17	74.36	937	TW4-9	54.67	750	TWN-4	43.40	1210	DR-10	78.1
829	MW-18	70.17	932	TW4-10	55.95	834	TWN-5	69.55	1317	DR-11	98.3
759	MW-19	54.19	947	TW4-11	56.96	824	TWN-6	75.17	1321	DR-12	88.85
1308	MW-20	85.63	952	TW4-12	41.09	837	TWN-7	87.86	1328	DR-13	69.99
1300	MW-22	67.05	954	TW4-13	46.90	826	TWN-8	62.20	1227	DR-14	76.39
1043	MW-23	114.15	956	TW4-14	86.45	804	TWN-9	62.60	1312	DR-15	93
1124	MW-24	114.25	1103	TW4-15	74.59	822	TWN-10	80.85	NA	DR-16	ABANDON
1005	MW-25	73.55	1101	TW4-16	59.37	818	TWN-11	69.50	1230	DR-17	64.97
1103	MW-26	74.59	1053	TW4-17	74.36	815	TWN-12	27.34	NA	DR-18	ABANDON
841	MW-27	51.46	849	TW4-18	57.30	807	TWN-13	45.81	1234	DR-19	63.25
1121	MW-28	76.45	730	TW4-19	59.99	810	TWN-14	62.46	1245	DR-20	55.5
1046	MW-29	101.95	932	TW4-20	59.95	821	TWN-15	91.91	1251	DR-21	107.37
1049	MW-30	75.82	857	TW4-21	54.19	814	TWN-16	47.71	1238	DR-22	Dry
1059	MW-31	67.81	931	TW4-22	53.10	811	TWN-17	33.79	1248	DR-23	70.66
1053	MW-32	74.36	1055	TW4-23	64.45	743	TWN-18	57.95	1241	DR-24	43.84
1018	MW-33	dry	929	TW4-24	54.70	1154	TWN-19	52.50	NA	DR-25	ABANDON
1014	MW-34	107.94	845	TW4-25	49.31						
1041	MW-35	112.35	1057	TW4-26	63.11						
1015	MW-36	110.46	958	TW4-27	82.35						
1012	MW-37	107.25									

Tab E

Laboratory Analytical Reports – Quarterly Sampling



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070741-001
Client Sample ID: MW-02_07162012

Report Date: 08/14/12
Collection Date: 07/16/12 12:45
Date Received: 07/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.9	pCi/L				E900.1	08/01/12 09:30 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	08/01/12 09:30 / lbb
Gross Alpha minus Rn & U MDC	0.1	pCi/L				E900.1	08/01/12 09:30 / lbb

Report Definitions:

RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070741-002
Client Sample ID: MW-03_07182012

Report Date: 08/14/12
Collection Date: 07/18/12 09:55
Date Received: 07/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Fluoride	0.96	mg/L		0.10		A4500-F C	07/23/12 12:28 / jba
METALS - DISSOLVED							
Selenium	51.1	ug/L		5.0		E200.8	08/05/12 09:55 / cp

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070741-003
Client Sample ID: MW-03A_07192012

Report Date: 08/14/12
Collection Date: 07/19/12 07:00
Date Received: 07/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Sulfate	3700	mg/L	D	20		E300.0	07/25/12 22:54 / wc
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	5720	mg/L		10		A2540 C	07/23/12 09:20 / ab
METALS - DISSOLVED							
Selenium	99.3	ug/L		5.0		E200.8	08/13/12 13:15 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070741-004
Client Sample ID: MW-05_07162012

Report Date: 08/14/12
Collection Date: 07/16/12 14:55
Date Received: 07/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Uranium	0.75	ug/L		0.30		E200.8	08/05/12 10:04 / cp

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



ORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-001A
Client Sample ID: MW-11_07112012
Collection Date: 7/11/2012 1210h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 7/13/2012 841h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

463 West 3600 South
Salt Lake City, UT 84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual		
Tetrahydrofuran	109-99-9	1.00	< 1.00			
Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	50.2	50.00	100	77-129	
Surr: Dibromofluoromethane	1868-53-7	54.2	50.00	108	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	53.0	50.00	106	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.9	50.00	110	72-151	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-001
Client Sample ID: MW-11_07112012
Collection Date: 7/11/2012 1210h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

DISSOLVED METALS

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Tin	mg/L		7/21/2012 1734h	E200.8	0.100	< 0.100	^

^ - Reissue of a previously generated report. Information has been added, updated, or revised. Information herein supersedes that of the previously issued reports.

This sample was not digested pursuant to the client request.

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-003
Client Sample ID: MW-11_07112012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/11/12 12:10
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	07/13/12 18:20 / jba
Bicarbonate as HCO3	374	mg/L		1		A2320 B	07/13/12 18:20 / jba
Calcium	66.5	mg/L		0.5		E200.7	07/18/12 14:55 / sf
Chloride	39	mg/L		1		A4500-Cl B	07/19/12 14:44 / wc
Fluoride	0.48	mg/L		0.10		A4500-F C	07/13/12 13:58 / jba
Magnesium	19.6	mg/L		0.5		E200.7	07/18/12 14:55 / sf
Nitrogen, Ammonia as N	0.66	mg/L		0.05		A4500-NH3 G	07/17/12 12:48 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/16/12 11:50 / lr
Potassium	7.4	mg/L		0.5		E200.7	07/18/12 14:55 / sf
Sodium	618	mg/L		0.5		E200.7	07/18/12 14:55 / sf
Sulfate	1080	mg/L	D	50		A4500-SO4 E	07/20/12 11:52 / ab
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	2020	mg/L		10		A2540 C	07/13/12 15:51 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	07/25/12 07:14 / cp
Beryllium	ND	ug/L		0.50		E200.8	08/01/12 15:23 / cp
Cadmium	ND	ug/L		0.50		E200.8	07/25/12 07:14 / cp
Chromium	ND	ug/L		25		E200.8	07/25/12 07:14 / cp
Cobalt	ND	ug/L		10		E200.8	07/25/12 07:14 / cp
Copper	ND	ug/L		10		E200.8	07/25/12 07:14 / cp
Iron	204	ug/L		30		E200.7	07/18/12 14:55 / sf
Lead	ND	ug/L		1.0		E200.8	07/25/12 07:14 / cp
Manganese	135	ug/L		10		E200.8	07/25/12 07:14 / cp
Mercury	ND	ug/L		0.50		E200.8	08/01/12 15:23 / cp
Molybdenum	ND	ug/L		10		E200.8	07/25/12 07:14 / cp
Nickel	ND	ug/L		20		E200.8	07/25/12 07:14 / cp
Selenium	ND	ug/L		5.0		E200.8	07/25/12 07:14 / cp
Silver	ND	ug/L		10		E200.8	07/25/12 07:14 / cp
Thallium	ND	ug/L		0.50		E200.8	07/25/12 07:14 / cp
Uranium	0.73	ug/L		0.30		E200.8	07/25/12 07:14 / cp
Vanadium	ND	ug/L		15		E200.8	07/25/12 07:14 / cp
Zinc	ND	ug/L		10		E200.8	07/25/12 07:14 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.3	pCi/L				E900.1	08/08/12 22:25 / lbb
Gross Alpha minus Rn & U Precision (±)	0.1	pCi/L				E900.1	08/08/12 22:25 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	08/08/12 22:25 / lbb

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.
 D - RL increased due to sample matrix.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-003
Client Sample ID: MW-11_07112012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/11/12 12:10
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	3.65	%				A1030 E	08/08/12 16:02 / sdw
Anions	29.8	meq/L				A1030 E	08/08/12 16:02 / sdw
Cations	32.1	meq/L				A1030 E	08/08/12 16:02 / sdw
Solids, Total Dissolved Calculated	2000	mg/L				A1030 E	08/08/12 16:02 / sdw
TDS Balance (0.80 - 1.20)	1.00					A1030 E	08/08/12 16:02 / sdw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/24/12 00:16 / jk
Benzene	ND	ug/L		1.0		SW8260B	07/24/12 00:16 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/24/12 00:16 / jk
Chloroform	ND	ug/L		1.0		SW8260B	07/24/12 00:16 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	07/24/12 00:16 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/24/12 00:16 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	07/24/12 00:16 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	07/24/12 00:16 / jk
Toluene	ND	ug/L		1.0		SW8260B	07/24/12 00:16 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/24/12 00:16 / jk
Surr: 1,2-Dichlorobenzene-d4	92.0	%REC		80-120		SW8260B	07/24/12 00:16 / jk
Surr: Dibromofluoromethane	92.0	%REC		70-130		SW8260B	07/24/12 00:16 / jk
Surr: p-Bromofluorobenzene	80.0	%REC		80-120		SW8260B	07/24/12 00:16 / jk
Surr: Toluene-d8	91.0	%REC		80-120		SW8260B	07/24/12 00:16 / jk

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070741-005
Client Sample ID: MW-12_07172012

Report Date: 08/14/12
Collection Date: 07/17/12 09:40
Date Received: 07/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Selenium	20.7	ug/L		5.0		E200.8	08/05/12 10:09 / cp

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



ORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-002A
Client Sample ID: MW-14_07112012
Collection Date: 7/11/2012 1235h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 7/13/2012 1133h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

463 West 3600 South
Salt Lake City, UT 84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Tetrahydrofuran	109-99-9	1.00	< 1.00	

Phone: (801) 263-8686
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e-mail: awal@awal-labs.com

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	51.4	50.00	103	77-129	
Surr: Dibromofluoromethane	1868-53-7	54.8	50.00	110	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	55.2	50.00	110	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.2	50.00	110	72-151	

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-002
Client Sample ID: MW-14_07112012
Collection Date: 7/11/2012 1235h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

DISSOLVED METALS

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Tin	mg/L		7/21/2012 1739h	E200.8	0.100	< 0.100	^

^ - Reissue of a previously generated report. Information has been added, updated, or revised. Information herein supersedes that of the previously issued reports.

This sample was not digested pursuant to the client request.

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-004
Client Sample ID: MW-14_07112012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/11/12 12:35
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO ₃	ND	mg/L		1		A2320 B	07/13/12 18:28 / jba
Bicarbonate as HCO ₃	466	mg/L		1		A2320 B	07/13/12 18:28 / jba
Calcium	494	mg/L		0.5		E200.7	07/18/12 14:59 / sf
Chloride	19	mg/L		1		A4500-Cl B	07/19/12 14:45 / wc
Fluoride	0.15	mg/L		0.10		A4500-F C	07/13/12 14:09 / jba
Magnesium	151	mg/L		0.5		E200.7	07/18/12 14:59 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH ₃ G	07/17/12 12:50 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/16/12 11:57 / lr
Potassium	12.2	mg/L		0.5		E200.7	07/18/12 14:59 / sf
Sodium	351	mg/L		0.5		E200.7	07/18/12 14:59 / sf
Sulfate	2070	mg/L	D	50		A4500-SO ₄ E	07/20/12 11:56 / ab
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3600	mg/L		10		A2540 C	07/13/12 15:51 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	07/25/12 07:52 / cp
Beryllium	ND	ug/L		0.50		E200.8	08/01/12 15:45 / cp
Cadmium	1.26	ug/L		0.50		E200.8	07/25/12 07:52 / cp
Chromium	ND	ug/L		25		E200.8	07/25/12 07:52 / cp
Cobalt	ND	ug/L		10		E200.8	07/25/12 07:52 / cp
Copper	ND	ug/L		10		E200.8	07/25/12 07:52 / cp
Iron	ND	ug/L		30		E200.7	07/18/12 14:59 / sf
Lead	ND	ug/L		1.0		E200.8	07/25/12 07:52 / cp
Manganese	2100	ug/L		10		E200.8	07/25/12 07:52 / cp
Mercury	ND	ug/L		0.50		E200.8	08/01/12 15:45 / cp
Molybdenum	ND	ug/L		10		E200.8	07/25/12 07:52 / cp
Nickel	ND	ug/L		20		E200.8	07/25/12 07:52 / cp
Selenium	ND	ug/L		5.0		E200.8	07/25/12 07:52 / cp
Silver	ND	ug/L		10		E200.8	07/25/12 07:52 / cp
Thallium	ND	ug/L		0.50		E200.8	07/25/12 07:52 / cp
Uranium	73.1	ug/L		0.30		E200.8	07/25/12 07:52 / cp
Vanadium	ND	ug/L		15		E200.8	07/25/12 07:52 / cp
Zinc	ND	ug/L		10		E200.8	07/25/12 07:52 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.2	pCi/L				E900.1	08/08/12 22:25 / lbb
Gross Alpha minus Rn & U Precision (±)	0.1	pCi/L				E900.1	08/08/12 22:25 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	08/08/12 22:25 / lbb

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.
 D - RL increased due to sample matrix.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-004
Client Sample ID: MW-14_07112012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/11/12 12:35
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	1.23	%				A1030 E	08/08/12 16:02 / sdw
Anions	51.4	meq/L				A1030 E	08/08/12 16:02 / sdw
Cations	52.7	meq/L				A1030 E	08/08/12 16:02 / sdw
Solids, Total Dissolved Calculated	3300	mg/L				A1030 E	08/08/12 16:02 / sdw
TDS Balance (0.80 - 1.20)	1.08					A1030 E	08/08/12 16:02 / sdw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/24/12 00:52 / jk
Benzene	ND	ug/L		1.0		SW8260B	07/24/12 00:52 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/24/12 00:52 / jk
Chloroform	ND	ug/L		1.0		SW8260B	07/24/12 00:52 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	07/24/12 00:52 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/24/12 00:52 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	07/24/12 00:52 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	07/24/12 00:52 / jk
Toluene	ND	ug/L		1.0		SW8260B	07/24/12 00:52 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/24/12 00:52 / jk
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC		80-120		SW8260B	07/24/12 00:52 / jk
Surr: Dibromofluoromethane	96.0	%REC		70-130		SW8260B	07/24/12 00:52 / jk
Surr: p-Bromofluorobenzene	85.0	%REC		80-120		SW8260B	07/24/12 00:52 / jk
Surr: Toluene-d8	104	%REC		80-120		SW8260B	07/24/12 00:52 / jk

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070741-006
Client Sample ID: MW-15_07172012

Report Date: 08/14/12
Collection Date: 07/17/12 10:50
Date Received: 07/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Iron	ND	ug/L		30		E200.7	07/23/12 14:56 / sf
Selenium	120	ug/L		5.0		E200.8	08/05/12 10:13 / cp

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070741-007
Client Sample ID: MW-18_07182012

Report Date: 08/14/12
Collection Date: 07/18/12 13:15
Date Received: 07/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Sulfate	1900	mg/L	D	8		E300.0	07/25/12 23:12 / wc
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3220	mg/L		10		A2540 C	07/23/12 09:20 / ab
METALS - DISSOLVED							
Thallium	3.73	ug/L		0.50		E200.8	08/05/12 10:18 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070741-008
Client Sample ID: MW-19_07192012

Report Date: 08/14/12
Collection Date: 07/19/12 08:00
Date Received: 07/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Nitrogen, Nitrate+Nitrite as N	4.0	mg/L	D	0.2		E353.2	07/25/12 14:34 / lr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070741-010
Client Sample ID: MW-23_07172012

Report Date: 08/14/12
Collection Date: 07/17/12 07:32
Date Received: 07/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Manganese	117	ug/L		1.0		E200.8	08/10/12 09:21 / cp

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070741-011
Client Sample ID: MW-24_07182012

Report Date: 08/14/12
Collection Date: 07/18/12 06:30
Date Received: 07/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Cadmium	4.70	ug/L		0.50		E200.8	08/05/12 10:50 / cp
Thallium	1.36	ug/L		0.50		E200.8	08/07/12 04:43 / cp

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



ORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-003A
Client Sample ID: MW-25_07102012
Collection Date: 7/10/2012 1220h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 7/13/2012 1230h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

463 West 3600 South
Salt Lake City, UT 84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Tetrahydrofuran	109-99-9	1.00	< 1.00	

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	50.6	50.00	101	77-129	
Surr: Dibromofluoromethane	1868-53-7	55.2	50.00	110	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	53.6	50.00	107	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.8	50.00	112	72-151	

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-003
Client Sample ID: MW-25_07102012
Collection Date: 7/10/2012 1220h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		7/21/2012 1743h	E200.8	0.100	< 0.100	^

^ - Reissue of a previously generated report. Information has been added, updated, or revised. Information herein supersedes that of the previously issued reports.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-005
Client Sample ID: MW-25_07102012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/10/12 12:20
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	07/13/12 18:36 / jba
Bicarbonate as HCO3	396	mg/L		1		A2320 B	07/13/12 18:36 / jba
Calcium	321	mg/L		0.5		E200.7	07/18/12 15:03 / sf
Chloride	33	mg/L		1		A4500-Cl B	07/19/12 14:55 / wc
Fluoride	0.30	mg/L		0.10		A4500-F C	07/13/12 14:13 / jba
Magnesium	117	mg/L		0.5		E200.7	07/18/12 15:03 / sf
Nitrogen, Ammonia as N	0.43	mg/L		0.05		A4500-NH3 G	07/17/12 12:52 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/16/12 12:00 / lr
Potassium	9.3	mg/L		0.5		E200.7	07/18/12 15:03 / sf
Sodium	290	mg/L		0.5		E200.7	07/18/12 15:03 / sf
Sulfate	1620	mg/L	D	50		A4500-SO4 E	07/20/12 12:24 / ab
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	2780	mg/L		10		A2540 C	07/13/12 15:52 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	07/25/12 07:56 / cp
Beryllium	ND	ug/L		0.50		E200.8	08/01/12 15:49 / cp
Cadmium	1.24	ug/L		0.50		E200.8	07/25/12 07:56 / cp
Chromium	ND	ug/L		25		E200.8	07/25/12 07:56 / cp
Cobalt	ND	ug/L		10		E200.8	07/25/12 07:56 / cp
Copper	ND	ug/L		10		E200.8	07/25/12 07:56 / cp
Iron	ND	ug/L		30		E200.7	07/18/12 15:03 / sf
Lead	ND	ug/L		1.0		E200.8	07/25/12 07:56 / cp
Manganese	1600	ug/L		10		E200.8	07/25/12 07:56 / cp
Mercury	ND	ug/L		0.50		E200.8	08/01/12 15:49 / cp
Molybdenum	11	ug/L		10		E200.8	07/25/12 07:56 / cp
Nickel	ND	ug/L		20		E200.8	07/25/12 07:56 / cp
Selenium	ND	ug/L		5.0		E200.8	07/25/12 07:56 / cp
Silver	ND	ug/L		10		E200.8	07/25/12 07:56 / cp
Thallium	0.93	ug/L		0.50		E200.8	07/25/12 07:56 / cp
Uranium	6.45	ug/L		0.30		E200.8	07/25/12 07:56 / cp
Vanadium	ND	ug/L		15		E200.8	07/25/12 07:56 / cp
Zinc	ND	ug/L		10		E200.8	07/25/12 07:56 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.7	pCi/L				E900.1	08/08/12 22:25 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	08/08/12 22:25 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	08/08/12 22:25 / lbb

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.
 D - RL increased due to sample matrix.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-005
Client Sample ID: MW-25_07102012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/10/12 12:20
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-3.29	%				A1030 E	08/08/12 16:03 / sdw
Anions	41.1	meq/L				A1030 E	08/08/12 16:03 / sdw
Cations	38.5	meq/L				A1030 E	08/08/12 16:03 / sdw
Solids, Total Dissolved Calculated	2600	mg/L				A1030 E	08/08/12 16:03 / sdw
TDS Balance (0.80 - 1.20)	1.07					A1030 E	08/08/12 16:03 / sdw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/20/12 06:51 / jk
Benzene	ND	ug/L		1.0		SW8260B	07/20/12 06:51 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/20/12 06:51 / jk
Chloroform	ND	ug/L		1.0		SW8260B	07/20/12 06:51 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	07/20/12 06:51 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/20/12 06:51 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	07/20/12 06:51 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	07/20/12 06:51 / jk
Toluene	ND	ug/L		1.0		SW8260B	07/20/12 06:51 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/20/12 06:51 / jk
Surr: 1,2-Dichlorobenzene-d4	96.0	%REC		80-120		SW8260B	07/20/12 06:51 / jk
Surr: Dibromofluoromethane	92.0	%REC		70-130		SW8260B	07/20/12 06:51 / jk
Surr: p-Bromofluorobenzene	80.0	%REC		80-120		SW8260B	07/20/12 06:51 / jk
Surr: Toluene-d8	101	%REC		80-120		SW8260B	07/20/12 06:51 / jk

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



ORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-004A
Client Sample ID: MW-26_07112012
Collection Date: 7/11/2012 951h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 7/13/2012 1249h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Tetrahydrofuran	109-99-9	1.00	< 1.00	

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Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	49.6	50.00	99.2	77-129	
Surr: Dibromofluoromethane	1868-53-7	55.5	50.00	111	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	53.2	50.00	106	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.2	50.00	110	72-151	

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Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-004
Client Sample ID: MW-26_07112012
Collection Date: 7/11/2012 0951h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

DISSOLVED METALS

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Tin	mg/L		7/21/2012 1748h	E200.8	0.100	< 0.100	^

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-006
Client Sample ID: MW-26_07112012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/11/12 09:51
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO ₃	ND	mg/L		1		A2320 B	07/13/12 18:44 / jba
Bicarbonate as HCO ₃	382	mg/L		1		A2320 B	07/13/12 18:44 / jba
Calcium	493	mg/L		0.5		E200.7	07/19/12 17:36 / sf
Chloride	78	mg/L		1		A4500-Cl B	07/19/12 15:02 / wc
Fluoride	0.29	mg/L		0.10		A4500-F C	07/13/12 14:16 / jba
Magnesium	152	mg/L		0.5		E200.7	07/18/12 15:07 / sf
Nitrogen, Ammonia as N	0.22	mg/L		0.05		A4500-NH ₃ G	07/17/12 12:54 / lr
Nitrogen, Nitrate+Nitrite as N	1.9	mg/L		0.1		E353.2	07/16/12 12:02 / lr
Potassium	9.5	mg/L		0.5		E200.7	07/18/12 15:07 / sf
Sodium	189	mg/L		0.5		E200.7	07/18/12 15:07 / sf
Sulfate	1730	mg/L	D	50		A4500-SO ₄ E	07/20/12 12:26 / ab
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3060	mg/L		10		A2540 C	07/13/12 15:52 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	07/25/12 08:01 / cp
Beryllium	ND	ug/L		0.50		E200.8	08/01/12 15:54 / cp
Cadmium	ND	ug/L		0.50		E200.8	07/25/12 08:01 / cp
Chromium	ND	ug/L		25		E200.8	07/25/12 08:01 / cp
Cobalt	ND	ug/L		10		E200.8	07/25/12 08:01 / cp
Copper	ND	ug/L		10		E200.8	07/25/12 08:01 / cp
Iron	773	ug/L		30		E200.7	07/18/12 15:07 / sf
Lead	ND	ug/L		1.0		E200.8	07/25/12 08:01 / cp
Manganese	1100	ug/L		10		E200.8	07/25/12 08:01 / cp
Mercury	ND	ug/L		0.50		E200.8	08/01/12 15:54 / cp
Molybdenum	ND	ug/L		10		E200.8	07/25/12 08:01 / cp
Nickel	ND	ug/L		20		E200.8	07/25/12 08:01 / cp
Selenium	ND	ug/L		5.0		E200.8	08/01/12 15:54 / cp
Silver	ND	ug/L		10		E200.8	07/25/12 08:01 / cp
Thallium	ND	ug/L		0.50		E200.8	07/25/12 08:01 / cp
Uranium	28.4	ug/L		0.30		E200.8	07/25/12 08:01 / cp
Vanadium	ND	ug/L		15		E200.8	07/25/12 08:01 / cp
Zinc	ND	ug/L		10		E200.8	07/25/12 08:01 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	1.8	pCi/L				E900.1	08/08/12 22:25 / lbb
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	08/08/12 22:25 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	08/08/12 22:25 / lbb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-006
Client Sample ID: MW-26_07112012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/11/12 09:51
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	1.04	%				A1030 E	08/08/12 16:03 / sdw
Anions	44.7	meq/L				A1030 E	08/08/12 16:03 / sdw
Cations	45.6	meq/L				A1030 E	08/08/12 16:03 / sdw
Solids, Total Dissolved Calculated	2900	mg/L				A1030 E	08/08/12 16:03 / sdw
TDS Balance (0.80 - 1.20)	1.07					A1030 E	08/08/12 16:03 / sdw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 3rd Quarter Groundwater 2012
Lab ID: C12080830-001
Client Sample ID: MW-26_08162012

Report Date: 08/30/12
Collection Date: 08/16/12 06:40
Date Received: 08/17/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	08/22/12 20:51 / jk
Benzene	ND	ug/L		1.0		SW8260B	08/22/12 20:51 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	08/22/12 20:51 / jk
Chloroform	970	ug/L	D	25		SW8260B	08/29/12 05:31 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	08/22/12 20:51 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	08/22/12 20:51 / jk
Methylene chloride	4.9	ug/L		1.0		SW8260B	08/22/12 20:51 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	08/22/12 20:51 / jk
Toluene	ND	ug/L		1.0		SW8260B	08/22/12 20:51 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	08/22/12 20:51 / jk
Surr: 1,2-Dichlorobenzene-d4	90.0	%REC		80-120		SW8260B	08/22/12 20:51 / jk
Surr: Dibromofluoromethane	90.0	%REC		70-130		SW8260B	08/22/12 20:51 / jk
Surr: p-Bromofluorobenzene	85.0	%REC		80-120		SW8260B	08/22/12 20:51 / jk
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	08/22/12 20:51 / jk

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070741-012
Client Sample ID: MW-27_07162012

Report Date: 08/14/12
Collection Date: 07/16/12 11:15
Date Received: 07/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	47	mg/L		1		E300.0	07/25/12 23:29 / wc
Nitrogen, Nitrate+Nitrite as N	6.7	mg/L	D	0.5		E353.2	07/25/12 14:42 / lr
Sulfate	453	mg/L	D	4		E300.0	07/25/12 23:29 / wc
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	1150	mg/L		10		A2540 C	07/23/12 09:20 / ab
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	1.2	pCi/L				E900.1	08/01/12 09:30 / lbb
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	08/01/12 09:30 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	08/01/12 09:30 / lbb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070741-013
Client Sample ID: MW-28_07162012

Report Date: 08/14/12
Collection Date: 07/16/12 10:35
Date Received: 07/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	105	mg/L	D	4		E300.0	07/27/12 14:01 / wc

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 3rd Quarter Groundwater 2012
Lab ID: C12080143-001
Client Sample ID: MW-28_08012012

Report Date: 08/24/12
Collection Date: 08/01/12 14:00
Date Received: 08/03/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Manganese	1660	ug/L		10		E200.8	08/20/12 15:18 / cp

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-001
Client Sample ID: MW-29_07102012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/10/12 13:45
Date Received: 07/13/12
Matrix: Aqueous

Analytes	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
LEAD - DISSOLVED	1270	ug/L		30		E200.7	07/16/12 15:25 / sf

**Report
Definitions:**

RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 3rd Quarter Groundwater 2012
Lab ID: C12080143-002
Client Sample ID: MW-29_08012012

Report Date: 08/24/12
Collection Date: 08/01/12 13:10
Date Received: 08/03/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	4420	mg/L		10		A2540 C	08/06/12 13:30 / jz
METALS - DISSOLVED							
Manganese	5190	ug/L		10		E200.8	08/20/12 15:23 / cp

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



ORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-005A
Client Sample ID: MW-30_07102012
Collection Date: 7/10/2012 1100h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 7/13/2012 1308h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Tetrahydrofuran	109-99-9	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	50.4	50.00	101	77-129	
Surr: Dibromofluoromethane	1868-53-7	55.0	50.00	110	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	56.4	50.00	113	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.8	50.00	112	72-151	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-005
Client Sample ID: MW-30_07102012
Collection Date: 7/10/2012 1100h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		7/21/2012 1753h	E200.8	0.100	< 0.100	^

^ - Reissue of a previously generated report. Information has been added, updated, or revised. Information herein supersedes that of the previously issued reports.

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Laboratory Director

Jose Rocha
QA Officer



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-007
Client Sample ID: MW-30_07102012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/10/12 11:00
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO ₃	ND	mg/L		1		A2320 B	07/13/12 18:52 / jba
Bicarbonate as HCO ₃	182	mg/L		1		A2320 B	07/13/12 18:52 / jba
Calcium	246	mg/L		0.5		E200.7	07/18/12 15:18 / sf
Chloride	128	mg/L		1		A4500-Cl B	07/19/12 15:03 / wc
Fluoride	0.33	mg/L		0.10		A4500-F C	07/13/12 14:21 / jba
Magnesium	65.9	mg/L		0.5		E200.7	07/18/12 15:18 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH ₃ G	07/17/12 13:20 / lr
Nitrogen, Nitrate+Nitrite as N	17	mg/L	D	1		E353.2	07/16/12 12:05 / lr
Potassium	6.2	mg/L		0.5		E200.7	07/18/12 15:18 / sf
Sodium	96.9	mg/L		0.5		E200.7	07/18/12 15:18 / sf
Sulfate	733	mg/L	D	20		A4500-SO ₄ E	07/20/12 12:31 / ab
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	1570	mg/L		10		A2540 C	07/13/12 15:52 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	07/25/12 08:06 / cp
Beryllium	ND	ug/L		0.50		E200.8	08/01/12 15:58 / cp
Cadmium	ND	ug/L		0.50		E200.8	07/25/12 08:06 / cp
Chromium	ND	ug/L		25		E200.8	07/25/12 08:06 / cp
Cobalt	ND	ug/L		10		E200.8	07/25/12 08:06 / cp
Copper	ND	ug/L		10		E200.8	07/25/12 08:06 / cp
Iron	43	ug/L		30		E200.7	07/18/12 15:18 / sf
Lead	ND	ug/L		1.0		E200.8	07/25/12 08:06 / cp
Manganese	31	ug/L		10		E200.8	07/25/12 08:06 / cp
Mercury	ND	ug/L		0.50		E200.8	08/01/12 15:58 / cp
Molybdenum	ND	ug/L		10		E200.8	07/25/12 08:06 / cp
Nickel	ND	ug/L		20		E200.8	07/25/12 08:06 / cp
Selenium	38.5	ug/L		5.0		E200.8	07/25/12 08:06 / cp
Silver	ND	ug/L		10		E200.8	07/25/12 08:06 / cp
Thallium	ND	ug/L		0.50		E200.8	07/25/12 08:06 / cp
Uranium	7.64	ug/L		0.30		E200.8	07/25/12 08:06 / cp
Vanadium	ND	ug/L		15		E200.8	07/25/12 08:06 / cp
Zinc	ND	ug/L		10		E200.8	07/25/12 08:06 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.3	pCi/L				E900.1	08/08/12 22:25 / lbb
Gross Alpha minus Rn & U Precision (±)	0.1	pCi/L				E900.1	08/08/12 22:25 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	08/08/12 22:25 / lbb

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.
 D - RL increased due to sample matrix.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-007
Client Sample ID: MW-30_07102012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/10/12 11:00
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-2.25	%				A1030 E	08/08/12 16:03 / sdw
Anions	23.1	meq/L				A1030 E	08/08/12 16:03 / sdw
Cations	22.1	meq/L				A1030 E	08/08/12 16:03 / sdw
Solids, Total Dissolved Calculated	1500	mg/L				A1030 E	08/08/12 16:03 / sdw
TDS Balance (0.80 - 1.20)	1.08					A1030 E	08/08/12 16:03 / sdw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/20/12 07:28 / jk
Benzene	ND	ug/L		1.0		SW8260B	07/20/12 07:28 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/20/12 07:28 / jk
Chloroform	ND	ug/L		1.0		SW8260B	07/20/12 07:28 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	07/20/12 07:28 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/20/12 07:28 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	07/20/12 07:28 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	07/20/12 07:28 / jk
Toluene	ND	ug/L		1.0		SW8260B	07/20/12 07:28 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/20/12 07:28 / jk
Surr: 1,2-Dichlorobenzene-d4	100	%REC		80-120		SW8260B	07/20/12 07:28 / jk
Surr: Dibromofluoromethane	90.0	%REC		70-130		SW8260B	07/20/12 07:28 / jk
Surr: p-Bromofluorobenzene	85.0	%REC		80-120		SW8260B	07/20/12 07:28 / jk
Surr: Toluene-d8	92.0	%REC		80-120		SW8260B	07/20/12 07:28 / jk

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



ORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-006A
Client Sample ID: MW-31_07092012
Collection Date: 7/9/2012 1335h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 7/13/2012 1327h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Tetrahydrofuran	109-99-9	1.00	< 1.00	

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e-mail: awal@awal-labs.com

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	50.2	50.00	100	77-129	
Surr: Dibromofluoromethane	1868-53-7	53.6	50.00	107	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	53.8	50.00	108	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.0	50.00	110	72-151	

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-006
Client Sample ID: MW-31_07092012
Collection Date: 7/9/2012 1335h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

DISSOLVED METALS

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Tin	mg/L		7/21/2012 1757h	E200.8	0.100	< 0.100	^

^ - Reissue of a previously generated report. Information has been added, updated, or revised. Information herein supersedes that of the previously issued reports.

This sample was not digested pursuant to the client request.

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-008
Client Sample ID: MW-31_07092012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/09/12 13:35
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	07/13/12 19:21 / jba
Bicarbonate as HCO3	202	mg/L		1		A2320 B	07/13/12 19:21 / jba
Calcium	189	mg/L		0.5		E200.7	07/18/12 15:22 / sf
Chloride	161	mg/L		1		A4500-Cl B	07/19/12 15:06 / wc
Fluoride	0.78	mg/L		0.10		A4500-F C	07/13/12 14:24 / jba
Magnesium	90.1	mg/L		0.5		E200.7	07/18/12 15:22 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	07/17/12 13:08 / lr
Nitrogen, Nitrate+Nitrite as N	21	mg/L	D	1		E353.2	07/16/12 12:07 / lr
Potassium	6.0	mg/L		0.5		E200.7	07/18/12 15:22 / sf
Sodium	98.0	mg/L		0.5		E200.7	07/18/12 15:22 / sf
Sulfate	529	mg/L	D	10		A4500-SO4 E	07/20/12 13:02 / ab
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	1400	mg/L		10		A2540 C	07/13/12 15:52 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	07/25/12 08:10 / cp
Beryllium	ND	ug/L		0.50		E200.8	08/01/12 16:03 / cp
Cadmium	ND	ug/L		0.50		E200.8	07/25/12 08:10 / cp
Chromium	ND	ug/L		25		E200.8	07/25/12 08:10 / cp
Cobalt	ND	ug/L		10		E200.8	07/25/12 08:10 / cp
Copper	ND	ug/L		10		E200.8	07/25/12 08:10 / cp
Iron	ND	ug/L		30		E200.7	07/18/12 15:22 / sf
Lead	ND	ug/L		1.0		E200.8	07/25/12 08:10 / cp
Manganese	ND	ug/L		10		E200.8	07/25/12 08:10 / cp
Mercury	ND	ug/L		0.50		E200.8	08/01/12 16:03 / cp
Molybdenum	ND	ug/L		10		E200.8	07/25/12 08:10 / cp
Nickel	ND	ug/L		20		E200.8	07/25/12 08:10 / cp
Selenium	74.0	ug/L		5.0		E200.8	07/25/12 08:10 / cp
Silver	ND	ug/L		10		E200.8	07/25/12 08:10 / cp
Thallium	ND	ug/L		0.50		E200.8	07/25/12 08:10 / cp
Uranium	8.17	ug/L		0.30		E200.8	07/25/12 08:10 / cp
Vanadium	ND	ug/L		15		E200.8	07/25/12 08:10 / cp
Zinc	ND	ug/L		10		E200.8	07/25/12 08:10 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.3	pCi/L				E900.1	08/08/12 22:25 / lbb
Gross Alpha minus Rn & U Precision (±)	0.1	pCi/L				E900.1	08/08/12 22:25 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	08/08/12 22:25 / lbb

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.
 D - RL increased due to sample matrix.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-008
Client Sample ID: MW-31_07092012

Report Date: 08/09/12
Collection Date: 07/09/12 13:35
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	2.10	%				A1030 E	08/08/12 16:03 / sdw
Anions	20.4	meq/L				A1030 E	08/08/12 16:03 / sdw
Cations	21.3	meq/L				A1030 E	08/08/12 16:03 / sdw
Solids, Total Dissolved Calculated	1300	mg/L				A1030 E	08/08/12 16:03 / sdw
TDS Balance (0.80 - 1.20)	1.09					A1030 E	08/08/12 16:03 / sdw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/18/12 15:34 / jk
Benzene	ND	ug/L		1.0		SW8260B	07/18/12 15:34 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/18/12 15:34 / jk
Chloroform	ND	ug/L		1.0		SW8260B	07/18/12 15:34 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	07/18/12 15:34 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/18/12 15:34 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	07/18/12 15:34 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	07/18/12 15:34 / jk
Toluene	ND	ug/L		1.0		SW8260B	07/18/12 15:34 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/18/12 15:34 / jk
Surr: 1,2-Dichlorobenzene-d4	94.0	%REC		80-120		SW8260B	07/18/12 15:34 / jk
Surr: Dibromofluoromethane	90.0	%REC		70-130		SW8260B	07/18/12 15:34 / jk
Surr: p-Bromofluorobenzene	78.0	%REC	S	80-120		SW8260B	07/18/12 15:34 / jk
Surr: Toluene-d8	94.0	%REC		80-120		SW8260B	07/18/12 15:34 / jk

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-002
Client Sample ID: MW-32_07092012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/09/12 13:15
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	1.4	pCi/L				E900.1	08/08/12 22:25 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	08/08/12 22:25 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	08/08/12 22:25 / lbb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



ORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-007A
Client Sample ID: MW-35_07102012
Collection Date: 7/10/2012 1410h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 7/13/2012 1346h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual		
Tetrahydrofuran	109-99-9	1.00	< 1.00			
Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	50.8	50.00	102	77-129	
Surr: Dibromofluoromethane	1868-53-7	55.1	50.00	110	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	55.3	50.00	111	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.7	50.00	111	72-151	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-007
Client Sample ID: MW-35_07102012
Collection Date: 7/10/2012 1410h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

DISSOLVED METALS

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Tin	mg/L		7/21/2012 1830h	E200.8	0.100	< 0.100	^

^ - Reissue of a previously generated report. Information has been added, updated, or revised. Information herein supersedes that of the previously issued reports.

This sample was not digested pursuant to the client request.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-009
Client Sample ID: MW-35_07102012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/10/12 14:10
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	07/13/12 19:37 / jba
Bicarbonate as HCO3	400	mg/L		1		A2320 B	07/13/12 19:37 / jba
Calcium	504	mg/L		0.5		E200.7	07/18/12 15:27 / sf
Chloride	64	mg/L		1		A4500-Cl B	07/19/12 15:08 / wc
Fluoride	0.35	mg/L		0.10		A4500-F C	07/13/12 14:26 / jba
Magnesium	150	mg/L		0.5		E200.7	07/18/12 15:27 / sf
Nitrogen, Ammonia as N	0.08	mg/L		0.05		A4500-NH3 G	07/17/12 13:10 / lr
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	07/16/12 12:10 / lr
Potassium	10.3	mg/L		0.5		E200.7	07/18/12 15:27 / sf
Sodium	366	mg/L	D	1		E200.7	07/18/12 15:27 / sf
Sulfate	2230	mg/L	D	50		A4500-SO4 E	07/20/12 13:05 / ab
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3860	mg/L		10		A2540 C	07/13/12 15:52 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	07/25/12 08:15 / cp
Beryllium	ND	ug/L		0.50		E200.8	08/01/12 16:21 / cp
Cadmium	ND	ug/L		0.50		E200.8	07/25/12 08:15 / cp
Chromium	ND	ug/L		25		E200.8	07/25/12 08:15 / cp
Cobalt	ND	ug/L		10		E200.8	07/25/12 08:15 / cp
Copper	ND	ug/L		10		E200.8	07/25/12 08:15 / cp
Iron	131	ug/L		30		E200.7	07/18/12 15:27 / sf
Lead	ND	ug/L		1.0		E200.8	07/25/12 08:15 / cp
Manganese	272	ug/L		10		E200.8	07/25/12 08:15 / cp
Mercury	ND	ug/L		0.50		E200.8	08/01/12 16:21 / cp
Molybdenum	ND	ug/L		10		E200.8	07/25/12 08:15 / cp
Nickel	ND	ug/L		20		E200.8	07/25/12 08:15 / cp
Selenium	15.9	ug/L		5.0		E200.8	07/25/12 08:15 / cp
Silver	ND	ug/L		10		E200.8	07/25/12 08:15 / cp
Thallium	0.57	ug/L		0.50		E200.8	07/25/12 08:15 / cp
Uranium	24.5	ug/L		0.30		E200.8	07/25/12 08:15 / cp
Vanadium	ND	ug/L		15		E200.8	07/25/12 08:15 / cp
Zinc	ND	ug/L		10		E200.8	07/25/12 08:15 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	3.5	pCi/L				E900.1	08/09/12 00:07 / lbb
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	08/09/12 00:07 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	08/09/12 00:07 / lbb

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.
 D - RL increased due to sample matrix.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-009
Client Sample ID: MW-35_07102012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/10/12 14:10
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-0.973	%				A1030 E	08/08/12 16:04 / sdw
Anions	54.8	meq/L				A1030 E	08/08/12 16:04 / sdw
Cations	53.7	meq/L				A1030 E	08/08/12 16:04 / sdw
Solids, Total Dissolved Calculated	3500	mg/L				A1030 E	08/08/12 16:04 / sdw
TDS Balance (0.80 - 1.20)	1.09					A1030 E	08/08/12 16:04 / sdw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/19/12 18:06 / jk
Benzene	ND	ug/L		1.0		SW8260B	07/19/12 18:06 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/19/12 18:06 / jk
Chloroform	ND	ug/L		1.0		SW8260B	07/19/12 18:06 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	07/19/12 18:06 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/19/12 18:06 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	07/19/12 18:06 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	07/19/12 18:06 / jk
Toluene	ND	ug/L		1.0		SW8260B	07/19/12 18:06 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/19/12 18:06 / jk
Surr: 1,2-Dichlorobenzene-d4	94.0	%REC		80-120		SW8260B	07/19/12 18:06 / jk
Surr: Dibromofluoromethane	84.0	%REC		70-130		SW8260B	07/19/12 18:06 / jk
Surr: p-Bromofluorobenzene	75.0	%REC	S	80-120		SW8260B	07/19/12 18:06 / jk
Surr: Toluene-d8	95.0	%REC		80-120		SW8260B	07/19/12 18:06 / jk

Report Definitions:

RL - Analyte reporting limit.

QCL - Quality control limit.

S - Spike recovery outside of advisory limits.

MCL - Maximum contaminant level.

ND - Not detected at the reporting limit.



ORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-008A
Client Sample ID: MW-36_07112012
Collection Date: 7/11/2012 915h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 7/13/2012 1406h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

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Salt Lake City, UT 84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Tetrahydrofuran	109-99-9	1.00	< 1.00	

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	50.3	50.00	101	77-129	
Surr: Dibromofluoromethane	1868-53-7	55.1	50.00	110	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	54.5	50.00	109	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.3	50.00	111	72-151	

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-008
Client Sample ID: MW-36_07112012
Collection Date: 7/11/2012 0915h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

DISSOLVED METALS

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Tin	mg/L		7/21/2012 1835h	E200.8	0.100	< 0.100	^

^ - Reissue of a previously generated report. Information has been added, updated, or revised. Information herein supersedes that of the previously issued reports.

This sample was not digested pursuant to the client request.

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Laboratory Director

Jose Rocha
QA Officer



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-010
Client Sample ID: MW-36_07112012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/11/12 09:15
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	07/13/12 19:53 / jba
Bicarbonate as HCO3	353	mg/L		1		A2320 B	07/13/12 19:53 / jba
Calcium	433	mg/L		0.5		E200.7	07/18/12 15:30 / sf
Chloride	60	mg/L		1		A4500-Cl B	07/19/12 15:11 / wc
Fluoride	0.30	mg/L		0.10		A4500-F C	07/13/12 14:29 / jba
Magnesium	134	mg/L		0.5		E200.7	07/18/12 15:30 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	07/17/12 13:12 / lr
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1		E353.2	07/16/12 12:12 / lr
Potassium	8.8	mg/L		0.5		E200.7	07/18/12 15:30 / sf
Sodium	635	mg/L	D	1		E200.7	07/18/12 15:30 / sf
Sulfate	2660	mg/L	D	50		A4500-SO4 E	07/20/12 13:27 / ab
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	4420	mg/L		10		A2540 C	07/13/12 15:53 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	08/01/12 16:43 / cp
Beryllium	ND	ug/L		0.50		E200.8	08/01/12 16:43 / cp
Cadmium	ND	ug/L		0.50		E200.8	08/01/12 16:43 / cp
Chromium	ND	ug/L		25		E200.8	08/01/12 16:43 / cp
Cobalt	ND	ug/L		10		E200.8	08/01/12 16:43 / cp
Copper	ND	ug/L		10		E200.8	08/01/12 16:43 / cp
Iron	ND	ug/L		30		E200.7	07/18/12 15:30 / sf
Lead	ND	ug/L		1.0		E200.8	08/01/12 16:43 / cp
Manganese	ND	ug/L		10		E200.8	08/01/12 16:43 / cp
Mercury	ND	ug/L		0.50		E200.8	08/01/12 16:43 / cp
Molybdenum	ND	ug/L		10		E200.8	08/01/12 16:43 / cp
Nickel	ND	ug/L		20		E200.8	08/01/12 16:43 / cp
Selenium	278	ug/L		5.0		E200.8	08/01/12 16:43 / cp
Silver	ND	ug/L		10		E200.8	08/01/12 16:43 / cp
Thallium	0.98	ug/L		0.50		E200.8	08/01/12 16:43 / cp
Uranium	26.5	ug/L		0.30		E200.8	08/01/12 16:43 / cp
Vanadium	ND	ug/L		15		E200.8	08/01/12 16:43 / cp
Zinc	ND	ug/L		10		E200.8	08/01/12 16:43 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.6	pCi/L				E900.1	08/09/12 00:07 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	08/09/12 00:07 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	08/09/12 00:07 / lbb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-010
Client Sample ID: MW-36_07112012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/11/12 09:15
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-1.96	%				A1030 E	08/08/12 16:04 / sdw
Anions	62.9	meq/L				A1030 E	08/08/12 16:04 / sdw
Cations	60.5	meq/L				A1030 E	08/08/12 16:04 / sdw
Solids, Total Dissolved Calculated	4100	mg/L				A1030 E	08/08/12 16:04 / sdw
TDS Balance (0.80 - 1.20)	1.07					A1030 E	08/08/12 16:04 / sdw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/24/12 01:28 / jk
Benzene	ND	ug/L		1.0		SW8260B	07/24/12 01:28 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/24/12 01:28 / jk
Chloroform	ND	ug/L		1.0		SW8260B	07/24/12 01:28 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	07/24/12 01:28 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/24/12 01:28 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	07/24/12 01:28 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	07/24/12 01:28 / jk
Toluene	ND	ug/L		1.0		SW8260B	07/24/12 01:28 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/24/12 01:28 / jk
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC		80-120		SW8260B	07/24/12 01:28 / jk
Surr: Dibromofluoromethane	93.0	%REC		70-130		SW8260B	07/24/12 01:28 / jk
Surr: p-Bromofluorobenzene	83.0	%REC		80-120		SW8260B	07/24/12 01:28 / jk
Surr: Toluene-d8	95.0	%REC		80-120		SW8260B	07/24/12 01:28 / jk

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



ORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: Semi Annual Ground Water
Lab Sample ID: 1208066-001A
Client Sample ID: MW-37_07302012
Collection Date: 7/30/2012 1340h
Received Date: 8/3/2012 1100h

Contact: Jo Ann Tischler

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 8/6/2012 811h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

463 West 3600 South
Salt Lake City, UT 84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual		
Tetrahydrofuran	109-99-9	1.00	< 1.00			
Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	50.4	50.00	101	77-129	
Surr: Dibromofluoromethane	1868-53-7	50.2	50.00	100	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	52.2	50.00	104	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.6	50.00	103	72-151	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: Semi Annual Ground Water
Lab Sample ID: 1208066-001
Client Sample ID: MW-37_07302012
Collection Date: 7/30/2012 1340h
Received Date: 8/3/2012 1100h

Contact: Jo Ann Tischler

Analytical Results

DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		8/13/2012 1530h	E200.8	0.100	< 0.100	

This sample was not digested pursuant to the client request.

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Jose Rocha
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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 3rd Quarter Groundwater 2012
Lab ID: C12080143-003
Client Sample ID: MW-37_07302012

Report Date: 08/24/12
Collection Date: 07/30/12 13:40
Date Received: 08/03/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	08/06/12 16:55 / jba
Bicarbonate as HCO3	265	mg/L		1		A2320 B	08/06/12 16:55 / jba
Calcium	486	mg/L		0.5		E200.7	08/20/12 13:10 / sf
Chloride	51	mg/L	D	4		E300.0	08/08/12 21:29 / wc
Fluoride	0.22	mg/L		0.10		A4500-F C	08/06/12 13:30 / jba
Magnesium	133	mg/L		0.5		E200.7	08/20/12 13:10 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	08/08/12 12:12 / lr
Nitrogen, Nitrate+Nitrite as N	0.8	mg/L		0.1		E353.2	08/06/12 12:53 / lr
Potassium	15.1	mg/L		0.5		E200.7	08/20/12 13:10 / sf
Sodium	575	mg/L	D	2		E200.7	08/20/12 13:10 / sf
Sulfate	2700	mg/L	D	20		E300.0	08/08/12 21:29 / wc
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	4090	mg/L		10		A2540 C	08/06/12 13:31 / jz
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	08/20/12 15:27 / cp
Beryllium	ND	ug/L		0.50		E200.8	08/20/12 15:27 / cp
Cadmium	ND	ug/L		0.50		E200.8	08/20/12 15:27 / cp
Chromium	ND	ug/L		25		E200.8	08/20/12 15:27 / cp
Cobalt	ND	ug/L		10		E200.8	08/20/12 15:27 / cp
Copper	ND	ug/L		10		E200.8	08/20/12 15:27 / cp
Iron	ND	ug/L		30		E200.7	08/20/12 13:10 / sf
Lead	ND	ug/L		1.0		E200.8	08/20/12 15:27 / cp
Manganese	ND	ug/L		10		E200.8	08/20/12 15:27 / cp
Mercury	ND	ug/L		0.50		E200.8	08/20/12 15:27 / cp
Molybdenum	ND	ug/L		10		E200.8	08/20/12 15:27 / cp
Nickel	ND	ug/L		20		E200.8	08/20/12 15:27 / cp
Selenium	6.6	ug/L		5.0		E200.8	08/20/12 15:27 / cp
Silver	ND	ug/L		10		E200.8	08/20/12 15:27 / cp
Thallium	ND	ug/L		0.50		E200.8	08/20/12 15:27 / cp
Tin	ND	ug/L		100		E200.8	08/20/12 15:27 / cp
Uranium	12.4	ug/L		0.30		E200.8	08/20/12 15:27 / cp
Vanadium	ND	ug/L		15		E200.8	08/20/12 15:27 / cp
Zinc	28	ug/L		10		E200.8	08/20/12 15:27 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	2.9	pCi/L				E900.1	08/08/12 06:49 / lbb
Gross Alpha minus Rn & U Precision (±)	1.2	pCi/L				E900.1	08/08/12 06:49 / lbb
Gross Alpha minus Rn & U MDC	1.3	pCi/L				E900.1	08/08/12 06:49 / lbb

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.
 D - RL increased due to sample matrix.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 3rd Quarter Groundwater 2012
Lab ID: C12080143-003
Client Sample ID: MW-37_07302012

Report Date: 08/24/12
Collection Date: 07/30/12 13:40
Date Received: 08/03/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-1.17	%				A1030 E	08/23/12 07:34 / kbh
Anions	62.0	meq/L				A1030 E	08/23/12 07:34 / kbh
Cations	60.6	meq/L				A1030 E	08/23/12 07:34 / kbh
Solids, Total Dissolved Calculated	4100	mg/L				A1030 E	08/23/12 07:34 / kbh
TDS Balance (0.80 - 1.20)	1.00					A1030 E	08/23/12 07:34 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	08/08/12 01:46 / jk
Benzene	ND	ug/L		1.0		SW8260B	08/08/12 01:46 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	08/08/12 01:46 / jk
Chloroform	ND	ug/L		1.0		SW8260B	08/08/12 01:46 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	08/08/12 01:46 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	08/08/12 01:46 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	08/08/12 01:46 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	08/08/12 01:46 / jk
Toluene	ND	ug/L		1.0		SW8260B	08/08/12 01:46 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	08/08/12 01:46 / jk
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120		SW8260B	08/08/12 01:46 / jk
Surr: Dibromofluoromethane	102	%REC		70-130		SW8260B	08/08/12 01:46 / jk
Surr: p-Bromofluorobenzene	118	%REC		80-120		SW8260B	08/08/12 01:46 / jk
Surr: Toluene-d8	115	%REC		80-120		SW8260B	08/08/12 01:46 / jk

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



ORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-009A
Client Sample ID: MW-65_07112012
Collection Date: 7/11/2012 951h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 7/13/2012 1425h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

463 West 3600 South
Salt Lake City, UT 84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Tetrahydrofuran	109-99-9	1.00	< 1.00	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	50.6	50.00	101	77-129	
Surr: Dibromofluoromethane	1868-53-7	56.7	50.00	113	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	53.3	50.00	107	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	56.0	50.00	112	72-151	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-009
Client Sample ID: MW-65_07112012
Collection Date: 7/11/2012 0951h
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

DISSOLVED METALS

<u>Compound</u>	<u>Units</u>	<u>Date Prepared</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>	<u>Qual</u>
Tin	mg/L		7/21/2012 1839h	E200.8	0.100	< 0.100	^

^ - Reissue of a previously generated report. Information has been added, updated, or revised. Information herein supersedes that of the previously issued reports.

This sample was not digested pursuant to the client request.

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Jose Rocha
QA Officer



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-011
Client Sample ID: MW-65_07112012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/11/12 09:51
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO ₃	ND	mg/L		1		A2320 B	07/13/12 20:01 / jba
Bicarbonate as HCO ₃	390	mg/L		1		A2320 B	07/13/12 20:01 / jba
Calcium	463	mg/L		0.5		E200.7	07/18/12 15:42 / sf
Chloride	74	mg/L		1		A4500-Cl B	07/19/12 15:12 / wc
Fluoride	0.29	mg/L		0.10		A4500-F C	07/13/12 14:32 / jba
Magnesium	161	mg/L		0.5		E200.7	07/18/12 15:42 / sf
Nitrogen, Ammonia as N	0.22	mg/L		0.05		A4500-NH3 G	07/17/12 13:14 / lr
Nitrogen, Nitrate+Nitrite as N	2.1	mg/L		0.1		E353.2	07/16/12 12:15 / lr
Potassium	10.4	mg/L		0.5		E200.7	07/18/12 15:42 / sf
Sodium	201	mg/L		0.5		E200.7	07/18/12 15:42 / sf
Sulfate	1730	mg/L	D	50		A4500-SO4 E	07/20/12 13:29 / ab
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3130	mg/L		10		A2540 C	07/13/12 15:53 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	08/01/12 16:47 / cp
Beryllium	ND	ug/L		0.50		E200.8	08/01/12 16:47 / cp
Cadmium	ND	ug/L		0.50		E200.8	08/01/12 16:47 / cp
Chromium	ND	ug/L		25		E200.8	08/01/12 16:47 / cp
Cobalt	ND	ug/L		10		E200.8	08/01/12 16:47 / cp
Copper	ND	ug/L		10		E200.8	08/01/12 16:47 / cp
Iron	793	ug/L		30		E200.7	07/18/12 15:42 / sf
Lead	ND	ug/L		1.0		E200.8	08/01/12 16:47 / cp
Manganese	1200	ug/L		10		E200.8	08/01/12 16:47 / cp
Mercury	ND	ug/L		0.50		E200.8	08/01/12 16:47 / cp
Molybdenum	ND	ug/L		10		E200.8	08/01/12 16:47 / cp
Nickel	ND	ug/L		20		E200.8	08/01/12 16:47 / cp
Selenium	5.1	ug/L		5.0		E200.8	08/01/12 16:47 / cp
Silver	ND	ug/L		10		E200.8	08/01/12 16:47 / cp
Thallium	ND	ug/L		0.50		E200.8	08/01/12 16:47 / cp
Uranium	30.2	ug/L		0.30		E200.8	08/01/12 16:47 / cp
Vanadium	ND	ug/L		15		E200.8	08/01/12 16:47 / cp
Zinc	ND	ug/L		10		E200.8	08/01/12 16:47 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	2.0	pCi/L				E900.1	08/09/12 00:07 / lbb
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	08/09/12 00:07 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	08/09/12 00:07 / lbb

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.
 D - RL increased due to sample matrix.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-011
Client Sample ID: MW-65_07112012

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/11/12 09:51
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	0.791	%				A1030 E	08/08/12 16:04 / sdw
Anions	44.6	meq/L				A1030 E	08/08/12 16:04 / sdw
Cations	45.3	meq/L				A1030 E	08/08/12 16:04 / sdw
Solids, Total Dissolved Calculated	2800	mg/L				A1030 E	08/08/12 16:04 / sdw
TDS Balance (0.80 - 1.20)	1.10					A1030 E	08/08/12 16:04 / sdw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 3rd Quarter Groundwater 2012
Lab ID: C12080830-002
Client Sample ID: MW-65_08162012

Report Date: 08/30/12
Collection Date: 08/16/12 06:40
Date Received: 08/17/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	08/22/12 20:14 / jk
Benzene	ND	ug/L		1.0		SW8260B	08/22/12 20:14 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	08/22/12 20:14 / jk
Chloroform	960	ug/L	D	25		SW8260B	08/29/12 06:08 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	08/22/12 20:14 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	08/22/12 20:14 / jk
Methylene chloride	5.2	ug/L		1.0		SW8260B	08/22/12 20:14 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	08/22/12 20:14 / jk
Toluene	ND	ug/L		1.0		SW8260B	08/22/12 20:14 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	08/22/12 20:14 / jk
Surr: 1,2-Dichlorobenzene-d4	88.0	%REC		80-120		SW8260B	08/22/12 20:14 / jk
Surr: Dibromofluoromethane	92.0	%REC		70-130		SW8260B	08/22/12 20:14 / jk
Surr: p-Bromofluorobenzene	86.0	%REC		80-120		SW8260B	08/22/12 20:14 / jk
Surr: Toluene-d8	96.0	%REC		80-120		SW8260B	08/22/12 20:14 / jk

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070741-009
Client Sample ID: MW-70_07182012

Report Date: 08/14/12
Collection Date: 07/18/12 09:55
Date Received: 07/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Fluoride	1.02	mg/L		0.10		A4500-F C	07/23/12 12:34 / jba
METALS - DISSOLVED							
Selenium	48.6	ug/L		5.0		E200.8	08/05/12 10:41 / cp

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



ORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Sample ID: 1207185-010A
Client Sample ID: Trip Blank
Collection Date: 7/9/2012
Received Date: 7/12/2012 1345h

Contact: Jo Ann Tischler

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 7/13/2012 1444h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

463 West 3600 South
Salt Lake City, UT 84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Tetrahydrofuran	109-99-9	1.00	< 1.00	

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

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	51.3	50.00	103	77-129	
Surr: Dibromofluoromethane	1868-53-7	55.4	50.00	111	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	55.4	50.00	111	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	56.1	50.00	112	72-151	

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



ORGANIC ANALYTICAL REPORT

Client: Denison Mines
Project: Semi Annual Ground Water
Lab Sample ID: 1208066-002A
Client Sample ID: Trip Blank
Collection Date: 7/30/2012
Received Date: 8/3/2012 1100h

Contact: Jo Ann Tischler

Analytical Results

VOAs by GC/MS Method 8260C/5030C

Analyzed: 8/6/2012 849h

Units: µg/L

Dilution Factor: 1

Method: SW8260C

463 West 3600 South
Salt Lake City, UT 84115

Compound	CAS Number	Reporting Limit	Analytical Result	Qual		
Tetrahydrofuran	109-99-9	1.00	< 1.00			
Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	51.1	50.00	102	77-129	
Surr: Dibromofluoromethane	1868-53-7	50.5	50.00	101	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	52.9	50.00	106	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.9	50.00	104	72-151	

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-012
Client Sample ID: Trip Blank 6706

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/09/12
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/19/12 16:16 / jk
Benzene	ND	ug/L		1.0		SW8260B	07/19/12 16:16 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/19/12 16:16 / jk
Chloroform	ND	ug/L		1.0		SW8260B	07/19/12 16:16 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	07/19/12 16:16 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/19/12 16:16 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	07/19/12 16:16 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	07/19/12 16:16 / jk
Toluene	ND	ug/L		1.0		SW8260B	07/19/12 16:16 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/19/12 16:16 / jk
Surr: 1,2-Dichlorobenzene-d4	95.0	%REC		80-120		SW8260B	07/19/12 16:16 / jk
Surr: Dibromofluoromethane	89.0	%REC		70-130		SW8260B	07/19/12 16:16 / jk
Surr: p-Bromofluorobenzene	78.0	%REC	S	80-120		SW8260B	07/19/12 16:16 / jk
Surr: Toluene-d8	95.0	%REC		80-120		SW8260B	07/19/12 16:16 / jk

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.
QCL - Quality control limit. ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 3rd Quarter Groundwater 2012
Lab ID: C12080143-004
Client Sample ID: Trip Blank

Report Date: 08/24/12
Collection Date: 07/30/12
Date Received: 08/03/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	08/07/12 18:46 / jk
Benzene	ND	ug/L		1.0		SW8260B	08/07/12 18:46 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	08/07/12 18:46 / jk
Chloroform	ND	ug/L		1.0		SW8260B	08/07/12 18:46 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	08/07/12 18:46 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	08/07/12 18:46 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	08/07/12 18:46 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	08/07/12 18:46 / jk
Toluene	ND	ug/L		1.0		SW8260B	08/07/12 18:46 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	08/07/12 18:46 / jk
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120		SW8260B	08/07/12 18:46 / jk
Surr: Dibromofluoromethane	109	%REC		70-130		SW8260B	08/07/12 18:46 / jk
Surr: p-Bromofluorobenzene	119	%REC		80-120		SW8260B	08/07/12 18:46 / jk
Surr: Toluene-d8	115	%REC		80-120		SW8260B	08/07/12 18:46 / jk

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 3rd Quarter Groundwater 2012
Lab ID: C12080830-003
Client Sample ID: Trip Blank 6706

Report Date: 08/30/12
Collection Date: 08/16/12
Date Received: 08/17/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	08/27/12 16:45 / jk
Benzene	ND	ug/L		1.0		SW8260B	08/27/12 16:45 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	08/27/12 16:45 / jk
Chloroform	ND	ug/L		1.0		SW8260B	08/27/12 16:45 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	08/27/12 16:45 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	08/27/12 16:45 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	08/27/12 16:45 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	08/27/12 16:45 / jk
Toluene	ND	ug/L		1.0		SW8260B	08/27/12 16:45 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	08/27/12 16:45 / jk
Surr: 1,2-Dichlorobenzene-d4	90.0	%REC		80-120		SW8260B	08/27/12 16:45 / jk
Surr: Dibromofluoromethane	93.0	%REC		70-130		SW8260B	08/27/12 16:45 / jk
Surr: p-Bromofluorobenzene	84.0	%REC		80-120		SW8260B	08/27/12 16:45 / jk
Surr: Toluene-d8	102	%REC		80-120		SW8260B	08/27/12 16:45 / jk

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070741-014
Client Sample ID: Temp Blank

Report Date: 08/14/12
Collection Date: 07/19/12
Date Received: 07/20/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	1.6	°C				E170.1	07/20/12 09:55 / kbh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Lab ID: C12070448-013
Client Sample ID: Temp Blank

Revised Date: 08/10/12
Report Date: 08/09/12
Collection Date: 07/12/12
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	2.0	°C				E170.1	07/13/12 10:30 / kbh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 3rd Quarter Groundwater 2012
Lab ID: C12080143-005
Client Sample ID: Temp Blank

Report Date: 08/24/12
Collection Date: 08/02/12
Date Received: 08/03/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	4.0	°C				E170.1	08/03/12 09:50 / kbh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



Jo Ann Tischler
Denison Mines
1050 17th Street, # 950
Denver, CO 80265
TEL: (303) 389-4132

RE: 3rd Quarter Ground Water 2012

Dear Jo Ann Tischler:

Lab Set ID: 1207185

463 West 3600 South
Salt Lake City, UT 84115

American West Analytical Laboratories received 10 sample(s) on 7/12/2012 for the analyses presented in the following report.

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

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Association Conference (NELAC) Institute in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri. In addition, AWAL is also accredited by the American Analytical Laboratory Association (A2LA) on ISO IEC 17025:2005, Department of Defense (DOD), UST for the State of Wyoming, and the National Lead Laboratory Accreditation Program (NLLAP). All analyses were performed in accordance to The NELAC Institute and/or A2LA protocols unless noted otherwise. Accreditation documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

This is a revision to a report originally issued 7/23/2012. Pages 1 and 5-13 have been revised.

Thank You,

**Kyle F.
Gross**

Digitally signed by Kyle F. Gross
DN: cn=Kyle F. Gross, o=AWAL,
ou=AWAL-Laboratory Director,
email=kyle@awal-labs.com, c=US
Date: 2012.08.28 14:34:27 -06'00'

Approved by: _____

Laboratory Director or designee



SAMPLE SUMMARY

Client: Denison Mines
Project: 3rd Quarter Ground Water 2012
Lab Set ID: 1207185
Date Received: 7/12/2012 1345h

Contact: Jo Ann Tischler

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
 Laboratory Director

Jose Rocha
 QA Officer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1207185-001A	MW-11_07112012	7/11/2012 1210h	Aqueous	VOA by GC/MS Method 8260C/5030C
1207185-001B	MW-11_07112012	7/11/2012 1210h	Aqueous	ICPMS Metals, Dissolved
1207185-002A	MW-14_07112012	7/11/2012 1235h	Aqueous	VOA by GC/MS Method 8260C/5030C
1207185-002B	MW-14_07112012	7/11/2012 1235h	Aqueous	ICPMS Metals, Dissolved
1207185-003A	MW-25_07102012	7/10/2012 1220h	Aqueous	VOA by GC/MS Method 8260C/5030C
1207185-003B	MW-25_07102012	7/10/2012 1220h	Aqueous	ICPMS Metals, Dissolved
1207185-004A	MW-26_07112012	7/11/2012 951h	Aqueous	VOA by GC/MS Method 8260C/5030C
1207185-004B	MW-26_07112012	7/11/2012 951h	Aqueous	ICPMS Metals, Dissolved
1207185-005A	MW-30_07102012	7/10/2012 1100h	Aqueous	VOA by GC/MS Method 8260C/5030C
1207185-005B	MW-30_07102012	7/10/2012 1100h	Aqueous	ICPMS Metals, Dissolved
1207185-006A	MW-31_07092012	7/9/2012 1335h	Aqueous	VOA by GC/MS Method 8260C/5030C
1207185-006B	MW-31_07092012	7/9/2012 1335h	Aqueous	ICPMS Metals, Dissolved
1207185-007A	MW-35_07102012	7/10/2012 1410h	Aqueous	VOA by GC/MS Method 8260C/5030C
1207185-007B	MW-35_07102012	7/10/2012 1410h	Aqueous	ICPMS Metals, Dissolved
1207185-008A	MW-36_07112012	7/11/2012 915h	Aqueous	VOA by GC/MS Method 8260C/5030C
1207185-008B	MW-36_07112012	7/11/2012 915h	Aqueous	ICPMS Metals, Dissolved
1207185-009A	MW-65_07112012	7/11/2012 951h	Aqueous	VOA by GC/MS Method 8260C/5030C
1207185-009B	MW-65_07112012	7/11/2012 951h	Aqueous	ICPMS Metals, Dissolved
1207185-010A	Trip Blank	7/9/2012	Aqueous	VOA by GC/MS Method 8260C/5030C



Inorganic Case Narrative

Client: Denison Mines
Contact: Jo Ann Tischler
Project: 3rd Quarter Ground Water 2012
Lab Set ID: 1207185

463 West 3600 South
Salt Lake City, UT 84115

Sample Receipt Information:

Date of Receipt: 7/12/2012
Date of Collection: 7/9, 7/10 & 7/11/2012
Sample Condition: Intact
C-O-C Discrepancies: None

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

Holding Time and Preservation Requirements: The analysis of all samples was performed within the method holding times. All samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports. The samples were not digested pursuant to the client request.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Kyle F. Gross
Laboratory Director

Corrective Action: None required.

Jose Rocha
QA Officer



Volatile Case Narrative

Client: Denison Mines
Contact: Jo Ann Tischler
Project: 3rd Quarter Ground Water 2012
Lab Set ID: 1207185

Sample Receipt Information:

Date of Receipt: 7/12/2012
Date(s) of Collection: 7/9, 7/10 & 7/11/2012
Sample Condition: Intact
C-O-C Discrepancies: None
Method: SW-846 8260C/5030C
Analysis: Tetrahydrofuran

General Set Comments: Tetrahydrofuran was not observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



463 West 3600 South
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1207185
Project: 3rd Quarter Ground Water 2012

Contact: Jo Ann Tischler
Dept: MSVOA
QC Type: LCS

Sample ID	Analyte	Units	Method	Result	Amount Spiked	Original Amount	%REC	Limits	%RPD	RPD Limit	Qual	Date Analyzed
LCS VOC 071312	Tetrahydrofuran	µg/L	SW8260C	17.8	20.00	0	88.8	43-146				7/13/2012 725h
LCS VOC 071312	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	55.2	50.00		110	76-138				7/13/2012 725h
LCS VOC 071312	Surr: 4-Bromofluorobenzene	%REC	SW8260C	50.1	50.00		100	77-121				7/13/2012 725h
LCS VOC 071312	Surr: Dibromofluoromethane	%REC	SW8260C	55.0	50.00		110	67-128				7/13/2012 725h
LCS VOC 071312	Surr: Toluene-d8	%REC	SW8260C	49.4	50.00		98.9	81-135				7/13/2012 725h



463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686, Toll Free: (888) 263-8686, Fax: (801) 263-8687

e-mail: awal@awal-labs.com, web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1207185
Project: 3rd Quarter Ground Water 2012

Contact: Jo Ann Tischler
Dept: MSVOA
QC Type: MBLK

Sample ID	Analyte	Units	Method	Result	Amount Spiked	Original Amount	%REC	Limits	%RPD	RPD Limit	Qual	Date Analyzed
MB VOC 071312A	Tetrahydrofuran	µg/L	SW8260C	< 1.00				-				7/13/2012 803h
MB VOC 071312A	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	54.8	50.00		110	76-138				7/13/2012 803h
MB VOC 071312A	Surr: 4-Bromofluorobenzene	%REC	SW8260C	54.6	50.00		109	77-121				7/13/2012 803h
MB VOC 071312A	Surr: Dibromofluoromethane	%REC	SW8260C	54.6	50.00		109	67-128				7/13/2012 803h
MB VOC 071312A	Surr: Toluene-d8	%REC	SW8260C	51.0	50.00		102	81-135				7/13/2012 803h



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1207185
Project: 3rd Quarter Ground Water 2012

Contact: Jo Ann Tischler
Dept: MSVOA
QC Type: MS

Sample ID	Analyte	Units	Method	Result	Amount Spiked	Original Amount	%REC	Limits	%RPD	RPD Limit	Qual	Date Analyzed
1207185-001AMS	Tetrahydrofuran	µg/L	SW8260C	19.3	20.00	0	96.3	43-146				7/13/2012 957h
1207185-001AMS	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	55.9	50.00		112	72-151				7/13/2012 957h
1207185-001AMS	Surr: 4-Bromofluorobenzene	%REC	SW8260C	51.3	50.00		103	80-128				7/13/2012 957h
1207185-001AMS	Surr: Dibromofluoromethane	%REC	SW8260C	54.7	50.00		109	80-124				7/13/2012 957h
1207185-001AMS	Surr: Toluene-d8	%REC	SW8260C	49.6	50.00		99.3	77-129				7/13/2012 957h



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

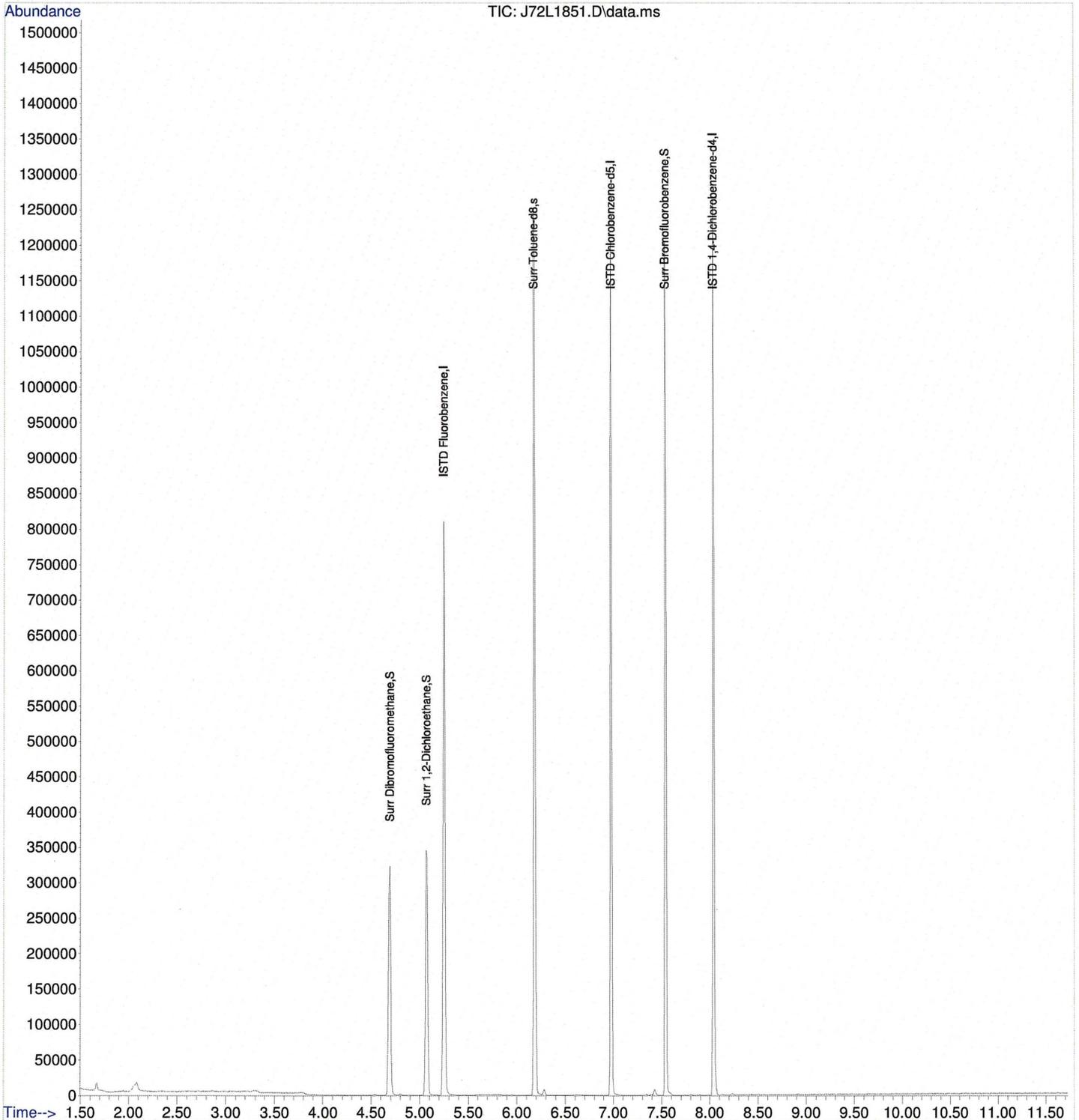
Client: Denison Mines
Lab Set ID: 1207185
Project: 3rd Quarter Ground Water 2012

Contact: Jo Ann Tischler
Dept: MSVOA
QC Type: MSD

Sample ID	Analyte	Units	Method	Result	Amount Spiked	Original Amount	%REC	Limits	%RPD	RPD Limit	Qual	Date Analyzed
1207185-001AMSD	Tetrahydrofuran	µg/L	SW8260C	17.0	20.00	0	85.0	43-146	12.5	25		7/13/2012 1017h
1207185-001AMSD	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	55.1	50.00		110	72-151				7/13/2012 1017h
1207185-001AMSD	Surr: 4-Bromofluorobenzene	%REC	SW8260C	50.4	50.00		101	80-128				7/13/2012 1017h
1207185-001AMSD	Surr: Dibromofluoromethane	%REC	SW8260C	54.1	50.00		108	80-124				7/13/2012 1017h
1207185-001AMSD	Surr: Toluene-d8	%REC	SW8260C	49.2	50.00		98.4	77-129				7/13/2012 1017h

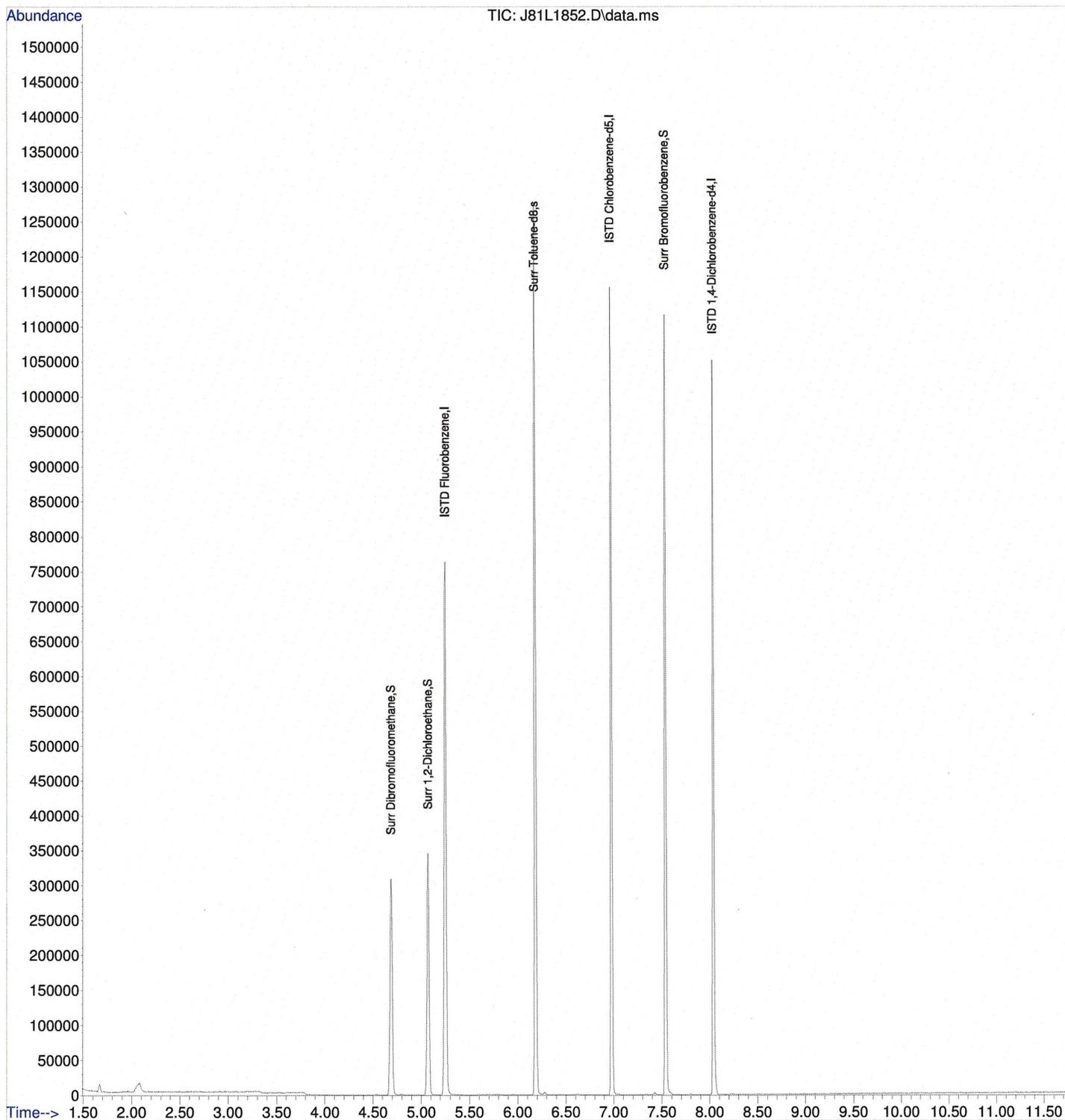
Data Path : C:\msdchem\1\DATA\JUL12-C\13JUL12\
Data File : J72L1851.D
Acq On : 13 Jul 2012 8:41 am
Operator :
Sample : 1207185-001A
Misc : SAMP 5.0ML SB
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 13 08:54:32 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_59.M
Quant Title : VOA Calibration
QLast Update : Wed Jun 27 10:22:19 2012
Response via : Initial Calibration



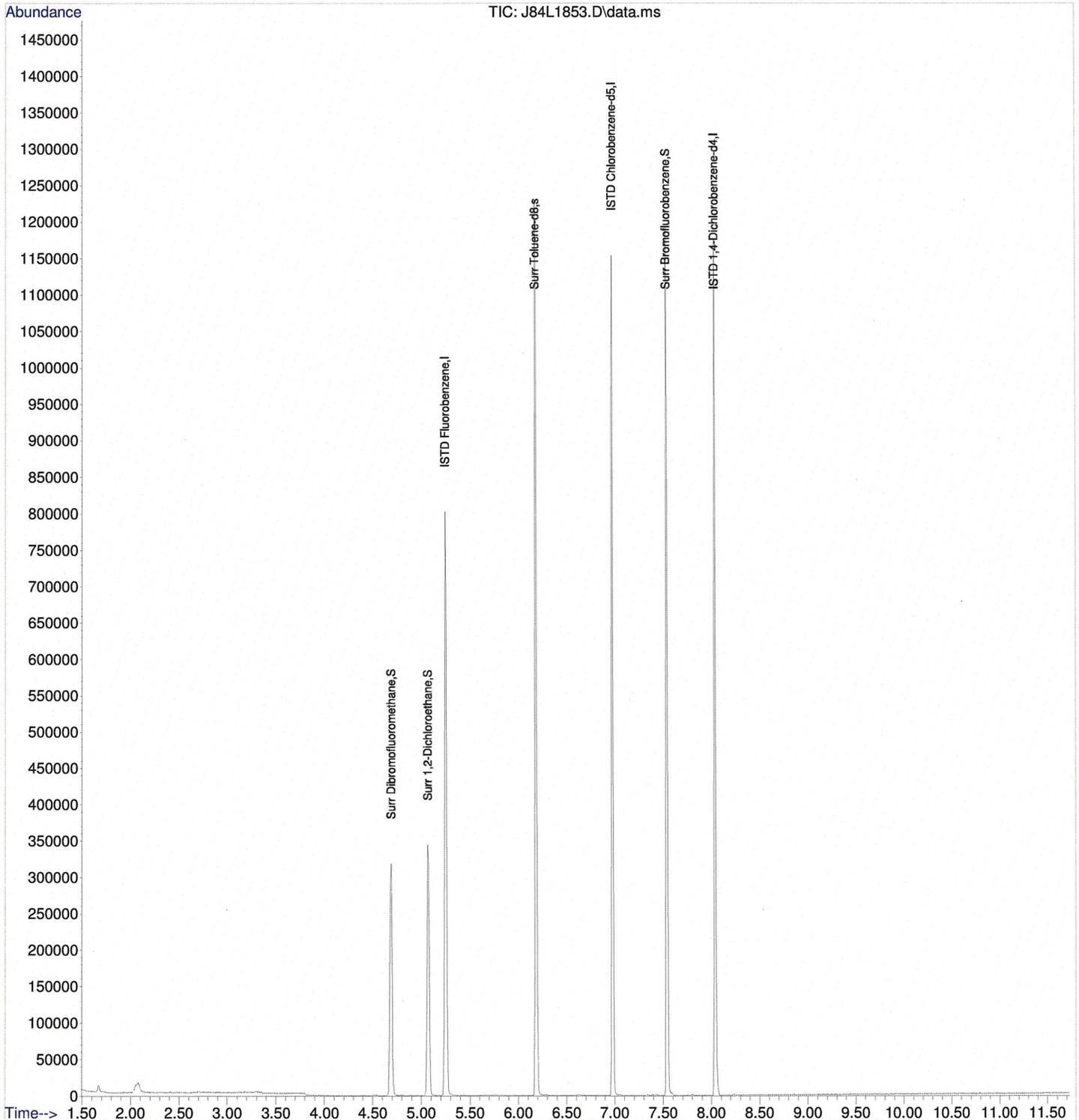
Data Path : C:\msdchem\1\DATA\JUL12-C\13JUL12\
 Data File : J81L1852.D
 Acq On : 13 Jul 2012 11:33 am
 Operator :
 Sample : 1207185-002A
 Misc : SAMP 5.0ML SB
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 13 13:08:10 2012
 Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_59.M
 Quant Title : VOA Calibration
 QLast Update : Wed Jun 27 10:22:19 2012
 Response via : Initial Calibration



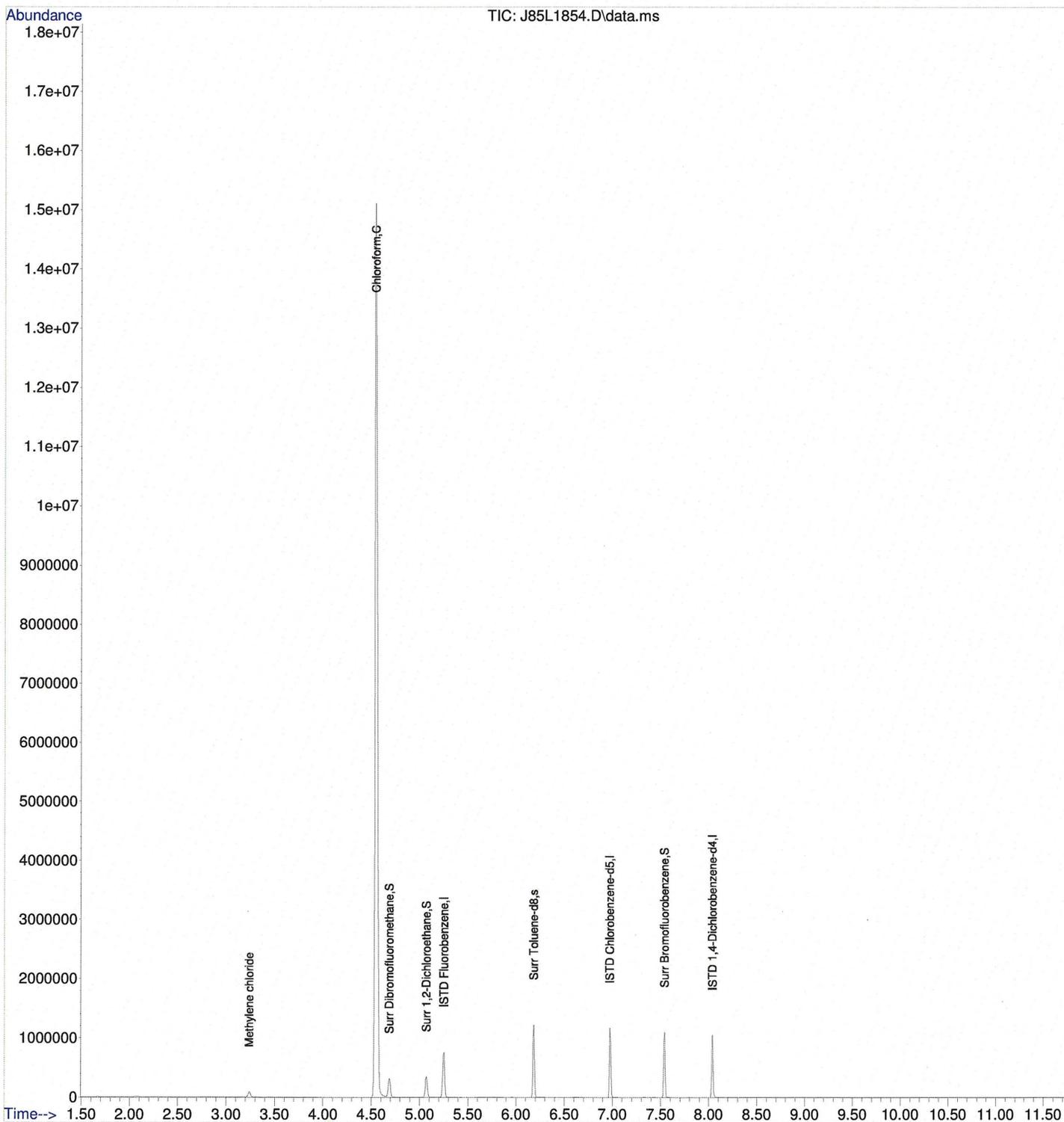
Data Path : C:\msdchem\1\DATA\JUL12-C\13JUL12\
Data File : J84L1853.D
Acq On : 13 Jul 2012 12:30 pm
Operator :
Sample : 1207185-003A
Misc : SAMP 5.0ML SB
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 13 13:11:01 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_59.M
Quant Title : VOA Calibration
QLast Update : Wed Jun 27 10:22:19 2012
Response via : Initial Calibration



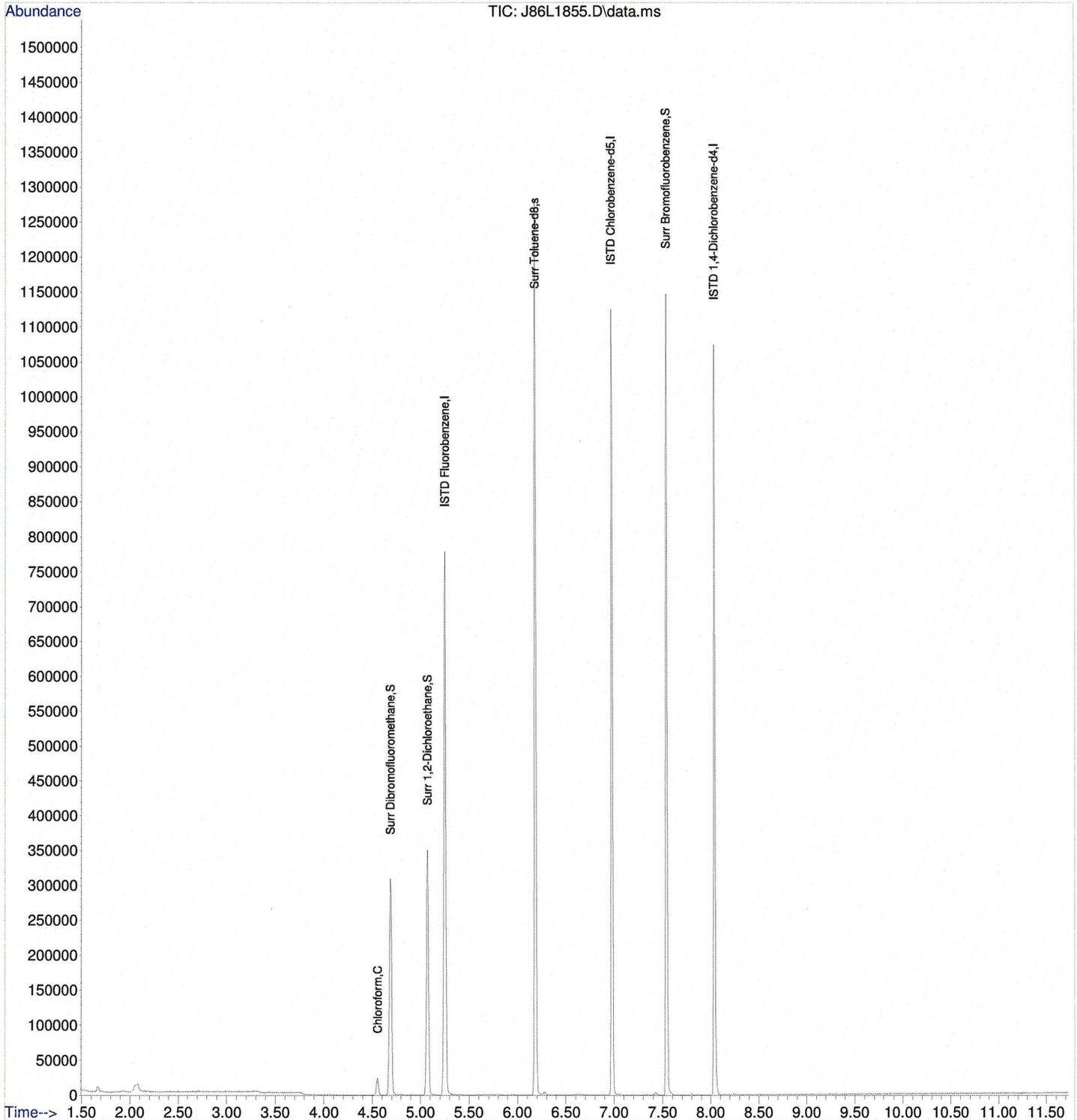
Data Path : C:\msdchem\1\DATA\JUL12-C\13JUL12\
 Data File : J85L1854.D
 Acq On : 13 Jul 2012 12:49 pm
 Operator :
 Sample : 1207185-004A
 Misc : SAMP 5.0ML SB
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 13 13:16:09 2012
 Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_59.M
 Quant Title : VOA Calibration
 QLast Update : Wed Jun 27 10:22:19 2012
 Response via : Initial Calibration



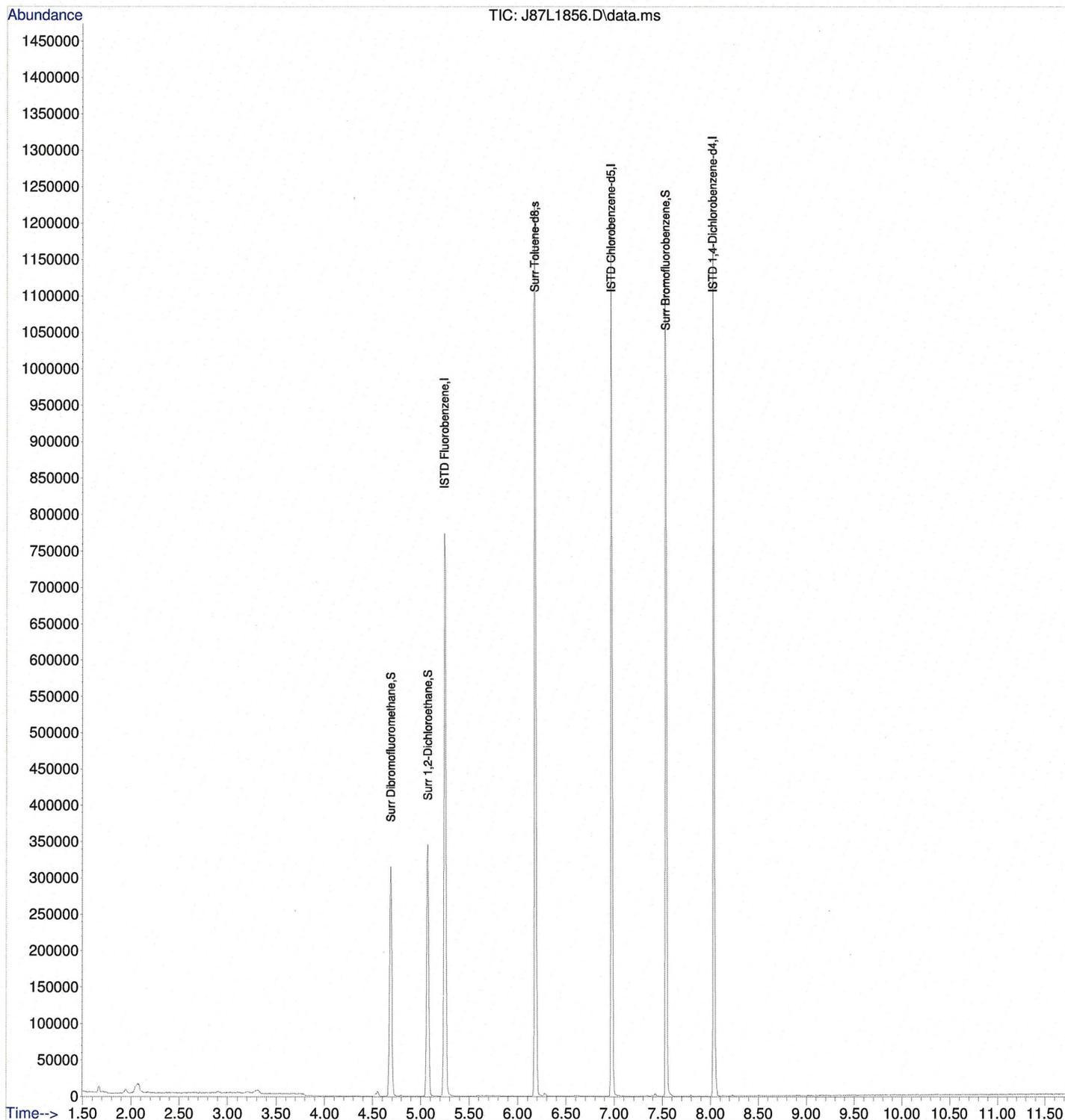
Data Path : C:\msdchem\1\DATA\JUL12-C\13JUL12\
Data File : J86L1855.D
Acq On : 13 Jul 2012 1:08 pm
Operator :
Sample : 1207185-005A
Misc : SAMP 5.0ML SB
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jul 13 13:22:53 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_59.M
Quant Title : VOA Calibration
QLast Update : Wed Jun 27 10:22:19 2012
Response via : Initial Calibration



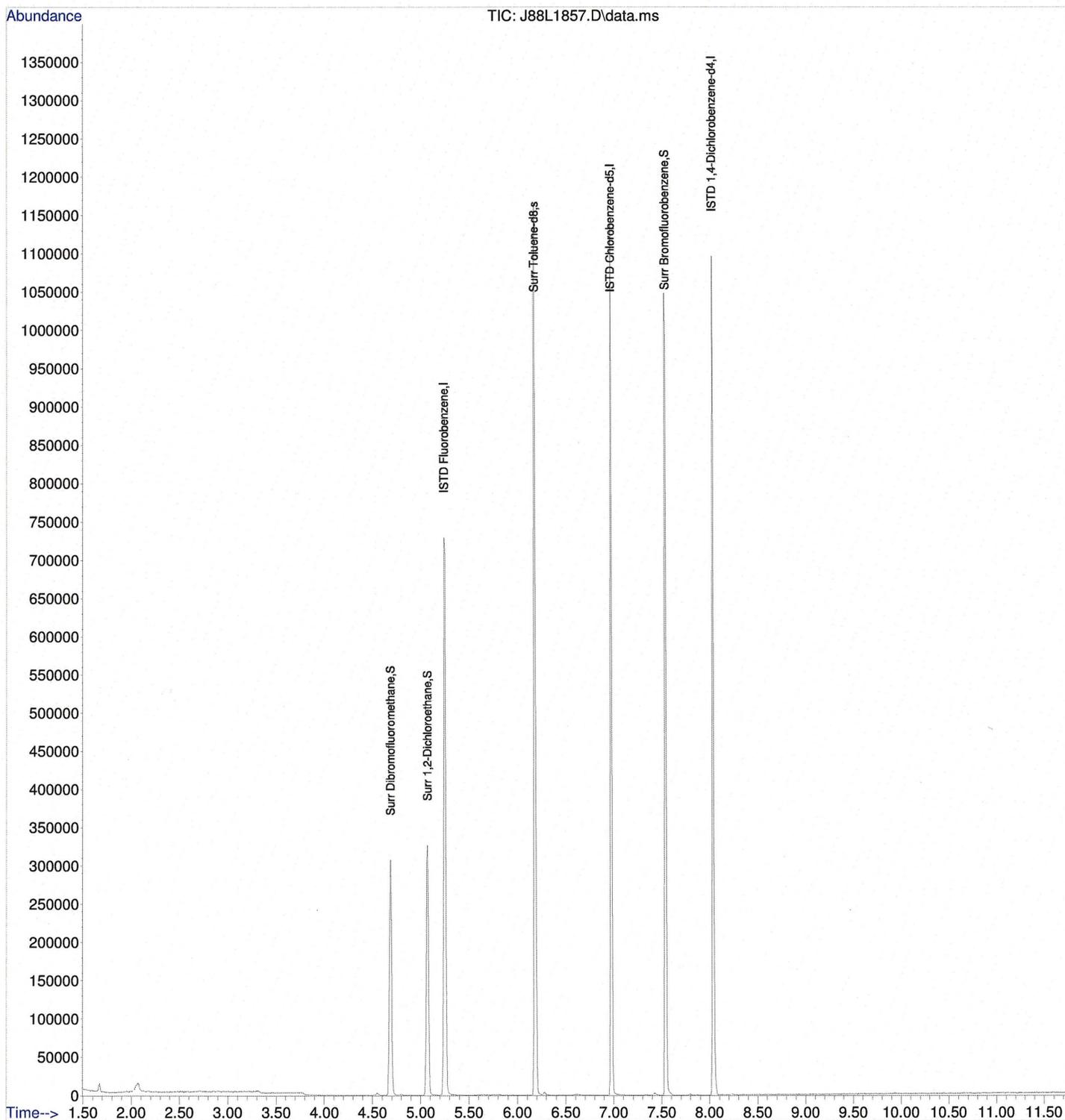
Data Path : C:\msdchem\1\DATA\JUL12-C\13JUL12\
 Data File : J87L1856.D
 Acq On : 13 Jul 2012 1:27 pm
 Operator :
 Sample : 1207185-006A
 Misc : SAMP 5.0ML SB
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jul 16 07:09:38 2012
 Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_59.M
 Quant Title : VOA Calibration
 QLast Update : Wed Jun 27 10:22:19 2012
 Response via : Initial Calibration



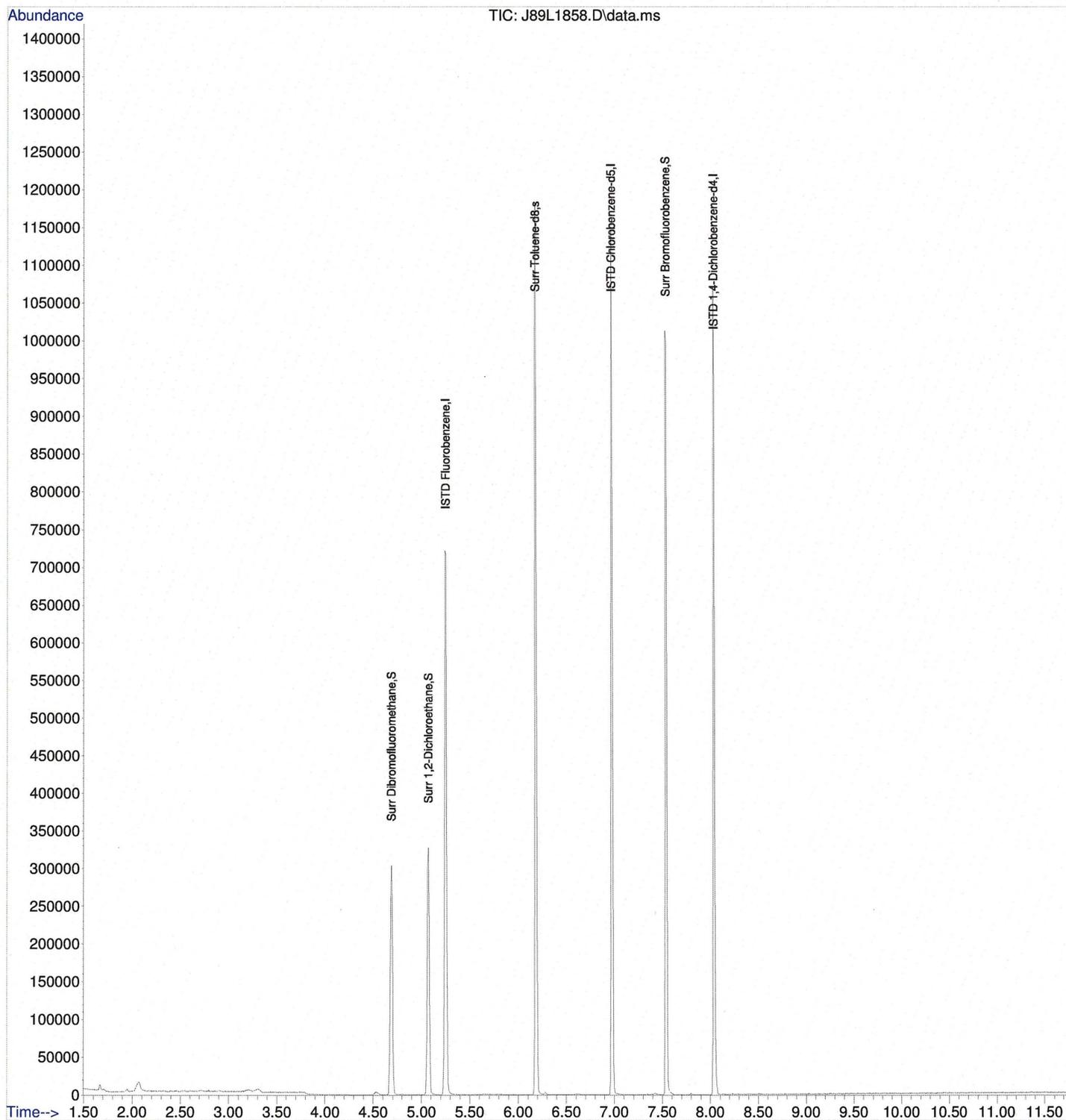
Data Path : C:\msdchem\1\DATA\JUL12-C\13JUL12\
 Data File : J88L1857.D
 Acq On : 13 Jul 2012 1:46 pm
 Operator :
 Sample : 1207185-007A
 Misc : SAMP 5.0ML SB
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jul 16 07:10:42 2012
 Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_59.M
 Quant Title : VOA Calibration
 QLast Update : Wed Jun 27 10:22:19 2012
 Response via : Initial Calibration



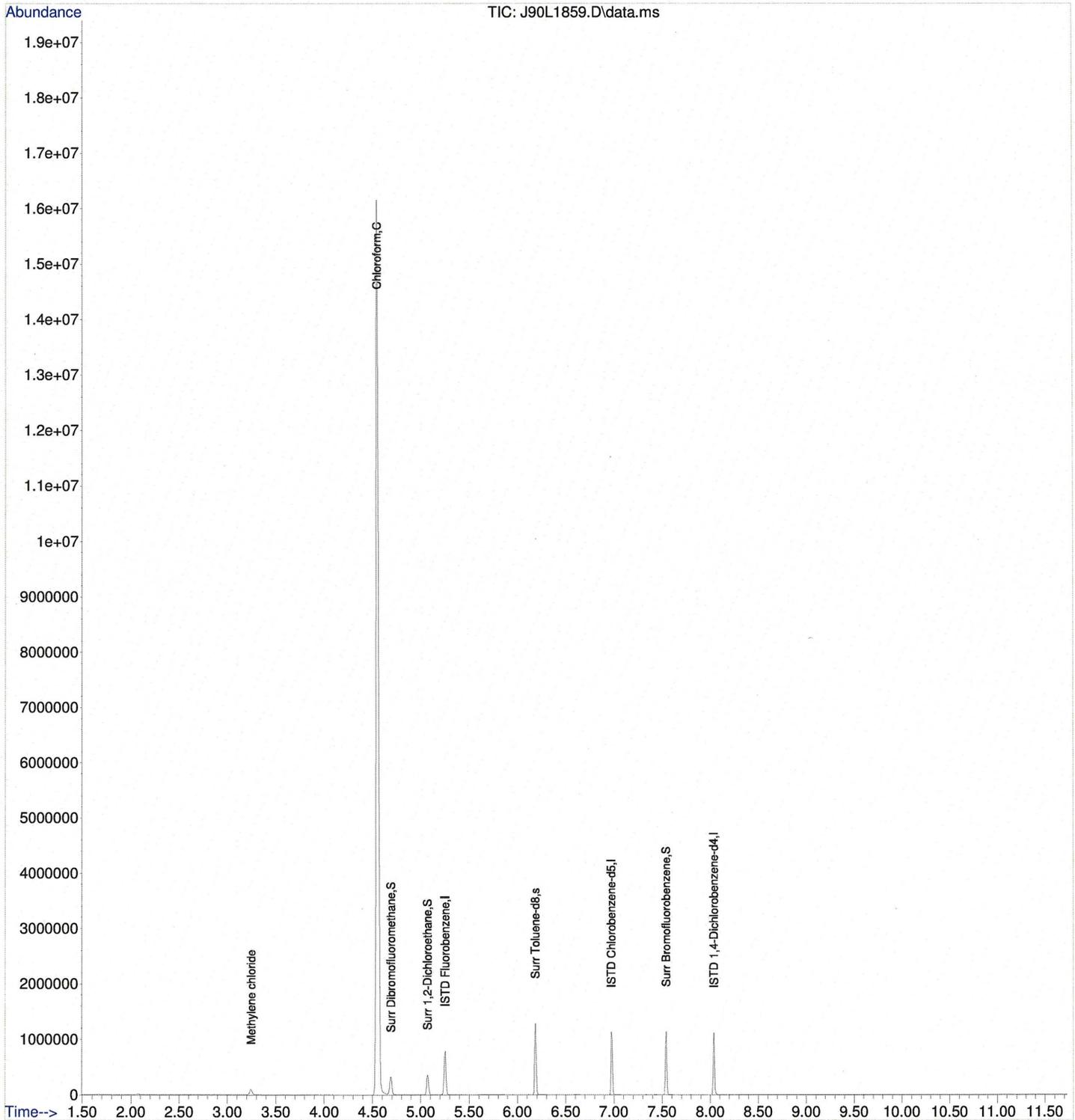
Data Path : C:\msdchem\1\DATA\JUL12-C\13JUL12\
 Data File : J89L1858.D
 Acq On : 13 Jul 2012 2:06 pm
 Operator :
 Sample : 1207185-008A
 Misc : SAMP 5.0ML SB
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 16 07:11:32 2012
 Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_59.M
 Quant Title : VOA Calibration
 QLast Update : Wed Jun 27 10:22:19 2012
 Response via : Initial Calibration



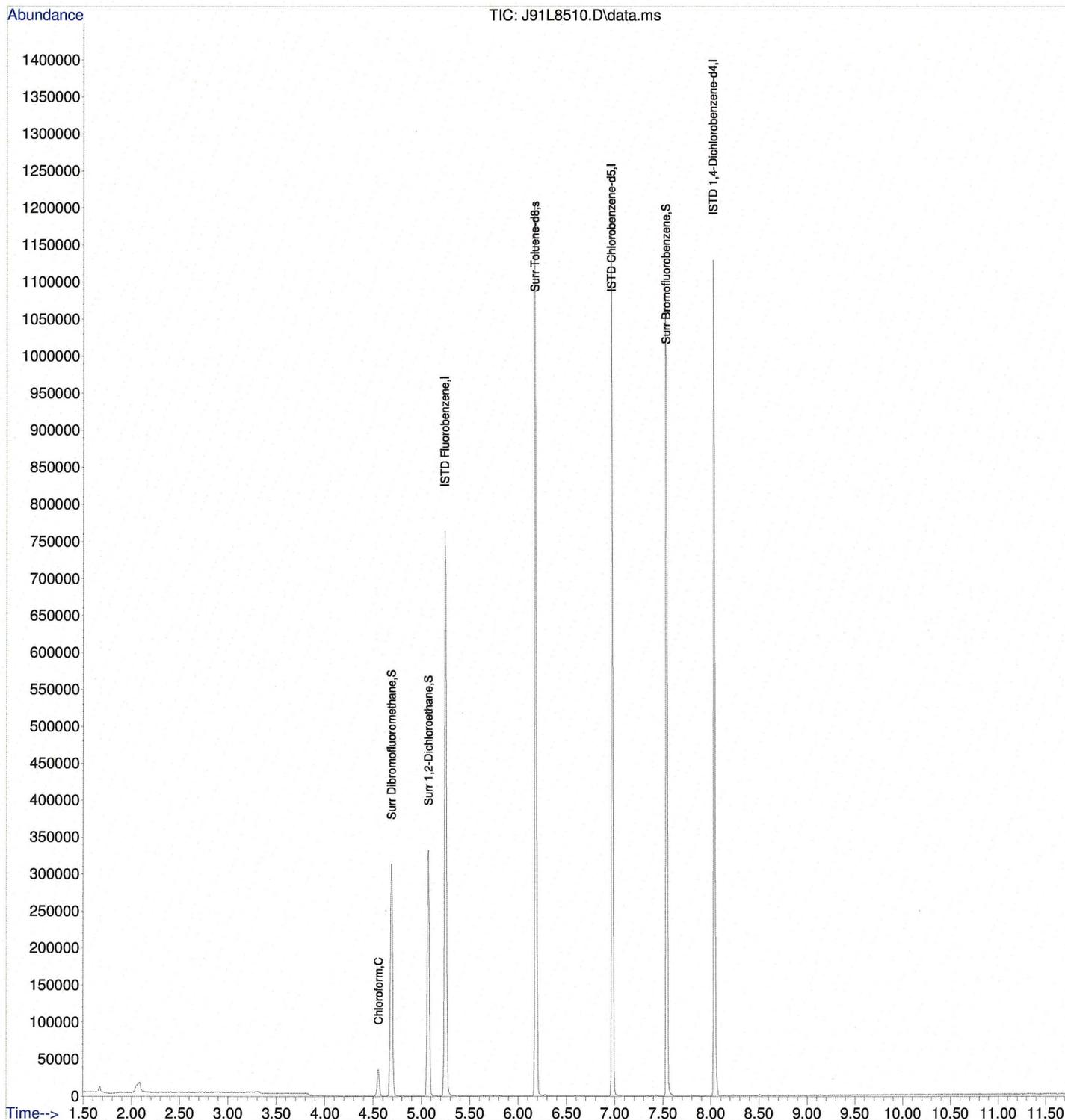
Data Path : C:\msdchem\1\DATA\JUL12-C\13JUL12\
Data File : J90L1859.D
Acq On : 13 Jul 2012 2:25 pm
Operator :
Sample : 1207185-009A
Misc : SAMP 5.0ML SB
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jul 16 07:12:46 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_59.M
Quant Title : VOA Calibration
QLast Update : Wed Jun 27 10:22:19 2012
Response via : Initial Calibration



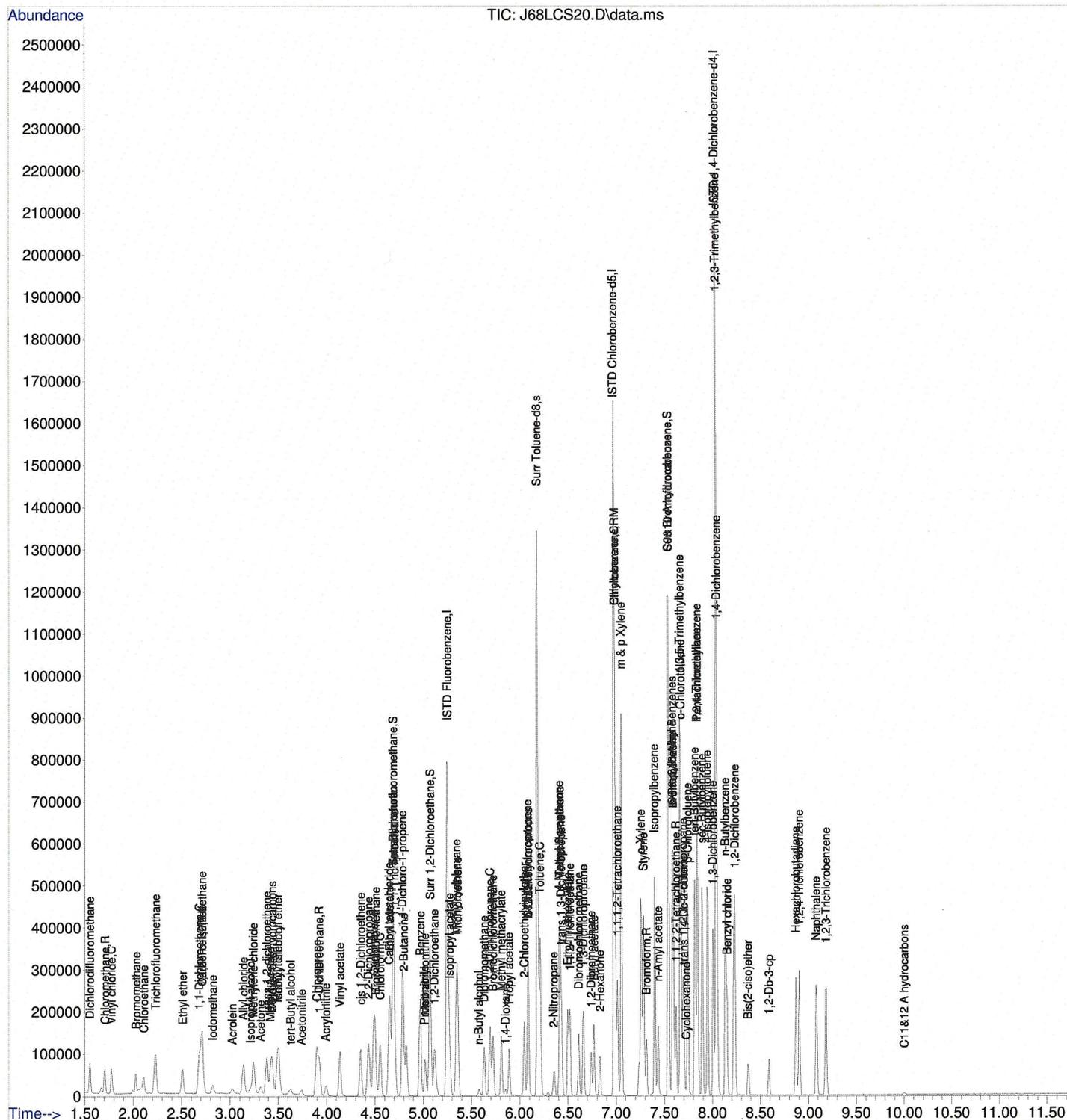
Data Path : C:\msdchem\1\DATA\JUL12-C\13JUL12\
 Data File : J91L8510.D
 Acq On : 13 Jul 2012 2:44 pm
 Operator :
 Sample : 1207185-010A
 Misc : SAMP 5.0ML SB
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jul 16 07:13:41 2012
 Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_59.M
 Quant Title : VOA Calibration
 QLast Update : Wed Jun 27 10:22:19 2012
 Response via : Initial Calibration



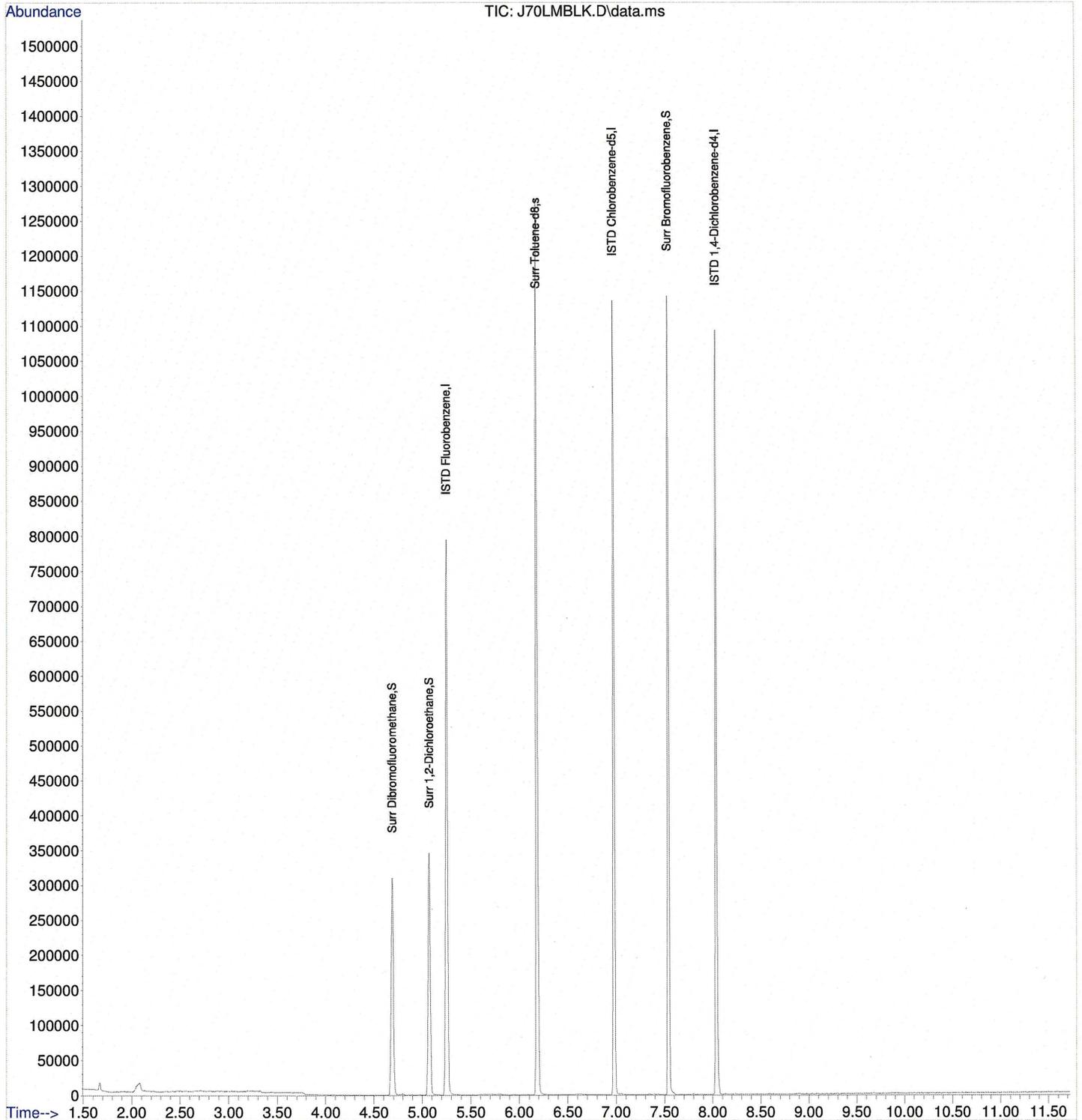
Data Path : C:\msdchem\1\DATA\JUL12-C\13JUL12\
 Data File : J68LCS20.D
 Acq On : 13 Jul 2012 7:25 am
 Operator :
 Sample : LCS VOC 071312A
 Misc : LCS SEE COVERSHEET FOR ID AND AMOUNT JO
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 13 07:37:18 2012
 Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_59.M
 Quant Title : VOA Calibration
 QLast Update : Wed Jun 27 10:22:19 2012
 Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\JUL12-C\13JUL12\
Data File : J70LMBLK.D
Acq On : 13 Jul 2012 8:03 am
Operator :
Sample : MB VOC 071312A
Misc : MBLK 5.0ML JO
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 13 08:21:12 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_59.M
Quant Title : VOA Calibration
QLast Update : Wed Jun 27 10:22:19 2012
Response via : Initial Calibration



American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1207185**

Client: Denison Mines

Page 1 of 1 7/13/2012

Client ID: DEN100

Contact: Jo Ann Tischler

Project: 3rd Quarter Ground Water 2012

QC Level: LEVEL III

WO Type: Project

Comments: PA Rush. QC 3 & Summary. EDD-EIM into Locus Database. Report THF to 1 µg/L. Samples were field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1207185-001A	MW-11_07112012	7/11/2012 1210h	7/12/2012 1345h	7/23/2012	Aqueous	8260-W	<input checked="" type="checkbox"/>	VOCFridge	3
1207185-001B						200.8-DIS	<input checked="" type="checkbox"/>	MET	1
	SEL Analytes: SN								
1207185-002A	MW-14_07112012	7/11/2012 1235h				8260-W	<input checked="" type="checkbox"/>	VOCFridge	3
1207185-002B						200.8-DIS	<input checked="" type="checkbox"/>	MET	1
	SEL Analytes: SN								
1207185-003A	MW-25_07102012	7/10/2012 1220h				8260-W	<input checked="" type="checkbox"/>	VOCFridge	3
1207185-003B						200.8-DIS	<input checked="" type="checkbox"/>	MET	1
	SEL Analytes: SN								
1207185-004A	MW-26_07112012	7/11/2012 0951h				8260-W	<input checked="" type="checkbox"/>	VOCFridge	3
1207185-004B						200.8-DIS	<input checked="" type="checkbox"/>	MET	1
	SEL Analytes: SN								
1207185-005A	MW-30_07102012	7/10/2012 1100h				8260-W	<input checked="" type="checkbox"/>	VOCFridge	3
1207185-005B						200.8-DIS	<input checked="" type="checkbox"/>	MET	1
	SEL Analytes: SN								
1207185-006A	MW-31_07092012	7/9/2012 1335h				8260-W	<input checked="" type="checkbox"/>	VOCFridge	3
1207185-006B						200.8-DIS	<input checked="" type="checkbox"/>	MET	1
	SEL Analytes: SN								
1207185-007A	MW-35_07102012	7/10/2012 1410h				8260-W	<input checked="" type="checkbox"/>	VOCFridge	3
1207185-007B						200.8-DIS	<input checked="" type="checkbox"/>	MET	1
	SEL Analytes: SN								
1207185-008A	MW-36_07112012	7/11/2012 0915h				8260-W	<input checked="" type="checkbox"/>	VOCFridge	3
1207185-008B						200.8-DIS	<input checked="" type="checkbox"/>	MET	1
	SEL Analytes: SN								
1207185-009A	MW-65_07112012	7/11/2012 0951h				8260-W	<input checked="" type="checkbox"/>	VOCFridge	3
1207185-009B						200.8-DIS	<input checked="" type="checkbox"/>	MET	1
	SEL Analytes: SN								
1207185-010A	Trip Blank	7/9/2012				8260-W	<input checked="" type="checkbox"/>	VOCFridge	2

QC-3
 TAT - standard
 per project Ac 7/12/12

1207185
 1.8



Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: American West Analytical Lab **Contact:** Garrin Palmer or David Turk
463 West 3600 South Ph: 435 678 2221
Salt Lake City, Ut 84115 gpalmer@denisonmines.com
dturk@denisonmines.com
tholliday@denisonmines.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
3rd Quarter Ground Water 2012	Tanner Holliday	<i>Tanner Holliday</i>

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-11_07112012	7/11/2012	1210	THF, TIN
MW-14_07112012	7/11/2012	1235	THF, TIN
MW-25_07102012	7/10/2012	1220	THF, TIN
MW-26_07112012	7/11/2012	951	THF, TIN
MW-30_07102012	7/10/2012	1100	THF, TIN
MW-31_07092012	7/9/2012	1335	THF, TIN
MW-35_07102012	7/10/2012	1410	THF, TIN
MW-36_07112012	7/11/2012	915	THF, TIN
MW-65_07112012	7/11/2012	951	THF, TIN
Trip Blank	7/9/2012		u

Please notify Garrin Palmer or Tanner Holliday of Receipt temperature on these samples Immediately!
 Thank you. *Samples were field filtered. Ac 7/13/12*

Relinquished By:(Signature) <i>Garrin Palmer</i>	Date/Time 7/12/2012 1345	Received By:(Signature) <i>David Turk</i>	Date/Time 7/12/12 13:45
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time

Lab Set ID: 1207185

Samples Were:	COC Tape Was:	Container Type:	No. Rec.
<input type="checkbox"/> Shipped By:	Present on Outer Package	<input type="checkbox"/> AWAL Supplied Plastic	
<input checked="" type="checkbox"/> Hand Delivered	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> AWAL Supplied Clear Glass	
<input type="checkbox"/> Ambient	Unbroken on Outer package	<input type="checkbox"/> AWAL Supplied Amber Glass	
<input checked="" type="checkbox"/> Chilled	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> AWAL Supplied VOA/TOC/TOX Vials	
Temperature <u>1.8</u> °C	Present on Sample	<input type="checkbox"/> Amber <input type="checkbox"/> Clear <input type="checkbox"/> Headspace <input type="checkbox"/> No Headspace	
Rec. Broken/Leaking <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> Non AWAL Supplied Container	
Notes:	Unbroken on Sample	Notes:	
Properly Preserved <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		
Notes:	Notes:		
Rec. Within Hold <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Discrepancies Between Labels and COC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Notes:		Notes:	

Ac 7/12/12

Bottle Type	Preservative	All pHs OK	-001	-002	-003	-004	-005	-006	-007	-008	-009						
Ammonia	pH <2 H ₂ SO ₄																
COD	pH <2 H ₂ SO ₄																
Cyanide	pH >12 NaOH																
Metals	pH <2 HNO ₃		yes														
NO ₂ & NO ₃	pH <2 H ₂ SO ₄																
Nutrients	pH <2 H ₂ SO ₄																
O & G	pH <2 HCL																
Phenols	pH <2 H ₂ SO ₄																
Sulfide	pH > 9NaOH, ZnAC																
TKN	pH <2 H ₂ SO ₄																
TOC	pH <2 H ₃ PO ₄																
T PO ₄	pH <2 H ₂ SO ₄																
TPH	pH <2 HCL																

- Procedure:
- 1) Pour a small amount of sample in the sample lid
 - 2) Pour sample from Lid gently over wide range pH paper
 - 3) Do Not dip the pH paper in the sample bottle or lid
 - 4) If sample is not preserved properly list its extension and receiving pH in the appropriate column above
 - 5) Flag COC and notify client for further instructions
 - 6) Place client conversation on COC
 - 7) Samples may be adjusted at client request



Jo Ann Tischler
Denison Mines
1050 17th Street, # 950
Denver, CO 80265
TEL: (303) 389-4132

RE: Semi Annual Ground Water

Dear Jo Ann Tischler:

Lab Set ID: 1208066

463 West 3600 South
Salt Lake City, UT 84115

American West Analytical Laboratories received 2 sample(s) on 8/3/2012 for the analyses presented in the following report.

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

American West Analytical Laboratories (AWAL) is accredited by The National Environmental Laboratory Association Conference (NELAC) Institute in Utah and Texas; and is state accredited in Colorado, Idaho, New Mexico, and Missouri. In addition, AWAL is also accredited by the American Analytical Laboratory Association (A2LA) on ISO IEC 17025:2005, Department of Defense (DOD), UST for the State of Wyoming, and the National Lead Laboratory Accreditation Program (NLLAP). All analyses were performed in accordance to The NELAC Institute and/or A2LA protocols unless noted otherwise. Accreditation documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Kyle F. Gross
Digitally signed by Kyle F. Gross
DN: cn=Kyle F. Gross, o=AWAL,
ou=AWAL-Laboratory Director,
email=kyle@awal-labs.com, c=US
Date: 2012.08.14 14:22:01 -06'00'

Approved by:

Laboratory Director or designee



SAMPLE SUMMARY

Client: Denison Mines
Project: Semi Annual Ground Water
Lab Set ID: 1208066
Date Received: 8/3/2012 1100h

Contact: Jo Ann Tischler

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Date Collected</u>	<u>Matrix</u>	<u>Analysis</u>
1208066-001A	MW-37_07302012	7/30/2012 1340h	Aqueous	VOA by GC/MS Method 8260C/5030C
1208066-001B	MW-37_07302012	7/30/2012 1340h	Aqueous	ICPMS Metals, Dissolved
1208066-002A	Trip Blank	7/30/2012	Aqueous	VOA by GC/MS Method 8260C/5030C

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



Inorganic Case Narrative

Client: Denison Mines
Contact: Jo Ann Tischler
Project: Semi Annual Ground Water
Lab Set ID: 1208066

Sample Receipt Information:

Date of Receipt: 8/03/2012
Date of Collection: 7/30/2012
Sample Condition: Intact
C-O-C Discrepancies: None

Holding Time and Preservation Requirements: The analysis of all samples was performed within the method holding times. All samples were properly preserved.

Preparation and Analysis Requirements: The samples were analyzed following the methods stated on the analytical reports. The samples were not digested pursuant to the client request.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Corrective Action: None required.

463 West 3600 South
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com
web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



Volatile Case Narrative

Client: Denison Mines
Contact: Jo Ann Tischler
Project: Semi Annual Ground Water
Lab Set ID: 1208066

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
Toll Free: (888) 263-8686

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt: 8/03/2012
Date(s) of Collection: 7/30/2012
Sample Condition: Intact
C-O-C Discrepancies: None
Method: SW-846 8260C/5030C
Analysis: Tetrahydrofuran

General Set Comments: Tetrahydrofuran was not observed above reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1208066
Project: Semi Annual Ground Water

Contact: Jo Ann Tischler
Dept: MSVOA
QC Type: LCS

Sample ID	Analyte	Units	Method	Result	Amount Spiked	Original Amount	%REC	Limits	%RPD	RPD Limit	Qual	Date Analyzed
LCS VOC 08061	Tetrahydrofuran	µg/L	SW8260C	16.0	20.00	0	80.2	43-146				8/6/2012 714h
LCS VOC 08061	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	50.8	50.00		102	76-138				8/6/2012 714h
LCS VOC 08061	Surr: 4-Bromofluorobenzene	%REC	SW8260C	49.3	50.00		98.5	77-121				8/6/2012 714h
LCS VOC 08061	Surr: Dibromofluoromethane	%REC	SW8260C	50.3	50.00		101	67-128				8/6/2012 714h
LCS VOC 08061	Surr: Toluene-d8	%REC	SW8260C	49.9	50.00		99.8	81-135				8/6/2012 714h



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1208066
Project: Semi Annual Ground Water

Contact: Jo Ann Tischler
Dept: MSVOA
QC Type: MBLK

Sample ID	Analyte	Units	Method	Result	Amount Spiked	Original Amount	%REC	Limits	%RPD	RPD Limit	Qual	Date Analyzed
MB VOC 08061	Tetrahydrofuran	µg/L	SW8260C	< 1.00				-				8/6/2012 752h
MB VOC 08061	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	50.4	50.00		101	76-138				8/6/2012 752h
MB VOC 08061	Surr: 4-Bromofluorobenzene	%REC	SW8260C	51.6	50.00		103	77-121				8/6/2012 752h
MB VOC 08061	Surr: Dibromofluoromethane	%REC	SW8260C	49.2	50.00		98.5	67-128				8/6/2012 752h
MB VOC 08061	Surr: Toluene-d8	%REC	SW8260C	50.0	50.00		100	81-135				8/6/2012 752h



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1208066
Project: Semi Annual Ground Water

Contact: Jo Ann Tischler
Dept: MSVOA
QC Type: MS

Sample ID	Analyte	Units	Method	Result	Amount Spiked	Original Amount	%REC	Limits	%RPD	RPD Limit	Qual	Date Analyzed
1208066-001AMS	Tetrahydrofuran	µg/L	SW8260C	14.5	20.00	0	72.7	43-146				8/6/2012 908h
1208066-001AMS	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	53.4	50.00		107	72-151				8/6/2012 908h
1208066-001AMS	Surr: 4-Bromofluorobenzene	%REC	SW8260C	49.3	50.00		98.5	80-128				8/6/2012 908h
1208066-001AMS	Surr: Dibromofluoromethane	%REC	SW8260C	52.0	50.00		104	80-124				8/6/2012 908h
1208066-001AMS	Surr: Toluene-d8	%REC	SW8260C	49.6	50.00		99.1	77-129				8/6/2012 908h



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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1208066
Project: Semi Annual Ground Water

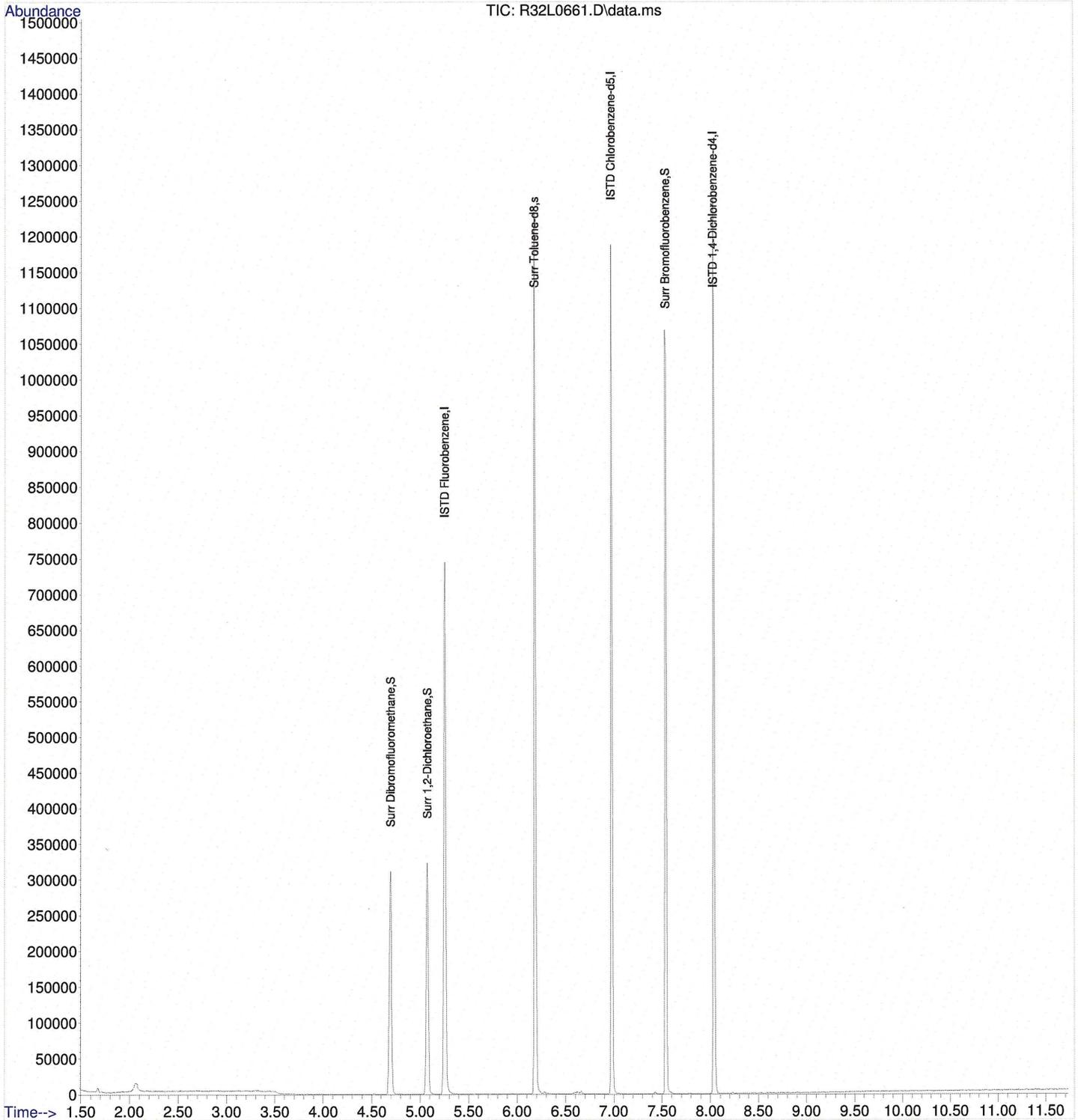
Contact: Jo Ann Tischler
Dept: MSVOA
QC Type: MSD

Sample ID	Analyte	Units	Method	Result	Amount Spiked	Original Amount	%REC	Limits	%RPD	RPD Limit	Qual	Date Analyzed
1208066-001AMSD	Tetrahydrofuran	µg/L	SW8260C	13.2	20.00	0	66.2	43-146	9.28	25		8/6/2012 927h
1208066-001AMSD	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	52.1	50.00		104	72-151				8/6/2012 927h
1208066-001AMSD	Surr: 4-Bromofluorobenzene	%REC	SW8260C	50.0	50.00		99.9	80-128				8/6/2012 927h
1208066-001AMSD	Surr: Dibromofluoromethane	%REC	SW8260C	51.6	50.00		103	80-124				8/6/2012 927h
1208066-001AMSD	Surr: Toluene-d8	%REC	SW8260C	49.5	50.00		99.0	77-129				8/6/2012 927h

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\AUG12-C\06AUG12\
Data File : R32L0661.D
Acq On : 6 Aug 2012 8:11 am
Operator :
Sample : 1208066-001A
Misc : SAMP 5.0ML 1OF3 SB
ALS Vial : 6 Sample Multiplier: 1

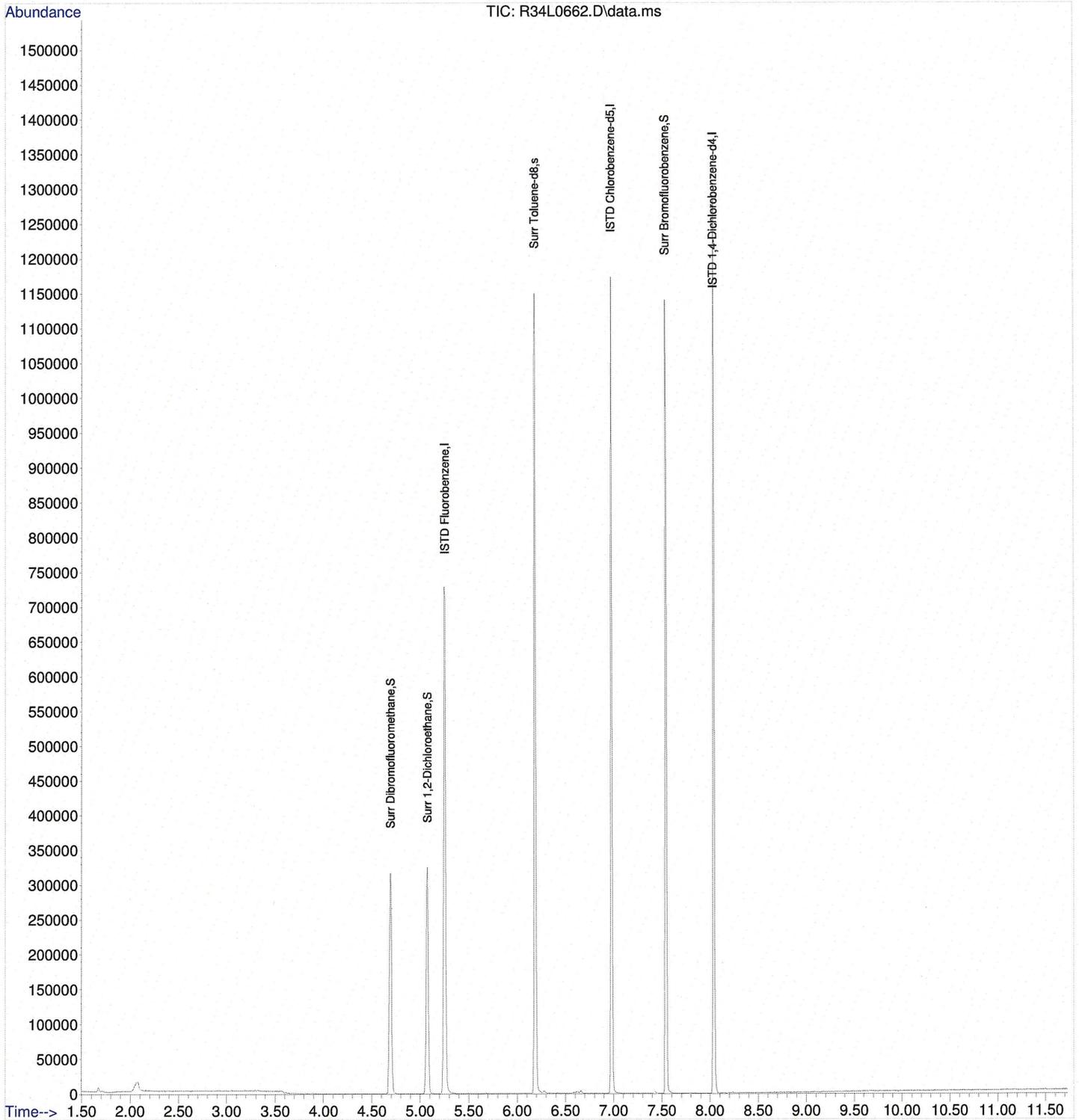
Quant Time: Aug 06 08:23:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_60.M
Quant Title : VOA Calibration
QLast Update : Fri Jul 27 07:53:44 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

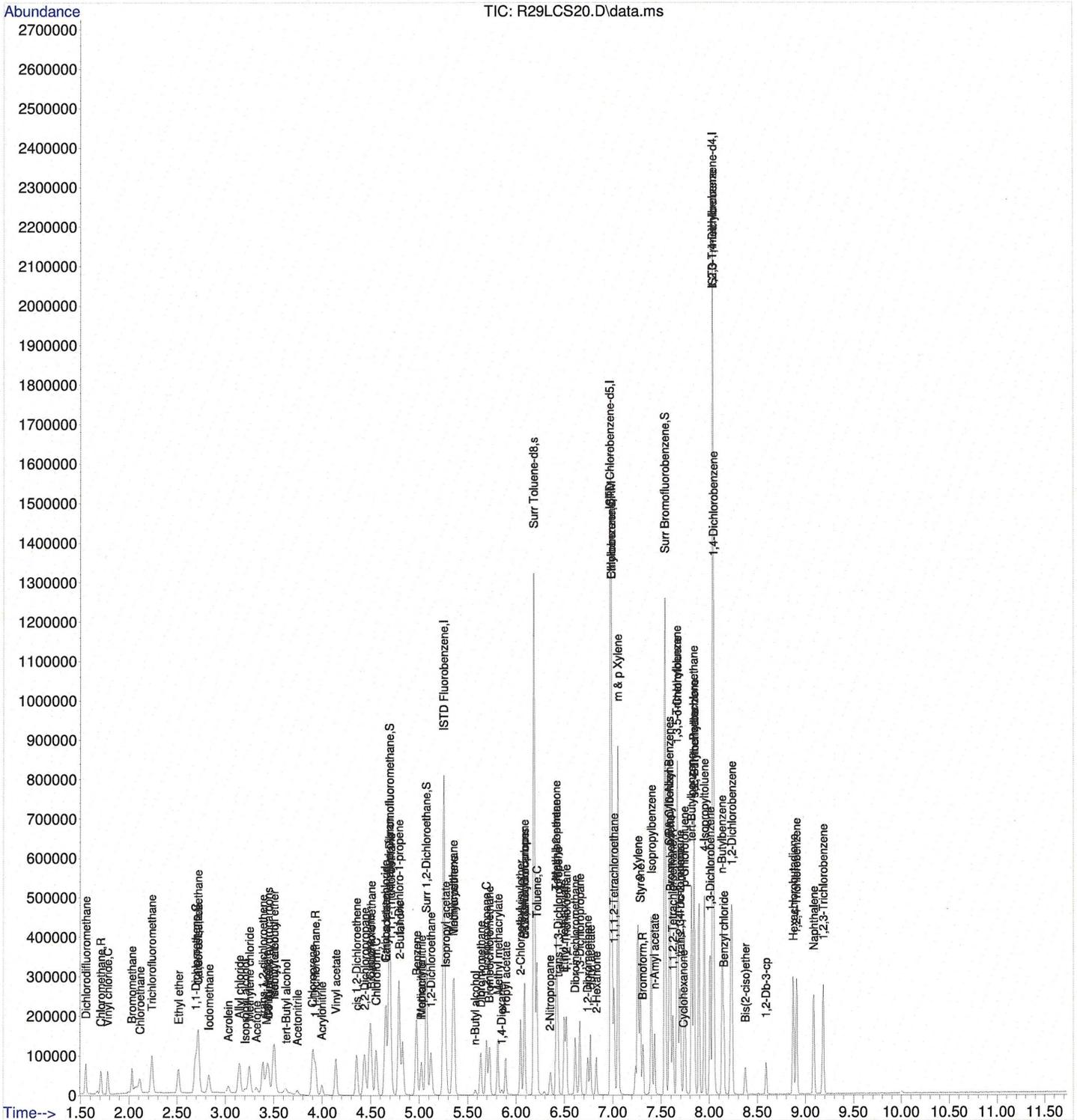
Data Path : C:\msdchem\1\DATA\AUG12-C\06AUG12\
Data File : R34L0662.D
Acq On : 6 Aug 2012 8:49 am
Operator :
Sample : 1208066-002A
Misc : SAMP 5.0ML 1OF3 SB
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 09:07:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_60.M
Quant Title : VOA Calibration
QLast Update : Fri Jul 27 07:53:44 2012
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\AUG12-C\06AUG12\
 Data File : R29LCS20.D
 Acq On : 6 Aug 2012 7:14 am
 Operator :
 Sample : LCS VOC 080612A
 Misc : LCS SEE COVERSHEET FOR ID AND AMOUNT JO
 ALS Vial : 3 Sample Multiplier: 1

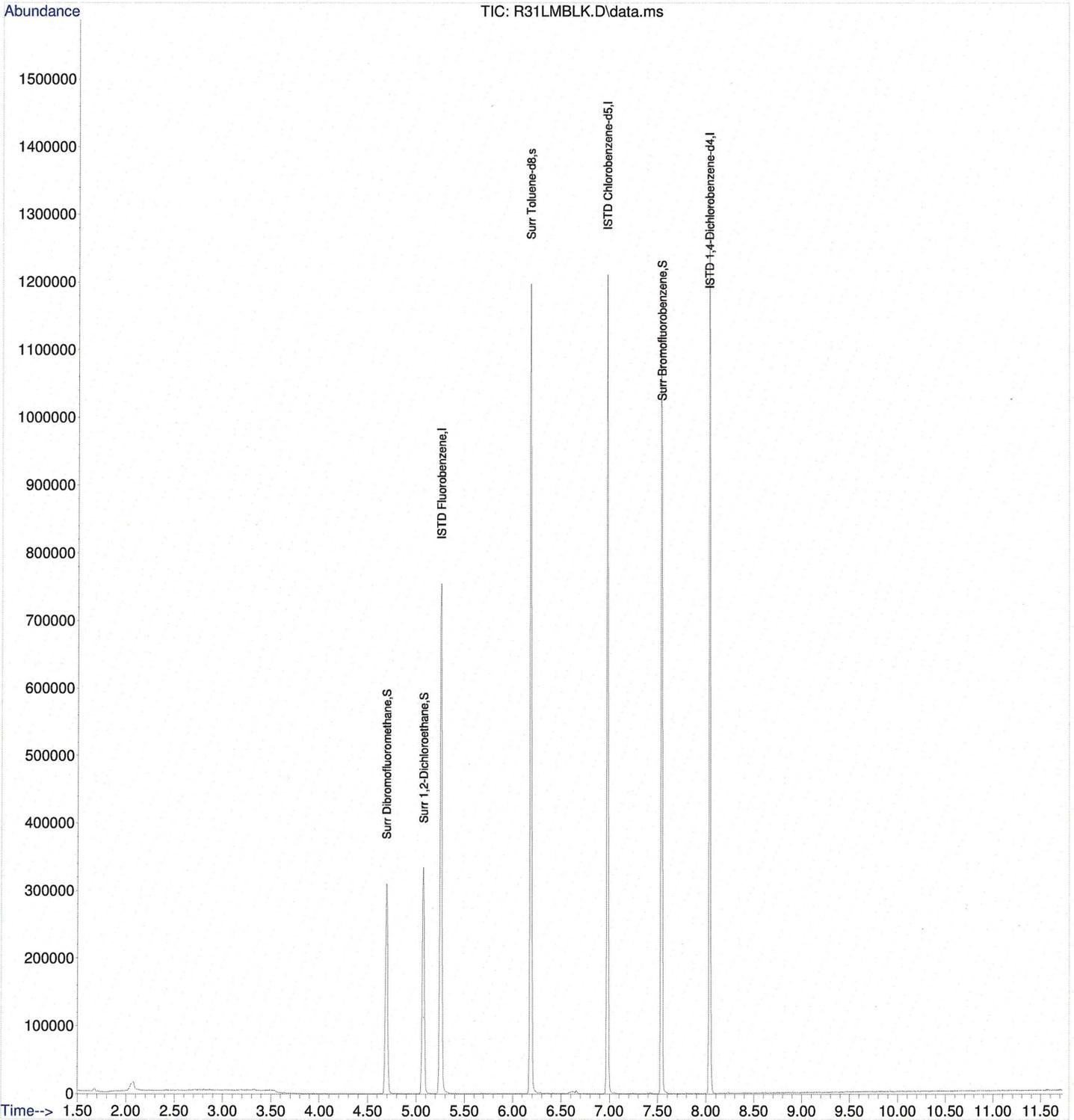
Quant Time: Aug 06 07:26:26 2012
 Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_60.M
 Quant Title : VOA Calibration
 QLast Update : Fri Jul 27 07:53:44 2012
 Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\AUG12-C\06AUG12\
Data File : R31LMBLK.D
Acq On : 6 Aug 2012 7:52 am
Operator :
Sample : MB VOC 080612A
Misc : MBLK 5.0ML JO
ALS Vial : 5 Sample Multiplier: 1

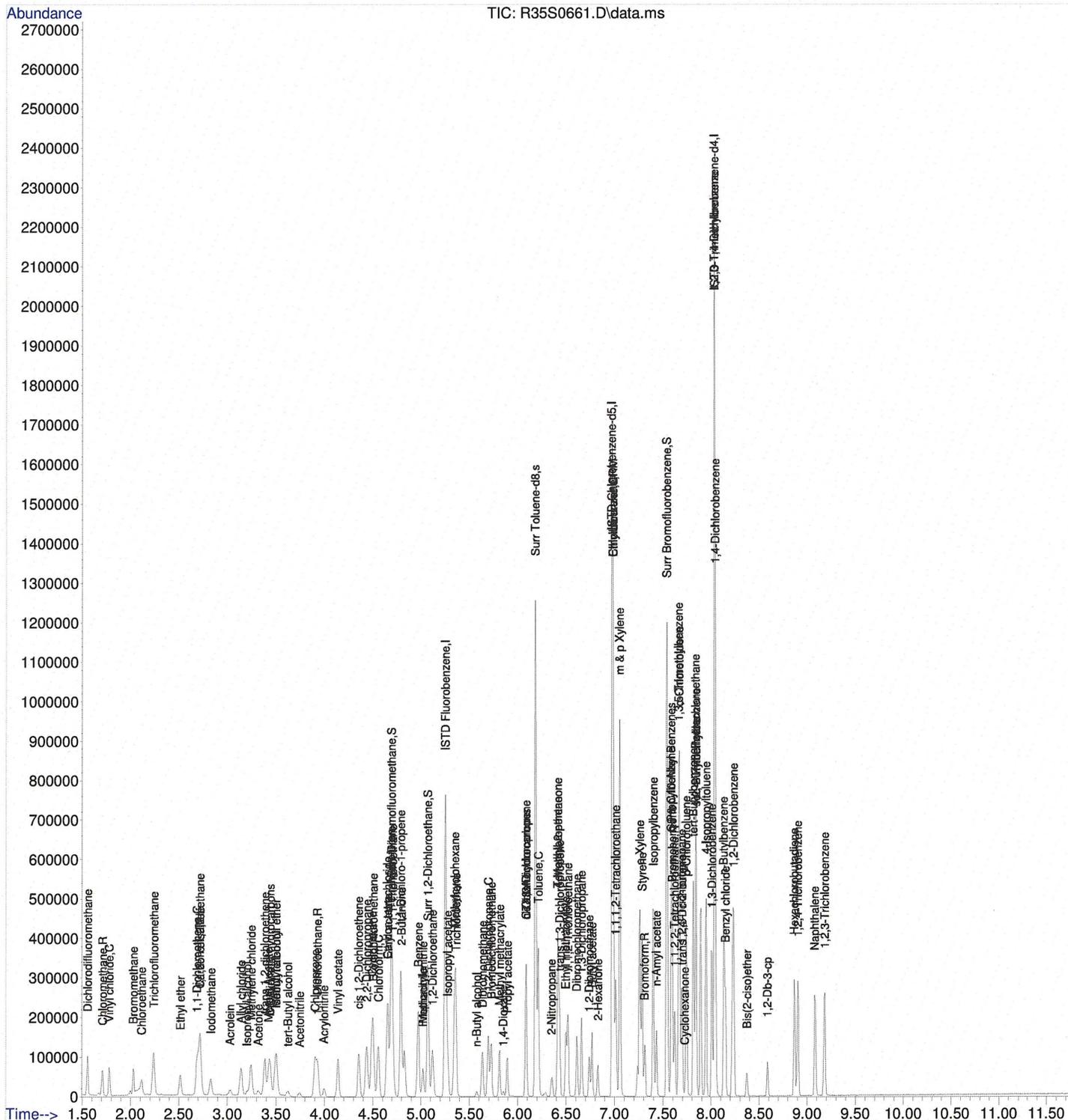
Quant Time: Aug 06 08:09:20 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_60.M
Quant Title : VOA Calibration
QLast Update : Fri Jul 27 07:53:44 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

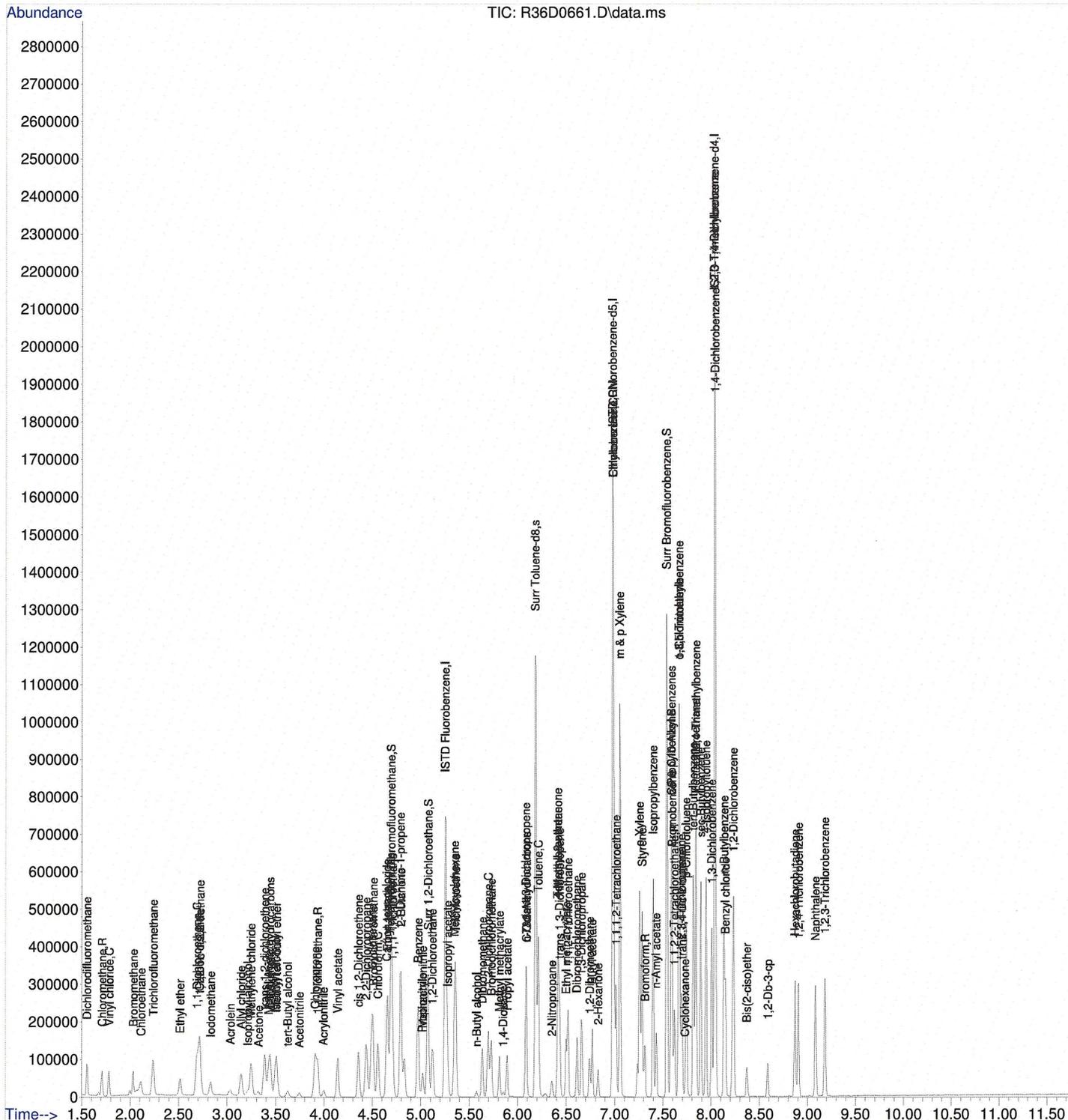
Data Path : C:\msdchem\1\DATA\AUG12-C\06AUG12\
 Data File : R35S0661.D
 Acq On : 6 Aug 2012 9:08 am
 Operator :
 Sample : 1208066-001AMS
 Misc : MS 5.0ML 20F3 SB
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 06 09:20:34 2012
 Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_60.M
 Quant Title : VOA Calibration
 QLast Update : Fri Jul 27 07:53:44 2012
 Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\AUG12-C\06AUG12\
 Data File : R36D0661.D
 Acq On : 6 Aug 2012 9:27 am
 Operator :
 Sample : 1208066-001AMSD
 Misc : MSD 5.0ML 3OF3 SB
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 09:39:37 2012
 Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_60.M
 Quant Title : VOA Calibration
 QLast Update : Fri Jul 27 07:53:44 2012
 Response via : Initial Calibration



American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1208066**

Client: Denison Mines

Page 1 of 1 8/3/2012

Client ID: DEN100

Contact: Jo Ann Tischler

Project: Semi Annual Ground Water

QC Level: LEVEL III

WO Type: Project

Comments: PA Rush. QC 3 & Summary. EDD-EIM into Locus Database. Report THF to 1 µg/L;

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	SEL	Storage	
1208066-001A	MW-37_07302012	7/30/2012 1340h	8/3/2012 1100h	8/14/2012	Aqueous	8260-W	<input checked="" type="checkbox"/>	VOCFridge	3
1208066-001B						200.8-DIS	<input checked="" type="checkbox"/>	MET	1
	SEL Analytes: SN								
1208066-002A	Trip Blank	7/30/2012				8260-W	<input checked="" type="checkbox"/>	VOCFridge	3

Lab Set ID: 1208066

Samples Were:		COC Tape Was:		Container Type:		No. Rec.	
<input checked="" type="checkbox"/> Shipped By: <i>Feed-X</i>		Present on Outer Package		<input type="checkbox"/> AWAL Supplied Plastic			
<input type="checkbox"/> Hand Delivered		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		<input type="checkbox"/> AWAL Supplied Clear Glass			
<input type="checkbox"/> Ambient		Unbroken on Outer package		<input type="checkbox"/> AWAL Supplied Amber Glass			
<input checked="" type="checkbox"/> Chilled <i>on ice</i>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		<input type="checkbox"/> AWAL Supplied VOA/TOC/TOX Vials			
Temperature <i>2.7</i> °C		Present on Sample		<input type="checkbox"/> Amber <input type="checkbox"/> Clear <input type="checkbox"/> Headspace <input type="checkbox"/> No Headspace			
Rec. Broken/Leaking <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<input type="checkbox"/> Non AWAL Supplied Container			
Notes:		Unbroken on Sample		Notes:			
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		<i>5/3/12</i> <i>eh</i>			
Notes:		Notes:					
Properly Preserved <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A				Discrepancies Between Labels and COC		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Notes:				Notes:			
Rec. Within Hold <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							
Notes:							

Bottle Type	Preservative	All pHs OK	/														
Ammonia	pH <2 H ₂ SO ₄																
COD	pH <2 H ₂ SO ₄																
Cyanide	pH >12 NaOH																
Metals	pH <2 HNO ₃		<i>yes</i>														
NO ₂ & NO ₃	pH <2 H ₂ SO ₄																
Nutrients	pH <2 H ₂ SO ₄																
O & G	pH <2 HCL																
Phenols	pH <2 H ₂ SO ₄																
Sulfide	pH > 9NaOH, ZnAC																
TKN	pH <2 H ₂ SO ₄																
TOC	pH <2 H ₃ PO ₄																
T PO ₄	pH <2 H ₂ SO ₄																
TPH	pH <2 HCL																

- Procedure:
- 1) Pour a small amount of sample in the sample lid
 - 2) Pour sample from Lid gently over wide range pH paper
 - 3) **Do Not** dip the pH paper in the sample bottle or lid
 - 4) If sample is not preserved properly list its extension and receiving pH in the appropriate column above.
 - 5) Flag COC and notify client for further instructions
 - 6) Place client conversation on COC
 - 7) Samples may be adjusted at client request

ANALYTICAL SUMMARY REPORT

August 10, 2012

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12070448 Quote ID: C1640 - POC Wells
Project Name: 3rd Quarter Groundwater 2012

Energy Laboratories, Inc. Casper WY received the following 13 samples for Denison Mines USA Corp on 7/13/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12070448-001	MW-29_07102012	07/10/12 13:45	07/13/12	Aqueous	Metals by ICP/ICPMS, Dissolved
C12070448-002	MW-32_07092012	07/09/12 13:15	07/13/12	Aqueous	Gross Alpha minus Rn222 and Uranium
C12070448-003	MW-11_07112012	07/11/12 12:10	07/13/12	Aqueous	Alkalinity QA Calculations Chloride Fluoride Metals by ICP, Dissolved Metals by ICP-MS, Dissolved Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Solids, Total Dissolved Solids, Total Dissolved - Calculated Sulfate SW8260B VOCs, Standard List
C12070448-004	MW-14_07112012	07/11/12 12:35	07/13/12	Aqueous	Same As Above
C12070448-005	MW-25_07102012	07/10/12 12:20	07/13/12	Aqueous	Same As Above
C12070448-006	MW-26_07112012	07/11/12 9:51	07/13/12	Aqueous	Alkalinity QA Calculations Chloride Fluoride Metals by ICP, Dissolved Metals by ICP-MS, Dissolved Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Solids, Total Dissolved Solids, Total Dissolved - Calculated Sulfate

ANALYTICAL SUMMARY REPORT

C12070448-007	MW-30_07102012	07/10/12 11:00	07/13/12	Aqueous	Alkalinity QA Calculations Chloride Fluoride Metals by ICP, Dissolved Metals by ICP-MS, Dissolved Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Solids, Total Dissolved Solids, Total Dissolved - Calculated Sulfate SW8260B VOCs, Standard List
C12070448-008	MW-31_07092012	07/09/12 13:35	07/13/12	Aqueous	Same As Above
C12070448-009	MW-35_07102012	07/10/12 14:10	07/13/12	Aqueous	Same As Above
C12070448-010	MW-36_07112012	07/11/12 9:15	07/13/12	Aqueous	Same As Above
C12070448-011	MW-65_07112012	07/11/12 9:51	07/13/12	Aqueous	Alkalinity QA Calculations Chloride Fluoride Metals by ICP, Dissolved Metals by ICP-MS, Dissolved Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Solids, Total Dissolved Solids, Total Dissolved - Calculated Sulfate
C12070448-012	Trip Blank 6706	07/09/12 0:00	07/13/12	Aqueous	SW8260B VOCs, Standard List
C12070448-013	Temp Blank	07/12/12 0:00	07/13/12	Aqueous	Temperature

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

Stephanie D Waldrop
Reporting Supervisor

Digitally signed by
Stephanie Waldrop
Date: 2012.08.10 10:55:13 -06:00



CLIENT: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Sample Delivery Group: C12070448

Revised Date: 08/10/12

Report Date: 08/09/12

CASE NARRATIVE

REVISED/SUPPLEMENTAL REPORT

The attached analytical report has been revised from a previously submitted report due to the request by Kathy Weinel on August 10, 2012 to remove the VOC's from samples MW-26 and MW-65. The data presented here reflects this change.

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS

Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001, Radiochemical WY200002; Utah: WY00002; Virginia: 00057; Washington: C836

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012

Revised Date: 08/10/12
Report Date: 08/09/12

Lab ID: C12070448-003
Client Sample ID: MW-11_07112012

Collection Date: 07/11/12 12:10
DateReceived: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
----------	--------	-------	------------	----	-------------	--------	--------------------

PHYSICAL PROPERTIES

pH	7.76	s.u.	H	0.01		A4500-H B	07/13/12 13:57 / ab
----	------	------	---	------	--	-----------	---------------------

Lab ID: C12070448-004
Client Sample ID: MW-14_07112012

Collection Date: 07/11/12 12:35
DateReceived: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
----------	--------	-------	------------	----	-------------	--------	--------------------

PHYSICAL PROPERTIES

pH	6.91	s.u.	H	0.01		A4500-H B	07/13/12 13:59 / ab
----	------	------	---	------	--	-----------	---------------------

Lab ID: C12070448-005
Client Sample ID: MW-25_07102012

Collection Date: 07/10/12 12:20
DateReceived: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
----------	--------	-------	------------	----	-------------	--------	--------------------

PHYSICAL PROPERTIES

pH	6.94	s.u.	H	0.01		A4500-H B	07/13/12 14:02 / ab
----	------	------	---	------	--	-----------	---------------------

Lab ID: C12070448-006
Client Sample ID: MW-26_07112012

Collection Date: 07/11/12 09:51
DateReceived: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
----------	--------	-------	------------	----	-------------	--------	--------------------

PHYSICAL PROPERTIES

pH	7.00	s.u.	H	0.01		A4500-H B	07/13/12 14:05 / ab
----	------	------	---	------	--	-----------	---------------------

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012

Revised Date: 08/10/12
Report Date: 08/09/12

Lab ID: C12070448-007
Client Sample ID: MW-30_07102012

Collection Date: 07/10/12 11:00
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.17	s.u.	H	0.01		A4500-H B	07/13/12 14:07 / ab

Lab ID: C12070448-008
Client Sample ID: MW-31_07092012

Collection Date: 07/09/12 13:35
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.48	s.u.	H	0.01		A4500-H B	07/13/12 14:10 / ab

Lab ID: C12070448-009
Client Sample ID: MW-35_07102012

Collection Date: 07/10/12 14:10
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.94	s.u.	H	0.01		A4500-H B	07/13/12 14:13 / ab

Lab ID: C12070448-010
Client Sample ID: MW-36_07112012

Collection Date: 07/11/12 09:15
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.18	s.u.	H	0.01		A4500-H B	07/13/12 14:15 / ab

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012

Revised Date: 08/10/12
Report Date: 08/09/12

Lab ID: C12070448-011
Client Sample ID: MW-65_07112012

Collection Date: 07/11/12 09:51
Date Received: 07/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.03	s.u.	H	0.01		A4500-H B	07/13/12 14:18 / ab

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Report Date: 08/09/12

Client: Denison Mines USA Corp

Project: 3rd Quarter Groundwater 2012

Work Order: C12070448

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R161902
Sample ID: MBLK	3	Method Blank								Run: MANTECH_120713B 07/13/12 15:28
Alkalinity, Total as CaCO3		ND	mg/L	5.0						
Carbonate as CO3		ND	mg/L	1.0						
Bicarbonate as HCO3		ND	mg/L	1.0						
Sample ID: LCS-6677		Laboratory Control Sample								Run: MANTECH_120713B 07/13/12 15:44
Alkalinity, Total as CaCO3		201	mg/L	5.0	100	90	110			
Sample ID: C12070448-008ADUP	3	Sample Duplicate								Run: MANTECH_120713B 07/13/12 19:29
Alkalinity, Total as CaCO3		172	mg/L	5.0				3.9	10	
Carbonate as CO3		ND	mg/L	5.0					10	
Bicarbonate as HCO3		210	mg/L	5.0				3.9	10	
Sample ID: C12070448-009AMS		Sample Matrix Spike								Run: MANTECH_120713B 07/13/12 19:45
Alkalinity, Total as CaCO3		458	mg/L	5.0	105	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Client: Denison Mines USA Corp

Report Date: 08/09/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070448

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C										Batch: TDS120713A
Sample ID: MB-1_120713A		Method Blank					Run: BAL-1_120713A			07/13/12 15:40
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	10						
Sample ID: LCS-2_120713A		Laboratory Control Sample					Run: BAL-1_120713A			07/13/12 15:40
Solids, Total Dissolved TDS @ 180 C		1090	mg/L	10	98	90	110			
Sample ID: C12070433-001A MS		Sample Matrix Spike					Run: BAL-1_120713A			07/13/12 15:49
Solids, Total Dissolved TDS @ 180 C		2180	mg/L	10	101	90	110			
Sample ID: C12070448-003A DUP		Sample Duplicate					Run: BAL-1_120713A			07/13/12 15:51
Solids, Total Dissolved TDS @ 180 C		2020	mg/L	10				0.3	5	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Report Date: 08/09/12

Client: Denison Mines USA Corp

Project: 3rd Quarter Groundwater 2012

Work Order: C12070448

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-CI B								Batch: 120719-CL-TTR-W		
Sample ID: MBLK9-120719		Method Blank					Run: TITRATION_120719A		07/19/12 14:05	
Chloride		ND	mg/L	1.0						
Sample ID: C12070244-001AMS		Sample Matrix Spike					Run: TITRATION_120719A		07/19/12 14:49	
Chloride		44.7	mg/L	1.0	100	90	110			
Sample ID: C12070244-001AMSD		Sample Matrix Spike Duplicate					Run: TITRATION_120719A		07/19/12 14:50	
Chloride		44.7	mg/L	1.0	100	90	110	0.0	10	
Sample ID: C12070448-006AMS		Sample Matrix Spike					Run: TITRATION_120719A		07/19/12 15:23	
Chloride		259	mg/L	1.0	102	90	110			
Sample ID: C12070448-006AMSD		Sample Matrix Spike Duplicate					Run: TITRATION_120719A		07/19/12 15:24	
Chloride		255	mg/L	1.0	100	90	110	1.4	10	
Sample ID: LCS35-120719		Laboratory Control Sample					Run: TITRATION_120719A		07/19/12 15:28	
Chloride		3620	mg/L	1.0	102	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Report Date: 08/09/12

Client: Denison Mines USA Corp

Project: 3rd Quarter Groundwater 2012

Work Order: C12070448

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-F C										Batch: R161878
Sample ID: MBLK		Method Blank								07/13/12 11:08
Fluoride		ND	mg/L	0.10						
Sample ID: LCS-6892		Laboratory Control Sample								07/13/12 11:12
Fluoride		1.96	mg/L	0.10	98	90	110			
Sample ID: C12070448-003AMS		Sample Matrix Spike								07/13/12 14:01
Fluoride		2.38	mg/L	0.10	95	80	120			
Sample ID: C12070448-003AMSD		Sample Matrix Spike Duplicate								07/13/12 14:06
Fluoride		2.38	mg/L	0.10	95	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Report Date: 08/09/12

Work Order: C12070448

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: A4500-H B								Analytical Run: PHSC_101-C_120713A			
Sample ID: pH 6.86											
		Initial Calibration Verification Standard									07/13/12 08:52
pH		6.85	s.u.	0.010	100	98	102				
Sample ID: pH 6.86											
		Initial Calibration Verification Standard									07/13/12 13:17
pH		6.85	s.u.	0.010	100	98	102				
Method: A4500-H B								Batch: R161844			
Sample ID: C12070448-011ADUP											
		Sample Duplicate									07/13/12 14:21
		Run: PHSC_101-C_120713A									
pH		6.99	s.u.	0.010				0.6	3		

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Report Date: 08/09/12

Work Order: C12070448

Client: Denison Mines USA Corp

Project: 3rd Quarter Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G										Batch: R162001
Sample ID: MBLK-1		Method Blank								Run: TECHNICON_120717A 07/17/12 10:56
Nitrogen, Ammonia as N		ND	mg/L	0.050						
Sample ID: LCS-2		Laboratory Control Sample								Run: TECHNICON_120717A 07/17/12 10:58
Nitrogen, Ammonia as N		1.92	mg/L	0.050	96	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank								Run: TECHNICON_120717A 07/17/12 11:00
Nitrogen, Ammonia as N		1.99	mg/L	0.050	102	80	120			
Sample ID: C12070412-002CMS		Sample Matrix Spike								Run: TECHNICON_120717A 07/17/12 12:34
Nitrogen, Ammonia as N		1.92	mg/L	0.050	98	90	110			
Sample ID: C12070412-002CMSD		Sample Matrix Spike Duplicate								Run: TECHNICON_120717A 07/17/12 12:36
Nitrogen, Ammonia as N		1.96	mg/L	0.050	100	90	110	2.1	10	
Sample ID: C12070448-007CMS		Sample Matrix Spike								Run: TECHNICON_120717A 07/17/12 13:22
Nitrogen, Ammonia as N		2.04	mg/L	0.050	103	90	110			
Sample ID: C12070448-007CMSD		Sample Matrix Spike Duplicate								Run: TECHNICON_120717A 07/17/12 13:24
Nitrogen, Ammonia as N		2.06	mg/L	0.050	104	90	110	1.0	10	

Qualifiers:

RL - Analyte reporting limit.

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MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Client: Denison Mines USA Corp

Report Date: 08/09/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070448

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E								Batch: 120720_1_SO4-TURB-W		
Sample ID: LCS-1_120720	Laboratory Control Sample						Run: TURB-2_120720A			07/20/12 11:43
Sulfate		4600	mg/L	100	96	90	110			
Sample ID: MBLK-1_120720	Method Blank						Run: TURB-2_120720A			07/20/12 11:46
Sulfate		ND	mg/L	10						
Sample ID: C12070448-011AMS	Sample Matrix Spike						Run: TURB-2_120720A			07/20/12 13:35
Sulfate		2660	mg/L	50	98	90	110			
Sample ID: C12070448-011AMSD	Sample Matrix Spike Duplicate						Run: TURB-2_120720A			07/20/12 13:47
Sulfate		2640	mg/L	50	95	90	110	0.9	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Report Date: 08/09/12

Client: Denison Mines USA Corp

Work Order: C12070448

Project: 3rd Quarter Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: E200.7								Analytical Run: ICP2-C_120719A			
Sample ID: ICV	Initial Calibration Verification Standard										
Calcium		48.8	mg/L	0.50	98	95	105			07/19/12 11:32	
Sample ID: ICSA	Interference Check Sample A										
Calcium		483	mg/L	0.50	97	80	120			07/19/12 12:18	
Sample ID: ICSAB	Interference Check Sample AB										
Calcium		478	mg/L	0.50	96	80	120			07/19/12 12:22	
Method: E200.7								Batch: R162123			
Sample ID: MB-120719A	Method Blank										
Calcium		ND	mg/L	0.50						Run: ICP2-C_120719A 07/19/12 12:42	
Sample ID: LFB-120719A	Laboratory Fortified Blank										
Calcium		47.6	mg/L	0.50	95	85	115			Run: ICP2-C_120719A 07/19/12 12:46	
Sample ID: C12070448-006BMS2	Sample Matrix Spike										
Calcium		709	mg/L	0.50	85	70	130			Run: ICP2-C_120719A 07/19/12 17:56	
Sample ID: C12070448-006BMSD	Sample Matrix Spike Duplicate										
Calcium		727	mg/L	0.50	92	70	130	2.5	20	Run: ICP2-C_120719A 07/19/12 18:01	
Method: E200.7								Analytical Run: ICP4-C_120716A			
Sample ID: ICV	Initial Calibration Verification Standard										
Iron		5.04	mg/L	0.030	101	95	105			07/16/12 14:12	
Sample ID: ICSA	Interference Check Sample A										
Iron		176	mg/L	0.030	88	80	120			07/16/12 14:26	
Sample ID: ICSAB	Interference Check Sample AB										
Iron		174	mg/L	0.030	87	80	120			07/16/12 14:30	
Method: E200.7								Batch: R161962			
Sample ID: MB-120716A	Method Blank										
Iron		ND	mg/L	0.030						Run: ICP4-C_120716A 07/16/12 14:34	
Sample ID: LFB-120716A	Laboratory Fortified Blank										
Iron		0.970	mg/L	0.030	97	85	115			Run: ICP4-C_120716A 07/16/12 14:38	
Sample ID: C12070492-001BMS2	Sample Matrix Spike										
Iron		0.865	mg/L	0.030	85	70	130			Run: ICP4-C_120716A 07/16/12 15:37	
Sample ID: C12070492-001BMSD	Sample Matrix Spike Duplicate										
Iron		0.887	mg/L	0.030	87	70	130	2.5	20	Run: ICP4-C_120716A 07/16/12 15:41	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Client: Denison Mines USA Corp

Report Date: 08/09/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070448

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Analytical Run: ICP4-C_120718A
Sample ID: ICV	5	Initial Calibration Verification Standard							07/18/12 14:12	
Calcium		49.9	mg/L	0.50	100	95	105			
Iron		5.00	mg/L	0.030	100	95	105			
Magnesium		50.1	mg/L	0.50	100	95	105			
Potassium		49.4	mg/L	0.50	99	95	105			
Sodium		50.4	mg/L	0.50	101	95	105			
Sample ID: ICSA	5	Interference Check Sample A							07/18/12 14:26	
Calcium		455	mg/L	0.50	91	80	120			
Iron		176	mg/L	0.030	88	80	120			
Magnesium		517	mg/L	0.50	103	80	120			
Potassium		-0.0109	mg/L	0.50						
Sodium		0.422	mg/L	0.50						
Sample ID: ICSAB	5	Interference Check Sample AB							07/18/12 14:30	
Calcium		451	mg/L	0.50	90	80	120			
Iron		177	mg/L	0.030	88	80	120			
Magnesium		514	mg/L	0.50	103	80	120			
Potassium		-0.0228	mg/L	0.50						
Sodium		0.352	mg/L	0.50						
Method: E200.7										Batch: R162060
Sample ID: MB-120718A	5	Method Blank				Run: ICP4-C_120718A		07/18/12 14:34		
Calcium		ND	mg/L	0.50						
Iron		ND	mg/L	0.030						
Magnesium		ND	mg/L	0.50						
Potassium		ND	mg/L	0.50						
Sodium		ND	mg/L	0.50						
Sample ID: LFB-120718A	5	Laboratory Fortified Blank				Run: ICP4-C_120718A		07/18/12 14:38		
Calcium		48.3	mg/L	0.50	97	85	115			
Iron		0.959	mg/L	0.030	95	85	115			
Magnesium		47.9	mg/L	0.50	96	85	115			
Potassium		48.4	mg/L	0.50	97	85	115			
Sodium		48.2	mg/L	0.50	96	85	115			
Sample ID: C12070448-010BMS2	5	Sample Matrix Spike				Run: ICP4-C_120718A		07/18/12 15:34		
Calcium		638	mg/L	0.50	80	70	130			
Iron		4.58	mg/L	0.030	90	70	130			
Magnesium		366	mg/L	0.50	91	70	130			
Potassium		229	mg/L	0.50	86	70	130			
Sodium		826	mg/L	1.0	75	70	130			
Sample ID: C12070448-010BMSD	5	Sample Matrix Spike Duplicate				Run: ICP4-C_120718A		07/18/12 15:38		
Calcium		648	mg/L	0.50	84	70	130	1.5	20	
Iron		4.72	mg/L	0.030	93	70	130	2.9	20	
Magnesium		373	mg/L	0.50	94	70	130	1.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Report Date: 08/09/12

Work Order: C12070448

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R162060
Sample ID: C12070448-010BMSD 5 Sample Matrix Spike Duplicate										Run: ICP4-C_120718A 07/18/12 15:38
Potassium		237	mg/L	0.50	89	70	130	3.3	20	
Sodium		857	mg/L	1.0	87	70	130	3.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Client: Denison Mines USA Corp

Report Date: 08/09/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070448

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: E200.8										Analytical Run: ICPMS4-C_120724A	
Sample ID: ICV		15 Initial Calibration Verification Standard								07/24/12 13:32	
Arsenic		0.0514	mg/L	0.0010	103	90	110				
Cadmium		0.0520	mg/L	0.0010	104	90	110				
Chromium		0.0504	mg/L	0.0010	101	90	110				
Cobalt		0.0522	mg/L	0.0010	104	90	110				
Copper		0.0530	mg/L	0.0010	106	90	110				
Lead		0.0503	mg/L	0.0010	101	90	110				
Manganese		0.0511	mg/L	0.0010	102	90	110				
Molybdenum		0.0501	mg/L	0.0010	100	90	110				
Nickel		0.0522	mg/L	0.0010	104	90	110				
Selenium		0.0513	mg/L	0.0010	103	90	110				
Silver		0.0209	mg/L	0.0010	105	90	110				
Thallium		0.0513	mg/L	0.0010	103	90	110				
Uranium		0.0506	mg/L	0.00030	101	90	110				
Vanadium		0.0505	mg/L	0.0010	101	90	110				
Zinc		0.0529	mg/L	0.0010	106	90	110				

Method: E200.8										Batch: R162369	
Sample ID: LRB		15 Method Blank								Run: ICPMS4-C_120724A 07/24/12 14:09	
Arsenic		ND	mg/L	0.0050							
Cadmium		ND	mg/L	0.00050							
Chromium		ND	mg/L	0.020							
Cobalt		ND	mg/L	0.010							
Copper		ND	mg/L	0.010							
Lead		ND	mg/L	0.0010							
Manganese		ND	mg/L	0.010							
Molybdenum		ND	mg/L	0.010							
Nickel		ND	mg/L	0.020							
Selenium		ND	mg/L	0.0050							
Silver		ND	mg/L	0.010							
Thallium		ND	mg/L	0.00050							
Uranium		ND	mg/L	0.00030							
Vanadium		ND	mg/L	0.010							
Zinc		ND	mg/L	0.010							

Sample ID: LFB		15 Laboratory Fortified Blank								Run: ICPMS4-C_120724A 07/24/12 14:13	
Arsenic		0.0524	mg/L	0.0010	105	85	115				
Cadmium		0.0533	mg/L	0.0010	107	85	115				
Chromium		0.0522	mg/L	0.0010	104	85	115				
Cobalt		0.0537	mg/L	0.0010	107	85	115				
Copper		0.0531	mg/L	0.0010	106	85	115				
Lead		0.0511	mg/L	0.0010	102	85	115				
Manganese		0.0536	mg/L	0.0010	107	85	115				
Molybdenum		0.0520	mg/L	0.0010	104	85	115				
Nickel		0.0528	mg/L	0.0010	106	85	115				

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Client: Denison Mines USA Corp

Report Date: 08/09/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070448

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										
Batch: R162369										
Sample ID: LFB	15	Laboratory Fortified Blank			Run: ICPMS4-C_120724A			07/24/12 14:13		
Selenium		0.0531	mg/L	0.0010	106	85	115			
Silver		0.0210	mg/L	0.0010	105	85	115			
Thallium		0.0523	mg/L	0.0010	105	85	115			
Uranium		0.0510	mg/L	0.00030	102	85	115			
Vanadium		0.0524	mg/L	0.0010	105	85	115			
Zinc		0.0537	mg/L	0.0010	107	85	115			
Sample ID: C12070448-003BMS	15	Sample Matrix Spike			Run: ICPMS4-C_120724A			07/25/12 07:19		
Arsenic		0.0531	mg/L	0.0010	105	70	130			
Cadmium		0.0466	mg/L	0.0010	93	70	130			
Chromium		0.0524	mg/L	0.0010	105	70	130			
Cobalt		0.0490	mg/L	0.0010	96	70	130			
Copper		0.0469	mg/L	0.0010	94	70	130			
Lead		0.0552	mg/L	0.0010	110	70	130			
Manganese		0.188	mg/L	0.0010	107	70	130			
Molybdenum		0.0558	mg/L	0.0010	107	70	130			
Nickel		0.0486	mg/L	0.0010	96	70	130			
Selenium		0.0510	mg/L	0.0010	102	70	130			
Silver		0.0168	mg/L	0.0010	84	70	130			
Thallium		0.0526	mg/L	0.0010	105	70	130			
Uranium		0.0652	mg/L	0.00030	129	70	130			
Vanadium		0.0543	mg/L	0.0010	109	70	130			
Zinc		0.0450	mg/L	0.0010	89	70	130			
Sample ID: C12070448-003BMSD	14	Sample Matrix Spike Duplicate			Run: ICPMS4-C_120724A			07/25/12 07:42		
Arsenic		0.0525	mg/L	0.0010	104	70	130	1.1	20	
Cadmium		0.0457	mg/L	0.0010	91	70	130	2.1	20	
Chromium		0.0523	mg/L	0.0010	105	70	130	0.2	20	
Cobalt		0.0478	mg/L	0.0010	94	70	130	2.4	20	
Copper		0.0468	mg/L	0.0010	94	70	130	0.2	20	
Lead		0.0541	mg/L	0.0010	108	70	130	1.9	20	
Manganese		0.185	mg/L	0.0010	101	70	130	1.7	20	
Molybdenum		0.0548	mg/L	0.0010	105	70	130	1.8	20	
Nickel		0.0485	mg/L	0.0010	95	70	130	0.3	20	
Silver		0.0162	mg/L	0.0010	81	70	130	3.1	20	
Thallium		0.0515	mg/L	0.0010	103	70	130	2.1	20	
Uranium		0.0630	mg/L	0.00030	125	70	130	3.5	20	
Vanadium		0.0543	mg/L	0.0010	109	70	130	0.1	20	
Zinc		0.0447	mg/L	0.0010	89	70	130	0.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Client: Denison Mines USA Corp

Report Date: 08/09/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070448

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Analytical Run: ICPMS4-C_120801A		
Sample ID: ICV		17 Initial Calibration Verification Standard							08/01/12 10:16	
Arsenic		0.0504	mg/L	0.0010	101	90	110			
Beryllium		0.0516	mg/L	0.0010	103	90	110			
Cadmium		0.0505	mg/L	0.0010	101	90	110			
Chromium		0.0484	mg/L	0.0010	97	90	110			
Cobalt		0.0514	mg/L	0.0010	103	90	110			
Copper		0.0513	mg/L	0.0010	103	90	110			
Lead		0.0491	mg/L	0.0010	98	90	110			
Manganese		0.0504	mg/L	0.0010	101	90	110			
Mercury		0.00512	mg/L	0.0010	102	90	110			
Molybdenum		0.0466	mg/L	0.0010	93	90	110			
Nickel		0.0507	mg/L	0.0010	101	90	110			
Selenium		0.0531	mg/L	0.0010	106	90	110			
Silver		0.0206	mg/L	0.0010	103	90	110			
Thallium		0.0499	mg/L	0.0010	100	90	110			
Uranium		0.0507	mg/L	0.00030	101	90	110			
Vanadium		0.0479	mg/L	0.0010	96	90	110			
Zinc		0.0518	mg/L	0.0010	104	90	110			

Method: E200.8								Batch: R162678	
Sample ID: LRB		17 Method Blank				Run: ICPMS4-C_120801A		08/01/12 10:52	
Arsenic		ND	mg/L	0.0050					
Beryllium		ND	mg/L	0.00050					
Cadmium		ND	mg/L	0.00050					
Chromium		ND	mg/L	0.020					
Cobalt		ND	mg/L	0.010					
Copper		ND	mg/L	0.010					
Lead		ND	mg/L	0.0010					
Manganese		ND	mg/L	0.010					
Mercury		ND	mg/L	0.00050					
Molybdenum		ND	mg/L	0.010					
Nickel		ND	mg/L	0.020					
Selenium		ND	mg/L	0.0050					
Silver		ND	mg/L	0.010					
Thallium		ND	mg/L	0.00050					
Uranium		ND	mg/L	0.00030					
Vanadium		ND	mg/L	0.010					
Zinc		ND	mg/L	0.010					

Sample ID: LFB		17 Laboratory Fortified Blank				Run: ICPMS4-C_120801A		08/01/12 10:56	
Arsenic		0.0518	mg/L	0.0010	103	85	115		
Beryllium		0.0524	mg/L	0.0010	105	85	115		
Cadmium		0.0518	mg/L	0.0010	104	85	115		
Chromium		0.0503	mg/L	0.0010	101	85	115		
Cobalt		0.0527	mg/L	0.0010	105	85	115		

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Client: Denison Mines USA Corp

Report Date: 08/09/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070448

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										
Batch: R162678										
Sample ID: LFB	17	Laboratory Fortified Blank			Run: ICPMS4-C_120801A			08/01/12 10:56		
Copper		0.0522	mg/L	0.0010	104	85	115			
Lead		0.0510	mg/L	0.0010	102	85	115			
Manganese		0.0524	mg/L	0.0010	105	85	115			
Mercury		0.00502	mg/L	0.0010	100	85	115			
Molybdenum		0.0476	mg/L	0.0010	95	85	115			
Nickel		0.0519	mg/L	0.0010	104	85	115			
Selenium		0.0515	mg/L	0.0010	103	85	115			
Silver		0.0206	mg/L	0.0010	103	85	115			
Thallium		0.0520	mg/L	0.0010	104	85	115			
Uranium		0.0514	mg/L	0.00030	103	85	115			
Vanadium		0.0494	mg/L	0.0010	99	85	115			
Zinc		0.0544	mg/L	0.0010	109	85	115			
Sample ID: C12070448-008BMS	17	Sample Matrix Spike			Run: ICPMS4-C_120801A			08/01/12 16:07		
Arsenic		0.0589	mg/L	0.0010	117	70	130			
Beryllium		0.0508	mg/L	0.0010	102	70	130			
Cadmium		0.0515	mg/L	0.0010	103	70	130			
Chromium		0.0560	mg/L	0.0010	112	70	130			
Cobalt		0.0567	mg/L	0.0010	112	70	130			
Copper		0.0532	mg/L	0.0010	106	70	130			
Lead		0.0574	mg/L	0.0010	115	70	130			
Manganese		0.0590	mg/L	0.0010	118	70	130			
Mercury		0.00537	mg/L	0.0010	107	70	130			
Molybdenum		0.0554	mg/L	0.0010	104	70	130			
Nickel		0.0550	mg/L	0.0010	108	70	130			
Selenium		0.135	mg/L	0.0010	119	70	130			
Silver		0.0165	mg/L	0.0010	83	70	130			
Thallium		0.0578	mg/L	0.0010	115	70	130			
Uranium		0.0692	mg/L	0.00030	121	70	130			
Vanadium		0.0563	mg/L	0.0010	112	70	130			
Zinc		0.0538	mg/L	0.0010	107	70	130			
Sample ID: C12070448-008BMSD	17	Sample Matrix Spike Duplicate			Run: ICPMS4-C_120801A			08/01/12 16:12		
Arsenic		0.0573	mg/L	0.0010	114	70	130	2.7	20	
Beryllium		0.0515	mg/L	0.0010	103	70	130	1.3	20	
Cadmium		0.0519	mg/L	0.0010	104	70	130	0.7	20	
Chromium		0.0544	mg/L	0.0010	109	70	130	2.8	20	
Cobalt		0.0573	mg/L	0.0010	113	70	130	1.1	20	
Copper		0.0515	mg/L	0.0010	103	70	130	3.2	20	
Lead		0.0580	mg/L	0.0010	116	70	130	0.9	20	
Manganese		0.0588	mg/L	0.0010	117	70	130	0.4	20	
Mercury		0.00543	mg/L	0.0010	109	70	130	1.1	20	
Molybdenum		0.0563	mg/L	0.0010	105	70	130	1.6	20	
Nickel		0.0527	mg/L	0.0010	103	70	130	4.2	20	
Selenium		0.135	mg/L	0.0010	118	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Client: Denison Mines USA Corp

Report Date: 08/09/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070448

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: E200.8										Batch: R162678	
Sample ID: C12070448-008BMSD		17 Sample Matrix Spike Duplicate				Run: ICPMS4-C_120801A			08/01/12 16:12		
Silver		0.0163	mg/L	0.0010	81	70	130	1.6	20		
Thallium		0.0583	mg/L	0.0010	116	70	130	0.8	20		
Uranium		0.0695	mg/L	0.00030	122	70	130	0.5	20		
Vanadium		0.0547	mg/L	0.0010	109	70	130	2.9	20		
Zinc		0.0518	mg/L	0.0010	103	70	130	3.7	20		

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Report Date: 08/09/12

Work Order: C12070448

Client: Denison Mines USA Corp

Project: 3rd Quarter Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R161946
Sample ID: MBLK-1		Method Blank								07/16/12 11:07
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.10						
Sample ID: LCS-2		Laboratory Control Sample								07/16/12 11:10
Nitrogen, Nitrate+Nitrite as N		2.56	mg/L	0.10	102	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank								07/16/12 11:12
Nitrogen, Nitrate+Nitrite as N		1.85	mg/L	0.10	94	90	110			
Sample ID: C12070448-003CMS		Sample Matrix Spike								07/16/12 11:52
Nitrogen, Nitrate+Nitrite as N		2.01	mg/L	0.10	103	90	110			
Sample ID: C12070448-003CMSD		Sample Matrix Spike Duplicate								07/16/12 11:55
Nitrogen, Nitrate+Nitrite as N		2.03	mg/L	0.10	104	90	110	1.0	10	
Sample ID: C12070452-001CMS		Sample Matrix Spike								07/16/12 12:30
Nitrogen, Nitrate+Nitrite as N		7.43	mg/L	0.20	105	90	110			
Sample ID: C12070452-001CMSD		Sample Matrix Spike Duplicate								07/16/12 12:32
Nitrogen, Nitrate+Nitrite as N		7.38	mg/L	0.20	104	90	110	0.7	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Report Date: 08/09/12

Client: Denison Mines USA Corp

Project: 3rd Quarter Groundwater 2012

Work Order: C12070448

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1										Batch: GA-0547
Sample ID: LCS-GA-0547		Laboratory Control Sample								08/08/12 22:25
Gross Alpha minus Rn & U		20.9	pCi/L	101		70	130			
Sample ID: MB-GA-0547	3	Method Blank								08/08/12 22:25
Gross Alpha minus Rn & U		-0.0401	pCi/L							U
Gross Alpha minus Rn & U Precision (±)		0.174	pCi/L							
Gross Alpha minus Rn & U MDC		0.314	pCi/L							
Sample ID: C12070454-007GMS		Sample Matrix Spike								08/09/12 00:07
Gross Alpha minus Rn & U		37.4	pCi/L	92		70	130			
Sample ID: C12070454-007GMSD		Sample Matrix Spike Duplicate								08/09/12 00:07
Gross Alpha minus Rn & U		38.8	pCi/L	94		70	130	3.7		21.6

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Report Date: 08/09/12

Client: Denison Mines USA Corp

Project: 3rd Quarter Groundwater 2012

Work Order: C12070448

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R162082										
Sample ID: 071812_LCS_4	16	Laboratory Control Sample			Run: SATURNCA_120718C			07/18/12 11:07		
Acetone		97	ug/L	20	97	70	130			
Benzene		9.3	ug/L	1.0	93	70	130			
Carbon tetrachloride		8.5	ug/L	1.0	85	70	130			
Chloroform		9.4	ug/L	1.0	94	70	130			
Chloromethane		8.9	ug/L	1.0	89	70	130			
m+p-Xylenes		19	ug/L	1.0	94	70	130			
Methyl ethyl ketone		98	ug/L	20	98	70	130			
Methylene chloride		10	ug/L	1.0	101	70	130			
Naphthalene		10	ug/L	1.0	102	70	130			
o-Xylene		10.0	ug/L	1.0	100	70	130			
Toluene		10	ug/L	1.0	101	70	130			
Xylenes, Total		29	ug/L	1.0	96	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	106	80	120			
Surr: Dibromofluoromethane				1.0	86	70	130			
Surr: p-Bromofluorobenzene				1.0	87	80	130			
Surr: Toluene-d8				1.0	104	80	120			
Sample ID: 071812_MBLK_6	16	Method Blank			Run: SATURNCA_120718C			07/18/12 12:20		
Acetone		ND	ug/L	20						
Benzene		ND	ug/L	1.0						
Carbon tetrachloride		ND	ug/L	1.0						
Chloroform		ND	ug/L	1.0						
Chloromethane		ND	ug/L	1.0						
m+p-Xylenes		ND	ug/L	1.0						
Methyl ethyl ketone		ND	ug/L	20						
Methylene chloride		ND	ug/L	1.0						
Naphthalene		ND	ug/L	1.0						
o-Xylene		ND	ug/L	1.0						
Toluene		ND	ug/L	1.0						
Xylenes, Total		ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4				1.0	98	80	120			
Surr: Dibromofluoromethane				1.0	88	70	130			
Surr: p-Bromofluorobenzene				1.0	79	80	120			S
Surr: Toluene-d8				1.0	96	80	120			
Sample ID: C12070337-004AMS	16	Sample Matrix Spike			Run: SATURNCA_120718C			07/18/12 18:50		
Acetone		1800	ug/L	200	88	70	130			
Benzene		170	ug/L	10	87	70	130			
Carbon tetrachloride		160	ug/L	10	81	70	130			
Chloroform		170	ug/L	10	84	70	130			
Chloromethane		160	ug/L	10	80	70	130			
m+p-Xylenes		330	ug/L	10	82	70	130			
Methyl ethyl ketone		1800	ug/L	200	90	70	130			
Methylene chloride		180	ug/L	10	90	70	130			
Naphthalene		160	ug/L	10	80	70	130			

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Client: Denison Mines USA Corp

Report Date: 08/09/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070448

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R162082										
Sample ID: C12070337-004AMS	16	Sample Matrix Spike			Run: SATURNCA_120718C				07/18/12 18:50	
o-Xylene		180	ug/L	10	88	70	130			
Toluene		170	ug/L	10	86	70	130			
Xylenes, Total		500	ug/L	10	84	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	92	80	120			
Surr: Dibromofluoromethane				1.0	88	70	130			
Surr: p-Bromofluorobenzene				1.0	82	80	120			
Surr: Toluene-d8				1.0	98	80	120			
Sample ID: C12070337-004AMSD	16	Sample Matrix Spike Duplicate			Run: SATURNCA_120718C				07/18/12 19:26	
Acetone		2100	ug/L	200	105	70	130	18	20	
Benzene		190	ug/L	10	94	70	130	7.5	20	
Carbon tetrachloride		200	ug/L	10	98	70	130	19	20	
Chloroform		190	ug/L	10	95	70	130	12	20	
Chloromethane		190	ug/L	10	93	70	130	14	20	
m+p-Xylenes		380	ug/L	10	95	70	130	15	20	
Methyl ethyl ketone		1900	ug/L	200	97	70	130	7.7	20	
Methylene chloride		210	ug/L	10	106	70	130	16	20	
Naphthalene		200	ug/L	10	102	70	130	25	20	R
o-Xylene		190	ug/L	10	96	70	130	8.2	20	
Toluene		180	ug/L	10	88	70	130	2.3	20	
Xylenes, Total		570	ug/L	10	96	70	130	13	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	105	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	94	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	100	80	120	0.0	10	
Surr: Toluene-d8				1.0	90	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

R - RPD exceeds advisory limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Client: Denison Mines USA Corp

Report Date: 08/09/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070448

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R162128										
Sample ID: C12070448-009EMS	16	Sample Matrix Spike								
										Run: SATURNCA_120719A
										07/19/12 19:19
Acetone		1400	ug/L	200	72	70	130			
Benzene		160	ug/L	10	79	70	130			
Carbon tetrachloride		150	ug/L	10	75	70	130			
Chloroform		160	ug/L	10	78	70	130			
Chloromethane		140	ug/L	10	71	70	130			
m+p-Xylenes		320	ug/L	10	80	70	130			
Methyl ethyl ketone		1600	ug/L	200	82	70	130			
Methylene chloride		170	ug/L	10	84	70	130			
Naphthalene		170	ug/L	10	86	70	130			
o-Xylene		160	ug/L	10	82	70	130			
Toluene		160	ug/L	10	78	70	130			
Xylenes, Total		480	ug/L	10	80	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	98	80	120			
Surr: Dibromofluoromethane				1.0	87	70	130			
Surr: p-Bromofluorobenzene				1.0	85	80	120			
Surr: Toluene-d8				1.0	95	80	120			
Sample ID: C12070448-009EMSD										
	16	Sample Matrix Spike Duplicate								
										Run: SATURNCA_120719A
										07/19/12 19:56
Acetone		1600	ug/L	200	82	70	130	12	20	
Benzene		180	ug/L	10	90	70	130	13	20	
Carbon tetrachloride		170	ug/L	10	84	70	130	12	20	
Chloroform		180	ug/L	10	92	70	130	16	20	
Chloromethane		180	ug/L	10	88	70	130	21	20	R
m+p-Xylenes		350	ug/L	10	89	70	130	10	20	
Methyl ethyl ketone		1800	ug/L	200	89	70	130	7.9	20	
Methylene chloride		190	ug/L	10	96	70	130	13	20	
Naphthalene		190	ug/L	10	94	70	130	9.3	20	
o-Xylene		180	ug/L	10	92	70	130	12	20	
Toluene		180	ug/L	10	90	70	130	14	20	
Xylenes, Total		540	ug/L	10	90	70	130	11	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	92	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	87	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	88	80	120	0.0	10	
Surr: Toluene-d8				1.0	93	80	120	0.0	10	
Sample ID: 071912_LCS_7										
	16	Laboratory Control Sample								
										Run: SATURNCA_120719A
										07/19/12 13:33
Acetone		92	ug/L	20	92	70	130			
Benzene		8.8	ug/L	1.0	88	70	130			
Carbon tetrachloride		8.2	ug/L	1.0	82	70	130			
Chloroform		8.5	ug/L	1.0	85	70	130			
Chloromethane		8.2	ug/L	1.0	82	70	130			
m+p-Xylenes		18	ug/L	1.0	91	70	130			
Methyl ethyl ketone		91	ug/L	20	91	70	130			
Methylene chloride		9.4	ug/L	1.0	94	70	130			
Naphthalene		10	ug/L	1.0	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

R - RPD exceeds advisory limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Report Date: 08/09/12

Client: Denison Mines USA Corp

Work Order: C12070448

Project: 3rd Quarter Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R162128										
Sample ID: 071912_LCS_7	16	Laboratory Control Sample					Run: SATURNCA_120719A		07/19/12 13:33	
o-Xylene		9.3	ug/L	1.0	93	70	130			
Toluene		9.0	ug/L	1.0	90	70	130			
Xylenes, Total		27	ug/L	1.0	92	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	104	80	120			
Surr: Dibromofluoromethane				1.0	88	70	130			
Surr: p-Bromofluorobenzene				1.0	88	80	130			
Surr: Toluene-d8				1.0	101	80	120			
Sample ID: 071912_MBLK_9										
16 Method Blank										
Run: SATURNCA_120719A										
07/19/12 14:47										
Acetone		ND	ug/L	20						
Benzene		ND	ug/L	1.0						
Carbon tetrachloride		ND	ug/L	1.0						
Chloroform		ND	ug/L	1.0						
Chloromethane		ND	ug/L	1.0						
m+p-Xylenes		ND	ug/L	1.0						
Methyl ethyl ketone		ND	ug/L	20						
Methylene chloride		ND	ug/L	1.0						
Naphthalene		ND	ug/L	1.0						
o-Xylene		ND	ug/L	1.0						
Toluene		ND	ug/L	1.0						
Xylenes, Total		ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4				1.0	99	80	120			
Surr: Dibromofluoromethane				1.0	86	70	130			
Surr: p-Bromofluorobenzene				1.0	81	80	120			
Surr: Toluene-d8				1.0	98	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Client: Denison Mines USA Corp

Report Date: 08/09/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070448

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: SW8260B											
Batch: R162289											
Sample ID: C12070468-001EMS	16	Sample Matrix Spike		Run: SATURNCA_120723B				07/23/12 21:14			
Acetone		1400	ug/L	200	69	70	130			S	
Benzene		180	ug/L	10	91	70	130				
Carbon tetrachloride		170	ug/L	10	84	70	130				
Chloroform		180	ug/L	10	90	70	130				
Chloromethane		180	ug/L	10	92	70	130				
m+p-Xylenes		380	ug/L	10	96	70	130				
Methyl ethyl ketone		1600	ug/L	200	79	70	130				
Methylene chloride		180	ug/L	10	92	70	130				
Naphthalene		190	ug/L	10	93	70	130				
o-Xylene		190	ug/L	10	96	70	130				
Toluene		180	ug/L	10	88	70	130				
Xylenes, Total		580	ug/L	10	96	70	130				
Surr: 1,2-Dichlorobenzene-d4				1.0	98	80	120				
Surr: Dibromofluoromethane				1.0	88	70	130				
Surr: p-Bromofluorobenzene				1.0	91	80	120				
Surr: Toluene-d8				1.0	96	80	120				
Sample ID: C12070468-001EMSD	16	Sample Matrix Spike Duplicate		Run: SATURNCA_120723B				07/23/12 21:50			
Acetone		1400	ug/L	200	68	70	130	1.7	20	S	
Benzene		160	ug/L	10	82	70	130	11	20		
Carbon tetrachloride		170	ug/L	10	83	70	130	1.0	20		
Chloroform		160	ug/L	10	80	70	130	12	20		
Chloromethane		180	ug/L	10	91	70	130	1.3	20		
m+p-Xylenes		340	ug/L	10	85	70	130	12	20		
Methyl ethyl ketone		1500	ug/L	200	73	70	130	7.9	20		
Methylene chloride		170	ug/L	10	87	70	130	5.4	20		
Naphthalene		170	ug/L	10	86	70	130	8.0	20		
o-Xylene		170	ug/L	10	86	70	130	11	20		
Toluene		170	ug/L	10	83	70	130	6.1	20		
Xylenes, Total		510	ug/L	10	85	70	130	12	20		
Surr: 1,2-Dichlorobenzene-d4				1.0	98	80	120	0.0	10		
Surr: Dibromofluoromethane				1.0	87	70	130	0.0	10		
Surr: p-Bromofluorobenzene				1.0	86	80	120	0.0	10		
Surr: Toluene-d8				1.0	95	80	120	0.0	10		
Sample ID: 072312_LCS_4	16	Laboratory Control Sample		Run: SATURNCA_120723B				07/23/12 13:08			
Acetone		91	ug/L	20	91	70	130				
Benzene		8.6	ug/L	1.0	86	70	130				
Carbon tetrachloride		7.9	ug/L	1.0	79	70	130				
Chloroform		8.4	ug/L	1.0	84	70	130				
Chloromethane		8.9	ug/L	1.0	89	70	130				
m+p-Xylenes		17	ug/L	1.0	83	70	130				
Methyl ethyl ketone		97	ug/L	20	97	70	130				
Methylene chloride		9.5	ug/L	1.0	95	70	130				
Naphthalene		9.2	ug/L	1.0	92	70	130				

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 08/10/12

Report Date: 08/09/12

Work Order: C12070448

Client: Denison Mines USA Corp

Project: 3rd Quarter Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R162289										
Sample ID: 072312_LCS_4	16	Laboratory Control Sample			Run: SATURNCA_120723B			07/23/12 13:08		
o-Xylene		8.7	ug/L	1.0	87	70	130			
Toluene		8.4	ug/L	1.0	84	70	130			
Xylenes, Total		25	ug/L	1.0	85	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	100	80	120			
Surr: Dibromofluoromethane				1.0	88	70	130			
Surr: p-Bromofluorobenzene				1.0	82	80	130			
Surr: Toluene-d8				1.0	95	80	120			
Sample ID: 072312_MBLK_6	16	Method Blank			Run: SATURNCA_120723B			07/23/12 14:21		
Acetone		ND	ug/L	20						
Benzene		ND	ug/L	1.0						
Carbon tetrachloride		ND	ug/L	1.0						
Chloroform		ND	ug/L	1.0						
Chloromethane		ND	ug/L	1.0						
m+p-Xylenes		ND	ug/L	1.0						
Methyl ethyl ketone		ND	ug/L	20						
Methylene chloride		ND	ug/L	1.0						
Naphthalene		ND	ug/L	1.0						
o-Xylene		ND	ug/L	1.0						
Toluene		ND	ug/L	1.0						
Xylenes, Total		ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4				1.0	94	80	120			
Surr: Dibromofluoromethane				1.0	84	70	130			
Surr: p-Bromofluorobenzene				1.0	78	80	120			S
Surr: Toluene-d8				1.0	94	80	120			

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

Standard Reporting Procedures

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Workorder Receipt Checklist

Denison Mines USA Corp

C12070448

Login completed by: Kathryn (Kate) L. Miller

Date Received: 7/13/2012

Reviewed by: BL2000\kschroeder

Received by: dw

Reviewed Date: 7/18/2012

Carrier FedEx
name:

- | | | | |
|---|---|-----------------------------|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time?
(Exclude analyses that are considered field parameters
such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 2.0°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

None



Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name: Denison Mines	Project Name, PWS, Permit, Etc. 3rd Quarter Ground Water 2012	Sample Origin State: UT	EPA/State Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: Pc Box 809 Blanding UT 84511	Contact Name: Garrin Palmer	Phone/Fax: 435 678 2221	Email: Tanner Holliday
Invoice Address: Same	Invoice Contact & Phone: David Turk 435 678 2221	Purchase Order:	Quote/Bottle Order:

Special Report/Formats: <input type="checkbox"/> DW <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC			Number of Containers Sample Type: A W S V B O DW Air Water Solids/Solids Vegetation Bioassay Other DW - Drinking Water	ANALYSIS REQUESTED										SEE ATTACHED Standard Turnaround (TAT)	R U S H	Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page	Shipped by: Fede E Cooler ID(s): Client
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)				Collection Date	Collection Time	MATRIX	Quote # C1640	Gross Alpha	Iron								
																Custody Seal On Bottle <input checked="" type="checkbox"/> Y <input type="checkbox"/> N On Cooler <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Intact <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Signature Match <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
																LABORATORY USE ONLY	
1 MW-29-07102012			7/10/12	1345	1-W			X									
2 MW-32-07092012			7/9/12	1315	1-W		X										
3 MW-11-07112012			7/11/12	1210	6-W	X											
4 MW-14-07112012			7/11/12	1235	6-W	X											
5 MW-25-07102012			7/10/12	1220	6-W	X											
6 MW-26-07112012			7/11/12	0951	6-W	X											
7 MW-30-07102012			7/10/12	1100	6-W	X											
8 MW-31-07092012			7/9/12	1335	6-W	X											
9 MW-35-07102012			7/10/12	1410	6-W	X											
10 MW-36-07112012			7/11/12	0915	6-W	X											

Custody Record MUST be Signed	Relinquished by (print): Tanner Holliday	Date/Time: 7/12/2012 0800	Signature: <i>Tanner Holliday</i>	Received by (print):	Date/Time:	Signature:
	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Sample Disposal: Return to Client:	Lab Disposal:	Received by Laboratory: DJ Williams	Date/Time: 7-13-12	Signature: 1030	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

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Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
Report Mail Address:	Contact Name:	State:	Yes <input type="checkbox"/> No <input type="checkbox"/>
Invoice Address:	Phone/Fax:	Email:	Sampler: (Please Print)
	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

Same as Page 1

Special Report/Formats:			ANALYSIS REQUESTED	SEE ATTACHED	Standard Turnaround (TAT)	R U S H	Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page	Shipped by: <u>FedEx</u>
<input type="checkbox"/> DW <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> LEVEL IV <input type="checkbox"/> State: _____ <input type="checkbox"/> NELAC <input type="checkbox"/> Other: _____							Comments:	Client
Number of Containers: _____ Sample Type: <input type="checkbox"/> A <input type="checkbox"/> W <input type="checkbox"/> S <input type="checkbox"/> V <input type="checkbox"/> B <input type="checkbox"/> O <input type="checkbox"/> DW <input type="checkbox"/> Air <input type="checkbox"/> Water <input type="checkbox"/> Solids/Solids <input type="checkbox"/> Vegetation <input type="checkbox"/> Bioassay <input type="checkbox"/> Other <input type="checkbox"/> DW - Drinking Water			Quote # <u>C1640</u>				Receipt Temp: <u>2.0 °C</u>	On Ice: <input checked="" type="checkbox"/> N
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) Collection Date Collection Time MATRIX								Custody Seal: On Bottle <input type="checkbox"/> N, On Cooler <input type="checkbox"/> N
1 MW-65-07112012			7/11/12	0951	6-W	X		Intact <input type="checkbox"/> Y, Signature Match <input type="checkbox"/> Y
2 Trip Blank 6700			7/9/12		3			LABORATORY USE ONLY
3 Temp Blank								
4								
5								
6								
7								
8								
9								
10								

Custody Record MUST be Signed	Relinquished by (print): <u>Tanner Holliday</u> Date/Time: <u>7/12/2012 0800</u> Signature: <u>Tanner Holliday</u>	Received by (print): _____ Date/Time: _____ Signature: _____
	Relinquished by (print): _____ Date/Time: _____ Signature: _____	Received by (print): _____ Date/Time: _____ Signature: _____
	Sample Disposal: _____ Return to Client: _____ Lab Disposal: _____	Received by Laboratory: <u>[Signature]</u> Date/Time: <u>7-13-12</u> Signature: <u>1038</u>

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.enerlab.com for additional information, downloadable fee schedule, forms, and links.

Page 2 of 2

ANALYTICAL SUMMARY REPORT

August 14, 2012

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12070741 Quote ID: C1640 - POC Wells

Project Name: 3rd Quarter Groundwater 2012

Energy Laboratories, Inc. Casper WY received the following 14 samples for Denison Mines USA Corp on 7/20/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12070741-001	MW-02_07162012	07/16/12 12:45	07/20/12	Aqueous	Gross Alpha minus Rn222 and Uranium
C12070741-002	MW-03_07182012	07/18/12 9:55	07/20/12	Aqueous	Fluoride Metals by ICP-MS, Dissolved
C12070741-003	MW-03A_07192012	07/19/12 7:00	07/20/12	Aqueous	E300.0 Anions Metals by ICP-MS, Dissolved Solids, Total Dissolved
C12070741-004	MW-05_07162012	07/16/12 14:55	07/20/12	Aqueous	Metals by ICP-MS, Dissolved
C12070741-005	MW-12_07172012	07/17/12 9:40	07/20/12	Aqueous	Same As Above
C12070741-006	MW-15_07172012	07/17/12 10:50	07/20/12	Aqueous	Metals by ICP, Dissolved Metals by ICP-MS, Dissolved
C12070741-007	MW-18_07182012	07/18/12 13:15	07/20/12	Aqueous	E300.0 Anions Metals by ICP-MS, Dissolved Solids, Total Dissolved
C12070741-008	MW-19_07192012	07/19/12 8:00	07/20/12	Aqueous	Nitrogen, Nitrate + Nitrite
C12070741-009	MW-70_07182012	07/18/12 9:55	07/20/12	Aqueous	Fluoride Metals by ICP-MS, Dissolved
C12070741-010	MW-23_07172012	07/17/12 7:32	07/20/12	Aqueous	Metals by ICP-MS, Dissolved
C12070741-011	MW-24_07182012	07/18/12 6:30	07/20/12	Aqueous	Same As Above
C12070741-012	MW-27_07162012	07/16/12 11:15	07/20/12	Aqueous	E300.0 Anions Nitrogen, Nitrate + Nitrite Gross Alpha minus Rn222 and Uranium Solids, Total Dissolved
C12070741-013	MW-28_07162012	07/16/12 10:35	07/20/12	Aqueous	E300.0 Anions
C12070741-014	Temp Blank	07/19/12 0:00	07/20/12	Aqueous	Temperature

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

Stephanie D Waldrop
Reporting Supervisor

Digitally signed by
Stephanie Waldrop
Date: 2012.08.14 12:04:16 -06:00

CLIENT: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012
Sample Delivery Group: C12070741

Report Date: 08/14/12

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS

Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001, Radiochemical WY200002; Utah: WY00002; Virginia: 00057; Washington: C836

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp

Report Date: 08/14/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070741

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: TDS120723A		
Sample ID: MB-1_120723A		Method Blank					Run: BAL-1_120723A			07/23/12 08:22
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	10						
Sample ID: LCS-2_120723A		Laboratory Control Sample					Run: BAL-1_120723A			07/23/12 08:22
Solids, Total Dissolved TDS @ 180 C		1100	mg/L	10	99	90	110			
Sample ID: C12070741-003A DUP		Sample Duplicate					Run: BAL-1_120723A			07/23/12 09:20
Solids, Total Dissolved TDS @ 180 C		5880	mg/L	10				2.7	5	
Sample ID: C12070741-007A MS		Sample Matrix Spike					Run: BAL-1_120723A			07/23/12 09:20
Solids, Total Dissolved TDS @ 180 C		7300	mg/L	10	102	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: 3rd Quarter Groundwater 2012

Report Date: 08/14/12
Work Order: C12070741

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-F C										Batch: R162238
Sample ID: MBLK		Method Blank								Run: MANTECH_120723A
Fluoride		ND	mg/L	0.10						07/23/12 08:31
Sample ID: LCS-6892		Laboratory Control Sample								Run: MANTECH_120723A
Fluoride		1.89	mg/L	0.10	92	90	110			07/23/12 08:35
Sample ID: C12070726-001AMS		Sample Matrix Spike								Run: MANTECH_120723A
Fluoride		6.44	mg/L	0.10	98	80	120			07/23/12 12:12
Sample ID: C12070726-001AMSD		Sample Matrix Spike Duplicate								Run: MANTECH_120723A
Fluoride		6.56	mg/L	0.10	104	80	120	1.8	10	07/23/12 12:16

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp

Report Date: 08/14/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070741

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Analytical Run: ICP2-C_120723A
Sample ID: ICV		Initial Calibration Verification Standard								07/23/12 11:35
Iron		5.15	mg/L	0.030	103	95	105			
Sample ID: ICSA		Interference Check Sample A								07/23/12 12:15
Iron		185	mg/L	0.030	93	80	120			
Sample ID: ICSAB		Interference Check Sample AB								07/23/12 12:19
Iron		185	mg/L	0.030	93	80	120			
Method: E200.7										Batch: R162266
Sample ID: MB-120723A		Method Blank								07/23/12 12:39
Iron		ND	mg/L	0.030						Run: ICP2-C_120723A
Sample ID: LFB-120723A		Laboratory Fortified Blank								07/23/12 12:43
Iron		0.906	mg/L	0.030	90	85	115			Run: ICP2-C_120723A
Sample ID: C12070662-001BMS2		Sample Matrix Spike								07/23/12 16:45
Iron		46.1	mg/L	0.064	90	70	130			Run: ICP2-C_120723A
Sample ID: C12070662-001BMSD		Sample Matrix Spike Duplicate								07/23/12 16:49
Iron		46.8	mg/L	0.064	92	70	130	1.6	20	Run: ICP2-C_120723A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp

Report Date: 08/14/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070741

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: E200.8		Analytical Run: ICPMS4-C_120805A									
Sample ID: ICV	4	Initial Calibration Verification Standard								08/05/12 00:45	
Cadmium		0.0519	mg/L	0.0010	104	90	110				
Selenium		0.0513	mg/L	0.0010	103	90	110				
Thallium		0.0513	mg/L	0.0010	103	90	110				
Uranium		0.0517	mg/L	0.00030	103	90	110				
Method: E200.8		Batch: R162835									
Sample ID: LRB	4	Method Blank								Run: ICPMS4-C_120805A	08/05/12 01:20
Cadmium		ND	mg/L	0.00050							
Selenium		ND	mg/L	0.0050							
Thallium		ND	mg/L	0.00050							
Uranium		ND	mg/L	0.00030							
Sample ID: LFB	4	Laboratory Fortified Blank								Run: ICPMS4-C_120805A	08/05/12 01:25
Cadmium		0.0522	mg/L	0.0010	104	85	115				
Selenium		0.0534	mg/L	0.0010	107	85	115				
Thallium		0.0520	mg/L	0.0010	104	85	115				
Uranium		0.0520	mg/L	0.00030	104	85	115				
Sample ID: C12070456-007CMS4	4	Sample Matrix Spike								Run: ICPMS4-C_120805A	08/05/12 14:53
Cadmium		0.0470	mg/L	0.0010	94	70	130				
Selenium		0.0550	mg/L	0.0010	110	70	130				
Thallium		0.0572	mg/L	0.00050	114	70	130				
Uranium		0.0706	mg/L	0.00030	119	70	130				
Sample ID: C12070456-007CMSD	4	Sample Matrix Spike Duplicate								Run: ICPMS4-C_120805A	08/05/12 14:57
Cadmium		0.0449	mg/L	0.0010	90	70	130	4.5	20		
Selenium		0.0507	mg/L	0.0010	101	70	130	8.1	20		
Thallium		0.0553	mg/L	0.00050	111	70	130	3.3	20		
Uranium		0.0685	mg/L	0.00030	115	70	130	3.0	20		
Method: E200.8		Analytical Run: ICPMS4-C_120806A									
Sample ID: ICV		Initial Calibration Verification Standard								08/06/12 11:36	
Thallium		0.0514	mg/L	0.0010	103	90	110				
Method: E200.8		Batch: R162953									
Sample ID: LRB		Method Blank								Run: ICPMS4-C_120806A	08/06/12 12:17
Thallium		ND	mg/L	0.00050							
Sample ID: LFB		Laboratory Fortified Blank								Run: ICPMS4-C_120806A	08/06/12 12:21
Thallium		0.0514	mg/L	0.0010	103	85	115				
Sample ID: C12070971-006CMS4		Sample Matrix Spike								Run: ICPMS4-C_120806A	08/07/12 14:58
Thallium		0.0531	mg/L	0.00050	106	70	130				
Sample ID: C12070971-006CMSD		Sample Matrix Spike Duplicate								Run: ICPMS4-C_120806A	08/07/12 15:02
Thallium		0.0524	mg/L	0.00050	105	70	130	1.3	20		

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp

Report Date: 08/14/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070741

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Analytical Run: ICPMS4-C_120809A		
Sample ID: ICV Initial Calibration Verification Standard 08/09/12 10:18										
Manganese		0.0506	mg/L	0.0010	101	90	110			
Method: E200.8								Batch: R163100		
Sample ID: LRB Method Blank Run: ICPMS4-C_120809A 08/09/12 10:53										
Manganese		ND	mg/L	0.0010						
Sample ID: LFB Laboratory Fortified Blank Run: ICPMS4-C_120809A 08/09/12 10:58										
Manganese		0.0529	mg/L	0.0010	106	85	115			
Sample ID: C12080099-027BMS4 Sample Matrix Spike Run: ICPMS4-C_120809A 08/10/12 03:42										
Manganese		0.446	mg/L	0.0010		70	130			A
Sample ID: C12080099-027BMSD Sample Matrix Spike Duplicate Run: ICPMS4-C_120809A 08/10/12 03:46										
Manganese		0.446	mg/L	0.0010		70	130	0.0	20	A
Method: E200.8								Analytical Run: ICPMS4-C_120813A		
Sample ID: ICV Initial Calibration Verification Standard 08/13/12 11:46										
Selenium		0.0524	mg/L	0.0010	105	90	110			
Method: E200.8								Batch: R163189		
Sample ID: LRB Method Blank Run: ICPMS4-C_120813A 08/13/12 12:21										
Selenium		ND	mg/L	0.0050						
Sample ID: LFB Laboratory Fortified Blank Run: ICPMS4-C_120813A 08/13/12 12:26										
Selenium		0.0535	mg/L	0.0010	107	85	115			
Sample ID: C12070781-001BMS4 Sample Matrix Spike Run: ICPMS4-C_120813A 08/13/12 12:39										
Selenium		0.0502	mg/L	0.0010	100	70	130			
Sample ID: C12070781-001BMSD Sample Matrix Spike Duplicate Run: ICPMS4-C_120813A 08/13/12 12:44										
Selenium		0.0516	mg/L	0.0010	103	70	130	2.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp

Report Date: 08/14/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070741

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0								Analytical Run: IC1-C_120725A		
Sample ID: ICV-072512-10	2	Initial Calibration Verification Standard								07/25/12 15:04
Chloride		9.85	mg/L	1.0	98	90	110			
Sulfate		40.3	mg/L	1.0	101	90	110			
Method: E300.0								Batch: R162404		
Sample ID: ICB-072512-11	2	Method Blank								07/25/12 15:22
Chloride		ND	mg/L	1.0						
Sulfate		ND	mg/L	20						
Sample ID: LFB-072512-13	2	Laboratory Fortified Blank								07/25/12 15:57
Chloride		9.77	mg/L	1.0	98	90	110			
Sulfate		40.1	mg/L	1.0	100	90	110			
Sample ID: LFB-072512-14	2	Laboratory Fortified Blank Duplicate								07/25/12 16:14
Chloride		9.92	mg/L	1.0	99	90	110			
Sulfate		40.9	mg/L	1.0	102	90	110			
Sample ID: C12070713-013AMS	2	Sample Matrix Spike								07/25/12 20:53
Chloride		239	mg/L	4.2	98	90	110			
Sulfate		3220	mg/L	17	104	90	110			
Sample ID: C12070713-013AMSD	2	Sample Matrix Spike Duplicate								07/25/12 21:10
Chloride		241	mg/L	4.2	99	90	110	1.1	10	
Sulfate		3210	mg/L	17	102	90	110	0.4	10	
Method: E300.0								Analytical Run: IC1-C_120727A		
Sample ID: ICV-072712-10		Initial Calibration Verification Standard								07/27/12 10:32
Chloride		9.04	mg/L	1.0	90	90	110			
Method: E300.0								Batch: R162492		
Sample ID: ICB-072712-11		Method Blank								07/27/12 10:49
Chloride		ND	mg/L	1.0						
Sample ID: LFB-072712-12		Laboratory Fortified Blank								07/27/12 11:07
Chloride		9.08	mg/L	1.0	91	90	110			
Sample ID: C12070800-002AMS		Sample Matrix Spike								07/27/12 12:16
Chloride		389	mg/L	2.1	97	90	110			
Sample ID: C12070800-002AMSD		Sample Matrix Spike Duplicate								07/27/12 12:34
Chloride		382	mg/L	2.1	91	90	110	1.7	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp

Report Date: 08/14/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070741

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R162361
Sample ID: MBLK-1		Method Blank								Run: TECHNICON_120725A 07/25/12 11:34
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.20						
Sample ID: LCS-2		Laboratory Control Sample								Run: TECHNICON_120725A 07/25/12 11:37
Nitrogen, Nitrate+Nitrite as N		2.49	mg/L	0.10	100	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank								Run: TECHNICON_120725A 07/25/12 11:39
Nitrogen, Nitrate+Nitrite as N		2.12	mg/L	0.10	108	90	110			
Sample ID: C12070741-012CMS		Sample Matrix Spike								Run: TECHNICON_120725A 07/25/12 14:44
Nitrogen, Nitrate+Nitrite as N		17.2	mg/L	0.50	108	90	110			
Sample ID: C12070741-012CMSD		Sample Matrix Spike Duplicate								Run: TECHNICON_120725A 07/25/12 14:47
Nitrogen, Nitrate+Nitrite as N		17.2	mg/L	0.50	108	90	110	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp

Report Date: 08/14/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12070741

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1										Batch: GA-0558
Sample ID: LCS-GA-0551		Laboratory Control Sample								Run: BERTHOLD 770-2_120723B 08/01/12 09:30
Gross Alpha minus Rn & U		22.4	pCi/L	109		70	130			
Sample ID: MB-GA-0551	3	Method Blank								Run: BERTHOLD 770-2_120723B 08/01/12 09:30
Gross Alpha minus Rn & U		0.126	pCi/L							U
Gross Alpha minus Rn & U Precision (±)		0.144	pCi/L							
Gross Alpha minus Rn & U MDC		0.212	pCi/L							
Sample ID: C12070710-006GMS		Sample Matrix Spike								Run: BERTHOLD 770-2_120723B 08/01/12 13:12
Gross Alpha minus Rn & U		42.0	pCi/L	100		70	130			
Sample ID: C12070710-006GMSD		Sample Matrix Spike Duplicate								Run: BERTHOLD 770-2_120723B 08/01/12 13:12
Gross Alpha minus Rn & U		44.7	pCi/L	104		70	130	6.1		19.2

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

Standard Reporting Procedures

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Workorder Receipt Checklist

Denison Mines USA Corp

C12070741

Login completed by: Corinne Wagner

Date Received: 7/20/2012

Reviewed by: BL2000\kschroeder

Received by: th

Reviewed Date: 7/24/2012

Carrier FedEx
name:

- | | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time?
(Exclude analyses that are considered field parameters
such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Container/Temp Blank temperature: | 1.6°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input checked="" type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:



Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name: Denison Mines	Project Name, PWS, Permit, Etc. 3rd Quarter Ground Water 2012	Sample Origin State: UT	EPA/State Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: PO BOX 809 Blanding UT 84511	Contact Name: Garrin Palmer	Phone/Fax: 435 678 2221	Email: Tanner Holliday
Invoice Address: Same	Invoice Contact & Phone: David Turk 435 678 2221	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:			ANALYSIS REQUESTED	Number of Containers Sample Type: A W S V B O DW Air Water Solids/Solids Vegetation Bioassay Other DW - Drinking Water	Gross Alpha Selenium Fluoride TDS Sulfate Uranium Iron Thallium Nitrate + Nitrite SEE ATTACHED	Standard Turnaround (TAT)	R U S H	Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page	Shipped by: Redox-ES Cooler ID(s): Client Receipt Temp 1.6 °C On Ice: <input checked="" type="checkbox"/> N
<input type="checkbox"/> DW <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> State: _____ <input type="checkbox"/> Other: _____	<input type="checkbox"/> EDD/EDT (Electronic Data) Format: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC	Comments:							
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	LABORATORY USE ONLY					
1 MW-02-07162012	7/16/12	1245	1-W	X					
2 MW-03-07182012	7/18/12	0955	2-W		X	X			
3 MW-03A-07192012	7/19/12	0700	2-W		X	X	X		
4 MW-05-07162012	7/16/12	1455	1-W				X		
5 MW-12-07172012	7/17/12	0940	1-W		X				
6 MW-15-07172012	7/17/12	1050	1-W				X		
7 MW-18-07182012	7/18/12	1315	2-W			X	X		X
8 MW-19-07192012	7/19/12	0800	1-W						X
9 MW-70-07182012	7/18/12	0955	2-W		X	X			
10 MW-02-07162012									

Custody Record MUST be Signed	Relinquished by (print): Tanner Holliday	Date/Time: 7/19/2012 1100	Signature: <i>Tanner Holliday</i>	Received by (print):	Date/Time:	Signature:
	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Sample Disposal: Return to Client:	Lab Disposal:	Received by Laboratory: <i>[Signature]</i>	Date/Time: 7-20-12/955	Signature:	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

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Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
Report Mail Address:	Contact Name:	State:	Yes <input type="checkbox"/> No <input type="checkbox"/>
Invoice Address:	Phone/Fax:	Email:	Sampler: (Please Print)
	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

Same as Page 1

Special Report/Formats:			ANALYSIS REQUESTED								Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page Comments:	Shipped by:		
<input type="checkbox"/> DW <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC			Number of Containers Sample Type: A W S V B O DW Air Water Soils/Solids Vegetation Bioassay Other DW - Drinking Water	Manganese	Cadmium	Thallium	Nitrate + Nitrite	Chloride	TDS	Gross Alpha		Sulfate	SEE ATTACHED	Standard Turnaround (TAT) R U S H
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time		MATRIX										
1 MW-23-07172012	7/17/12	0732	1-W	X									On Ice: Y N	
2 MW-24-07182012	7/18/12	0630	1-W		X	X							Custody Seal On Bottle Y N On Cooler Y N	
3 MW-27-07162012	7/16/12	1115	3-W				X	X	X	X			Intact Y N	
4 MW-28-07162012	7/16/12	1035	1-W				X						Signature Match Y N	
5 Temp Blank													LABORATORY USE ONLY	
6														
7														
8														
9														
10														

Custody Record MUST be Signed	Relinquished by (print): <u>Tanner Holliday</u>	Date/Time: <u>7/19/2012 1100</u>	Signature: <u>Tanner Holliday</u>	Received by (print):	Date/Time:	Signature:
	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Sample Disposal:	Return to Client:	Lab Disposal:	Received by Laboratory: <u>[Signature]</u>	Date/Time: <u>7/20/12 955</u>	Signature:

ANALYTICAL SUMMARY REPORT

August 24, 2012

Energy Fuels Resources (USA) Inc
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12080143 Quote ID: C1640 - POC Wells

Project Name: 3rd Quarter Groundwater 2012

Energy Laboratories, Inc. Casper WY received the following 5 samples for Energy Fuels Resources (USA) Inc on 8/3/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12080143-001	MW-28_08012012	08/01/12 14:00	08/03/12	Aqueous	Metals by ICP-MS, Dissolved
C12080143-002	MW-29_08012012	08/01/12 13:10	08/03/12	Aqueous	Metals by ICP-MS, Dissolved Solids, Total Dissolved
C12080143-003	MW-37_07302012	07/30/12 13:40	08/03/12	Aqueous	Alkalinity QA Calculations Fluoride E300.0 Anions Metals by ICP, Dissolved Metals by ICP-MS, Dissolved Nitrogen, Ammonia Nitrogen, Nitrate + Nitrite pH Gross Alpha minus Rn222 and Uranium Solids, Total Dissolved Solids, Total Dissolved - Calculated SW8260B VOCs, Standard List
C12080143-004	Trip Blank	07/30/12 0:00	08/03/12	Aqueous	SW8260B VOCs, Standard List
C12080143-005	Temp Blank	08/02/12 0:00	08/03/12	Aqueous	Temperature

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

Stephanie D Waldrop
Reporting Supervisor

Digitally signed by
Stephanie Waldrop
Date: 2012.08.24 15:43:35 -06:00



CLIENT: Energy Fuels Resources (USA) Inc
Project: 3rd Quarter Groundwater 2012
Sample Delivery Group: C12080143

Report Date: 08/24/12

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS

Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001, Radiochemical WY200002; Utah: WY00002; Virginia: 00057; Washington: C836

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: 3rd Quarter Groundwater 2012
Lab ID: C12080143-003
Client Sample ID: MW-37_07302012

Report Date: 08/24/12
Collection Date: 07/30/12 13:40
Date Received: 08/03/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.23	s.u.	H	0.01		A4500-H B	08/06/12 10:29 / jz

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/24/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080143

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R162889
Sample ID: MBLK	3	Method Blank								Run: MANTECH_120806B 08/06/12 14:23
Alkalinity, Total as CaCO3		ND	mg/L	5.0						
Carbonate as CO3		ND	mg/L	1.0						
Bicarbonate as HCO3		1.52	mg/L	1.0						
Sample ID: LCS-6677		Laboratory Control Sample								Run: MANTECH_120806B 08/06/12 14:39
Alkalinity, Total as CaCO3		206	mg/L	5.0	103	90	110			
Sample ID: C12080120-001ADUP	3	Sample Duplicate								Run: MANTECH_120806B 08/06/12 15:05
Alkalinity, Total as CaCO3		1600	mg/L	5.0				4.5	10	
Carbonate as CO3		754	mg/L	5.0				0.3	10	
Bicarbonate as HCO3		ND	mg/L	5.0					10	
Sample ID: C12080121-001BMS		Sample Matrix Spike								Run: MANTECH_120806B 08/06/12 15:23
Alkalinity, Total as CaCO3		329	mg/L	5.0	96	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/24/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080143

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: TDS120806A		
Sample ID: MB-1_120803A		Method Blank					Run: BAL-1_120806A			08/06/12 13:30
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	10						
Sample ID: LCS-2_120803A		Laboratory Control Sample					Run: BAL-1_120806A			08/06/12 13:30
Solids, Total Dissolved TDS @ 180 C		1100	mg/L	10	99	90	110			
Sample ID: C12080143-002A DUP		Sample Duplicate					Run: BAL-1_120806A			08/06/12 13:30
Solids, Total Dissolved TDS @ 180 C		4480	mg/L	10				1.3	5	
Sample ID: C12080143-003A MS		Sample Matrix Spike					Run: BAL-1_120806A			08/06/12 13:31
Solids, Total Dissolved TDS @ 180 C		7870	mg/L	10	94	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/24/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080143

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-F C										Batch: R162868
Sample ID: MBLK		Method Blank								Run: MANTECH_120806A 08/06/12 09:41
Fluoride		ND	mg/L	0.10						
Sample ID: LCS-6892		Laboratory Control Sample								Run: MANTECH_120806A 08/06/12 09:44
Fluoride		1.93	mg/L	0.10	96	90	110			
Sample ID: C12080142-001AMS		Sample Matrix Spike								Run: MANTECH_120806A 08/06/12 13:12
Fluoride		1.82	mg/L	0.10	88	80	120			
Sample ID: C12080142-001AMSD		Sample Matrix Spike Duplicate								Run: MANTECH_120806A 08/06/12 13:15
Fluoride		1.86	mg/L	0.10	90	80	120	2.2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/24/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080143

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: A4500-H B							Analytical Run: PHSC_101-C_120806A				
Sample ID: pH 6.86		Initial Calibration Verification Standard									
pH		6.84	s.u.	0.010	100	98	102			08/06/12 08:58	
Method: A4500-H B							Batch: R162839				
Sample ID: C12080143-003ADUP		Sample Duplicate									
pH		7.22	s.u.	0.010				0.1		08/06/12 10:31	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/24/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080143

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G										Batch: R163000
Sample ID: MBLK-1		Method Blank								Run: TECHNICON_120808A 08/08/12 11:56
Nitrogen, Ammonia as N		ND	mg/L	0.050						
Sample ID: LCS-2		Laboratory Control Sample								Run: TECHNICON_120808A 08/08/12 11:58
Nitrogen, Ammonia as N		2.05	mg/L	0.050	102	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank								Run: TECHNICON_120808A 08/08/12 12:00
Nitrogen, Ammonia as N		1.93	mg/L	0.050	98	80	120			
Sample ID: C12080142-001EMS		Sample Matrix Spike								Run: TECHNICON_120808A 08/08/12 12:04
Nitrogen, Ammonia as N		1.94	mg/L	0.050	99	90	110			
Sample ID: C12080142-001EMSD		Sample Matrix Spike Duplicate								Run: TECHNICON_120808A 08/08/12 12:06
Nitrogen, Ammonia as N		1.93	mg/L	0.050	98	90	110	0.5	10	

Qualifiers:

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ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/24/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080143

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7		Analytical Run: ICP2-C_120820A								
Sample ID: ICV	5	Initial Calibration Verification Standard								08/20/12 12:02
Calcium		50.8	mg/L	0.50	102	95	105			
Iron		5.15	mg/L	0.030	103	95	105			
Magnesium		50.6	mg/L	0.50	101	95	105			
Potassium		47.3	mg/L	0.50	95	95	105			
Sodium		51.7	mg/L	0.50	103	95	105			
Sample ID: ICSA	5	Interference Check Sample A								08/20/12 12:34
Calcium		504	mg/L	0.50	101	80	120			
Iron		188	mg/L	0.030	94	80	120			
Magnesium		506	mg/L	0.50	101	80	120			
Potassium		0.00170	mg/L	0.50						
Sodium		0.0408	mg/L	0.50						
Sample ID: ICSAB	5	Interference Check Sample AB								08/20/12 12:38
Calcium		508	mg/L	0.50	102	80	120			
Iron		188	mg/L	0.030	94	80	120			
Magnesium		522	mg/L	0.50	104	80	120			
Potassium		0.00270	mg/L	0.50						
Sodium		-0.0536	mg/L	0.50						
Method: E200.7		Batch: R163499								
Sample ID: MB-120820A	5	Method Blank								Run: ICP2-C_120820A 08/20/12 12:58
Calcium		ND	mg/L	0.50						
Iron		ND	mg/L	0.030						
Magnesium		ND	mg/L	0.50						
Potassium		ND	mg/L	0.50						
Sodium		ND	mg/L	2.0						
Sample ID: LFB-120820A	5	Laboratory Fortified Blank								Run: ICP2-C_120820A 08/20/12 13:02
Calcium		49.8	mg/L	0.50	100	85	115			
Iron		0.978	mg/L	0.030	98	85	115			
Magnesium		48.2	mg/L	0.50	96	85	115			
Potassium		45.4	mg/L	0.50	91	85	115			
Sodium		48.9	mg/L	0.50	98	85	115			
Sample ID: C12080143-003BMS2	5	Sample Matrix Spike								Run: ICP2-C_120820A 08/20/12 13:14
Calcium		708	mg/L	0.50	87	70	130			
Iron		5.05	mg/L	0.030	99	70	130			
Magnesium		380	mg/L	0.50	97	70	130			
Potassium		247	mg/L	0.50	91	70	130			
Sodium		799	mg/L	1.6	88	70	130			
Sample ID: C12080143-003BMSD	5	Sample Matrix Spike Duplicate								Run: ICP2-C_120820A 08/20/12 13:18
Calcium		716	mg/L	0.50	90	70	130	1.0	20	
Iron		5.09	mg/L	0.030	100	70	130	0.8	20	
Magnesium		385	mg/L	0.50	99	70	130	1.1	20	

Qualifiers:

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MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/24/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080143

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R163499
Sample ID: C12080143-003BMSD	5	Sample Matrix Spike Duplicate					Run: ICP2-C_120820A			08/20/12 13:18
Potassium		248	mg/L	0.50	91	70	130	0.4		20
Sodium		797	mg/L	1.6	87	70	130	0.3		20

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/24/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080143

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: E200.8									Analytical Run: ICPMS4-C_120820A		
Sample ID: ICV	18 Initial Calibration Verification Standard								08/20/12 10:27		
Arsenic		0.0497	mg/L	0.0010	99	90	110				
Beryllium		0.0496	mg/L	0.0010	99	90	110				
Cadmium		0.0509	mg/L	0.0010	102	90	110				
Chromium		0.0469	mg/L	0.0010	94	90	110				
Cobalt		0.0517	mg/L	0.0010	103	90	110				
Copper		0.0506	mg/L	0.0010	101	90	110				
Lead		0.0487	mg/L	0.0010	97	90	110				
Manganese		0.0502	mg/L	0.0010	100	90	110				
Mercury		0.00506	mg/L	0.0010	101	90	110				
Molybdenum		0.0489	mg/L	0.0010	98	90	110				
Nickel		0.0504	mg/L	0.0010	101	90	110				
Selenium		0.0502	mg/L	0.0010	100	90	110				
Silver		0.0217	mg/L	0.0010	108	90	110				
Thallium		0.0496	mg/L	0.0010	99	90	110				
Tin		0.0497	mg/L	0.0010	99	90	110				
Uranium		0.0496	mg/L	0.00030	99	90	110				
Vanadium		0.0471	mg/L	0.0010	94	90	110				
Zinc		0.0512	mg/L	0.0010	102	90	110				
Method: E200.8									Batch: R163583		
Sample ID: LRB	18 Method Blank								Run: ICPMS4-C_120820A		08/20/12 11:03
Arsenic		ND	mg/L	0.0050							
Beryllium		ND	mg/L	0.00050							
Cadmium		ND	mg/L	0.00050							
Chromium		ND	mg/L	0.020							
Cobalt		ND	mg/L	0.010							
Copper		ND	mg/L	0.010							
Lead		ND	mg/L	0.0010							
Manganese		ND	mg/L	0.010							
Mercury		ND	mg/L	0.00050							
Molybdenum		ND	mg/L	0.010							
Nickel		ND	mg/L	0.020							
Selenium		ND	mg/L	0.0050							
Silver		ND	mg/L	0.010							
Thallium		ND	mg/L	0.00050							
Tin		ND	mg/L	0.10							
Uranium		ND	mg/L	0.00030							
Vanadium		ND	mg/L	0.010							
Zinc		ND	mg/L	0.010							
Sample ID: LFB	18 Laboratory Fortified Blank								Run: ICPMS4-C_120820A		08/20/12 11:07
Arsenic		0.0528	mg/L	0.0010	106	85	115				
Beryllium		0.0509	mg/L	0.0010	102	85	115				
Cadmium		0.0527	mg/L	0.0010	105	85	115				

Qualifiers:

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QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/24/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080143

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: E200.8											
Batch: R163583											
Sample ID: LFB											
18 Laboratory Fortified Blank				Run: ICPMS4-C_120820A				08/20/12 11:07			
Chromium		0.0498	mg/L	0.0010	100	85	115				
Cobalt		0.0530	mg/L	0.0010	106	85	115				
Copper		0.0528	mg/L	0.0010	106	85	115				
Lead		0.0524	mg/L	0.0010	105	85	115				
Manganese		0.0530	mg/L	0.0010	106	85	115				
Mercury		0.00488	mg/L	0.0010	98	85	115				
Molybdenum		0.0508	mg/L	0.0010	101	85	115				
Nickel		0.0526	mg/L	0.0010	105	85	115				
Selenium		0.0525	mg/L	0.0010	105	85	115				
Silver		0.0214	mg/L	0.0010	107	85	115				
Thallium		0.0530	mg/L	0.0010	106	85	115				
Tin		0.0517	mg/L	0.0010	103	85	115				
Uranium		0.0522	mg/L	0.00030	104	85	115				
Vanadium		0.0494	mg/L	0.0010	99	85	115				
Zinc		0.0552	mg/L	0.0010	110	85	115				
Sample ID: C12070995-006BMS4											
18 Sample Matrix Spike				Run: ICPMS4-C_120820A				08/21/12 01:56			
Arsenic		0.0514	mg/L	0.0010	102	70	130				
Beryllium		0.0488	mg/L	0.0010	98	70	130				
Cadmium		0.0487	mg/L	0.0010	97	70	130				
Chromium		0.0517	mg/L	0.0050	98	70	130				
Cobalt		0.0503	mg/L	0.0050	100	70	130				
Copper		0.0472	mg/L	0.0050	94	70	130				
Lead		0.0504	mg/L	0.0010	101	70	130				
Manganese		0.0522	mg/L	0.0010	102	70	130				
Mercury		0.00460	mg/L	0.00010	92	70	130				
Molybdenum		0.0488	mg/L	0.0010	97	70	130				
Nickel		0.0481	mg/L	0.0050	95	70	130				
Selenium		0.136	mg/L	0.0010	94	70	130				
Silver		0.0198	mg/L	0.0010	99	70	130				
Thallium		0.0510	mg/L	0.00050	102	70	130				
Tin		0.0481	mg/L	0.0010	96	70	130				
Uranium		0.119	mg/L	0.00030	100	70	130				
Vanadium		0.0517	mg/L	0.010	100	70	130				
Zinc		0.0503	mg/L	0.010	99	70	130				
Sample ID: C12070995-006BMSD											
18 Sample Matrix Spike Duplicate				Run: ICPMS4-C_120820A				08/21/12 02:01			
Arsenic		0.0515	mg/L	0.0010	102	70	130	0.1	20		
Beryllium		0.0478	mg/L	0.0010	96	70	130	2.0	20		
Cadmium		0.0482	mg/L	0.0010	96	70	130	1.0	20		
Chromium		0.0524	mg/L	0.0050	100	70	130	1.3	20		
Cobalt		0.0501	mg/L	0.0050	100	70	130	0.4	20		
Copper		0.0482	mg/L	0.0050	96	70	130	2.1	20		
Lead		0.0504	mg/L	0.0010	101	70	130	0.0	20		
Manganese		0.0514	mg/L	0.0010	101	70	130	1.4	20		

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/24/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080143

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: R163583		
Sample ID: C12070995-006BMSD				18 Sample Matrix Spike Duplicate		Run: ICPMS4-C_120820A			08/21/12 02:01	
Mercury		0.00484	mg/L	0.00010	97	70	130	5.1	20	
Molybdenum		0.0488	mg/L	0.0010	97	70	130	0.0	20	
Nickel		0.0482	mg/L	0.0050	95	70	130	0.3	20	
Selenium		0.131	mg/L	0.0010	85	70	130	3.5	20	
Silver		0.0204	mg/L	0.0010	102	70	130	3.1	20	
Thallium		0.0512	mg/L	0.00050	102	70	130	0.2	20	
Tin		0.0479	mg/L	0.0010	96	70	130	0.4	20	
Uranium		0.120	mg/L	0.00030	100	70	130	0.1	20	
Vanadium		0.0518	mg/L	0.010	100	70	130	0.2	20	
Zinc		0.0508	mg/L	0.010	100	70	130	0.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/24/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080143

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0								Analytical Run: IC2-C_120808A		
Sample ID: ICV-080812-10	2	Initial Calibration Verification Standard								08/08/12 18:18
Chloride		10.1	mg/L	1.0	101	90	110			
Sulfate		41.0	mg/L	1.0	102	90	110			
Method: E300.0								Batch: R163035		
Sample ID: ICB-080812-11	2	Method Blank								08/08/12 18:35
Chloride		ND	mg/L	4.0						
Sulfate		ND	mg/L	20						
Sample ID: LFB-080812-12	2	Laboratory Fortified Blank								08/08/12 18:53
Chloride		10.1	mg/L	1.0	101	90	110			
Sulfate		40.8	mg/L	1.0	101	90	110			
Sample ID: C12080125-001BMS	2	Sample Matrix Spike								08/08/12 19:45
Chloride		122	mg/L	2.1	100	90	110			
Sulfate		1200	mg/L	8.3	102	90	110			
Sample ID: C12080125-001BMSD	2	Sample Matrix Spike Duplicate								08/08/12 20:02
Chloride		120	mg/L	2.1	98	90	110	1.8	10	
Sulfate		1190	mg/L	8.3	99	90	110	1.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/24/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080143

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R162867
Sample ID: MBLK-1		Method Blank								Run: TECHNICON_120806A 08/06/12 11:43
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.10						
Sample ID: LCS-2		Laboratory Control Sample								Run: TECHNICON_120806A 08/06/12 11:46
Nitrogen, Nitrate+Nitrite as N		2.55	mg/L	0.10	102	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank								Run: TECHNICON_120806A 08/06/12 11:48
Nitrogen, Nitrate+Nitrite as N		2.01	mg/L	0.10	103	90	110			
Sample ID: C12080155-001DMS		Sample Matrix Spike								Run: TECHNICON_120806A 08/06/12 13:06
Nitrogen, Nitrate+Nitrite as N		18.1	mg/L	0.50	102	90	110			
Sample ID: C12080155-001DMSD		Sample Matrix Spike Duplicate								Run: TECHNICON_120806A 08/06/12 13:08
Nitrogen, Nitrate+Nitrite as N		17.8	mg/L	0.50	99	90	110	1.7	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/24/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080143

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1										
Batch: GA-0562										
Sample ID: LCS-GA-0562	Laboratory Control Sample			Run: G5000W_120807A			08/08/12 06:49			
Gross Alpha minus Rn & U	27.4	pCi/L	131	70	130	S				
- LCS response is outside of the acceptance range for this analysis. Since the MB, MS, and MSD are acceptable the batch is approved.										
Sample ID: MB-GA-0562	3	Method Blank		Run: G5000W_120807A			08/08/12 06:49			
Gross Alpha minus Rn & U	-0.242	pCi/L	U							
Gross Alpha minus Rn & U Precision (±)	0.729	pCi/L								
Gross Alpha minus Rn & U MDC	1.34	pCi/L								
Sample ID: C12080110-001HMS	Sample Matrix Spike			Run: G5000W_120807A			08/08/12 06:49			
Gross Alpha minus Rn & U	54.4	pCi/L	119	70	130					
Sample ID: C12080110-001HMSD	Sample Matrix Spike Duplicate			Run: G5000W_120807A			08/08/12 06:49			
Gross Alpha minus Rn & U	50.3	pCi/L	107	70	130	7.9	31			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

S - Spike recovery outside of advisory limits.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/24/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080143

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R162997										
Sample ID: 07-Aug-12_LCS_4	16	Laboratory Control Sample			Run: 5975VOC1_120807B			08/07/12 13:09		
Acetone		73	ug/L	20	73	70	130			
Benzene		11	ug/L	1.0	106	70	130			
Carbon tetrachloride		9.3	ug/L	1.0	93	70	130			
Chloroform		8.7	ug/L	1.0	87	70	130			
Chloromethane		8.9	ug/L	1.0	89	70	130			
m+p-Xylenes		22	ug/L	1.0	108	70	130			
Methyl ethyl ketone		99	ug/L	20	99	70	130			
Methylene chloride		7.2	ug/L	1.0	72	70	130			
Naphthalene		13	ug/L	1.0	127	70	130			
o-Xylene		11	ug/L	1.0	112	70	130			
Toluene		11	ug/L	1.0	108	70	130			
Xylenes, Total		33	ug/L	1.0	109	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	103	80	120			
Surr: Dibromofluoromethane				1.0	102	70	130			
Surr: p-Bromofluorobenzene				1.0	116	80	130			
Surr: Toluene-d8				1.0	115	80	120			
Sample ID: 07-Aug-12_MBLK_7	16	Method Blank			Run: 5975VOC1_120807B			08/07/12 15:29		
Acetone		ND	ug/L	20						
Benzene		ND	ug/L	1.0						
Carbon tetrachloride		ND	ug/L	1.0						
Chloroform		ND	ug/L	1.0						
Chloromethane		ND	ug/L	1.0						
m+p-Xylenes		ND	ug/L	1.0						
Methyl ethyl ketone		ND	ug/L	20						
Methylene chloride		ND	ug/L	1.0						
Naphthalene		ND	ug/L	1.0						
o-Xylene		ND	ug/L	1.0						
Toluene		ND	ug/L	1.0						
Xylenes, Total		ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4				1.0	103	80	120			
Surr: Dibromofluoromethane				1.0	102	70	130			
Surr: p-Bromofluorobenzene				1.0	117	80	120			
Surr: Toluene-d8				1.0	114	80	120			
Sample ID: C12070956-003JMS	16	Sample Matrix Spike			Run: 5975VOC1_120807B			08/07/12 22:15		
Acetone		1500	ug/L	200	76	70	130			
Benzene		200	ug/L	10	97	70	130			
Carbon tetrachloride		170	ug/L	10	86	70	130			
Chloroform		160	ug/L	10	82	70	130			
Chloromethane		350	ug/L	10	83	70	130			
m+p-Xylenes		400	ug/L	10	98	70	130			
Methyl ethyl ketone		1900	ug/L	200	96	70	130			
Methylene chloride		150	ug/L	10	68	70	130			S
Naphthalene		230	ug/L	10	113	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/24/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080143

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R162997										
Sample ID: C12070956-003JMS	16	Sample Matrix Spike			Run: 5975VOC1_120807B				08/07/12 22:15	
o-Xylene		200	ug/L	10	102	70	130			
Toluene		210	ug/L	10	98	70	130			
Xylenes, Total		600	ug/L	10	100	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	103	80	120			
Surr: Dibromofluoromethane				1.0	102	70	130			
Surr: p-Bromofluorobenzene				1.0	116	80	120			
Surr: Toluene-d8				1.0	116	80	120			
Sample ID: C12070956-003JMSD	16	Sample Matrix Spike Duplicate			Run: 5975VOC1_120807B				08/07/12 22:50	
Acetone		1400	ug/L	200	70	70	130	7.7	20	
Benzene		200	ug/L	10	96	70	130	0.8	20	
Carbon tetrachloride		170	ug/L	10	86	70	130	0.0	20	
Chloroform		160	ug/L	10	81	70	130	1.5	20	
Chloromethane		330	ug/L	10	74	70	130	4.9	20	
m+p-Xylenes		400	ug/L	10	99	70	130	0.8	20	
Methyl ethyl ketone		1800	ug/L	200	92	70	130	4.3	20	
Methylene chloride		150	ug/L	10	65	70	130	4.2	20	S
Naphthalene		230	ug/L	10	113	70	130	0.3	20	
o-Xylene		200	ug/L	10	102	70	130	0.4	20	
Toluene		210	ug/L	10	99	70	130	0.8	20	
Xylenes, Total		610	ug/L	10	100	70	130	0.7	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	104	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	101	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	117	80	120	0.0	10	
Surr: Toluene-d8				1.0	115	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

Standard Reporting Procedures

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Workorder Receipt Checklist

Energy Fuels Resources (USA) Inc

C12080143

Login completed by: Corinne Wagner

Date Received: 8/3/2012

Reviewed by: BL2000\kschroeder

Received by: tj

Reviewed Date: 8/8/2012

Carrier FedEx
name:

- | | | | |
|--|---|-----------------------------|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time?
(Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temp Blank received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |
| Container/Temp Blank temperature: | 4.0°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

None



Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name: Energy Fuels	Project Name, PWS, Permit, Etc. 3rd Quarter Ground Water 2012	Sample Origin State: UT	EPA/State Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: PO BOX 809 Blanding UT 84511	Contact Name: Garrin Palmer	Phone/Fax: 435 678 2221	Email: Tanner Holliday
Invoice Address: Same	Invoice Contact & Phone: David Turk 435 678 2221	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:

DW EDD/EDT (Electronic Data)
 POTW/WWTP Format: _____
 State: _____ LEVEL IV
 Other: _____ NELAC

Number of Containers Sample Type: A W S V B O DW Air Water Soils/Solids Vegetation Bioassay Other DW - Drinking Water	ANALYSIS REQUESTED									
	Quote # C1640	TDS	Manganese							

SEE ATTACHED

Standard Turnaround (TAT)

RUSH

Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page

Comments:
**MW-37
Include
TIN please**

Shipped by:
Exel - ES

Cooler ID(s):
Client

Receipt Temp
4.0 °C

On Ice: Y N

Custody Seal
On Bottle Y N
On Cooler Y N

Intact
Signature Match Y N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX												
MW-28-08012012	8/1/2012	1400	1-W												
MW-29-08012012	8/1/2012	1310	2-W		X	X									
MW-37-07302012	7/30/2012	1340	6-W	X											
Trip Blank	7/30/2012														

LABORATORY USE ONLY

C12080143

Custody Record MUST be Signed	Relinquished by (print): Tanner Holliday	Date/Time: 8/2/2012 1100	Signature: <i>Tanner Holliday</i>	Received by (print):	Date/Time:	Signature:
	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Sample Disposal: Return to Client:	Lab Disposal:	Received by Laboratory:	Date/Time: 8-3-12	Signature: <i>David Turk</i>	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

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ANALYTICAL SUMMARY REPORT

August 30, 2012

Energy Fuels Resources (USA) Inc
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12080830 Quote ID: C1640 - POC Wells

Project Name: 3rd Quarter Groundwater 2012

Energy Laboratories, Inc. Casper WY received the following 3 samples for Energy Fuels Resources (USA) Inc on 8/17/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12080830-001	MW-26_08162012	08/16/12 6:40	08/17/12	Aqueous	SW8260B VOCs, Standard List
C12080830-002	MW-65_08162012	08/16/12 6:40	08/17/12	Aqueous	Same As Above
C12080830-003	Trip Blank 6706	08/16/12 0:00	08/17/12	Aqueous	Same As Above

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

Stephanie D Waldrop
Reporting Supervisor

Digitally signed by
Stephanie Waldrop
Date: 2012.08.30 13:12:37 -06:00



CLIENT: Energy Fuels Resources (USA) Inc
Project: 3rd Quarter Groundwater 2012
Sample Delivery Group: C12080830

Report Date: 08/30/12

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS

Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-cs - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001, Radiochemical WY200002; Utah: WY00002; Washington: C836

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/30/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080830

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R163670										
Sample ID: C12080808-001KMS	14	Sample Matrix Spike			Run: SATURNCA_120822A				08/22/12 22:04	
Benzene		210	ug/L	10	101	70	130			
Carbon tetrachloride		180	ug/L	10	92	70	130			
Chloromethane		370	ug/L	10	85	70	130			
m+p-Xylenes		360	ug/L	10	88	70	130			
Methyl ethyl ketone		2100	ug/L	200	107	70	130			
Methylene chloride		190	ug/L	10	89	70	130			
Naphthalene		170	ug/L	10	83	70	130			
o-Xylene		200	ug/L	10	100	70	130			
Toluene		220	ug/L	10	104	70	130			
Xylenes, Total		560	ug/L	10	92	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	91	80	120			
Surr: Dibromofluoromethane				1.0	91	70	130			
Surr: p-Bromofluorobenzene				1.0	90	80	120			
Surr: Toluene-d8				1.0	102	80	120			
Sample ID: C12080808-001KMSD	14	Sample Matrix Spike Duplicate			Run: SATURNCA_120822A				08/22/12 22:40	
Benzene		230	ug/L	10	112	70	130	9.8	20	
Carbon tetrachloride		200	ug/L	10	101	70	130	8.7	20	
Chloromethane		370	ug/L	10	84	70	130	0.4	20	
m+p-Xylenes		420	ug/L	10	102	70	130	15	20	
Methyl ethyl ketone		2200	ug/L	200	109	70	130	1.5	20	
Methylene chloride		210	ug/L	10	98	70	130	9.4	20	
Naphthalene		210	ug/L	10	103	70	130	21	20	R
o-Xylene		240	ug/L	10	122	70	130	19	20	
Toluene		230	ug/L	10	109	70	130	3.9	20	
Xylenes, Total		660	ug/L	10	109	70	130	17	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	93	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	92	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	91	80	120	0.0	10	
Surr: Toluene-d8				1.0	98	80	120	0.0	10	
Sample ID: 082212_LCS_6	14	Laboratory Control Sample			Run: SATURNCA_120822A				08/22/12 14:18	
Benzene		11	ug/L	1.0	110	70	130			
Carbon tetrachloride		9.8	ug/L	1.0	98	70	130			
Chloromethane		10	ug/L	1.0	101	70	130			
m+p-Xylenes		20	ug/L	1.0	101	70	130			
Methyl ethyl ketone		120	ug/L	20	116	70	130			
Methylene chloride		9.4	ug/L	1.0	94	70	130			
Naphthalene		10	ug/L	1.0	100	70	130			
o-Xylene		11	ug/L	1.0	112	70	130			
Toluene		11	ug/L	1.0	106	70	130			
Xylenes, Total		31	ug/L	1.0	104	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	87	80	120			
Surr: Dibromofluoromethane				1.0	89	70	130			
Surr: p-Bromofluorobenzene				1.0	86	80	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/30/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080830

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R163670
Sample ID: 082212_LCS_6	14	Laboratory Control Sample								Run: SATURNCA_120822A 08/22/12 14:18
Surr: Toluene-d8				1.0	98	80	120			
Sample ID: 082212_MBLK_8	14	Method Blank								Run: SATURNCA_120822A 08/22/12 15:31
Benzene		ND	ug/L	1.0						
Carbon tetrachloride		ND	ug/L	1.0						
Chloromethane		ND	ug/L	1.0						
m+p-Xylenes		ND	ug/L	1.0						
Methyl ethyl ketone		ND	ug/L	20						
Methylene chloride		ND	ug/L	1.0						
Naphthalene		ND	ug/L	1.0						
o-Xylene		ND	ug/L	1.0						
Toluene		ND	ug/L	1.0						
Xylenes, Total		ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4				1.0	91	80	120			
Surr: Dibromofluoromethane				1.0	90	70	130			
Surr: p-Bromofluorobenzene				1.0	87	80	120			
Surr: Toluene-d8				1.0	92	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/30/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080830

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R163830										
Sample ID: C12080960-003IMS	15	Sample Matrix Spike			Run: SATURNCA_120827A			08/27/12 21:37		
Benzene		210	ug/L	10	106	70	130			
Carbon tetrachloride		200	ug/L	10	100	70	130			
Chloroform		200	ug/L	10	99	70	130			
Chloromethane		210	ug/L	10	106	70	130			
m+p-Xylenes		380	ug/L	10	95	70	130			
Methyl ethyl ketone		2100	ug/L	200	103	70	130			
Methylene chloride		190	ug/L	10	96	70	130			
Naphthalene		180	ug/L	10	91	70	130			
o-Xylene		210	ug/L	10	107	70	130			
Toluene		220	ug/L	10	108	70	130			
Xylenes, Total		600	ug/L	10	99	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	88	80	120			
Surr: Dibromofluoromethane				1.0	92	70	130			
Surr: p-Bromofluorobenzene				1.0	89	80	120			
Surr: Toluene-d8				1.0	102	80	120			
Sample ID: C12080960-003IMSD	15	Sample Matrix Spike Duplicate			Run: SATURNCA_120827A			08/27/12 22:13		
Benzene		240	ug/L	10	119	70	130	12	20	
Carbon tetrachloride		220	ug/L	10	111	70	130	11	20	
Chloroform		230	ug/L	10	114	70	130	14	20	
Chloromethane		250	ug/L	10	124	70	130	16	20	
m+p-Xylenes		420	ug/L	10	105	70	130	9.8	20	
Methyl ethyl ketone		2500	ug/L	200	125	70	130	19	20	
Methylene chloride		220	ug/L	10	109	70	130	12	20	
Naphthalene		210	ug/L	10	106	70	130	15	20	
o-Xylene		230	ug/L	10	116	70	130	7.9	20	
Toluene		230	ug/L	10	116	70	130	7.5	20	
Xylenes, Total		650	ug/L	10	109	70	130	9.1	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	92	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	96	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	89	80	120	0.0	10	
Surr: Toluene-d8				1.0	101	80	120	0.0	10	
Sample ID: 082712_LCS_4	15	Laboratory Control Sample			Run: SATURNCA_120827A			08/27/12 14:06		
Benzene		11	ug/L	1.0	110	70	130			
Carbon tetrachloride		10	ug/L	1.0	103	70	130			
Chloroform		11	ug/L	1.0	109	70	130			
Chloromethane		11	ug/L	1.0	107	70	130			
m+p-Xylenes		21	ug/L	1.0	103	70	130			
Methyl ethyl ketone		130	ug/L	20	127	70	130			
Methylene chloride		10	ug/L	1.0	101	70	130			
Naphthalene		11	ug/L	1.0	107	70	130			
o-Xylene		12	ug/L	1.0	120	70	130			
Toluene		11	ug/L	1.0	112	70	130			
Xylenes, Total		33	ug/L	1.0	109	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/30/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080830

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B								Batch: R163830		
Sample ID: 082712_LCS_4	15	Laboratory Control Sample					Run: SATURNCA_120827A		08/27/12 14:06	
Surr: 1,2-Dichlorobenzene-d4				1.0	90	80	120			
Surr: Dibromofluoromethane				1.0	90	70	130			
Surr: p-Bromofluorobenzene				1.0	91	80	130			
Surr: Toluene-d8				1.0	100	80	120			
Sample ID: 082712_MBLK_6	15	Method Blank					Run: SATURNCA_120827A		08/27/12 15:32	
Benzene		ND	ug/L	1.0						
Carbon tetrachloride		ND	ug/L	1.0						
Chloroform		ND	ug/L	1.0						
Chloromethane		ND	ug/L	1.0						
m+p-Xylenes		ND	ug/L	1.0						
Methyl ethyl ketone		ND	ug/L	20						
Methylene chloride		ND	ug/L	1.0						
Naphthalene		ND	ug/L	1.0						
o-Xylene		ND	ug/L	1.0						
Toluene		ND	ug/L	1.0						
Xylenes, Total		ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4				1.0	87	80	120			
Surr: Dibromofluoromethane				1.0	92	70	130			
Surr: p-Bromofluorobenzene				1.0	84	80	120			
Surr: Toluene-d8				1.0	99	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 08/30/12

Project: 3rd Quarter Groundwater 2012

Work Order: C12080830

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R163906										
Sample ID: 082812_MBLK_6	5	Method Blank								
Run: SATURNCA_120828A										
08/28/12 12:50										
Chloroform		ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4				1.0	90	80	120			
Surr: Dibromofluoromethane				1.0	94	70	130			
Surr: p-Bromofluorobenzene				1.0	86	80	120			
Surr: Toluene-d8				1.0	101	80	120			
Sample ID: C12081068-003CMS	5	Sample Matrix Spike								
Run: SATURNCA_120828A										
08/28/12 19:49										
Chloroform		240	ug/L	10	120	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	94	80	120			
Surr: Dibromofluoromethane				1.0	99	70	130			
Surr: p-Bromofluorobenzene				1.0	94	80	120			
Surr: Toluene-d8				1.0	99	80	120			
Sample ID: C12081068-003CMSD	5	Sample Matrix Spike Duplicate								
Run: SATURNCA_120828A										
08/28/12 20:25										
Chloroform		240	ug/L	10	119	70	130	0.7	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	88	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	94	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	88	80	120	0.0	10	
Surr: Toluene-d8				1.0	103	80	120	0.0	10	
Sample ID: 082812_LCS_4	5	Laboratory Control Sample								
Run: SATURNCA_120828A										
08/28/12 11:37										
Chloroform		10	ug/L	1.0	104	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	93	80	120			
Surr: Dibromofluoromethane				1.0	92	70	130			
Surr: p-Bromofluorobenzene				1.0	91	80	130			
Surr: Toluene-d8				1.0	99	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Standard Reporting Procedures

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as -dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Workorder Receipt Checklist

Energy Fuels Resources (USA) Inc

C12080830

Login completed by: Tracy Judge

Date Received: 8/17/2012

Reviewed by: BL2000kschroeder

Received by: km

Reviewed Date: 8/21/2012

Carrier NDA
name:

- | | | | |
|---|---|-----------------------------|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time?
(Exclude analyses that are considered field parameters
such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temp Blank received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |
| Container/Temp Blank temperature: | 3.2°C On Ice | | |
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input checked="" type="checkbox"/> |

Contact and Corrective Action Comments:

None



Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name: Energy Fuels	Project Name, PWS, Permit, Etc. 3rd Quarter Groundwater 2012	Sample Origin State: UT	EPA/State Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: PO BOX 809 Blanding UT 84511	Contact Name: Garrin Palmer	Phone/Fax: 435 678 2221	Email:
Invoice Address: Same	Invoice Contact & Phone: Same	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:			ANALYSIS REQUESTED	SEE ATTACHED	Standard Turnaround (TAT)	R U S H	Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page	Shipped by: ups-NDA
<input type="checkbox"/> DW <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC							Number of Containers Sample Type: A W S V B O DW Air Water Soils/Solids Vegetation Bioassay Other DW - Drinking Water	Comments:
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX					Custody Seal On Bottle <input type="checkbox"/> Y <input type="checkbox"/> N On Cooler <input type="checkbox"/> Y <input type="checkbox"/> N Intact <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Signature Match <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
1 MW-26_08162012	8/16/2012	0640	3-W	X				LABORATORY USE ONLY
2 MW-65_08162012	8/16/2012	0640	3-W	X				
3 Trip Blank 6704								
4								
5								
6								
7								
8								
9								
10								

Custody Record MUST be Signed	Relinquished by (print): Tanner Holliday	Date/Time: 8/16/2012 1100	Signature: <i>Tanner Holliday</i>	Received by (print):	Date/Time:	Signature:
	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Sample Disposal: Return to Client:	Lab Disposal:	Received by Laboratory: <i>Walter Miller</i>	Date/Time: 10-17-12/940	Signature:	

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Tab F

Laboratory Analytical Reports – Accelerated Monitoring

Tab F1

Laboratory Analytical Reports – Accelerated Monitoring

August 2012



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: August Monthly Groundwater 2012
Lab ID: C12080469-003
Client Sample ID: MW-11_08072012

Report Date: 09/05/12
Collection Date: 08/07/12 11:30
Date Received: 08/10/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Manganese	166	ug/L		10		E200.8	08/27/12 17:29 / cp

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: August Monthly Groundwater 2012
Lab ID: C12080469-004
Client Sample ID: MW-14_08072012

Report Date: 09/05/12
Collection Date: 08/07/12 13:21
Date Received: 08/10/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Manganese	2300	ug/L		10		E200.8	08/27/12 17:34 / cp

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: August Monthly Groundwater 2012
Lab ID: C12080469-002
Client Sample ID: MW-25_08062012

Report Date: 09/05/12
Collection Date: 08/06/12 11:10
Date Received: 08/10/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Uranium	6.72	ug/L		0.30		E200.8	08/27/12 17:25 / cp

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: August Monthly Groundwater 2012
Lab ID: C12080469-005
Client Sample ID: MW-26_08082012

Report Date: 09/05/12
Collection Date: 08/08/12 13:31
Date Received: 08/10/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	78	mg/L	D	4		E300.0	08/14/12 04:01 / ljl
Nitrogen, Nitrate+Nitrite as N	1.6	mg/L		0.1		E353.2	08/13/12 16:31 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3210	mg/L		10		A2540 C	08/10/12 15:08 / ab
METALS - DISSOLVED							
Uranium	67.4	ug/L		0.30		E200.8	08/27/12 17:38 / cp
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	08/14/12 19:18 / jk
Benzene	ND	ug/L		1.0		SW8260B	08/14/12 19:18 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	08/14/12 19:18 / jk
Chloroform	2200	ug/L	D	500		SW8260B	08/14/12 18:41 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	08/14/12 19:18 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	08/14/12 19:18 / jk
Methylene chloride	17	ug/L		1.0		SW8260B	08/14/12 19:18 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	08/14/12 19:18 / jk
Toluene	ND	ug/L		1.0		SW8260B	08/14/12 19:18 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	08/14/12 19:18 / jk
Surr: 1,2-Dichlorobenzene-d4	90.0	%REC		80-120		SW8260B	08/14/12 19:18 / jk
Surr: Dibromofluoromethane	96.0	%REC		70-130		SW8260B	08/14/12 19:18 / jk
Surr: p-Bromofluorobenzene	93.0	%REC		80-120		SW8260B	08/14/12 19:18 / jk
Surr: Toluene-d8	93.0	%REC		80-120		SW8260B	08/14/12 19:18 / jk

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: August Monthly Groundwater 2012
Lab ID: C12080469-006
Client Sample ID: MW-30_08072012

Report Date: 09/05/12
Collection Date: 08/07/12 10:25
Date Received: 08/10/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	139	mg/L	D	2		E300.0	08/14/12 04:18 / ljl
Nitrogen, Nitrate+Nitrite as N	18	mg/L	D	2		E353.2	08/13/12 16:38 / lr
METALS - DISSOLVED							
Selenium	38.4	ug/L		5.0		E200.8	08/27/12 18:00 / cp
Uranium	8.04	ug/L		0.30		E200.8	08/27/12 18:00 / cp

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: August Monthly Groundwater 2012
Lab ID: C12080469-001
Client Sample ID: MW-31_08062012

Report Date: 09/05/12
Collection Date: 08/06/12 13:15
Date Received: 08/10/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	175	mg/L		1		E300.0	08/14/12 03:43 / ljl
Nitrogen, Nitrate+Nitrite as N	21	mg/L	D	2		E353.2	08/13/12 16:23 / lr
Sulfate	571	mg/L	D	4		E300.0	08/14/12 03:43 / ljl
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	1400	mg/L		10		A2540 C	08/10/12 15:08 / ab

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: August Monthly Groundwater 2012
Lab ID: C12080469-007
Client Sample ID: MW-35_08082012

Report Date: 09/05/12
Collection Date: 08/08/12 08:35
Date Received: 08/10/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Manganese	273	ug/L		10		E200.8	08/27/12 18:05 / cp
Selenium	18.8	ug/L		5.0		E200.8	08/27/12 18:05 / cp
Thallium	0.61	ug/L		0.50		E200.8	08/27/12 18:05 / cp
Uranium	26.2	ug/L		0.30		E200.8	08/27/12 18:05 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	4.2	pCi/L				E900.1	08/30/12 21:38 / lbb
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	08/30/12 21:38 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	08/30/12 21:38 / lbb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: August Monthly Groundwater 2012
Lab ID: C12080469-008
Client Sample ID: MW-65_08072012

Report Date: 09/05/12
Collection Date: 08/07/12 13:21
Date Received: 08/10/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Manganese	2250	ug/L		10		E200.8	08/27/12 18:09 / cp

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: August Monthly Groundwater 2012
Lab ID: C12080469-009
Client Sample ID: Trip Blank 6746

Report Date: 09/05/12
Collection Date: 08/08/12
Date Received: 08/10/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	08/14/12 16:55 / jk
Benzene	ND	ug/L		1.0		SW8260B	08/14/12 16:55 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	08/14/12 16:55 / jk
Chloroform	ND	ug/L		1.0		SW8260B	08/14/12 16:55 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	08/14/12 16:55 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	08/14/12 16:55 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	08/14/12 16:55 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	08/14/12 16:55 / jk
Toluene	ND	ug/L		1.0		SW8260B	08/14/12 16:55 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	08/14/12 16:55 / jk
Surr: 1,2-Dichlorobenzene-d4	90.0	%REC		80-120		SW8260B	08/14/12 16:55 / jk
Surr: Dibromofluoromethane	97.0	%REC		70-130		SW8260B	08/14/12 16:55 / jk
Surr: p-Bromofluorobenzene	81.0	%REC		80-120		SW8260B	08/14/12 16:55 / jk
Surr: Toluene-d8	93.0	%REC		80-120		SW8260B	08/14/12 16:55 / jk

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: August Monthly Groundwater 2012
Lab ID: C12080469-010
Client Sample ID: Temp Blank

Report Date: 09/05/12
Collection Date: 08/09/12
Date Received: 08/10/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	2.0	°C				E170.1	08/10/12 12:46 / kbh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

September 05, 2012

Energy Fuels Resources (USA) Inc
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12080469 Quote ID: C1640 - POC Wells

Project Name: August Monthly Groundwater 2012

Energy Laboratories, Inc. Casper WY received the following 10 samples for Energy Fuels Resources (USA) Inc on 8/10/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12080469-001	MW-31_08062012	08/06/12 13:15	08/10/12	Aqueous	E300.0 Anions Nitrogen, Nitrate + Nitrite Solids, Total Dissolved
C12080469-002	MW-25_08062012	08/06/12 11:10	08/10/12	Aqueous	Metals by ICP-MS, Dissolved
C12080469-003	MW-11_08072012	08/07/12 11:30	08/10/12	Aqueous	Same As Above
C12080469-004	MW-14_08072012	08/07/12 13:21	08/10/12	Aqueous	Same As Above
C12080469-005	MW-26_08082012	08/08/12 13:31	08/10/12	Aqueous	E300.0 Anions Metals by ICP-MS, Dissolved Nitrogen, Nitrate + Nitrite Solids, Total Dissolved SW8260B VOCs, Standard List
C12080469-006	MW-30_08072012	08/07/12 10:25	08/10/12	Aqueous	E300.0 Anions Metals by ICP-MS, Dissolved Nitrogen, Nitrate + Nitrite
C12080469-007	MW-35_08082012	08/08/12 8:35	08/10/12	Aqueous	Metals by ICP-MS, Dissolved Gross Alpha minus Rn222 and Uranium
C12080469-008	MW-65_08072012	08/07/12 13:21	08/10/12	Aqueous	Metals by ICP-MS, Dissolved
C12080469-009	Trip Blank 6746	08/08/12 0:00	08/10/12	Aqueous	SW8260B VOCs, Standard List
C12080469-010	Temp Blank	08/09/12 0:00	08/10/12	Aqueous	Temperature

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

Stephanie D Waldrop
Reporting Supervisor

Digitally signed by
Stephanie Waldrop
Date: 2012.09.05 11:16:53 -06:00



CLIENT: Energy Fuels Resources (USA) Inc
Project: August Monthly Groundwater 2012
Sample Delivery Group: C12080469

Report Date: 09/05/12

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS

Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001, Radiochemical WY200002; Utah: WY00002; Virginia: 00057; Washington: C836

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 09/05/12

Project: August Monthly Groundwater 2012

Work Order: C12080469

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: TDS120810A		
Sample ID: MB-1_120810A		Method Blank					Run: BAL-1_120810A		08/10/12 12:31	
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	10						
Sample ID: LCS-2_120810A		Laboratory Control Sample					Run: BAL-1_120810A		08/10/12 12:31	
Solids, Total Dissolved TDS @ 180 C		1090	mg/L	10	98	90	110			
Sample ID: C12080418-007A DUP		Sample Duplicate					Run: BAL-1_120810A		08/10/12 12:55	
Solids, Total Dissolved TDS @ 180 C		1140	mg/L	10				0.2	5	
Sample ID: C12080418-008A MS		Sample Matrix Spike					Run: BAL-1_120810A		08/10/12 12:55	
Solids, Total Dissolved TDS @ 180 C		18200	mg/L	10	99	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 09/05/12

Project: August Monthly Groundwater 2012

Work Order: C12080469

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8		Analytical Run: ICPMS4-C_120827A								
Sample ID: ICV	4	Initial Calibration Verification Standard								08/27/12 20:03
Manganese		0.0495	mg/L	0.0010	99	90	110			
Selenium		0.0507	mg/L	0.0010	101	90	110			
Thallium		0.0501	mg/L	0.0010	100	90	110			
Uranium		0.0507	mg/L	0.00030	101	90	110			
Method: E200.8		Batch: R163876								
Sample ID: C12080469-008AMS	4	Sample Matrix Spike				Run: ICPMS4-C_120827A		08/27/12 18:14		
Manganese		2.19	mg/L	0.0010		70	130			A
Selenium		0.0552	mg/L	0.0010	110	70	130			
Thallium		0.0564	mg/L	0.0010	112	70	130			
Uranium		0.120	mg/L	0.00030	100	70	130			
Sample ID: C12080469-008AMSD	4	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120827A		08/27/12 18:18		
Manganese		2.26	mg/L	0.0010		70	130	2.8	20	A
Selenium		0.0559	mg/L	0.0010	111	70	130	1.2	20	
Thallium		0.0594	mg/L	0.0010	118	70	130	5.2	20	
Uranium		0.126	mg/L	0.00030	112	70	130	4.9	20	
Sample ID: LRB	4	Method Blank				Run: ICPMS4-C_120827A		08/27/12 20:25		
Manganese		ND	mg/L	0.010						
Selenium		ND	mg/L	0.0050						
Thallium		ND	mg/L	0.00050						
Uranium		ND	mg/L	0.00030						
Sample ID: LFB	4	Laboratory Fortified Blank				Run: ICPMS4-C_120827A		08/27/12 20:29		
Manganese		0.0528	mg/L	0.0010	106	85	115			
Selenium		0.0516	mg/L	0.0010	103	85	115			
Thallium		0.0537	mg/L	0.0010	107	85	115			
Uranium		0.0525	mg/L	0.00030	105	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 09/05/12

Project: August Monthly Groundwater 2012

Work Order: C12080469

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0								Analytical Run: IC1-C_120811A		
Sample ID: ICV-081112-10	2	Initial Calibration Verification Standard								08/11/12 18:51
Chloride		9.84	mg/L	1.0	98	90	110			
Sulfate		40.0	mg/L	1.0	100	90	110			
Method: E300.0								Batch: R163208		
Sample ID: ICB-081112-11	2	Method Blank						Run: IC1-C_120811A		08/11/12 19:09
Chloride		ND	mg/L	1.0						
Sulfate		ND	mg/L	4.0						
Sample ID: LFB-081112-12	2	Laboratory Fortified Blank						Run: IC1-C_120811A		08/11/12 19:26
Chloride		9.98	mg/L	1.0	100	90	110			
Sulfate		40.1	mg/L	1.0	100	90	110			
Sample ID: C12080462-003AMS	2	Sample Matrix Spike						Run: IC1-C_120811A		08/14/12 01:42
Chloride		13.3	mg/L	1.0	105	90	110			
Sulfate		47.6	mg/L	1.0	102	90	110			
Sample ID: C12080462-003AMSD	2	Sample Matrix Spike Duplicate						Run: IC1-C_120811A		08/14/12 01:59
Chloride		13.2	mg/L	1.0	103	90	110	1.0	10	
Sulfate		47.6	mg/L	1.0	102	90	110	0.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 09/05/12

Project: August Monthly Groundwater 2012

Work Order: C12080469

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R163181
Sample ID: MBLK-1		Method Blank								Run: TECHNICON_120813A 08/13/12 10:48
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.10						
Sample ID: LCS-2		Laboratory Control Sample								Run: TECHNICON_120813A 08/13/12 10:51
Nitrogen, Nitrate+Nitrite as N		2.42	mg/L	0.10	97	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank								Run: TECHNICON_120813A 08/13/12 10:53
Nitrogen, Nitrate+Nitrite as N		1.93	mg/L	0.10	98	90	110			
Sample ID: C12080469-005CMS		Sample Matrix Spike								Run: TECHNICON_120813A 08/13/12 16:33
Nitrogen, Nitrate+Nitrite as N		3.69	mg/L	0.10	106	90	110			
Sample ID: C12080469-005CMSD		Sample Matrix Spike Duplicate								Run: TECHNICON_120813A 08/13/12 16:36
Nitrogen, Nitrate+Nitrite as N		3.61	mg/L	0.10	102	90	110	2.2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 09/05/12

Project: August Monthly Groundwater 2012

Work Order: C12080469

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1										Batch: GA-0580
Sample ID: LCS-GA-0570		Laboratory Control Sample								Run: BERTHOLD 770-1_120820B 08/30/12 21:38
Gross Alpha minus Rn & U		15.7	pCi/L		78	80	120			S
- LCS response is outside of the acceptance range for this analysis. Since the MB, MS, and MSD are acceptable the batch is approved.										
Sample ID: MB-GA-0570	3	Method Blank								Run: BERTHOLD 770-1_120820B 08/30/12 21:38
Gross Alpha minus Rn & U		-0.137	pCi/L							U
Gross Alpha minus Rn & U Precision (±)		0.195	pCi/L							
Gross Alpha minus Rn & U MDC		0.395	pCi/L							
Sample ID: C12080464-002EMS		Sample Matrix Spike								Run: BERTHOLD 770-1_120820B 08/30/12 21:38
Gross Alpha minus Rn & U		77.2	pCi/L		123	70	130			
Sample ID: C12080464-002EMSD		Sample Matrix Spike Duplicate								Run: BERTHOLD 770-1_120820B 08/30/12 21:38
Gross Alpha minus Rn & U		77.9	pCi/L		123	70	130	0.9		22.4

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 09/05/12

Project: August Monthly Groundwater 2012

Work Order: C12080469

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: SW8260B										Batch: R163298	
Sample ID: 081312_LCS_4		16 Laboratory Control Sample			Run: SATURNCA_120814C				08/14/12 12:01		
Acetone		110	ug/L	20	109	70	130				
Benzene		10	ug/L	1.0	102	70	130				
Carbon tetrachloride		8.7	ug/L	1.0	87	70	130				
Chloroform		9.0	ug/L	1.0	90	70	130				
Chloromethane		8.3	ug/L	1.0	83	70	130				
m+p-Xylenes		17	ug/L	1.0	83	70	130				
Methyl ethyl ketone		110	ug/L	20	107	70	130				
Methylene chloride		7.5	ug/L	1.0	75	70	130				
Naphthalene		9.3	ug/L	1.0	93	70	130				
o-Xylene		10	ug/L	1.0	104	70	130				
Toluene		10	ug/L	1.0	100	70	130				
Xylenes, Total		27	ug/L	1.0	90	70	130				
Surr: 1,2-Dichlorobenzene-d4				1.0	93	80	120				
Surr: Dibromofluoromethane				1.0	92	70	130				
Surr: p-Bromofluorobenzene				1.0	93	80	130				
Surr: Toluene-d8				1.0	102	80	120				
Sample ID: 081312_MBLK_6		16 Method Blank			Run: SATURNCA_120814C				08/14/12 13:14		
Acetone		ND	ug/L	20							
Benzene		ND	ug/L	1.0							
Carbon tetrachloride		ND	ug/L	1.0							
Chloroform		ND	ug/L	1.0							
Chloromethane		ND	ug/L	1.0							
m+p-Xylenes		ND	ug/L	1.0							
Methyl ethyl ketone		ND	ug/L	20							
Methylene chloride		ND	ug/L	1.0							
Naphthalene		ND	ug/L	1.0							
o-Xylene		ND	ug/L	1.0							
Toluene		ND	ug/L	1.0							
Xylenes, Total		ND	ug/L	1.0							
Surr: 1,2-Dichlorobenzene-d4				1.0	91	80	120				
Surr: Dibromofluoromethane				1.0	89	70	130				
Surr: p-Bromofluorobenzene				1.0	90	80	120				
Surr: Toluene-d8				1.0	92	80	120				
Sample ID: C12080469-005DMS		16 Sample Matrix Spike			Run: SATURNCA_120814C				08/14/12 19:54		
Acetone		10000	ug/L	10000	104	70	130				
Benzene		11000	ug/L	500	111	70	130				
Carbon tetrachloride		10000	ug/L	500	100	70	130				
Chloroform		13000	ug/L	500	109	70	130				
Chloromethane		10000	ug/L	500	102	70	130				
m+p-Xylenes		18000	ug/L	500	91	70	130				
Methyl ethyl ketone		99000	ug/L	10000	99	70	130				
Methylene chloride		8300	ug/L	500	83	70	130				
Naphthalene		8700	ug/L	500	87	70	130				

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc

Report Date: 09/05/12

Project: August Monthly Groundwater 2012

Work Order: C12080469

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R163298										
Sample ID: C12080469-005DMS	16	Sample Matrix Spike			Run: SATURNCA_120814C				08/14/12 19:54	
o-Xylene		11000	ug/L	500	111	70	130			
Toluene		11000	ug/L	500	109	70	130			
Xylenes, Total		29000	ug/L	500	97	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	90	80	120			
Surr: Dibromofluoromethane				1.0	92	70	130			
Surr: p-Bromofluorobenzene				1.0	97	80	120			
Surr: Toluene-d8				1.0	98	80	120			
Sample ID: C12080469-005DMSD	16	Sample Matrix Spike Duplicate			Run: SATURNCA_120814C				08/14/12 20:30	
Acetone		100000	ug/L	10000	105	70	130	0.8	20	
Benzene		11000	ug/L	500	111	70	130	0.0	20	
Carbon tetrachloride		10000	ug/L	500	100	70	130	0.8	20	
Chloroform		13000	ug/L	500	104	70	130	3.8	20	
Chloromethane		11000	ug/L	500	107	70	130	5.4	20	
m+p-Xylenes		19000	ug/L	500	97	70	130	6.4	20	
Methyl ethyl ketone		100000	ug/L	10000	101	70	130	1.6	20	
Methylene chloride		8800	ug/L	500	88	70	130	6.1	20	
Naphthalene		10000	ug/L	500	100	70	130	14	20	
o-Xylene		11000	ug/L	500	114	70	130	2.5	20	
Toluene		11000	ug/L	500	107	70	130	1.8	20	
Xylenes, Total		31000	ug/L	500	102	70	130	4.9	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	93	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	91	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	95	80	120	0.0	10	
Surr: Toluene-d8				1.0	97	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



Standard Reporting Procedures

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as -dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Workorder Receipt Checklist

Energy Fuels Resources (USA) Inc

C12080469

Login completed by: Corinne Wagner

Date Received: 8/10/2012

Reviewed by: BL2000\kschroeder

Received by: th

Reviewed Date: 8/10/2012

Carrier FedEx
name:

- | | | | |
|---|---|-----------------------------|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time?
(Exclude analyses that are considered field parameters
such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temp Blank received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |
| Container/Temp Blank temperature: | 2.0°C | | |
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

None



Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name: Energy Fuels	Project Name, PWS, Permit, Etc. August Monthly Groundwater	Sample Origin State: UT	EPA/State Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: PO Box 809 Blanding UT 84511	Contact Name: Garrin Palmer	Phone/Fax: 435 678 2221	Email: Tanner Holliday
Invoice Address: Same	Invoice Contact & Phone: David Turk 435 678 2221	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:

DW EDD/EDT (Electronic Data)
 POTW/WWTP Format: _____
 State: _____ LEVEL IV
 Other: _____ NELAC

Number of Containers Sample Type: A W S V B O DW Air Water Soils/Solids Vegetation Bioassay Other DW - Drinking Water	ANALYSIS REQUESTED									
	Nitrate + Nitrite	TDS	Sulfate	Chloride	Uranium	Manganese	Chloro + Dichloro	Selenium	Gross Alpha	Thallium

Standard Turnaround (TAT) **RUSH**

Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page

Comments:

Shipped by: **Jones - Exp.**

Cooler ID(s): **Client**

Receipt Temp: **20 °C**

On Ice: Y N

Custody Seal
On Bottle N
On Cooler N

Intact N

Signature Match N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Nitrate + Nitrite	TDS	Sulfate	Chloride	Uranium	Manganese	Chloro + Dichloro	Selenium	Gross Alpha	Thallium
¹ MW-31_08062012	8/6/2012	1315	2-W	X	X	X	X						
² MW-25_08062012	8/6/2012	1110	1-W					X					
³ MW-11_08072012	8/7/2012	1130	1-W						X				
⁴ MW-14_08072012	8/7/2012	1321	1-W						X				
⁵ MW-26_08082012	8/8/2012	1331	6-W	X	X		X	X	X				
⁶ MW-30_08072012	8/7/2012	1025	3-W	X			X	X		X			
⁷ MW-35_08082012	8/8/2012	0835	1-W					X	X	X	X	X	
⁸ MW-65_08072012	8/7/2012	1321	1-W						X	- per Garrin Palmer 8/10/12 CW			
⁹ Trip Blank 6746	8/8/2012												
¹⁰													

LABORATORY USE ONLY

Custody Record MUST be Signed	Relinquished by (print): Tanner Holliday Date/Time: 8/9/2012 1000 Signature: <i>Tanner Holliday</i>	Received by (print): _____ Date/Time: _____ Signature: _____
	Relinquished by (print): _____ Date/Time: _____ Signature: _____	Received by (print): _____ Date/Time: _____ Signature: _____
	Sample Disposal: Return to Client: _____ Lab Disposal: _____	Received by Laboratory: 8-10-12 930 Date/Time: _____ Signature: <i>[Signature]</i>

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Tab F2

Laboratory Analytical Reports – Accelerated Monitoring

September 2012



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012
Lab ID: C12090804-001
Client Sample ID: MW-11_09192012

Report Date: 10/17/12
Collection Date: 09/19/12 13:45
Date Received: 09/21/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Manganese	130	ug/L		10		E200.8	10/05/12 13:18 / smm

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012
Lab ID: C12090804-002
Client Sample ID: MW-14_09182012

Report Date: 10/17/12
Collection Date: 09/18/12 14:30
Date Received: 09/21/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Manganese	2140	ug/L		10		E200.8	10/05/12 13:23 / smm

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012
Lab ID: C12090804-003
Client Sample ID: MW-25_09182012

Report Date: 10/17/12
Collection Date: 09/18/12 11:55
Date Received: 09/21/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Uranium	6.01	ug/L		0.30		E200.8	10/05/12 12:14 / smm

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012
Lab ID: C12090804-004
Client Sample ID: MW-26_09192012

Report Date: 10/17/12
Collection Date: 09/19/12 14:10
Date Received: 09/21/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	67	mg/L	D	2		E300.0	09/25/12 20:21 / wc
Nitrogen, Nitrate+Nitrite as N	1.8	mg/L		0.1		E353.2	09/27/12 16:08 / ljl
METALS - DISSOLVED							
Uranium	64.9	ug/L		0.30		E200.8	10/05/12 12:16 / smm
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L	H	20		SW8260B	10/06/12 06:50 / jlr
Benzene	ND	ug/L	H	1.0		SW8260B	10/06/12 06:50 / jlr
Carbon tetrachloride	ND	ug/L	H	1.0		SW8260B	10/06/12 06:50 / jlr
Chloroform	2300	ug/L	DH	100		SW8260B	10/04/12 03:14 / jk
Chloromethane	ND	ug/L	H	1.0		SW8260B	10/06/12 06:50 / jlr
Methyl ethyl ketone	ND	ug/L	H	20		SW8260B	10/06/12 06:50 / jlr
Methylene chloride	10	ug/L	H	1.0		SW8260B	10/06/12 06:50 / jlr
Naphthalene	ND	ug/L	H	1.0		SW8260B	10/06/12 06:50 / jlr
Toluene	ND	ug/L	H	1.0		SW8260B	10/06/12 06:50 / jlr
Xylenes, Total	ND	ug/L	H	1.0		SW8260B	10/06/12 06:50 / jlr
Surr: 1,2-Dichlorobenzene-d4	104	%REC	H	80-120		SW8260B	10/06/12 06:50 / jlr
Surr: Dibromofluoromethane	108	%REC	H	70-130		SW8260B	10/06/12 06:50 / jlr
Surr: p-Bromofluorobenzene	111	%REC	H	80-120		SW8260B	10/06/12 06:50 / jlr
Surr: Toluene-d8	114	%REC	H	80-120		SW8260B	10/06/12 06:50 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012
Lab ID: C12090804-005
Client Sample ID: MW-30_09192012

Report Date: 10/17/12
Collection Date: 09/19/12 11:30
Date Received: 09/21/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	130	mg/L		1		E300.0	10/15/12 22:41 / wc
Nitrogen, Nitrate+Nitrite as N	16	mg/L	D	2		E353.2	09/27/12 16:11 / lji
METALS - DISSOLVED							
Selenium	41.9	ug/L		5.0		E200.8	10/05/12 13:27 / smm
Uranium	7.67	ug/L		0.30		E200.8	10/05/12 13:27 / smm

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012
Lab ID: C12090804-006
Client Sample ID: MW-31_09182012

Report Date: 10/17/12
Collection Date: 09/18/12 13:30
Date Received: 09/21/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	172	mg/L		1		E300.0	09/25/12 20:56 / wc
Nitrogen, Nitrate+Nitrite as N	21	mg/L	D	2		E353.2	09/27/12 16:13 / ljl
Sulfate	561	mg/L	D	4		E300.0	09/25/12 20:56 / wc
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	1460	mg/L		10		A2540 C	09/24/12 16:05 / ab

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012
Lab ID: C12090804-007
Client Sample ID: MW-35_09192012

Report Date: 10/17/12
Collection Date: 09/19/12 09:15
Date Received: 09/21/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Manganese	283	ug/L		10		E200.8	10/05/12 13:32 / smm
Selenium	8.2	ug/L		5.0		E200.8	10/05/12 13:32 / smm
Thallium	0.54	ug/L		0.50		E200.8	10/05/12 13:32 / smm
Uranium	22.9	ug/L		0.30		E200.8	10/05/12 13:32 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	5.4	pCi/L				E900.1	10/04/12 08:32 / lbb
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	10/04/12 08:32 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	10/04/12 08:32 / lbb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012
Lab ID: C12090804-008
Client Sample ID: MW-65_09192012

Report Date: 10/17/12
Collection Date: 09/19/12 09:15
Date Received: 09/21/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Manganese	273	ug/L		10		E200.8	10/05/12 13:36 / smm
Selenium	9.7	ug/L		5.0		E200.8	10/05/12 13:36 / smm
Thallium	ND	ug/L		0.50		E200.8	10/05/12 13:36 / smm
Uranium	22.6	ug/L		0.30		E200.8	10/05/12 13:36 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	6.0	pCi/L				E900.1	10/04/12 08:32 / lbb
Gross Alpha minus Rn & U Precision (±)	0.6	pCi/L				E900.1	10/04/12 08:32 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	10/04/12 08:32 / lbb

Report Definitions:
 RL - Analyte reporting limit.
 QCL - Quality control limit.
 MDC - Minimum detectable concentration

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012
Lab ID: C12090804-009
Client Sample ID: Trip Blank 6746

Report Date: 10/17/12
Collection Date: 09/19/12
Date Received: 09/21/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L	H	20		SW8260B	10/05/12 16:22 / jlr
Benzene	ND	ug/L	H	1.0		SW8260B	10/05/12 16:22 / jlr
Carbon tetrachloride	ND	ug/L	H	1.0		SW8260B	10/05/12 16:22 / jlr
Chloroform	ND	ug/L	H	1.0		SW8260B	10/05/12 16:22 / jlr
Chloromethane	ND	ug/L	H	1.0		SW8260B	10/05/12 16:22 / jlr
Methyl ethyl ketone	ND	ug/L	H	20		SW8260B	10/05/12 16:22 / jlr
Methylene chloride	ND	ug/L	H	1.0		SW8260B	10/05/12 16:22 / jlr
Naphthalene	ND	ug/L	H	1.0		SW8260B	10/05/12 16:22 / jlr
Toluene	ND	ug/L	H	1.0		SW8260B	10/05/12 16:22 / jlr
Xylenes, Total	ND	ug/L	H	1.0		SW8260B	10/05/12 16:22 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC	H	80-120		SW8260B	10/05/12 16:22 / jlr
Surr: Dibromofluoromethane	102	%REC	H	70-130		SW8260B	10/05/12 16:22 / jlr
Surr: p-Bromofluorobenzene	107	%REC	H	80-120		SW8260B	10/05/12 16:22 / jlr
Surr: Toluene-d8	117	%REC	H	80-120		SW8260B	10/05/12 16:22 / jlr

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.
QCL - Quality control limit. ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.



LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012
Lab ID: C12090804-010
Client Sample ID: Temp Blank

Report Date: 10/17/12
Collection Date: 09/20/12
Date Received: 09/21/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	2.0	°C				E170.1	09/21/12 09:30 / kbh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



ANALYTICAL SUMMARY REPORT

October 17, 2012

Energy Fuels Resources (USA) Inc
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12090804 Quote ID: C1640 - POC Wells

Project Name: September Monthly Groundwater 2012

Energy Laboratories, Inc. Casper WY received the following 10 samples for Energy Fuels Resources (USA) Inc on 9/21/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12090804-001	MW-11_09192012	09/19/12 13:45	09/21/12	Aqueous	Metals by ICP-MS, Dissolved
C12090804-002	MW-14_09182012	09/18/12 14:30	09/21/12	Aqueous	Same As Above
C12090804-003	MW-25_09182012	09/18/12 11:55	09/21/12	Aqueous	Same As Above
C12090804-004	MW-26_09192012	09/19/12 14:10	09/21/12	Aqueous	E300.0 Anions Metals by ICP-MS, Dissolved Nitrogen, Nitrate + Nitrite SW8260B VOCs, Standard List
C12090804-005	MW-30_09192012	09/19/12 11:30	09/21/12	Aqueous	E300.0 Anions Metals by ICP-MS, Dissolved Nitrogen, Nitrate + Nitrite
C12090804-006	MW-31_09182012	09/18/12 13:30	09/21/12	Aqueous	E300.0 Anions Nitrogen, Nitrate + Nitrite Solids, Total Dissolved
C12090804-007	MW-35_09192012	09/19/12 9:15	09/21/12	Aqueous	Metals by ICP-MS, Dissolved Gross Alpha minus Rn222 and Uranium
C12090804-008	MW-65_09192012	09/19/12 9:15	09/21/12	Aqueous	Same As Above
C12090804-009	Trip Blank 6746	09/19/12 0:00	09/21/12	Aqueous	SW8260B VOCs, Standard List
C12090804-010	Temp Blank	09/20/12 0:00	09/21/12	Aqueous	Temperature

The results as reported relate only to the item(s) submitted for testing. The analyses presented in this report were performed at Energy Laboratories, Inc., 2393 Salt Creek Hwy., Casper, WY 82601, unless otherwise noted. Radiochemistry analyses were performed at Energy Laboratories, Inc., 2325 Kerzell Lane, Casper, WY 82601, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these test results, please call.

Report Approved By:

Stephanie D Waldrop
Reporting Supervisor

Digitally signed by
Stephanie Waldrop
Date: 2012.10.17 14:06:51 -06:00

CLIENT: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012
Sample Delivery Group: C12090804

Report Date: 10/17/12

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS

Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-cs - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001, Radiochemical WY200002; Utah: WY00002; Washington: C836

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012

Report Date: 10/17/12
Work Order: C12090804

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C										Batch: TDS120924A
Sample ID: MB-1_120924A		Method Blank								Run: BAL-1_120924B 09/24/12 15:39
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	10						
Sample ID: LCS-2_120924A		Laboratory Control Sample								Run: BAL-1_120924B 09/24/12 15:40
Solids, Total Dissolved TDS @ 180 C		990	mg/L	10	99	90	110			
Sample ID: C12090797-011A DUP		Sample Duplicate								Run: BAL-1_120924B 09/24/12 16:04
Solids, Total Dissolved TDS @ 180 C		349	mg/L	10				1.7	5	
Sample ID: C12090797-012A MS		Sample Matrix Spike								Run: BAL-1_120924B 09/24/12 16:04
Solids, Total Dissolved TDS @ 180 C		1210	mg/L	10	97	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012

Report Date: 10/17/12
Work Order: C12090804

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual	
Method: E200.8										Analytical Run: ICPMS2-C_121005A	
Sample ID: ICV		Initial Calibration Verification Standard								10/05/12 11:51	
Uranium		0.0537	mg/L	0.00030	107	90	110				
Method: E200.8										Batch: R165485	
Sample ID: LRB		Method Blank								Run: ICPMS2-C_121005A 10/05/12 12:05	
Uranium		ND	mg/L	0.00030							
Sample ID: LFB		Laboratory Fortified Blank								Run: ICPMS2-C_121005A 10/05/12 12:06	
Uranium		0.0519	mg/L	0.00030	104	85	115				
Sample ID: C12090801-004DMS		Sample Matrix Spike								Run: ICPMS2-C_121005A 10/05/12 15:35	
Uranium		0.0784	mg/L	0.00030	109	70	130				
Sample ID: C12090801-004DMSD		Sample Matrix Spike Duplicate								Run: ICPMS2-C_121005A 10/05/12 15:37	
Uranium		0.0778	mg/L	0.00030	108	70	130	0.9	20		
Method: E200.8										Analytical Run: ICPMS4-C_121005A	
Sample ID: ICV		4 Initial Calibration Verification Standard								10/05/12 12:30	
Manganese		0.0496	mg/L	0.0010	99	90	110				
Selenium		0.0514	mg/L	0.0010	103	90	110				
Thallium		0.0503	mg/L	0.0010	101	90	110				
Uranium		0.0503	mg/L	0.00030	101	90	110				
Method: E200.8										Batch: R165489	
Sample ID: LRB		4 Method Blank								Run: ICPMS4-C_121005A 10/05/12 13:05	
Manganese		ND	mg/L	0.010							
Selenium		ND	mg/L	0.0050							
Thallium		ND	mg/L	0.00050							
Uranium		ND	mg/L	0.00030							
Sample ID: LFB		4 Laboratory Fortified Blank								Run: ICPMS4-C_121005A 10/05/12 13:10	
Manganese		0.0518	mg/L	0.0010	104	85	115				
Selenium		0.0527	mg/L	0.0010	105	85	115				
Thallium		0.0514	mg/L	0.0010	103	85	115				
Uranium		0.0514	mg/L	0.00030	102	85	115				
Sample ID: C12090617-003BMS4		4 Sample Matrix Spike								Run: ICPMS4-C_121005A 10/05/12 18:52	
Manganese		0.0855	mg/L	0.0010	93	70	130				
Selenium		0.0447	mg/L	0.0010	89	70	130				
Thallium		0.0534	mg/L	0.00050	107	70	130				
Uranium		0.0565	mg/L	0.00030	111	70	130				
Sample ID: C12090617-003BMSD		4 Sample Matrix Spike Duplicate								Run: ICPMS4-C_121005A 10/05/12 18:56	
Manganese		0.0827	mg/L	0.0010	87	70	130	3.3	20		
Selenium		0.0446	mg/L	0.0010	89	70	130	0.3	20		
Thallium		0.0525	mg/L	0.00050	105	70	130	1.9	20		
Uranium		0.0552	mg/L	0.00030	108	70	130	2.2	20		

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012

Report Date: 10/17/12
Work Order: C12090804

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0								Analytical Run: IC2-C_120924B		
Sample ID: ICV-092412-10	2	Initial Calibration Verification Standard								09/24/12 17:03
Chloride		9.74	mg/L	1.0	97	90	110			
Sulfate		40.3	mg/L	1.0	101	90	110			
Method: E300.0								Batch: R165020		
Sample ID: ICB-092412-11	2	Method Blank								09/24/12 17:21
Chloride		ND	mg/L	1.0						
Sulfate		ND	mg/L	4.0						
Sample ID: LFB-092412-13	2	Laboratory Fortified Blank								09/24/12 17:56
Chloride		9.65	mg/L	1.0	97	90	110			
Sulfate		39.8	mg/L	1.0	100	90	110			
Sample ID: LFB-092412-14	2	Laboratory Fortified Blank Duplicate								09/24/12 18:13
Chloride		9.64	mg/L	1.0	96	90	110			
Sulfate		39.7	mg/L	1.0	99	90	110			
Sample ID: C12090797-012AMS	2	Sample Matrix Spike								09/25/12 19:29
Chloride		11.4	mg/L	1.0	99	90	110			
Sulfate		58.8	mg/L	1.0	101	90	110			
Sample ID: C12090797-012AMSD	2	Sample Matrix Spike Duplicate								09/25/12 19:46
Chloride		11.8	mg/L	1.0	103	90	110	3.3	10	
Sulfate		60.4	mg/L	1.0	106	90	110	2.7	10	
Method: E300.0								Analytical Run: IC2-C_121015A		
Sample ID: ICV		Initial Calibration Verification Standard								10/15/12 12:09
Chloride		9.99	mg/L	1.0	100	90	110			
Method: E300.0								Batch: R165865		
Sample ID: ICB		Method Blank								10/15/12 12:25
Chloride		ND	mg/L	1.0						
Sample ID: LFB		Laboratory Fortified Blank								10/15/12 12:40
Chloride		10.0	mg/L	1.0	100	90	110			
Sample ID: C12100562-001AMS		Sample Matrix Spike								10/15/12 23:59
Chloride		26.2	mg/L	1.0	98	90	110			
Sample ID: C12100562-001AMSD		Sample Matrix Spike Duplicate								10/16/12 00:14
Chloride		26.3	mg/L	1.0	99	90	110	0.4	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012

Report Date: 10/17/12
Work Order: C12090804

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R165111
Sample ID: MBLK-1		Method Blank								Run: TECHNICON_120927A 09/27/12 11:36
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.10						
Sample ID: LCS-2		Laboratory Control Sample								Run: TECHNICON_120927A 09/27/12 11:38
Nitrogen, Nitrate+Nitrite as N		2.56	mg/L	0.10	102	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank								Run: TECHNICON_120927A 09/27/12 11:41
Nitrogen, Nitrate+Nitrite as N		2.01	mg/L	0.10	102	90	110			
Sample ID: C12090797-009DMS		Sample Matrix Spike								Run: TECHNICON_120927A 09/27/12 15:56
Nitrogen, Nitrate+Nitrite as N		36.5	mg/L	1.0	116	90	110			S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.										
Sample ID: C12090797-009DMSD		Sample Matrix Spike Duplicate								Run: TECHNICON_120927A 09/27/12 15:58
Nitrogen, Nitrate+Nitrite as N		35.8	mg/L	1.0	113	90	110	1.9	10	S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.										

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012

Report Date: 10/17/12
Work Order: C12090804

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1										Batch: GA-0599
Sample ID: LCS-GA-0587		Laboratory Control Sample								Run: BERTHOLD 770-2_120927A 10/04/12 06:56
Gross Alpha minus Rn & U		19.4	pCi/L		93	80	120			
Sample ID: MB-GA-0587	3	Method Blank								Run: BERTHOLD 770-2_120927A 10/04/12 06:56
Gross Alpha minus Rn & U		0.141	pCi/L							U
Gross Alpha minus Rn & U Precision (±)		0.312	pCi/L							
Gross Alpha minus Rn & U MDC		0.497	pCi/L							
Sample ID: C12090790-002DMS		Sample Matrix Spike								Run: BERTHOLD 770-2_120927A 10/04/12 06:56
Gross Alpha minus Rn & U		42.9	pCi/L		105	70	130			
Sample ID: C12090790-002DMSD		Sample Matrix Spike Duplicate								Run: BERTHOLD 770-2_120927A 10/04/12 06:56
Gross Alpha minus Rn & U		40.5	pCi/L		96	70	130	5.7	25.5	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012

Report Date: 10/17/12
Work Order: C12090804

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R165488										
Sample ID: 05-Oct-12_LCS_4	15	Laboratory Control Sample					Run: GCMS2_121005A			10/05/12 14:04
Benzene	11	ug/L		1.0	109	70	130			
Carbon tetrachloride	11	ug/L		1.0	110	70	130			
Chloroform	10	ug/L		1.0	103	70	130			
Chloromethane	12	ug/L		1.0	122	70	130			
m+p-Xylenes	21	ug/L		1.0	105	70	130			
Methyl ethyl ketone	80	ug/L		20	80	70	130			
Methylene chloride	9.6	ug/L		1.0	96	70	130			
Naphthalene	11	ug/L		1.0	112	70	130			
o-Xylene	11	ug/L		1.0	111	70	130			
Toluene	11	ug/L		1.0	115	70	130			
Xylenes, Total	32	ug/L		1.0	107	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	96	80	120			
Surr: Dibromofluoromethane				1.0	97	70	130			
Surr: p-Bromofluorobenzene				1.0	98	80	130			
Surr: Toluene-d8				1.0	113	80	120			
Sample ID: 05-Oct-12_MBLK_6	15	Method Blank					Run: GCMS2_121005A			10/05/12 15:13
Benzene		ND	ug/L	1.0						
Carbon tetrachloride		ND	ug/L	1.0						
Chloroform		ND	ug/L	1.0						
Chloromethane		ND	ug/L	1.0						
m+p-Xylenes		ND	ug/L	1.0						
Methyl ethyl ketone		ND	ug/L	20						
Methylene chloride		ND	ug/L	1.0						
Naphthalene		ND	ug/L	1.0						
o-Xylene		ND	ug/L	1.0						
Toluene		ND	ug/L	1.0						
Xylenes, Total		ND	ug/L	1.0						
Surr: 1,2-Dichlorobenzene-d4				1.0	103	80	120			
Surr: Dibromofluoromethane				1.0	95	70	130			
Surr: p-Bromofluorobenzene				1.0	106	80	120			
Surr: Toluene-d8				1.0	118	80	120			
Sample ID: C12090918-004AMS	15	Sample Matrix Spike					Run: GCMS2_121005A			10/05/12 21:00
Benzene	220	ug/L		10	108	70	130			
Carbon tetrachloride	230	ug/L		10	114	70	130			
Chloroform	210	ug/L		10	107	70	130			
Chloromethane	220	ug/L		10	110	70	130			
m+p-Xylenes	400	ug/L		10	101	70	130			
Methyl ethyl ketone	1600	ug/L		200	78	70	130			
Methylene chloride	200	ug/L		10	98	70	130			
Naphthalene	200	ug/L		10	100	70	130			
o-Xylene	210	ug/L		10	107	70	130			
Toluene	240	ug/L		10	118	70	130			
Xylenes, Total	620	ug/L		10	103	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012

Report Date: 10/17/12
Work Order: C12090804

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R165488										
Sample ID: C12090918-004AMS	15	Sample Matrix Spike								
Run: GCMS2_121005A										
10/05/12 21:00										
Surr: 1,2-Dichlorobenzene-d4				1.0	97	80	120			
Surr: Dibromofluoromethane				1.0	102	70	130			
Surr: p-Bromofluorobenzene				1.0	98	80	120			
Surr: Toluene-d8				1.0	115	80	120			
Sample ID: C12090918-004AMSD	15	Sample Matrix Spike Duplicate								
Run: GCMS2_121005A										
10/05/12 21:35										
Benzene		220	ug/L	10	110	70	130	2.2	20	
Carbon tetrachloride		230	ug/L	10	115	70	130	0.7	20	
Chloroform		220	ug/L	10	109	70	130	1.5	20	
Chloromethane		230	ug/L	10	116	70	130	5.3	20	
m+p-Xylenes		400	ug/L	10	101	70	130	0.2	20	
Methyl ethyl ketone		1600	ug/L	200	79	70	130	2.0	20	
Methylene chloride		200	ug/L	10	101	70	130	3.2	20	
Naphthalene		240	ug/L	10	119	70	130	18	20	
o-Xylene		220	ug/L	10	108	70	130	0.7	20	
Toluene		240	ug/L	10	118	70	130	0.3	20	
Xylenes, Total		620	ug/L	10	103	70	130	0.4	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	98	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	98	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	100	80	120	0.0	10	
Surr: Toluene-d8				1.0	112	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Energy Fuels Resources (USA) Inc
Project: September Monthly Groundwater 2012

Report Date: 10/17/12
Work Order: C12090804

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										
Batch: R165644										
Sample ID: 100312_LCS_17	5	Laboratory Control Sample								
Run: SATURNCA_121003B										
Chloroform		10	ug/L	1.0	105	70	130			10/03/12 23:02
Surr: 1,2-Dichlorobenzene-d4				1.0	100	80	120			
Surr: Dibromofluoromethane				1.0	106	70	130			
Surr: p-Bromofluorobenzene				1.0	102	80	130			
Surr: Toluene-d8				1.0	102	80	120			
Sample ID: 100312_MBLK_19	5	Method Blank								
Run: SATURNCA_121003B										
Chloroform		ND	ug/L	1.0						10/04/12 00:14
Surr: 1,2-Dichlorobenzene-d4				1.0	98	80	120			
Surr: Dibromofluoromethane				1.0	108	70	130			
Surr: p-Bromofluorobenzene				1.0	96	80	120			
Surr: Toluene-d8				1.0	99	80	120			
Sample ID: C12090804-004DMS	5	Sample Matrix Spike								
Run: SATURNCA_121003B										
Chloroform		4200	ug/L	100	96	70	130			10/04/12 03:50
Surr: 1,2-Dichlorobenzene-d4				1.0	106	80	120			
Surr: Dibromofluoromethane				1.0	113	70	130			
Surr: p-Bromofluorobenzene				1.0	107	80	120			
Surr: Toluene-d8				1.0	100	80	120			
Sample ID: C12090804-004DMSD	5	Sample Matrix Spike Duplicate								
Run: SATURNCA_121003B										
Chloroform		4400	ug/L	100	106	70	130	4.6	20	10/04/12 04:26
Surr: 1,2-Dichlorobenzene-d4				1.0	98	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	111	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	98	80	120	0.0	10	
Surr: Toluene-d8				1.0	103	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration



Standard Reporting Procedures

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Workorder Receipt Checklist

Energy Fuels Resources (USA) Inc

C12090804

Login completed by: Kerri Schroeder

Date Received: 9/21/2012

Reviewed by: BL2000\smead

Received by: ks

Reviewed Date: 9/24/2012

Carrier NDA
name:

- | | | | |
|---|---|-----------------------------|---|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Not Present <input checked="" type="checkbox"/> |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| All samples received within holding time?
(Exclude analyses that are considered field parameters
such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.) | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Temp Blank received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |
| Container/Temp Blank temperature: | 2.0°C | | |
| Water - VOA vials have zero headspace? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | No VOA vials submitted <input type="checkbox"/> |
| Water - pH acceptable upon receipt? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Applicable <input type="checkbox"/> |

Contact and Corrective Action Comments:

None



Chain of Custody and Analytical Request Record

PLEASE PRINT (Provide as much information as possible.)

Company Name: Energy Fuels	Project Name, PWS, Permit, Etc. September Monthly Ground Water ²⁰¹²	Sample Origin State: UT	EPA/State Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Report Mail Address: PO BOX 809 Blanding UT 84511	Contact Name: Garrin Palmer	Phone/Fax: 435 678 2221	Email: Tanner Holliday
Invoice Address: Same	Invoice Contact & Phone: David Turk 435 678 2221	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:

DW EDD/EDT (Electronic Data)
 POTW/WWTP Format: _____
 State: _____ LEVEL IV
 Other: _____ NELAC

Number of Containers Sample Type: A W S V B O DW Air Water Solids/Solids Vegetation Bioassay Other DW - Drinking Water	ANALYSIS REQUESTED									
	Manganese	Uranium	Nitrate + Nitrite	Chloro + Dichloro	Chloride	Selenium	TDS	Sulfate	Thallium	Alpha SEE ATTACHED
	X									
	X									
		X								
	X	X	X	X						
	X	X		X	X					
		X		X		X	X			
	X	X			X			X	X	
	X	X			X			X	X	

Standard Turnaround (TAT) →

**R
U
S
H**

Contact ELI prior to RUSH sample submittal for charges and scheduling - See Instruction Page

Comments:

Shipped by:
Fed-Ex NDA

Cooler ID(s):
Client

Receipt Temp:
2.0 TB °C

On Ice: Y N

Custody Seal
On Bottle: Y N
On Cooler: Y N

Intact: Y N

Signature Match: Y N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Manganese	Uranium	Nitrate + Nitrite	Chloro + Dichloro	Chloride	Selenium	TDS	Sulfate	Thallium	Alpha SEE ATTACHED
¹ MW-11-09192012	9/19/12	1345	1-W	X									
² MW-14-09182012	9/18/12	1430	1-W	X									
³ MW-25-09182012	9/18/12	1155	1-W		X								
⁴ MW-26-09192012	9/19/12	1410	6-W	X	X	X	X						
⁵ MW-30-09192012	9/19/12	1130	3-W	X	X		X	X					
⁶ MW-31-09182012	9/18/12	1330	2-W		X		X		X	X			
⁷ MW-35-09192012	9/19/12	0915	1-W	X	X			X			X	X	
⁸ MW-65-09192012	9/19/12	0915	1-W	X	X			X			X	X	
⁹ Trip Blank 6746	9/19/12												
¹⁰ Temp Blank													

LABORATORY USE ONLY

Custody Record MUST be Signed	Relinquished by (print): Tanner Holliday	Date/Time: 9/20/2012 1100	Signature: <i>Tanner Holliday</i>	Received by (print):	Date/Time:	Signature:
	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Sample Disposal: Return to Client:	Lab Disposal:	Received by Laboratory: <i>B. Schaeffer</i>	Date/Time: 9/21/12 09:30	Signature:	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Tab G

Quality Assurance and Data Validation Tables

G-1A: Routine Field Data QA/QC Evaluation

Well	Sample Date	Time Req'd for 2 Casings	Time Pumped (min)	Amount Sufficient?	Conductance		RPD(%)	pH		RPD(%)	Temp (°C)		RPD(%)	Redox Potential (Eh)		RPD(%)	Turbidity (NTU)		>5 NTU	RPD(%)
MW-2	7/16/2012	114.16	120	Y	3735	3732	0.08	7.24	7.23	0.14	15.55	15.52	0.19	300	293	2.36	0	0	N	0.00
MW-3	7/18/2012	48.69	75	Y	5685	5690	0.09	6.99	6.99	0.00	16.17	16.19	0.12	308	305	0.98	0	0	N	0.00
MW-3A	7/19/2012	61.84	65	Pumped dry	5960	5978	0.30	7.07	7.01	0.85	16.52	16.41	0.67	336	330	1.80	0	0.9	N	200.00
MW-5	7/16/2012	192.71	200	Y	2937	2941	0.14	7.59	7.6	0.13	16.3	16.26	0.25	163	160	1.86	1.6	1.6	N	0.00
MW-11	7/11/2012	252.05	275	Y	2800.0	2846.0	1.63	7.76	7.74	0.26	17.03	17.00	0.18	99	97	2.04	0	0	N	0.00
MW-12	7/17/2012	132.10	135	Y	4178	4171	0.17	6.99	6.98	0.14	16.08	16.09	0.06	302	298	1.33	11.8	11.6	Y	NC
MW-14	7/11/2012	149.25	180	Y	3935	3928	0.18	6.89	6.89	0.00	15.61	15.60	0.06	218	217	0.46	0	0	N	0.00
MW-15	7/17/2012	183.86	185	Y	4286	4294	0.19	7.05	7.05	0.00	15.46	15.52	0.39	254	252	0.79	0	0	N	0.00
MW-18	7/18/2012	384.57	390	Y	3471	3469	0.06	6.64	6.64	0.00	15.94	15.98	0.25	210	207	1.44	2.4	2.4	N	0.00
MW-19	7/19/2012	575.66	598	Y	1782	1782	0.00	7.20	7.21	0.14	14.77	14.85	0.54	310	306	1.30	0	0	N	0.00
MW-23	7/17/2012	130.91	135	Pumped dry	3856	3861	0.13	7.08	7.10	0.28	17.78	18.21	2.39	336	318	5.50	4.2	4.9	N	15.38
MW-24	7/18/2012	38.33	40	Pumped dry	4405	4412	0.16	6.55	6.45	1.54	16.55	16.35	1.22	314	300	4.56	0.2	0.3	N	40.00
MW-25	7/10/2012	248.26	275	Y	3217	3222	0.16	6.88	6.88	0.00	15.80	15.79	0.06	345	335	2.94	11.7	11.8	Y	0.85
MW-26	7/11/2012	Continuously pumped well			3445		NC	7.10		NC	16.20		NC	183		NC	0		N	NC
MW-26 Resample	8/16/2012	Continuously pumped well			3425		NC	6.80		NC	14.95		NC	154		NC	0		N	NC
MW-27	7/16/2012	262.70	270	Y	1580	1578	0.13	7.40	7.40	0.00	15.02	15.01	0.07	302	299	1.00	0	0	N	0.00
MW-28	7/16/2012	201.19	210	Y	3965	3970	0.13	6.38	6.38	0.00	15.18	15.17	0.07	358	352	1.69	0	0	N	0.00
MW-28 Resample	8/1/2012	200.65	230	Y	3944	3939	0.13	5.80	5.81	0.17	15.75	15.72	0.19	316	312	1.27	0	0	N	0.00
MW-29	7/10/2012	149.49	150	Y	4598	4620	0.48	6.68	6.68	0.00	16.45	16.41	0.24	182	181	0.55	21.2	21.5	Y	1.41
MW-29 Resample	8/1/2012	149.73	160	Y	4578	4585	0.15	6.44	6.45	0.16	15.97	15.89	0.50	192	190	1.05	14.1	14.2	Y	0.71
MW-30	7/10/2012	204.32	205	Y	2054	2062	0.39	7.25	7.25	0.00	15.50	15.53	0.19	238	235	1.27	0	0	N	0.00
MW-31	7/9/2012	372.54	375	Y	1923	1921	0.10	7.53	7.53	0.00	15.30	15.27	0.20	249	243	2.44	0	0	N	0.00
MW-32	7/9/2012	347.56	360	Y	3906	3910	0.10	6.74	6.72	0.30	15.18	15.19	0.07	184	184	0.00	6.7	6.9	Y	2.94
MW-35	7/10/2012	72.82	80	Y	4117	4023	2.31	6.87	6.87	0.00	16.94	16.89	0.30	200	198	1.01	0	0	N	0.00
MW-36	7/11/2012	66.50	85	Y	4960	4963	0.06	7.20	7.20	0.00	15.60	15.61	0.06	382	377	1.32	0	0	N	0.00
MW-37	7/30/2012	NA			4488	4497	0.20	6.96	6.90	0.87	21.10	19.80	6.36	280	259	7.79	4.9	24.5	Y	133.33

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. Per the QAP, only one set of parameters are required to be collected from continuously pumped wells.

Well was purged dry.

N/A = The amount of water in the well was insufficient to pump. The pump was not able to operate due to the minimal amount of water. The well was purged and sampled with a bailer.

NC = Not calculated.

RPD >10%. Per the revised QAP Revision 7.2, Attachment 2-3, when a well is purged to dryness, only pH, temperature and specific conductance parameters are required to be within 10% RPD. Redox potential and turbidity parameters are measured for information purposes only and as such are not required to meet the 10% RPD criteria used for pH, specific conductance and temperature.

G-1B: Accelerated Field Data QA/QC Evaluation

Well	Sample Date	Time Req'd for 2 Casings	Time Pumped (min)	Amount Sufficient?	Conductance		RPD(%)	pH		RPD(%)	Temp (°C)		RPD(%)	Redox Potential (Eh)		RPD(%)	Turbidity (NTU)		<5 (NTU)	RPD(%)
Accelerated January Monthly																				
MW-11	8/7/2012	252.5	260	Y	2876	2883	0.24	7.42	7.43	0.13	16.02	16.27	1.55	134	127	5.36	0	0	Y	0.00
MW-14	8/7/2012	149.5	161	Y	3892	3883	0.23	6.54	6.58	0.61	16.07	16.01	0.37	370	359	3.02	0	0	Y	0.00
MW-25	8/6/2012	251.4	255	Y	3221	3226	0.16	6.52	6.55	0.46	15.78	15.79	0.06	347	337	2.92	3.0	3.1	Y	3.28
MW-26	8/8/2012	Continuously pumped well			3136		NC	6.6		NC	15.71		NC	125		NC	0		Y	NC
MW-30	8/7/2012	204.7	215	Y	2057	2054	0.15	6.92	6.95	0.43	15.39	15.38	0.06	313	304	2.92	0	0	Y	0.00
MW-31	8/6/2012	372.3	395	Y	1925	1927	0.10	6.95	6.96	0.14	15.90	15.88	0.13	305	295	3.33	2.4	2.4	Y	0.00
MW-35	8/8/2012	73.1	105	Y	4154	4145	0.22	6.74	6.74	0.00	15.15	15.13	0.13	263	251	4.67	0	0	Y	0.00
Accelerated March Monthly																				
MW-11	9/19/2012	253.1	255	Y	2876	2881	0.17	7.96	7.91	0.63	15.33	15.34	0.07	74	72	2.74	0	0	Y	0.00
MW-14	9/18/2012	149.3	150	Y	3929	3928	0.03	7.10	7.08	0.28	15.14	15.20	0.40	80	79	1.26	0	0	Y	0.00
MW-25	9/18/2012	249.2	265	Y	3235	3225	0.31	6.56	6.54	0.31	15.00	14.99	0.07	251	253	0.00	0.7	0.7	Y	0.00
MW-26	9/19/2012	Continuously pumped well			3418		NC	7.40		NC	15.91		NC	151		NC	1.0		Y	NC
MW-30	9/19/2012	205.5	225	Y	2066	2069	0.15	7.91	7.85	0.76	15.31	15.30	0.07	191	196	2.58	0	0	Y	0.00
MW-31	9/18/2012	373.1	375	Y	1946	1939	0.36	7.10	7.10	0.00	14.93	14.91	0.13	247	248	0.40	8.9	8.9	N	0.00
MW-35	9/19/2012	73.2	80	Y	4166	4172	0.14	6.80	6.81	0.15	14.60	14.60	0.00	165	165	0.00	0.7	0.7	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: Holding Time Evaluation

Constituent	QAP Holding Time	MW-2 7/16/2012	MW-3 7/18/2012	MW-3A 7/19/2012	MW-5 7/16/2012
2-Butanone (MEK)	14 days	--	--	--	--
Acetone	14 days	--	--	--	--
Ammonia (as N)	28 days	--	--	--	--
Arsenic	6 months	--	--	--	--
Benzene	14 days	--	--	--	--
Beryllium	6 months	--	--	--	--
Cadmium	6 months	--	--	--	--
Carbon Tetrachloride	14 days	--	--	--	--
Chloride (mg/L)	28 days	--	--	--	--
Chloroform	14 days	--	--	--	--
Chloromethane	14 days	--	--	--	--
Chromium	6 months	--	--	--	--
Cobalt	6 months	--	--	--	--
Copper	6 months	--	--	--	--
Dichloromethane (Methylene Chloride)	14 days	--	--	--	--
Fluoride (Mg/L)	28 days	--	5 days	--	--
Gross Alpha minus Rn & U MDC	6 months	16 days	--	--	--
Gross Alpha minus Rn & U Precision (\pm)	6 months	16 days	--	--	--
Gross Alpha minus Rn & U	6 months	16 days	--	--	--
Iron	6 months	--	--	--	--
Lab pH (S.U.)	--	--	--	--	--
Lead	6 months	--	--	--	--
Manganese	6 months	--	--	--	--
Mercury	28 days	--	--	--	--
Molybdenum	6 months	--	--	--	--
Naphthalene	14 days	--	--	--	--
Nickel	6 months	--	--	--	--
Nitrate + Nitrite (as N)	28 days	--	--	--	--
Selenium	6 months	--	18 days	25 days	--
Silver	6 months	--	--	--	--
Sulfate (mg/L)	28 days	--	--	6 days	--
TDS (mg/L)	7 days	--	--	4 days	--
Tetrahydrofuran	14 days	--	--	--	--
Thallium	6 months	--	--	--	--
Tin	6 months	--	--	--	--
Toluene	14 days	--	--	--	--
Uranium	6 months	--	--	--	20 days
Vanadium	6 months	--	--	--	--
Xylenes (total)	14 days	--	--	--	--
Zinc	6 months	--	--	--	--
A/C Balance (\pm 5) BALANCE-W	--	--	--	--	--
Anions BALANCE-W	--	--	--	--	--
Bicarbonate as HCO ₃	14 days	--	--	--	--
Calcium	6 months	--	--	--	--
Carbonate as CO ₃	14 days	--	--	--	--
Cations BALANCE-W	--	--	--	--	--
Magnesium	6 months	--	--	--	--
Potassium	6 months	--	--	--	--
Sodium	6 months	--	--	--	--

G-2A: Holding Time Evaluation

Constituent	QAP Holding Time	MW-11 7/11/2012	MW-12 7/17/2012	MW-14 7/11/2012	MW-15 7/17/2012
2-Butanone (MEK)	14 days	13 days	--	13 days	--
Acetone	14 days	13 days	--	13 days	--
Ammonia (as N)	28 days	6 days	--	6 days	--
Arsenic	6 months	14 days	--	14 days	--
Benzene	14 days	13 days	--	13 days	--
Beryllium	6 months	21 days	--	21 days	--
Cadmium	6 months	14 days	--	14 days	--
Carbon Tetrachloride	14 days	13 days	--	13 days	--
Chloride (mg/L)	28 days	8 days	--	8 days	--
Chloroform	14 days	13 days	--	13 days	--
Chloromethane	14 days	13 days	--	13 days	--
Chromium	6 months	14 days	--	14 days	--
Cobalt	6 months	14 days	--	14 days	--
Copper	6 months	14 days	--	14 days	--
Dichloromethane (Methylene Chloride)	14 days	13 days	--	13 days	--
Fluoride (Mg/L)	28 days	2 days	--	2 days	--
Gross Alpha minus Rn & U MDC	6 months	28 days	--	28 days	--
Gross Alpha minus Rn & U Precision (\pm)	6 months	28 days	--	28 days	--
Gross Alpha minus Rn & U	6 months	28 days	--	28 days	--
Iron	6 months	7 days	--	7 days	6 days
Lab pH (S.U.)	--	2 days	--	2 days	--
Lead	6 months	14 days	--	14 days	--
Manganese	6 months	14 days	--	14 days	--
Mercury	28 days	21 days	--	21 days	--
Molybdenum	6 months	14 days	--	14 days	--
Naphthalene	14 days	13 days	--	13 days	--
Nickel	6 months	14 days	--	14 days	--
Nitrate + Nitrite (as N)	28 days	5 days	--	5 days	--
Selenium	6 months	14 days	19 days	14 days	19 days
Silver	6 months	14 days	--	14 days	--
Sulfate (mg/L)	28 days	9 days	--	9 days	--
TDS (mg/L)	7 days	2 days	--	2 days	--
Tetrahydrofuran	14 days	2 days	--	2 days	--
Thallium	6 months	14 days	--	14 days	--
Tin	6 months	1 days	--	1 days	--
Toluene	14 days	13 days	--	13 days	--
Uranium	6 months	14 days	--	14 days	--
Vanadium	6 months	14 days	--	14 days	--
Xylenes (total)	14 days	13 days	--	13 days	--
Zinc	6 months	14 days	--	14 days	--
A/C Balance (\pm 5) BALANCE-W	--	28 days	--	28 days	--
Anions BALANCE-W	--	28 days	--	28 days	--
Bicarbonate as HCO ₃	14 days	2 days	--	2 days	--
Calcium	6 months	7 days	--	7 days	--
Carbonate as CO ₃	14 days	2 days	--	2 days	--
Cations BALANCE-W	--	28 days	--	28 days	--
Magnesium	6 months	7 days	--	7 days	--
Potassium	6 months	7 days	--	7 days	--
Sodium	6 months	7 days	--	7 days	--

G-2A: Holding Time Evaluation

Constituent	QAP Holding Time	MW-18 7/18/2012	MW-19 7/19/2012	MW-23 7/17/2012	MW-24 7/18/2012
2-Butanone (MEK)	14 days	--	--	--	--
Acetone	14 days	--	--	--	--
Ammonia (as N)	28 days	--	--	--	--
Arsenic	6 months	--	--	--	--
Benzene	14 days	--	--	--	--
Beryllium	6 months	--	--	--	--
Cadmium	6 months	--	--	--	18 days
Carbon Tetrachloride	14 days	--	--	--	--
Chloride (mg/L)	28 days	--	--	--	--
Chloroform	14 days	--	--	--	--
Chloromethane	14 days	--	--	--	--
Chromium	6 months	--	--	--	--
Cobalt	6 months	--	--	--	--
Copper	6 months	--	--	--	--
Dichloromethane (Methylene Chloride)	14 days	--	--	--	--
Fluoride (Mg/L)	28 days	--	--	--	--
Gross Alpha minus Rn & U MDC	6 months	--	--	--	--
Gross Alpha minus Rn & U Precision (\pm)	6 months	--	--	--	--
Gross Alpha minus Rn & U	6 months	--	--	--	--
Iron	6 months	--	--	--	--
Lab pH (S.U.)	--	--	--	--	--
Lead	6 months	--	--	--	--
Manganese	6 months	--	--	24 days	--
Mercury	28 days	--	--	--	--
Molybdenum	6 months	--	--	--	--
Naphthalene	14 days	--	--	--	--
Nickel	6 months	--	--	--	--
Nitrate + Nitrite (as N)	28 days	--	6 days	--	--
Selenium	6 months	--	--	--	--
Silver	6 months	--	--	--	--
Sulfate (mg/L)	28 days	7 days	--	--	--
TDS (mg/L)	7 days	5 days	--	--	--
Tetrahydrofuran	14 days	--	--	--	--
Thallium	6 months	18 days	--	--	20 days
Tin	6 months	--	--	--	--
Toluene	14 days	--	--	--	--
Uranium	6 months	--	--	--	--
Vanadium	6 months	--	--	--	--
Xylenes (total)	14 days	--	--	--	--
Zinc	6 months	--	--	--	--
A/C Balance (\pm 5) BALANCE-W	--	--	--	--	--
Anions BALANCE-W	--	--	--	--	--
Bicarbonate as HCO ₃	14 days	--	--	--	--
Calcium	6 months	--	--	--	--
Carbonate as CO ₃	14 days	--	--	--	--
Cations BALANCE-W	--	--	--	--	--
Magnesium	6 months	--	--	--	--
Potassium	6 months	--	--	--	--
Sodium	6 months	--	--	--	--

G-2A: Holding Time Evaluation

Constituent	QAP Holding Time	MW-25 7/10/2012	MW-26 7/11/2012	MW-26 8/16/2012	MW-27 7/16/2012
2-Butanone (MEK)	14 days	10 days	--	6 days	--
Acetone	14 days	10 days	--	6 days	--
Ammonia (as N)	28 days	7 days	6 days	--	--
Arsenic	6 months	15 days	14 days	--	--
Benzene	14 days	10 days	--	6 days	--
Beryllium	6 months	22 days	21 days	--	--
Cadmium	6 months	15 days	14 days	--	--
Carbon Tetrachloride	14 days	10 days	--	6 days	--
Chloride (mg/L)	28 days	9 days	8 days	--	9 days
Chloroform	14 days	10 days	--	13 days	--
Chloromethane	14 days	10 days	--	6 days	--
Chromium	6 months	15 days	14 days	--	--
Cobalt	6 months	15 days	14 days	--	--
Copper	6 months	15 days	14 days	--	--
Dichloromethane (Methylene Chloride)	14 days	10 days	--	6 days	--
Fluoride (Mg/L)	28 days	3 days	2 days	--	--
Gross Alpha minus Rn & U MDC	6 months	29 days	28 days	--	16 days
Gross Alpha minus Rn & U Precision (\pm)	6 months	29 days	28 days	--	16 days
Gross Alpha minus Rn & U	6 months	29 days	28 days	--	16 days
Iron	6 months	8 days	7 days	--	--
Lab pH (S.U.)	--	3 days	2 days	--	--
Lead	6 months	15 days	14 days	--	--
Manganese	6 months	15 days	14 days	--	--
Mercury	28 days	22 days	21 days	--	--
Molybdenum	6 months	15 days	14 days	--	--
Naphthalene	14 days	10 days	--	6 days	--
Nickel	6 months	15 days	14 days	--	--
Nitrate + Nitrite (as N)	28 days	6 days	5 days	--	9 days
Selenium	6 months	15 days	21 days	--	--
Silver	6 months	15 days	14 days	--	--
Sulfate (mg/L)	28 days	10 days	9 days	--	9 days
TDS (mg/L)	7 days	3 days	2 days	--	7 days
Tetrahydrofuran	14 days	3 days	2 days	--	--
Thallium	6 months	15 days	14 days	--	--
Tin	6 months	2 days	1 days	--	--
Toluene	14 days	10 days	--	6 days	--
Uranium	6 months	15 days	14 days	--	--
Vanadium	6 months	15 days	14 days	--	--
Xylenes (total)	14 days	10 days	--	6 days	--
Zinc	6 months	15 days	14 days	--	--
A/C Balance (\pm 5) BALANCE-W	--	29 days	28 days	--	--
Anions BALANCE-W	--	29 days	28 days	--	--
Bicarbonate as HCO ₃	14 days	3 days	2 days	--	--
Calcium	6 months	8 days	8 days	--	--
Carbonate as CO ₃	14 days	3 days	2 days	--	--
Cations BALANCE-W	--	29 days	28 days	--	--
Magnesium	6 months	8 days	7 days	--	--
Potassium	6 months	8 days	7 days	--	--
Sodium	6 months	8 days	7 days	--	--

G-2A: Holding Time Evaluation

Constituent	QAP Holding Time	MW-28 7/16/2012	MW-28 8/1/2012	MW-29 7/10/2012	MW-29 8/1/2012
2-Butanone (MEK)	14 days	--	--	--	--
Acetone	14 days	--	--	--	--
Ammonia (as N)	28 days	--	--	--	--
Arsenic	6 months	--	--	--	--
Benzene	14 days	--	--	--	--
Beryllium	6 months	--	--	--	--
Cadmium	6 months	--	--	--	--
Carbon Tetrachloride	14 days	--	--	--	--
Chloride (mg/L)	28 days	11 days	--	--	--
Chloroform	14 days	--	--	--	--
Chloromethane	14 days	--	--	--	--
Chromium	6 months	--	--	--	--
Cobalt	6 months	--	--	--	--
Copper	6 months	--	--	--	--
Dichloromethane (Methylene Chloride)	14 days	--	--	--	--
Fluoride (Mg/L)	28 days	--	--	--	--
Gross Alpha minus Rn & U MDC	6 months	--	--	--	--
Gross Alpha minus Rn & U Precision (\pm)	6 months	--	--	--	--
Gross Alpha minus Rn & U	6 months	--	--	--	--
Iron	6 months	--	--	6 days	--
Lab pH (S.U.)	--	--	--	--	--
Lead	6 months	--	--	--	--
Manganese	6 months	--	19 days	--	19 days
Mercury	28 days	--	--	--	--
Molybdenum	6 months	--	--	--	--
Naphthalene	14 days	--	--	--	--
Nickel	6 months	--	--	--	--
Nitrate + Nitrite (as N)	28 days	--	--	--	--
Selenium	6 months	--	--	--	--
Silver	6 months	--	--	--	--
Sulfate (mg/L)	28 days	--	--	--	--
TDS (mg/L)	7 days	--	--	--	5 days
Tetrahydrofuran	14 days	--	--	--	--
Thallium	6 months	--	--	--	--
Tin	6 months	--	--	--	--
Toluene	14 days	--	--	--	--
Uranium	6 months	--	--	--	--
Vanadium	6 months	--	--	--	--
Xylenes (total)	14 days	--	--	--	--
Zinc	6 months	--	--	--	--
A/C Balance (\pm 5) BALANCE-W	--	--	--	--	--
Anions BALANCE-W	--	--	--	--	--
Bicarbonate as HCO ₃	14 days	--	--	--	--
Calcium	6 months	--	--	--	--
Carbonate as CO ₃	14 days	--	--	--	--
Cations BALANCE-W	--	--	--	--	--
Magnesium	6 months	--	--	--	--
Potassium	6 months	--	--	--	--
Sodium	6 months	--	--	--	--

G-2A: Holding Time Evaluation

Constituent	QAP Holding Time	MW-30 7/10/2012	MW-31 7/9/2012	MW-32 7/9/2012	MW-35 7/10/2012
2-Butanone (MEK)	14 days	10 days	9 days	--	9 days
Acetone	14 days	10 days	9 days	--	9 days
Ammonia (as N)	28 days	7 days	8 days	--	7 days
Arsenic	6 months	15 days	16 days	--	15 days
Benzene	14 days	10 days	9 days	--	9 days
Beryllium	6 months	22 days	23 days	--	22 days
Cadmium	6 months	15 days	16 days	--	15 days
Carbon Tetrachloride	14 days	10 days	9 days	--	9 days
Chloride (mg/L)	28 days	9 days	10 days	--	9 days
Chloroform	14 days	10 days	9 days	--	9 days
Chloromethane	14 days	10 days	9 days	--	9 days
Chromium	6 months	15 days	16 days	--	15 days
Cobalt	6 months	15 days	16 days	--	15 days
Copper	6 months	15 days	16 days	--	15 days
Dichloromethane (Methylene Chloride)	14 days	10 days	9 days	--	9 days
Fluoride (Mg/L)	28 days	3 days	4 days	--	3 days
Gross Alpha minus Rn & U MDC	6 months	29 days	30 days	30 days	30 days
Gross Alpha minus Rn & U Precision (\pm)	6 months	29 days	30 days	30 days	30 days
Gross Alpha minus Rn & U	6 months	29 days	30 days	30 days	30 days
Iron	6 months	8 days	9 days	--	8 days
Lab pH (S.U.)	--	3 days	4 days	--	3 days
Lead	6 months	15 days	16 days	--	15 days
Manganese	6 months	15 days	16 days	--	15 days
Mercury	28 days	22 days	23 days	--	22 days
Molybdenum	6 months	15 days	16 days	--	15 days
Naphthalene	14 days	10 days	9 days	--	9 days
Nickel	6 months	15 days	16 days	--	15 days
Nitrate + Nitrite (as N)	28 days	6 days	7 days	--	6 days
Selenium	6 months	15 days	16 days	--	15 days
Silver	6 months	15 days	16 days	--	15 days
Sulfate (mg/L)	28 days	10 days	11 days	--	10 days
TDS (mg/L)	7 days	3 days	4 days	--	3 days
Tetrahydrofuran	14 days	3 days	4 days	--	3 days
Thallium	6 months	15 days	16 days	--	15 days
Tin	6 months	2 days	3 days	--	2 days
Toluene	14 days	10 days	9 days	--	9 days
Uranium	6 months	15 days	16 days	--	15 days
Vanadium	6 months	15 days	16 days	--	15 days
Xylenes (total)	14 days	10 days	9 days	--	9 days
Zinc	6 months	15 days	16 days	--	15 days
A/C Balance (\pm 5) BALANCE-W	--	29 days	30 days	--	29 days
Anions BALANCE-W	--	29 days	30 days	--	29 days
Bicarbonate as HCO ₃	14 days	3 days	4 days	--	3 days
Calcium	6 months	8 days	9 days	--	8 days
Carbonate as CO ₃	14 days	3 days	4 days	--	3 days
Cations BALANCE-W	--	29 days	30 days	--	29 days
Magnesium	6 months	8 days	9 days	--	8 days
Potassium	6 months	8 days	9 days	--	8 days
Sodium	6 months	8 days	9 days	--	8 days

G-2A: Holding Time Evaluation

Constituent	QAP Holding Time	MW-65 7/11/2012	MW-65 8/16/2012	MW-70 7/18/2012
2-Butanone (MEK)	14 days	--	6 days	--
Acetone	14 days	--	6 days	--
Ammonia (as N)	28 days	6 days	--	--
Arsenic	6 months	21 days	--	--
Benzene	14 days	--	6 days	--
Beryllium	6 months	21 days	--	--
Cadmium	6 months	21 days	--	--
Carbon Tetrachloride	14 days	--	6 days	--
Chloride (mg/L)	28 days	8 days	--	--
Chloroform	14 days	--	13 days	--
Chloromethane	14 days	--	6 days	--
Chromium	6 months	21 days	--	--
Cobalt	6 months	21 days	--	--
Copper	6 months	21 days	--	--
Dichloromethane (Methylene Chloride)	14 days	--	6 days	--
Fluoride (Mg/L)	28 days	2 days	--	5 days
Gross Alpha minus Rn & U MDC	6 months	29 days	--	--
Gross Alpha minus Rn & U Precision (\pm)	6 months	29 days	--	--
Gross Alpha minus Rn & U	6 months	29 days	--	--
Iron	6 months	7 days	--	--
Lab pH (S.U.)	--	2 days	--	--
Lead	6 months	21 days	--	--
Manganese	6 months	21 days	--	--
Mercury	28 days	21 days	--	--
Molybdenum	6 months	21 days	--	--
Naphthalene	14 days	--	6 days	--
Nickel	6 months	21 days	--	--
Nitrate + Nitrite (as N)	28 days	5 days	--	--
Selenium	6 months	21 days	--	18 days
Silver	6 months	21 days	--	--
Sulfate (mg/L)	28 days	9 days	--	--
TDS (mg/L)	7 days	2 days	--	--
Tetrahydrofuran	14 days	2 days	--	--
Thallium	6 months	21 days	--	--
Tin	6 months	1 days	--	--
Toluene	14 days	--	6 days	--
Uranium	6 months	21 days	--	--
Vanadium	6 months	21 days	--	--
Xylenes (total)	14 days	--	6 days	--
Zinc	6 months	21 days	--	--
A/C Balance (\pm 5) BALANCE-W	--	28 days	--	--
Anions BALANCE-W	--	28 days	--	--
Bicarbonate as HCO ₃	14 days	2 days	--	--
Calcium	6 months	7 days	--	--
Carbonate as CO ₃	14 days	2 days	--	--
Cations BALANCE-W	--	28 days	--	--
Magnesium	6 months	7 days	--	--
Potassium	6 months	7 days	--	--
Sodium	6 months	7 days	--	--

G-2B: Holding Time Evaluation - Accelerated samples

Constituent	QAP Holding Time	MW-11 8/7/2012	MW-14 8/7/2012	MW-25 8/6/2012
2-Butanone (MEK)	14 days	--	--	--
Acetone	14 days	--	--	--
Ammonia (as N)	28 days	--	--	--
Arsenic	6 months	--	--	--
Benzene	14 days	--	--	--
Beryllium	6 months	--	--	--
Cadmium	6 months	--	--	--
Carbon Tetrachloride	14 days	--	--	--
Chloride (mg/L)	28 days	--	--	--
Chloroform	14 days	--	--	--
Chloromethane	14 days	--	--	--
Chromium	6 months	--	--	--
Cobalt	6 months	--	--	--
Copper	6 months	--	--	--
Dichloromethane (Methylene Chloride)	14 days	--	--	--
Field pH (S.U.)	Immediate			
Fluoride (Mg/L)	28 days	--	--	--
Gross Alpha minus Rn & U MDC	6 months	--	--	--
Gross Alpha minus Rn & U Precision (\pm)	6 months	--	--	--
Gross Alpha minus Rn & U	6 months	--	--	--
Iron	6 months	--	--	--
Lab pH (S.U.)	--	--	--	--
Lead	6 months	--	--	--
Manganese	6 months	20 days	20 days	--
Mercury	28 days	--	--	--
Molybdenum	6 months	--	--	--
Naphthalene	14 days	--	--	--
Nickel	6 months	--	--	--
Nitrate + Nitrite (as N)	28 days	--	--	--
Selenium	6 months	--	--	--
Silver	6 months	--	--	--
Sulfate (mg/L)	28 days	--	--	--
TDS (mg/L)	7 days	--	--	--
Tetrahydrofuran	14 days	--	--	--
Thallium	6 months	--	--	--
Tin	6 months	--	--	--
Toluene	14 days	--	--	--
Uranium	6 months	--	--	21 days
Vanadium	6 months	--	--	--
Xylenes (total)	14 days	--	--	--
Zinc	6 months	--	--	--
A/C Balance (\pm 5) BALANCE-W	--	--	--	--
Anions BALANCE-W	--	--	--	--
Bicarbonate as HCO ₃	14 days	--	--	--
Calcium	6 months	--	--	--
Carbonate as CO ₃	14 days	--	--	--
Cations BALANCE-W	--	--	--	--
Magnesium	6 months	--	--	--
Potassium	6 months	--	--	--
Sodium	6 months	--	--	--

G-2B: Holding Time Evaluation - Accelerated samples

Constituent	QAP Holding Time	MW-26 8/8/2012	MW-30 8/7/2012	MW-31 8/6/2012
2-Butanone (MEK)	14 days	6 days	--	--
Acetone	14 days	6 days	--	--
Ammonia (as N)	28 days	--	--	--
Arsenic	6 months	--	--	--
Benzene	14 days	6 days	--	--
Beryllium	6 months	--	--	--
Cadmium	6 months	--	--	--
Carbon Tetrachloride	14 days	6 days	--	--
Chloride (mg/L)	28 days	6 days	7 days	8 days
Chloroform	14 days	6 days	--	--
Chloromethane	14 days	6 days	--	--
Chromium	6 months	--	--	--
Cobalt	6 months	--	--	--
Copper	6 months	--	--	--
Dichloromethane (Methylene Chloride)	14 days	6 days	--	--
Field pH (S.U.)	Immediate			
Fluoride (Mg/L)	28 days	--	--	--
Gross Alpha minus Rn & U MDC	6 months	--	--	--
Gross Alpha minus Rn & U Precision (±)	6 months	--	--	--
Gross Alpha minus Rn & U	6 months	--	--	--
Iron	6 months	--	--	--
Lab pH (S.U.)	--	--	--	--
Lead	6 months	--	--	--
Manganese	6 months	--	--	--
Mercury	28 days	--	--	--
Molybdenum	6 months	--	--	--
Naphthalene	14 days	6 days	--	--
Nickel	6 months	--	--	--
Nitrate + Nitrite (as N)	28 days	5 days	6 days	7 days
Selenium	6 months	--	20 days	--
Silver	6 months	--	--	--
Sulfate (mg/L)	28 days	--	--	8 days
TDS (mg/L)	7 days	2 days	--	4 days
Tetrahydrofuran	14 days	--	--	--
Thallium	6 months	--	--	--
Tin	6 months	--	--	--
Toluene	14 days	6 days	--	--
Uranium	6 months	19 days	20 days	--
Vanadium	6 months	--	--	--
Xylenes (total)	14 days	6 days	--	--
Zinc	6 months	--	--	--
A/C Balance (± 5) BALANCE-W	--	--	--	--
Anions BALANCE-W	--	--	--	--
Bicarbonate as HCO3	14 days	--	--	--
Calcium	6 months	--	--	--
Carbonate as CO3	14 days	--	--	--
Cations BALANCE-W	--	--	--	--
Magnesium	6 months	--	--	--
Potassium	6 months	--	--	--
Sodium	6 months	--	--	--

G-2B: Holding Time Evaluation - Accelerated samples

Constituent	QAP Holding Time	MW-35 8/8/2012	MW-11 9/19/2012	MW-14 9/18/2012
2-Butanone (MEK)	14 days	--	--	--
Acetone	14 days	--	--	--
Ammonia (as N)	28 days	--	--	--
Arsenic	6 months	--	--	--
Benzene	14 days	--	--	--
Beryllium	6 months	--	--	--
Cadmium	6 months	--	--	--
Carbon Tetrachloride	14 days	--	--	--
Chloride (mg/L)	28 days	--	--	--
Chloroform	14 days	--	--	--
Chloromethane	14 days	--	--	--
Chromium	6 months	--	--	--
Cobalt	6 months	--	--	--
Copper	6 months	--	--	--
Dichloromethane (Methylene Chloride)	14 days	--	--	--
Field pH (S.U.)	Immediate			
Fluoride (Mg/L)	28 days	--	--	--
Gross Alpha minus Rn & U MDC	6 months	22 days	--	--
Gross Alpha minus Rn & U Precision (\pm)	6 months	22 days	--	--
Gross Alpha minus Rn & U	6 months	22 days	--	--
Iron	6 months	--	--	--
Lab pH (S.U.)	--	--	--	--
Lead	6 months	--	--	--
Manganese	6 months	19 days	16 days	17 days
Mercury	28 days	--	--	--
Molybdenum	6 months	--	--	--
Naphthalene	14 days	--	--	--
Nickel	6 months	--	--	--
Nitrate + Nitrite (as N)	28 days	--	--	--
Selenium	6 months	19 days	--	--
Silver	6 months	--	--	--
Sulfate (mg/L)	28 days	--	--	--
TDS (mg/L)	7 days	--	--	--
Tetrahydrofuran	14 days	--	--	--
Thallium	6 months	19 days	--	--
Tin	6 months	--	--	--
Toluene	14 days	--	--	--
Uranium	6 months	19 days	--	--
Vanadium	6 months	--	--	--
Xylenes (total)	14 days	--	--	--
Zinc	6 months	--	--	--
A/C Balance (\pm 5) BALANCE-W	--	--	--	--
Anions BALANCE-W	--	--	--	--
Bicarbonate as HCO ₃	14 days	--	--	--
Calcium	6 months	--	--	--
Carbonate as CO ₃	14 days	--	--	--
Cations BALANCE-W	--	--	--	--
Magnesium	6 months	--	--	--
Potassium	6 months	--	--	--
Sodium	6 months	--	--	--

G-2B: Holding Time Evaluation - Accelerated samples

Constituent	QAP Holding Time	MW-25 9/18/2012	MW-26 9/19/2012	MW-30 9/19/2012
2-Butanone (MEK)	14 days	--	17 days	--
Acetone	14 days	--	17 days	--
Ammonia (as N)	28 days	--	--	--
Arsenic	6 months	--	--	--
Benzene	14 days	--	17 days	--
Beryllium	6 months	--	--	--
Cadmium	6 months	--	--	--
Carbon Tetrachloride	14 days	--	17 days	--
Chloride (mg/L)	28 days	--	6 days	26 days
Chloroform	14 days	--	15 days	--
Chloromethane	14 days	--	17 days	--
Chromium	6 months	--	--	--
Cobalt	6 months	--	--	--
Copper	6 months	--	--	--
Dichloromethane (Methylene Chloride)	14 days	--	17 days	--
Field pH (S.U.)	Immediate			
Fluoride (Mg/L)	28 days	--	--	--
Gross Alpha minus Rn & U MDC	6 months	--	--	--
Gross Alpha minus Rn & U Precision (\pm)	6 months	--	--	--
Gross Alpha minus Rn & U	6 months	--	--	--
Iron	6 months	--	--	--
Lab pH (S.U.)	--	--	--	--
Lead	6 months	--	--	--
Manganese	6 months	--	--	--
Mercury	28 days	--	--	--
Molybdenum	6 months	--	--	--
Naphthalene	14 days	--	17 days	--
Nickel	6 months	--	--	--
Nitrate + Nitrite (as N)	28 days	--	8 days	8 days
Selenium	6 months	--	--	16 days
Silver	6 months	--	--	--
Sulfate (mg/L)	28 days	--	--	--
TDS (mg/L)	7 days	--	--	--
Tetrahydrofuran	14 days	--	--	--
Thallium	6 months	--	--	--
Tin	6 months	--	--	--
Toluene	14 days	--	17 days	--
Uranium	6 months	17 days	16 days	16 days
Vanadium	6 months	--	--	--
Xylenes (total)	14 days	--	17 days	--
Zinc	6 months	--	--	--
A/C Balance (\pm 5) BALANCE-W	--	--	--	--
Anions BALANCE-W	--	--	--	--
Bicarbonate as HCO ₃	14 days	--	--	--
Calcium	6 months	--	--	--
Carbonate as CO ₃	14 days	--	--	--
Cations BALANCE-W	--	--	--	--
Magnesium	6 months	--	--	--
Potassium	6 months	--	--	--
Sodium	6 months	--	--	--

G-2B: Holding Time Evaluation - Accelerated samples

Constituent	QAP Holding Time	MW-31 9/18/2012	MW-35 9/19/2012
2-Butanone (MEK)	14 days	--	--
Acetone	14 days	--	--
Ammonia (as N)	28 days	--	--
Arsenic	6 months	--	--
Benzene	14 days	--	--
Beryllium	6 months	--	--
Cadmium	6 months	--	--
Carbon Tetrachloride	14 days	--	--
Chloride (mg/L)	28 days	7 days	--
Chloroform	14 days	--	--
Chloromethane	14 days	--	--
Chromium	6 months	--	--
Cobalt	6 months	--	--
Copper	6 months	--	--
Dichloromethane (Methylene Chloride)	14 days	--	--
Field pH (S.U.)	Immediate		
Fluoride (Mg/L)	28 days	--	--
Gross Alpha minus Rn & U MDC	6 months	--	15 days
Gross Alpha minus Rn & U Precision (\pm)	6 months	--	15 days
Gross Alpha minus Rn & U	6 months	--	15 days
Iron	6 months	--	--
Lab pH (S.U.)	--	--	--
Lead	6 months	--	--
Manganese	6 months	--	16 days
Mercury	28 days	--	--
Molybdenum	6 months	--	--
Naphthalene	14 days	--	--
Nickel	6 months	--	--
Nitrate + Nitrite (as N)	28 days	9 days	--
Selenium	6 months	--	16 days
Silver	6 months	--	--
Sulfate (mg/L)	28 days	7 days	--
TDS (mg/L)	7 days	6 days	--
Tetrahydrofuran	14 days	--	--
Thallium	6 months	--	16 days
Tin	6 months	--	--
Toluene	14 days	--	--
Uranium	6 months	--	16 days
Vanadium	6 months	--	--
Xylenes (total)	14 days	--	--
Zinc	6 months	--	--
A/C Balance (\pm 5) BALANCE-W	--	--	--
Anions BALANCE-W	--	--	--
Bicarbonate as HCO ₃	14 days	--	--
Calcium	6 months	--	--
Carbonate as CO ₃	14 days	--	--
Cations BALANCE-W	--	--	--
Magnesium	6 months	--	--
Potassium	6 months	--	--
Sodium	6 months	--	--

G-3A: Laboratory Receipt Temperature Check

Sample Batch	Wells in Batch	Temperature
EL - C12070741	MW-02, MW-03, MW-03A, MW-05, MW-12, MW-15, MW-18, MW-19, MW-23, MW-24, MW-27, MW-28, MW-70	2.4 °C
EL - C12070448	MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65, MW-29, MW-32, Trip Blank	1.6°C
EL - C12080830	MW-26 Resample, MW-65 Resample, Trip Blank	3.2°C
EL - C12080143	MW-28 Resample, MW-29 Resample, MW-37, Trip Blank	4.0°C
AWAL - 1207185 - THF and Tin	MW-11, MW-14, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65, Trip Blank	1.8°C
AWAL - 1208066 - THF and Tin	MW-37, Trip Blank	2.7°C

G-3B: Laboratory Receipt Temperature Check - Accelerated Samples

Sample Batch	Wells in Batch	Temperature
EL - C120080469	MW-11, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65, Trip Blank	2.0°C
EL - C12090804	MW-11, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65, Trip Blank	2.0°C

G-4A: Analytical Method Check

Parameter	QAP Method*	Method Used by Lab
Ammonia (as N)	A4500-NH3 G or E350.1	A4500-NH3 G
Nitrate + Nitrite (as N)	E353.1 or E353.2	E353.2
Metals Except Mercury	E200.7 or E200.8	E200.8
Mercury	E245.1 or E200.7 or E200.8	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	A4500-Cl B
Fluoride	A4500-F C or E300.0	A4500-F C
Sulfate	A4500-SO4 E or E300.0	A4500-SO4 E
TDS	A2540 C	A2540 C
Carbonate as CO ₃ , Bicarbonate as HCO ₃	A2320 B	A2320 B
Iron, Calcium, Magnesium, Potassium, Sodium	E200.7	E200.7

Tetrahydrofuran and tin were analyzed by American West Analytical Laboratories. All other constituents were analyzed by Energy Laboratories.

G-4B: Analytical Method Check - Accelerated Samples

Parameter	QAP Method	Method Used by Lab
Nitrate + Nitrite (as N)	E353.1 or E353.2	E353.2
Metals Except Mercury	E200.7 or E200.8	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
Iron, Calcium, Magnesium, Potassium, Sodium	E200.7	E200.7

G-5A: Routine Reporting Limit Check

Constituent	QAP Reporting Limit	MW-2		MW-3	
		7/16/2012		7/18/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--	--	--
Acetone	20 µg/L	--	--	--	--
Ammonia (as N)	0.05 mg/L	--	--	--	--
Arsenic	5 µg/L	--	--	--	--
Benzene	1.0 µg/L	--	--	--	--
Beryllium	0.50 µg/L	--	--	--	--
Cadmium	0.50 µg/L	--	--	--	--
Carbon Tetrachloride	1.0 µg/L	--	--	--	--
Chloride (mg/L)	1 mg/L	--	--	--	--
Chloroform	1.0 µg/L	--	--	--	--
Chloromethane	1.0 µg/L	--	--	--	--
Chromium	25 µg/L	--	--	--	--
Cobalt	10 µg/L	--	--	--	--
Copper	10 µg/L	--	--	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--	--	--
Fluoride (Mg/L)	0.1 mg/L	--	--	0.1 mg/L	
Gross Alpha minus Rn & U MDC	1.0 pCi/L	0 pCi/L		--	
Iron	30 µg/L	--	--	--	--
Lead	1.0 µg/L	--	--	--	--
Manganese	10 µg/L	--	--	--	--
Mercury	0.50 µg/L	--	--	--	--
Molybdenum	10 µg/L	--	--	--	--
Naphthalene	1.0 µg/L	--	--	--	--
Nickel	20 µg/L	--	--	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	--	--	--	--
Selenium	5 µg/L	--	--	5 ug/L	
Silver	10 µg/L	--	--	--	--
Sulfate (mg/L)	1 mg/L	--	--	--	--
TDS (mg/L)	10 mg/L	--	--	--	--
Tetrahydrofuran	1.0 µg/L	--	--	--	--
Thallium	0.50 µg/L	--	--	--	--
Tin	100 µg/L	--	--	--	--
Toluene	1.0 µg/L	--	--	--	--
Uranium	0.30 µg/L	--	--	--	--
Vanadium	15 µg/L	--	--	--	--
Xylenes (total)	1.0 µg/L	--	--	--	--
Zinc	10 µg/L	--	--	--	--
Bicarbonate as HCO3	1 mg/L	--	--	--	--
Calcium	0.5 mg/L	--	--	--	--
Carbonate as CO3	1 mg/L	--	--	--	--
Magnesium	0.5 mg/L	--	--	--	--
Potassium	0.5 mg/L	--	--	--	--
Sodium	0.5 mg/L	--	--	--	--

G-5A: Routine Reporting Limit Check

Constituent	QAP Reporting Limit	MW-3A		MW-5	
		7/19/2012		7/16/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--	--	--
Acetone	20 µg/L	--	--	--	--
Ammonia (as N)	0.05 mg/L	--	--	--	--
Arsenic	5 µg/L	--	--	--	--
Benzene	1.0 µg/L	--	--	--	--
Beryllium	0.50 µg/L	--	--	--	--
Cadmium	0.50 µg/L	--	--	--	--
Carbon Tetrachloride	1.0 µg/L	--	--	--	--
Chloride (mg/L)	1 mg/L	--	--	--	--
Chloroform	1.0 µg/L	--	--	--	--
Chloromethane	1.0 µg/L	--	--	--	--
Chromium	25 µg/L	--	--	--	--
Cobalt	10 µg/L	--	--	--	--
Copper	10 µg/L	--	--	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--	--	--
Fluoride (Mg/L)	0.1 mg/L	--	--	--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	--	--	--	--
Iron	30 µg/L	--	--	--	--
Lead	1.0 µg/L	--	--	--	--
Manganese	10 µg/L	--	--	--	--
Mercury	0.50 µg/L	--	--	--	--
Molybdenum	10 µg/L	--	--	--	--
Naphthalene	1.0 µg/L	--	--	--	--
Nickel	20 µg/L	--	--	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	--	--	--	--
Selenium	5 µg/L	5 ug/L	--	--	--
Silver	10 µg/L	--	--	--	--
Sulfate (mg/L)	1 mg/L	20 mg/L	D	--	--
TDS (mg/L)	10 mg/L	10 MG/L	--	--	--
Tetrahydrofuran	1.0 µg/L	--	--	--	--
Thallium	0.50 µg/L	--	--	--	--
Tin	100 µg/L	--	--	--	--
Toluene	1.0 µg/L	--	--	--	--
Uranium	0.30 µg/L	--	--	0.3 ug/L	--
Vanadium	15 µg/L	--	--	--	--
Xylenes (total)	1.0 µg/L	--	--	--	--
Zinc	10 µg/L	--	--	--	--
Bicarbonate as HCO3	1 mg/L	--	--	--	--
Calcium	0.5 mg/L	--	--	--	--
Carbonate as CO3	1 mg/L	--	--	--	--
Magnesium	0.5 mg/L	--	--	--	--
Potassium	0.5 mg/L	--	--	--	--
Sodium	0.5 mg/L	--	--	--	--

G-5A: Routine Reporting Limit Check

Constituent	QAP Reporting Limit	MW-11		MW-12	
		7/11/2012		7/17/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	20 ug/L	U	--	--
Acetone	20 µg/L	20 ug/L	U	--	--
Ammonia (as N)	0.05 mg/L	0.05 mg/L		--	--
Arsenic	5 µg/L	5 ug/L	U	--	--
Benzene	1.0 µg/L	1 ug/L	U	--	--
Beryllium	0.50 µg/L	0.5 ug/L	U	--	--
Cadmium	0.50 µg/L	0.5 ug/L	U	--	--
Carbon Tetrachloride	1.0 µg/L	1 ug/L	U	--	--
Chloride (mg/L)	1 mg/L	1 mg/L		--	--
Chloroform	1.0 µg/L	1 ug/L	U	--	--
Chloromethane	1.0 µg/L	1 ug/L	U	--	--
Chromium	25 µg/L	25 ug/L	U	--	--
Cobalt	10 µg/L	10 ug/L	U	--	--
Copper	10 µg/L	10 ug/L	U	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	1 ug/L	U	--	--
Fluoride (Mg/L)	0.1 mg/L	0.1 mg/L		--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	0 pCi/L		--	--
Iron	30 µg/L	30 ug/L		--	--
Lead	1.0 µg/L	1 ug/L	U	--	--
Manganese	10 µg/L	10 ug/L		--	--
Mercury	0.50 µg/L	0.5 ug/L	U	--	--
Molybdenum	10 µg/L	10 ug/L	U	--	--
Naphthalene	1.0 µg/L	1 ug/L	U	--	--
Nickel	20 µg/L	20 ug/L	U	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	0.1 mg/L	U	--	--
Selenium	5 µg/L	5 ug/L	U	5 ug/L	
Silver	10 µg/L	10 ug/L	U	--	--
Sulfate (mg/L)	1 mg/L	50 mg/L	D	--	--
TDS (mg/L)	10 mg/L	10 MG/L		--	--
Tetrahydrofuran	1.0 µg/L	0 ug/L		--	--
Thallium	0.50 µg/L	0.5 ug/L	U	--	--
Tin	100 µg/L	0 ug/L		--	--
Toluene	1.0 µg/L	1 ug/L	U	--	--
Uranium	0.30 µg/L	0.3 ug/L		--	--
Vanadium	15 µg/L	15 ug/L	U	--	--
Xylenes (total)	1.0 µg/L	1 ug/L	U	--	--
Zinc	10 µg/L	10 ug/L	U	--	--
Bicarbonate as HCO3	1 mg/L	1 mg/L		--	--
Calcium	0.5 mg/L	0.5 mg/L		--	--
Carbonate as CO3	1 mg/L	1 mg/L	U	--	--
Magnesium	0.5 mg/L	0.5 mg/L		--	--
Potassium	0.5 mg/L	0.5 mg/L		--	--
Sodium	0.5 mg/L	0.5 mg/L		--	--

G-5A: Routine Reporting Limit Check

Constituent	QAP Reporting Limit	MW-14		MW-15	
		7/11/2012		7/17/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	20 ug/L	U	--	--
Acetone	20 µg/L	20 ug/L	U	--	--
Ammonia (as N)	0.05 mg/L	0.05 mg/L	U	--	--
Arsenic	5 µg/L	5 ug/L	U	--	--
Benzene	1.0 µg/L	1 ug/L	U	--	--
Beryllium	0.50 µg/L	0.5 ug/L	U	--	--
Cadmium	0.50 µg/L	0.5 ug/L		--	--
Carbon Tetrachloride	1.0 µg/L	1 ug/L	U	--	--
Chloride (mg/L)	1 mg/L	1 mg/L		--	--
Chloroform	1.0 µg/L	1 ug/L	U	--	--
Chloromethane	1.0 µg/L	1 ug/L	U	--	--
Chromium	25 µg/L	25 ug/L	U	--	--
Cobalt	10 µg/L	10 ug/L	U	--	--
Copper	10 µg/L	10 ug/L	U	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	1 ug/L	U	--	--
Fluoride (Mg/L)	0.1 mg/L	0.1 mg/L		--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	0 pCi/L		--	
Iron	30 µg/L	30 ug/L	U	30 ug/L	U
Lead	1.0 µg/L	1 ug/L	U	--	--
Manganese	10 µg/L	10 ug/L		--	--
Mercury	0.50 µg/L	0.5 ug/L	U	--	--
Molybdenum	10 µg/L	10 ug/L	U	--	--
Naphthalene	1.0 µg/L	1 ug/L	U	--	--
Nickel	20 µg/L	20 ug/L	U	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	0.1 mg/L	U	--	--
Selenium	5 µg/L	5 ug/L	U	5 ug/L	
Silver	10 µg/L	10 ug/L	U	--	--
Sulfate (mg/L)	1 mg/L	50 mg/L	D	--	--
TDS (mg/L)	10 mg/L	10 MG/L		--	--
Tetrahydrofuran	1.0 µg/L	0 ug/L		--	--
Thallium	0.50 µg/L	0.5 ug/L	U	--	--
Tin	100 µg/L	0 ug/L		--	--
Toluene	1.0 µg/L	1 ug/L	U	--	--
Uranium	0.30 µg/L	0.3 ug/L		--	--
Vanadium	15 µg/L	15 ug/L	U	--	--
Xylenes (total)	1.0 µg/L	1 ug/L	U	--	--
Zinc	10 µg/L	10 ug/L	U	--	--
Bicarbonate as HCO3	1 mg/L	1 mg/L		--	--
Calcium	0.5 mg/L	0.5 mg/L		--	--
Carbonate as CO3	1 mg/L	1 mg/L	U	--	--
Magnesium	0.5 mg/L	0.5 mg/L		--	--
Potassium	0.5 mg/L	0.5 mg/L		--	--
Sodium	0.5 mg/L	0.5 mg/L		--	--

G-5A: Routine Reporting Limit Check

Constituent	QAP Reporting Limit	MW-18		MW-19	
		7/18/2012		7/19/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--	--	--
Acetone	20 µg/L	--	--	--	--
Ammonia (as N)	0.05 mg/L	--	--	--	--
Arsenic	5 µg/L	--	--	--	--
Benzene	1.0 µg/L	--	--	--	--
Beryllium	0.50 µg/L	--	--	--	--
Cadmium	0.50 µg/L	--	--	--	--
Carbon Tetrachloride	1.0 µg/L	--	--	--	--
Chloride (mg/L)	1 mg/L	--	--	--	--
Chloroform	1.0 µg/L	--	--	--	--
Chloromethane	1.0 µg/L	--	--	--	--
Chromium	25 µg/L	--	--	--	--
Cobalt	10 µg/L	--	--	--	--
Copper	10 µg/L	--	--	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--	--	--
Fluoride (Mg/L)	0.1 mg/L	--	--	--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	--	--	--	--
Iron	30 µg/L	--	--	--	--
Lead	1.0 µg/L	--	--	--	--
Manganese	10 µg/L	--	--	--	--
Mercury	0.50 µg/L	--	--	--	--
Molybdenum	10 µg/L	--	--	--	--
Naphthalene	1.0 µg/L	--	--	--	--
Nickel	20 µg/L	--	--	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	--	--	0.2 mg/L	D
Selenium	5 µg/L	--	--	--	--
Silver	10 µg/L	--	--	--	--
Sulfate (mg/L)	1 mg/L	8 mg/L	D	--	--
TDS (mg/L)	10 mg/L	10 MG/L		--	--
Tetrahydrofuran	1.0 µg/L	--	--	--	--
Thallium	0.50 µg/L	0.5 ug/L		--	--
Tin	100 µg/L	--	--	--	--
Toluene	1.0 µg/L	--	--	--	--
Uranium	0.30 µg/L	--	--	--	--
Vanadium	15 µg/L	--	--	--	--
Xylenes (total)	1.0 µg/L	--	--	--	--
Zinc	10 µg/L	--	--	--	--
Bicarbonate as HCO3	1 mg/L	--	--	--	--
Calcium	0.5 mg/L	--	--	--	--
Carbonate as CO3	1 mg/L	--	--	--	--
Magnesium	0.5 mg/L	--	--	--	--
Potassium	0.5 mg/L	--	--	--	--
Sodium	0.5 mg/L	--	--	--	--

G-5A: Routine Reporting Limit Check

Constituent	QAP Reporting Limit	MW-23		MW-24	
		7/17/2012		7/18/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--	--	--
Acetone	20 µg/L	--	--	--	--
Ammonia (as N)	0.05 mg/L	--	--	--	--
Arsenic	5 µg/L	--	--	--	--
Benzene	1.0 µg/L	--	--	--	--
Beryllium	0.50 µg/L	--	--	--	--
Cadmium	0.50 µg/L	--	--	0.5 ug/L	
Carbon Tetrachloride	1.0 µg/L	--	--	--	--
Chloride (mg/L)	1 mg/L	--	--	--	--
Chloroform	1.0 µg/L	--	--	--	--
Chloromethane	1.0 µg/L	--	--	--	--
Chromium	25 µg/L	--	--	--	--
Cobalt	10 µg/L	--	--	--	--
Copper	10 µg/L	--	--	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--	--	--
Fluoride (Mg/L)	0.1 mg/L	--	--	--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	--	--	--	--
Iron	30 µg/L	--	--	--	--
Lead	1.0 µg/L	--	--	--	--
Manganese	10 µg/L	1 ug/L		--	--
Mercury	0.50 µg/L	--	--	--	--
Molybdenum	10 µg/L	--	--	--	--
Naphthalene	1.0 µg/L	--	--	--	--
Nickel	20 µg/L	--	--	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	--	--	--	--
Selenium	5 µg/L	--	--	--	--
Silver	10 µg/L	--	--	--	--
Sulfate (mg/L)	1 mg/L	--	--	--	--
TDS (mg/L)	10 mg/L	--	--	--	--
Tetrahydrofuran	1.0 µg/L	--	--	--	--
Thallium	0.50 µg/L	--	--	0.5 ug/L	
Tin	100 µg/L	--	--	--	--
Toluene	1.0 µg/L	--	--	--	--
Uranium	0.30 µg/L	--	--	--	--
Vanadium	15 µg/L	--	--	--	--
Xylenes (total)	1.0 µg/L	--	--	--	--
Zinc	10 µg/L	--	--	--	--
Bicarbonate as HCO3	1 mg/L	--	--	--	--
Calcium	0.5 mg/L	--	--	--	--
Carbonate as CO3	1 mg/L	--	--	--	--
Magnesium	0.5 mg/L	--	--	--	--
Potassium	0.5 mg/L	--	--	--	--
Sodium	0.5 mg/L	--	--	--	--

G-5A: Routine Reporting Limit Check

Constituent	QAP Reporting Limit	MW-25		MW-26	
		7/10/2012		7/11/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	20 ug/L	U	--	--
Acetone	20 µg/L	20 ug/L	U	--	--
Ammonia (as N)	0.05 mg/L	0.1 mg/L		0.05 mg/L	
Arsenic	5 µg/L	5 ug/L	U	5 ug/L	U
Benzene	1.0 µg/L	1 ug/L	U	--	--
Beryllium	0.50 µg/L	0.5 ug/L	U	0.5 ug/L	U
Cadmium	0.50 µg/L	0.5 ug/L		0.5 ug/L	U
Carbon Tetrachloride	1.0 µg/L	1 ug/L	U	--	--
Chloride (mg/L)	1 mg/L	1 mg/L		1 mg/L	
Chloroform	1.0 µg/L	1 ug/L	U	--	--
Chloromethane	1.0 µg/L	1 ug/L	U	--	--
Chromium	25 µg/L	25 ug/L	U	25 ug/L	U
Cobalt	10 µg/L	10 ug/L	U	10 ug/L	U
Copper	10 µg/L	10 ug/L	U	10 ug/L	U
Dichloromethane (Methylene Chloride)	1.0 µg/L	1 ug/L	U	--	--
Fluoride (Mg/L)	0.1 mg/L	0.1 mg/L		0.1 mg/L	
Gross Alpha minus Rn & U MDC	1.0 pCi/L	0 pCi/L		0 pCi/L	
Iron	30 µg/L	30 ug/L	U	30 ug/L	
Lead	1.0 µg/L	1 ug/L	U	1 ug/L	U
Manganese	10 µg/L	10 ug/L		10 ug/L	
Mercury	0.50 µg/L	0.5 ug/L	U	0.5 ug/L	U
Molybdenum	10 µg/L	10 ug/L		10 ug/L	U
Naphthalene	1.0 µg/L	1 ug/L	U	--	--
Nickel	20 µg/L	20 ug/L	U	20 ug/L	U
Nitrate + Nitrite (as N)	0.1 mg/L	0.1 mg/L	U	0.1 mg/L	
Selenium	5 µg/L	5 ug/L	U	5 ug/L	U
Silver	10 µg/L	10 ug/L	U	10 ug/L	U
Sulfate (mg/L)	1 mg/L	50 mg/L	D	50 mg/L	D
TDS (mg/L)	10 mg/L	10 MG/L		10 MG/L	
Tetrahydrofuran	1.0 µg/L	0 ug/L		0 ug/L	
Thallium	0.50 µg/L	0.5 ug/L		0.5 ug/L	U
Tin	100 µg/L	0 ug/L		0 ug/L	
Toluene	1.0 µg/L	1 ug/L	U	--	--
Uranium	0.30 µg/L	0.3 ug/L		0.3 ug/L	
Vanadium	15 µg/L	15 ug/L	U	15 ug/L	U
Xylenes (total)	1.0 µg/L	1 ug/L	U	--	--
Zinc	10 µg/L	10 ug/L	U	10 ug/L	U
Bicarbonate as HCO3	1 mg/L	1 mg/L		1 mg/L	
Calcium	0.5 mg/L	0.5 mg/L		0.5 mg/L	
Carbonate as CO3	1 mg/L	1 mg/L	U	1 mg/L	U
Magnesium	0.5 mg/L	0.5 mg/L		0.5 mg/L	
Potassium	0.5 mg/L	0.5 mg/L		0.5 mg/L	
Sodium	0.5 mg/L	0.5 mg/L		0.5 mg/L	

G-5A: Routine Reporting Limit Check

Constituent	QAP Reporting Limit	MW-26		MW-27	
		8/16/2012		7/16/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	20 ug/L	U	--	--
Acetone	20 µg/L	20 ug/L	U	--	--
Ammonia (as N)	0.05 mg/L	--	--	--	--
Arsenic	5 µg/L	--	--	--	--
Benzene	1.0 µg/L	1 ug/L	U	--	--
Beryllium	0.50 µg/L	--	--	--	--
Cadmium	0.50 µg/L	--	--	--	--
Carbon Tetrachloride	1.0 µg/L	1 ug/L	U	--	--
Chloride (mg/L)	1 mg/L	--	--	1 mg/L	
Chloroform	1.0 µg/L	25 ug/L	D	--	--
Chloromethane	1.0 µg/L	1 ug/L	U	--	--
Chromium	25 µg/L	--	--	--	--
Cobalt	10 µg/L	--	--	--	--
Copper	10 µg/L	--	--	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	1 ug/L		--	--
Fluoride (Mg/L)	0.1 mg/L	--	--	--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	--		0 pCi/L	
Iron	30 µg/L	--	--	--	--
Lead	1.0 µg/L	--	--	--	--
Manganese	10 µg/L	--	--	--	--
Mercury	0.50 µg/L	--	--	--	--
Molybdenum	10 µg/L	--	--	--	--
Naphthalene	1.0 µg/L	1 ug/L	U	--	--
Nickel	20 µg/L	--	--	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	--	--	0.5 mg/L	D
Selenium	5 µg/L	--	--	--	--
Silver	10 µg/L	--	--	--	--
Sulfate (mg/L)	1 mg/L	--	--	4 mg/L	D
TDS (mg/L)	10 mg/L	--	--	10 MG/L	
Tetrahydrofuran	1.0 µg/L	--	--	--	--
Thallium	0.50 µg/L	--	--	--	--
Tin	100 µg/L	--	--	--	--
Toluene	1.0 µg/L	1 ug/L	U	--	--
Uranium	0.30 µg/L	--	--	--	--
Vanadium	15 µg/L	--	--	--	--
Xylenes (total)	1.0 µg/L	1 ug/L	U	--	--
Zinc	10 µg/L	--	--	--	--
Bicarbonate as HCO3	1 mg/L	--	--	--	--
Calcium	0.5 mg/L	--	--	--	--
Carbonate as CO3	1 mg/L	--	--	--	--
Magnesium	0.5 mg/L	--	--	--	--
Potassium	0.5 mg/L	--	--	--	--
Sodium	0.5 mg/L	--	--	--	--

G-5A: Routine Reporting Limit Check

Constituent	QAP Reporting Limit	MW-28		MW-28	
		7/16/2012		8/1/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--	--	--
Acetone	20 µg/L	--	--	--	--
Ammonia (as N)	0.05 mg/L	--	--	--	--
Arsenic	5 µg/L	--	--	--	--
Benzene	1.0 µg/L	--	--	--	--
Beryllium	0.50 µg/L	--	--	--	--
Cadmium	0.50 µg/L	--	--	--	--
Carbon Tetrachloride	1.0 µg/L	--	--	--	--
Chloride (mg/L)	1 mg/L	4 mg/L	D	--	--
Chloroform	1.0 µg/L	--	--	--	--
Chloromethane	1.0 µg/L	--	--	--	--
Chromium	25 µg/L	--	--	--	--
Cobalt	10 µg/L	--	--	--	--
Copper	10 µg/L	--	--	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--	--	--
Fluoride (Mg/L)	0.1 mg/L	--	--	--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	--	--	--	--
Iron	30 µg/L	--	--	--	--
Lead	1.0 µg/L	--	--	--	--
Manganese	10 µg/L	--	--	10 ug/L	--
Mercury	0.50 µg/L	--	--	--	--
Molybdenum	10 µg/L	--	--	--	--
Naphthalene	1.0 µg/L	--	--	--	--
Nickel	20 µg/L	--	--	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	--	--	--	--
Selenium	5 µg/L	--	--	--	--
Silver	10 µg/L	--	--	--	--
Sulfate (mg/L)	1 mg/L	--	--	--	--
TDS (mg/L)	10 mg/L	--	--	--	--
Tetrahydrofuran	1.0 µg/L	--	--	--	--
Thallium	0.50 µg/L	--	--	--	--
Tin	100 µg/L	--	--	--	--
Toluene	1.0 µg/L	--	--	--	--
Uranium	0.30 µg/L	--	--	--	--
Vanadium	15 µg/L	--	--	--	--
Xylenes (total)	1.0 µg/L	--	--	--	--
Zinc	10 µg/L	--	--	--	--
Bicarbonate as HCO3	1 mg/L	--	--	--	--
Calcium	0.5 mg/L	--	--	--	--
Carbonate as CO3	1 mg/L	--	--	--	--
Magnesium	0.5 mg/L	--	--	--	--
Potassium	0.5 mg/L	--	--	--	--
Sodium	0.5 mg/L	--	--	--	--

G-5A: Routine Reporting Limit Check

Constituent	QAP Reporting Limit	MW-29		MW-29	
		7/10/2012		8/1/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--	--	--
Acetone	20 µg/L	--	--	--	--
Ammonia (as N)	0.05 mg/L	--	--	--	--
Arsenic	5 µg/L	--	--	--	--
Benzene	1.0 µg/L	--	--	--	--
Beryllium	0.50 µg/L	--	--	--	--
Cadmium	0.50 µg/L	--	--	--	--
Carbon Tetrachloride	1.0 µg/L	--	--	--	--
Chloride (mg/L)	1 mg/L	--	--	--	--
Chloroform	1.0 µg/L	--	--	--	--
Chloromethane	1.0 µg/L	--	--	--	--
Chromium	25 µg/L	--	--	--	--
Cobalt	10 µg/L	--	--	--	--
Copper	10 µg/L	--	--	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--	--	--
Fluoride (Mg/L)	0.1 mg/L	--	--	--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	--	--	--	--
Iron	30 µg/L	30 ug/L		--	--
Lead	1.0 µg/L	--	--	--	--
Manganese	10 µg/L	--	--	10 ug/L	
Mercury	0.50 µg/L	--	--	--	--
Molybdenum	10 µg/L	--	--	--	--
Naphthalene	1.0 µg/L	--	--	--	--
Nickel	20 µg/L	--	--	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	--	--	--	--
Selenium	5 µg/L	--	--	--	--
Silver	10 µg/L	--	--	--	--
Sulfate (mg/L)	1 mg/L	--	--	--	--
TDS (mg/L)	10 mg/L	--	--	10 MG/L	
Tetrahydrofuran	1.0 µg/L	--	--	--	--
Thallium	0.50 µg/L	--	--	--	--
Tin	100 µg/L	--	--	--	--
Toluene	1.0 µg/L	--	--	--	--
Uranium	0.30 µg/L	--	--	--	--
Vanadium	15 µg/L	--	--	--	--
Xylenes (total)	1.0 µg/L	--	--	--	--
Zinc	10 µg/L	--	--	--	--
Bicarbonate as HCO3	1 mg/L	--	--	--	--
Calcium	0.5 mg/L	--	--	--	--
Carbonate as CO3	1 mg/L	--	--	--	--
Magnesium	0.5 mg/L	--	--	--	--
Potassium	0.5 mg/L	--	--	--	--
Sodium	0.5 mg/L	--	--	--	--

G-5A: Routine Reporting Limit Check

Constituent	QAP Reporting Limit	MW-30		MW-31	
		7/10/2012		7/9/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	20 ug/L	U	20 ug/L	U
Acetone	20 µg/L	20 ug/L	U	20 ug/L	U
Ammonia (as N)	0.05 mg/L	0.05 mg/L	U	0.05 mg/L	U
Arsenic	5 µg/L	5 ug/L	U	5 ug/L	U
Benzene	1.0 µg/L	1 ug/L	U	1 ug/L	U
Beryllium	0.50 µg/L	0.5 ug/L	U	0.5 ug/L	U
Cadmium	0.50 µg/L	0.5 ug/L	U	0.5 ug/L	U
Carbon Tetrachloride	1.0 µg/L	1 ug/L	U	1 ug/L	U
Chloride (mg/L)	1 mg/L	1 mg/L		1 mg/L	
Chloroform	1.0 µg/L	1 ug/L	U	1 ug/L	U
Chloromethane	1.0 µg/L	1 ug/L	U	1 ug/L	U
Chromium	25 µg/L	25 ug/L	U	25 ug/L	U
Cobalt	10 µg/L	10 ug/L	U	10 ug/L	U
Copper	10 µg/L	10 ug/L	U	10 ug/L	U
Dichloromethane (Methylene Chloride)	1.0 µg/L	1 ug/L	U	1 ug/L	U
Fluoride (Mg/L)	0.1 mg/L	0.1 mg/L		0.1 mg/L	
Gross Alpha minus Rn & U MDC	1.0 pCi/L	0 pCi/L		0 pCi/L	
Iron	30 µg/L	30 ug/L		30 ug/L	U
Lead	1.0 µg/L	1 ug/L	U	1 ug/L	U
Manganese	10 µg/L	10 ug/L		10 ug/L	U
Mercury	0.50 µg/L	0.5 ug/L	U	0.5 ug/L	U
Molybdenum	10 µg/L	10 ug/L	U	10 ug/L	U
Naphthalene	1.0 µg/L	1 ug/L	U	1 ug/L	U
Nickel	20 µg/L	20 ug/L	U	20 ug/L	U
Nitrate + Nitrite (as N)	0.1 mg/L	1 mg/L	D	1 mg/L	D
Selenium	5 µg/L	5 ug/L		5 ug/L	
Silver	10 µg/L	10 ug/L	U	10 ug/L	U
Sulfate (mg/L)	1 mg/L	20 mg/L	D	10 mg/L	D
TDS (mg/L)	10 mg/L	10 MG/L		10 MG/L	
Tetrahydrofuran	1.0 µg/L	0 ug/L		0 ug/L	
Thallium	0.50 µg/L	0.5 ug/L	U	0.5 ug/L	U
Tin	100 µg/L	0 ug/L		0 ug/L	
Toluene	1.0 µg/L	1 ug/L	U	1 ug/L	U
Uranium	0.30 µg/L	0.3 ug/L		0.3 ug/L	
Vanadium	15 µg/L	15 ug/L	U	15 ug/L	U
Xylenes (total)	1.0 µg/L	1 ug/L	U	1 ug/L	U
Zinc	10 µg/L	10 ug/L	U	10 ug/L	U
Bicarbonate as HCO3	1 mg/L	1 mg/L		1 mg/L	
Calcium	0.5 mg/L	0.5 mg/L		0.5 mg/L	
Carbonate as CO3	1 mg/L	1 mg/L	U	1 mg/L	U
Magnesium	0.5 mg/L	0.5 mg/L		0.5 mg/L	
Potassium	0.5 mg/L	0.5 mg/L		0.5 mg/L	
Sodium	0.5 mg/L	0.5 mg/L		0.5 mg/L	

G-5A: Routine Reporting Limit Check

Constituent	QAP Reporting Limit	MW-32		MW-35	
		7/9/2012		7/10/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--	20 ug/L	U
Acetone	20 µg/L	--	--	20 ug/L	U
Ammonia (as N)	0.05 mg/L	--	--	0.1 mg/L	
Arsenic	5 µg/L	--	--	5 ug/L	U
Benzene	1.0 µg/L	--	--	1 ug/L	U
Beryllium	0.50 µg/L	--	--	0.5 ug/L	U
Cadmium	0.50 µg/L	--	--	0.5 ug/L	U
Carbon Tetrachloride	1.0 µg/L	--	--	1 ug/L	U
Chloride (mg/L)	1 mg/L	--	--	1 mg/L	
Chloroform	1.0 µg/L	--	--	1 ug/L	U
Chloromethane	1.0 µg/L	--	--	1 ug/L	U
Chromium	25 µg/L	--	--	25 ug/L	U
Cobalt	10 µg/L	--	--	10 ug/L	U
Copper	10 µg/L	--	--	10 ug/L	U
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--	1 ug/L	U
Fluoride (Mg/L)	0.1 mg/L	--	--	0.1 mg/L	
Gross Alpha minus Rn & U MDC	1.0 pCi/L	0 pCi/L		0 pCi/L	
Iron	30 µg/L	--	--	30 ug/L	
Lead	1.0 µg/L	--	--	1 ug/L	U
Manganese	10 µg/L	--	--	10 ug/L	
Mercury	0.50 µg/L	--	--	0.5 ug/L	U
Molybdenum	10 µg/L	--	--	10 ug/L	U
Naphthalene	1.0 µg/L	--	--	1 ug/L	U
Nickel	20 µg/L	--	--	20 ug/L	U
Nitrate + Nitrite (as N)	0.1 mg/L	--	--	0.1 mg/L	U
Selenium	5 µg/L	--	--	5 ug/L	
Silver	10 µg/L	--	--	10 ug/L	U
Sulfate (mg/L)	1 mg/L	--	--	50 mg/L	D
TDS (mg/L)	10 mg/L	--	--	10 MG/L	
Tetrahydrofuran	1.0 µg/L	--	--	0 ug/L	
Thallium	0.50 µg/L	--	--	0.5 ug/L	
Tin	100 µg/L	--	--	0 ug/L	
Toluene	1.0 µg/L	--	--	1 ug/L	U
Uranium	0.30 µg/L	--	--	0.3 ug/L	
Vanadium	15 µg/L	--	--	15 ug/L	U
Xylenes (total)	1.0 µg/L	--	--	1 ug/L	U
Zinc	10 µg/L	--	--	10 ug/L	U
Bicarbonate as HCO ₃	1 mg/L	--	--	1 mg/L	
Calcium	0.5 mg/L	--	--	0.5 mg/L	
Carbonate as CO ₃	1 mg/L	--	--	1 mg/L	U
Magnesium	0.5 mg/L	--	--	0.5 mg/L	
Potassium	0.5 mg/L	--	--	0.5 mg/L	
Sodium	0.5 mg/L	--	--	1 mg/L	D

G-5A: Routine Reporting Limit Check

Constituent	QAP Reporting Limit	MW-36		MW-37	
		7/11/2012		7/30/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	20 ug/L	U	20 ug/L	U
Acetone	20 µg/L	20 ug/L	U	20 ug/L	U
Ammonia (as N)	0.05 mg/L	0.1 mg/L	U	0.1 mg/L	U
Arsenic	5 µg/L	5 ug/L	U	5 ug/L	U
Benzene	1.0 µg/L	1 ug/L	U	1 ug/L	U
Beryllium	0.50 µg/L	0.5 ug/L	U	0.5 ug/L	U
Cadmium	0.50 µg/L	0.5 ug/L	U	0.5 ug/L	U
Carbon Tetrachloride	1.0 µg/L	1 ug/L	U	1 ug/L	U
Chloride (mg/L)	1 mg/L	1 mg/L		4 mg/L	D
Chloroform	1.0 µg/L	1 ug/L	U	1 ug/L	U
Chloromethane	1.0 µg/L	1 ug/L	U	1 ug/L	U
Chromium	25 µg/L	25 ug/L	U	25 ug/L	U
Cobalt	10 µg/L	10 ug/L	U	10 ug/L	U
Copper	10 µg/L	10 ug/L	U	10 ug/L	U
Dichloromethane (Methylene Chloride)	1.0 µg/L	1 ug/L	U	1 ug/L	U
Fluoride (Mg/L)	0.1 mg/L	0.1 mg/L		0.1 mg/L	
Gross Alpha minus Rn & U MDC	1.0 pCi/L	0 pCi/L		0 pCi/L	
Iron	30 µg/L	30 ug/L	U	30 ug/L	U
Lead	1.0 µg/L	1 ug/L	U	1 ug/L	U
Manganese	10 µg/L	10 ug/L	U	10 ug/L	U
Mercury	0.50 µg/L	0.5 ug/L	U	0.5 ug/L	U
Molybdenum	10 µg/L	10 ug/L	U	10 ug/L	U
Naphthalene	1.0 µg/L	1 ug/L	U	1 ug/L	U
Nickel	20 µg/L	20 ug/L	U	20 ug/L	U
Nitrate + Nitrite (as N)	0.1 mg/L	0.1 mg/L		0.1 mg/L	
Selenium	5 µg/L	5 ug/L		5 ug/L	
Silver	10 µg/L	10 ug/L	U	10 ug/L	U
Sulfate (mg/L)	1 mg/L	50 mg/L	D	20 mg/L	D
TDS (mg/L)	10 mg/L	10 MG/L		10 MG/L	
Tetrahydrofuran	1.0 µg/L	0 ug/L		0.1 ug/L	
Thallium	0.50 µg/L	0.5 ug/L		0.5 ug/L	U
Tin	100 µg/L	0 ug/L		0.6 ug/L	
Toluene	1.0 µg/L	1 ug/L	U	1 ug/L	U
Uranium	0.30 µg/L	0.3 ug/L		0.3 ug/L	
Vanadium	15 µg/L	15 ug/L	U	15 ug/L	U
Xylenes (total)	1.0 µg/L	1 ug/L	U	1 ug/L	U
Zinc	10 µg/L	10 ug/L	U	10 ug/L	
Bicarbonate as HCO3	1 mg/L	1 mg/L		1 mg/L	
Calcium	0.5 mg/L	0.5 mg/L		0.5 mg/L	
Carbonate as CO3	1 mg/L	1 mg/L	U	1 mg/L	U
Magnesium	0.5 mg/L	0.5 mg/L		0.5 mg/L	
Potassium	0.5 mg/L	0.5 mg/L		0.5 mg/L	
Sodium	0.5 mg/L	1 mg/L	D	2 mg/L	D

G-5A: Routine Reporting Limit Check

Constituent	QAP Reporting Limit	MW-65		MW-65	
		7/11/2012		8/16/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--	20 ug/L	U
Acetone	20 µg/L	--	--	20 ug/L	U
Ammonia (as N)	0.05 mg/L	0.1 mg/L		--	--
Arsenic	5 µg/L	5 ug/L	U	--	--
Benzene	1.0 µg/L	--	--	1 ug/L	U
Beryllium	0.50 µg/L	0.5 ug/L	U	--	--
Cadmium	0.50 µg/L	0.5 ug/L	U	--	--
Carbon Tetrachloride	1.0 µg/L	--	--	1 ug/L	U
Chloride (mg/L)	1 mg/L	1 mg/L		--	--
Chloroform	1.0 µg/L	--	--	25 ug/L	D
Chloromethane	1.0 µg/L	--	--	1 ug/L	U
Chromium	25 µg/L	25 ug/L	U	--	--
Cobalt	10 µg/L	10 ug/L	U	--	--
Copper	10 µg/L	10 ug/L	U	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--	1 ug/L	
Fluoride (Mg/L)	0.1 mg/L	0.1 mg/L		--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	0 pCi/L		--	--
Iron	30 µg/L	30 ug/L		--	--
Lead	1.0 µg/L	1 ug/L	U	--	--
Manganese	10 µg/L	10 ug/L		--	--
Mercury	0.50 µg/L	0.5 ug/L	U	--	--
Molybdenum	10 µg/L	10 ug/L	U	--	--
Naphthalene	1.0 µg/L	--	--	1 ug/L	U
Nickel	20 µg/L	20 ug/L	U	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	0.1 mg/L		--	--
Selenium	5 µg/L	5 ug/L		--	--
Silver	10 µg/L	10 ug/L	U	--	--
Sulfate (mg/L)	1 mg/L	50 mg/L	D	--	--
TDS (mg/L)	10 mg/L	10 MG/L		--	--
Tetrahydrofuran	1.0 µg/L	0 ug/L		--	--
Thallium	0.50 µg/L	0.5 ug/L	U	--	--
Tin	100 µg/L	0 ug/L		--	--
Toluene	1.0 µg/L	--	--	1 ug/L	U
Uranium	0.30 µg/L	0.3 ug/L		--	--
Vanadium	15 µg/L	15 ug/L	U	--	--
Xylenes (total)	1.0 µg/L	--	--	1 ug/L	U
Zinc	10 µg/L	10 ug/L	U	--	--
Bicarbonate as HCO3	1 mg/L	1 mg/L		--	--
Calcium	0.5 mg/L	0.5 mg/L		--	--
Carbonate as CO3	1 mg/L	1 mg/L	U	--	--
Magnesium	0.5 mg/L	0.5 mg/L		--	--
Potassium	0.5 mg/L	0.5 mg/L		--	--
Sodium	0.5 mg/L	0.5 mg/L		--	--

G-5A: Routine Reporting Limit Check

Constituent	QAP Reporting Limit	MW-70	
		7/18/2012	
		RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--
Acetone	20 µg/L	--	--
Ammonia (as N)	0.05 mg/L	--	--
Arsenic	5 µg/L	--	--
Benzene	1.0 µg/L	--	--
Beryllium	0.50 µg/L	--	--
Cadmium	0.50 µg/L	--	--
Carbon Tetrachloride	1.0 µg/L	--	--
Chloride (mg/L)	1 mg/L	--	--
Chloroform	1.0 µg/L	--	--
Chloromethane	1.0 µg/L	--	--
Chromium	25 µg/L	--	--
Cobalt	10 µg/L	--	--
Copper	10 µg/L	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--
Fluoride (Mg/L)	0.1 mg/L	0.1 mg/L	
Gross Alpha minus Rn & U MDC	1.0 pCi/L	--	
Iron	30 µg/L	--	--
Lead	1.0 µg/L	--	--
Manganese	10 µg/L	--	--
Mercury	0.50 µg/L	--	--
Molybdenum	10 µg/L	--	--
Naphthalene	1.0 µg/L	--	--
Nickel	20 µg/L	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	--	--
Selenium	5 µg/L	5 µg/L	
Silver	10 µg/L	--	--
Sulfate (mg/L)	1 mg/L	--	--
TDS (mg/L)	10 mg/L	--	--
Tetrahydrofuran	1.0 µg/L	--	--
Thallium	0.50 µg/L	--	--
Tin	100 µg/L	--	--
Toluene	1.0 µg/L	--	--
Uranium	0.30 µg/L	--	--
Vanadium	15 µg/L	--	--
Xylenes (total)	1.0 µg/L	--	--
Zinc	10 µg/L	--	--
Bicarbonate as HCO ₃	1 mg/L	--	--
Calcium	0.5 mg/L	--	--
Carbonate as CO ₃	1 mg/L	--	--
Magnesium	0.5 mg/L	--	--
Potassium	0.5 mg/L	--	--
Sodium	0.5 mg/L	--	--

G-5B: Accelerated Reporting Limit Check

Constituent	QAP Reporting Limit	MW-11 8/7/2012		MW-14 8/7/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--	--	--
Acetone	20 µg/L	--	--	--	--
Ammonia (as N)	0.05 mg/L	--	--	--	--
Arsenic	5 µg/L	--	--	--	--
Benzene	1.0 µg/L	--	--	--	--
Beryllium	0.50 µg/L	--	--	--	--
Cadmium	0.50 µg/L	--	--	--	--
Carbon Tetrachloride	1.0 µg/L	--	--	--	--
Chloride (mg/L)	1 mg/L	--	--	--	--
Chloroform	1.0 µg/L	--	--	--	--
Chloromethane	1.0 µg/L	--	--	--	--
Chromium	25 µg/L	--	--	--	--
Cobalt	10 µg/L	--	--	--	--
Copper	10 µg/L	--	--	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--	--	--
Fluoride (Mg/L)	0.1 mg/L	--	--	--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	--	--	--	--
Gross Alpha minus Rn & U Precision (±)	1.0 pCi/L	--	--	--	--
Gross Alpha minus Rn & U	1.0 pCi/L	--	--	--	--
Iron	30 µg/L	--	--	--	--
Lead	1.0 µg/L	--	--	--	--
Manganese	10 µg/L	10 ug/L	--	10 ug/L	--
Mercury	0.50 µg/L	--	--	--	--
Molybdenum	10 µg/L	--	--	--	--
Naphthalene	1.0 µg/L	--	--	--	--
Nickel	20 µg/L	--	--	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	--	--	--	--
Selenium	5 µg/L	--	--	--	--
Silver	10 µg/L	--	--	--	--
Sulfate (mg/L)	1 mg/L	--	--	--	--
TDS (mg/L)	10 mg/L	--	--	--	--
Tetrahydrofuran	1.0 µg/L	--	--	--	--
Thallium	0.50 µg/L	--	--	--	--
Tin	100 µg/L	--	--	--	--
Toluene	1.0 µg/L	--	--	--	--
Uranium	0.30 µg/L	--	--	--	--
Vanadium	15 µg/L	--	--	--	--
Xylenes (total)	1.0 µg/L	--	--	--	--
Zinc	10 µg/L	--	--	--	--
A/C Balance (± 5) BALANCE-W	--	--	--	--	--
Anions BALANCE-W	--	--	--	--	--
Bicarbonate as HCO3	1 mg/L	--	--	--	--
Calcium	0.5 mg/L	--	--	--	--
Carbonate as CO3	1 mg/L	--	--	--	--
Cations BALANCE-W	--	--	--	--	--
Magnesium	0.5 mg/L	--	--	--	--
Potassium	0.5 mg/L	--	--	--	--
Sodium	0.5 mg/L	--	--	--	--

G-5B: Accelerated Reporting Limit Check

Constituent	QAP Reporting Limit	MW-25 8/6/2012		MW-26 8/8/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--	20 ug/L	U
Acetone	20 µg/L	--	--	20 ug/L	U
Ammonia (as N)	0.05 mg/L	--	--	--	--
Arsenic	5 µg/L	--	--	--	--
Benzene	1.0 µg/L	--	--	1 ug/L	U
Beryllium	0.50 µg/L	--	--	--	--
Cadmium	0.50 µg/L	--	--	--	--
Carbon Tetrachloride	1.0 µg/L	--	--	1 ug/L	U
Chloride (mg/L)	1 mg/L	--	--	4 mg/L	D
Chloroform	1.0 µg/L	--	--	500 ug/L	D
Chloromethane	1.0 µg/L	--	--	1 ug/L	U
Chromium	25 µg/L	--	--	--	--
Cobalt	10 µg/L	--	--	--	--
Copper	10 µg/L	--	--	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--	1 ug/L	
Fluoride (Mg/L)	0.1 mg/L	--	--	--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	--	--	--	--
Gross Alpha minus Rn & U Precision (±)	1.0 pCi/L	--	--	--	--
Gross Alpha minus Rn & U	1.0 pCi/L	--	--	--	--
Iron	30 µg/L	--	--	--	--
Lead	1.0 µg/L	--	--	--	--
Manganese	10 µg/L	--	--	--	--
Mercury	0.50 µg/L	--	--	--	--
Molybdenum	10 µg/L	--	--	--	--
Naphthalene	1.0 µg/L	--	--	1 ug/L	U
Nickel	20 µg/L	--	--	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	--	--	0.1 mg/L	
Selenium	5 µg/L	--	--	--	--
Silver	10 µg/L	--	--	--	--
Sulfate (mg/L)	1 mg/L	--	--	--	--
TDS (mg/L)	10 mg/L	--	--	10 MG/L	
Tetrahydrofuran	1.0 µg/L	--	--	--	--
Thallium	0.50 µg/L	--	--	--	--
Tin	100 µg/L	--	--	--	--
Toluene	1.0 µg/L	--	--	1 ug/L	U
Uranium	0.30 µg/L	0.3 ug/L		0.3 ug/L	
Vanadium	15 µg/L	--	--	--	--
Xylenes (total)	1.0 µg/L	--	--	1 ug/L	U
Zinc	10 µg/L	--	--	--	--
A/C Balance (± 5) BALANCE-W	--			--	
Anions BALANCE-W	--			--	
Bicarbonate as HCO3	1 mg/L		--	--	--
Calcium	0.5 mg/L		--	--	--
Carbonate as CO3	1 mg/L		--	--	--
Cations BALANCE-W	--			--	
Magnesium	0.5 mg/L		--	--	--
Potassium	0.5 mg/L		--	--	--
Sodium	0.5 mg/L		--	--	--

G-5B: Accelerated Reporting Limit Check

Constituent	QAP Reporting Limit	MW-30 8/7/2012		MW-31 8/6/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--	--	--
Acetone	20 µg/L	--	--	--	--
Ammonia (as N)	0.05 mg/L	--	--	--	--
Arsenic	5 µg/L	--	--	--	--
Benzene	1.0 µg/L	--	--	--	--
Beryllium	0.50 µg/L	--	--	--	--
Cadmium	0.50 µg/L	--	--	--	--
Carbon Tetrachloride	1.0 µg/L	--	--	--	--
Chloride (mg/L)	1 mg/L	2 mg/L	D	1 mg/L	
Chloroform	1.0 µg/L	--	--	--	--
Chloromethane	1.0 µg/L	--	--	--	--
Chromium	25 µg/L	--	--	--	--
Cobalt	10 µg/L	--	--	--	--
Copper	10 µg/L	--	--	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--	--	--
Fluoride (Mg/L)	0.1 mg/L	--	--	--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	--	--	--	--
Gross Alpha minus Rn & U Precision (±)	1.0 pCi/L	--	--	--	--
Gross Alpha minus Rn & U	1.0 pCi/L	--	--	--	--
Iron	30 µg/L	--	--	--	--
Lead	1.0 µg/L	--	--	--	--
Manganese	10 µg/L	--	--	--	--
Mercury	0.50 µg/L	--	--	--	--
Molybdenum	10 µg/L	--	--	--	--
Naphthalene	1.0 µg/L	--	--	--	--
Nickel	20 µg/L	--	--	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	2 mg/L	D	2 mg/L	D
Selenium	5 µg/L	5 ug/L		--	--
Silver	10 µg/L	--	--	--	--
Sulfate (mg/L)	1 mg/L	--	--	4 mg/L	D
TDS (mg/L)	10 mg/L	--	--	10 MG/L	
Tetrahydrofuran	1.0 µg/L	--	--	--	--
Thallium	0.50 µg/L	--	--	--	--
Tin	100 µg/L	--	--	--	--
Toluene	1.0 µg/L	--	--	--	--
Uranium	0.30 µg/L	0.3 ug/L		--	--
Vanadium	15 µg/L	--	--	--	--
Xylenes (total)	1.0 µg/L	--	--	--	--
Zinc	10 µg/L	--	--	--	--
A/C Balance (± 5) BALANCE-W	--	--	--	--	--
Anions BALANCE-W	--	--	--	--	--
Bicarbonate as HCO3	1 mg/L	--	--	--	--
Calcium	0.5 mg/L	--	--	--	--
Carbonate as CO3	1 mg/L	--	--	--	--
Cations BALANCE-W	--	--	--	--	--
Magnesium	0.5 mg/L	--	--	--	--
Potassium	0.5 mg/L	--	--	--	--
Sodium	0.5 mg/L	--	--	--	--

G-5B: Accelerated Reporting Limit Check

Constituent	QAP Reporting Limit	MW-35 8/8/2012		MW-65 8/7/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--	--	--
Acetone	20 µg/L	--	--	--	--
Ammonia (as N)	0.05 mg/L	--	--	--	--
Arsenic	5 µg/L	--	--	--	--
Benzene	1.0 µg/L	--	--	--	--
Beryllium	0.50 µg/L	--	--	--	--
Cadmium	0.50 µg/L	--	--	--	--
Carbon Tetrachloride	1.0 µg/L	--	--	--	--
Chloride (mg/L)	1 mg/L	--	--	--	--
Chloroform	1.0 µg/L	--	--	--	--
Chloromethane	1.0 µg/L	--	--	--	--
Chromium	25 µg/L	--	--	--	--
Cobalt	10 µg/L	--	--	--	--
Copper	10 µg/L	--	--	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--	--	--
Fluoride (Mg/L)	0.1 mg/L	--	--	--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	0 pCi/L		--	--
Gross Alpha minus Rn & U Precision (±)	1.0 pCi/L	0 pCi/L		--	--
Gross Alpha minus Rn & U	1.0 pCi/L	0.2 pCi/L		--	--
Iron	30 µg/L	--	--	--	--
Lead	1.0 µg/L	--	--	--	--
Manganese	10 µg/L	10 ug/L		10 ug/L	--
Mercury	0.50 µg/L	--	--	--	--
Molybdenum	10 µg/L	--	--	--	--
Naphthalene	1.0 µg/L	--	--	--	--
Nickel	20 µg/L	--	--	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	--	--	--	--
Selenium	5 µg/L	5 ug/L		--	--
Silver	10 µg/L	--	--	--	--
Sulfate (mg/L)	1 mg/L	--	--	--	--
TDS (mg/L)	10 mg/L	--	--	--	--
Tetrahydrofuran	1.0 µg/L	--	--	--	--
Thallium	0.50 µg/L	0.5 ug/L		--	--
Tin	100 µg/L	--	--	--	--
Toluene	1.0 µg/L	--	--	--	--
Uranium	0.30 µg/L	0.3 ug/L		--	--
Vanadium	15 µg/L	--	--	--	--
Xylenes (total)	1.0 µg/L	--	--	--	--
Zinc	10 µg/L	--	--	--	--
A/C Balance (± 5) BALANCE-W	--			--	--
Anions BALANCE-W	--			--	--
Bicarbonate as HCO3	1 mg/L		--	--	--
Calcium	0.5 mg/L		--	--	--
Carbonate as CO3	1 mg/L		--	--	--
Cations BALANCE-W	--			--	--
Magnesium	0.5 mg/L		--	--	--
Potassium	0.5 mg/L		--	--	--
Sodium	0.5 mg/L		--	--	--

G-5B: Accelerated Reporting Limit Check

Constituent	QAP Reporting Limit	MW-11 9/19/2012		MW-14 9/18/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--	--	--
Acetone	20 µg/L	--	--	--	--
Ammonia (as N)	0.05 mg/L	--	--	--	--
Arsenic	5 µg/L	--	--	--	--
Benzene	1.0 µg/L	--	--	--	--
Beryllium	0.50 µg/L	--	--	--	--
Cadmium	0.50 µg/L	--	--	--	--
Carbon Tetrachloride	1.0 µg/L	--	--	--	--
Chloride (mg/L)	1 mg/L	--	--	--	--
Chloroform	1.0 µg/L	--	--	--	--
Chloromethane	1.0 µg/L	--	--	--	--
Chromium	25 µg/L	--	--	--	--
Cobalt	10 µg/L	--	--	--	--
Copper	10 µg/L	--	--	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--	--	--
Fluoride (Mg/L)	0.1 mg/L	--	--	--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	--	--	--	--
Gross Alpha minus Rn & U Precision (±)	1.0 pCi/L	--	--	--	--
Gross Alpha minus Rn & U	1.0 pCi/L	--	--	--	--
Iron	30 µg/L	--	--	--	--
Lead	1.0 µg/L	--	--	--	--
Manganese	10 µg/L	10 ug/L	--	--	--
Mercury	0.50 µg/L	--	--	--	--
Molybdenum	10 µg/L	--	--	--	--
Naphthalene	1.0 µg/L	--	--	--	--
Nickel	20 µg/L	--	--	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	--	--	--	--
Selenium	5 µg/L	--	--	--	--
Silver	10 µg/L	--	--	--	--
Sulfate (mg/L)	1 mg/L	--	--	--	--
TDS (mg/L)	10 mg/L	--	--	--	--
Tetrahydrofuran	1.0 µg/L	--	--	--	--
Thallium	0.50 µg/L	--	--	--	--
Tin	100 µg/L	--	--	--	--
Toluene	1.0 µg/L	--	--	--	--
Uranium	0.30 µg/L	--	--	--	--
Vanadium	15 µg/L	--	--	--	--
Xylenes (total)	1.0 µg/L	--	--	--	--
Zinc	10 µg/L	--	--	--	--
A/C Balance (± 5) BALANCE-W	--	--	--	--	--
Anions BALANCE-W	--	--	--	--	--
Bicarbonate as HCO3	1 mg/L	--	--	--	--
Calcium	0.5 mg/L	--	--	--	--
Carbonate as CO3	1 mg/L	--	--	--	--
Cations BALANCE-W	--	--	--	--	--
Magnesium	0.5 mg/L	--	--	--	--
Potassium	0.5 mg/L	--	--	--	--
Sodium	0.5 mg/L	--	--	--	--

G-5B: Accelerated Reporting Limit Check

Constituent	QAP Reporting Limit	MW-25 9/18/2012		MW-26 9/19/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--	20 ug/L	UH
Acetone	20 µg/L	--	--	20 ug/L	UH
Ammonia (as N)	0.05 mg/L	--	--	--	--
Arsenic	5 µg/L	--	--	--	--
Benzene	1.0 µg/L	--	--	1 ug/L	UH
Beryllium	0.50 µg/L	--	--	--	--
Cadmium	0.50 µg/L	--	--	--	--
Carbon Tetrachloride	1.0 µg/L	--	--	1 ug/L	UH
Chloride (mg/L)	1 mg/L	--	--	2 mg/L	D
Chloroform	1.0 µg/L	--	--	100 ug/L	DH
Chloromethane	1.0 µg/L	--	--	1 ug/L	UH
Chromium	25 µg/L	--	--	--	--
Cobalt	10 µg/L	--	--	--	--
Copper	10 µg/L	--	--	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--	1 ug/L	H
Fluoride (Mg/L)	0.1 mg/L	--	--	--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	--	--	--	--
Gross Alpha minus Rn & U Precision (±)	1.0 pCi/L	--	--	--	--
Gross Alpha minus Rn & U	1.0 pCi/L	--	--	--	--
Iron	30 µg/L	--	--	--	--
Lead	1.0 µg/L	--	--	--	--
Manganese	10 µg/L	--	--	--	--
Mercury	0.50 µg/L	--	--	--	--
Molybdenum	10 µg/L	--	--	--	--
Naphthalene	1.0 µg/L	--	--	1 ug/L	UH
Nickel	20 µg/L	--	--	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	--	--	0.1 mg/L	--
Selenium	5 µg/L	--	--	--	--
Silver	10 µg/L	--	--	--	--
Sulfate (mg/L)	1 mg/L	--	--	--	--
TDS (mg/L)	10 mg/L	--	--	--	--
Tetrahydrofuran	1.0 µg/L	--	--	--	--
Thallium	0.50 µg/L	--	--	--	--
Tin	100 µg/L	--	--	--	--
Toluene	1.0 µg/L	--	--	1 ug/L	UH
Uranium	0.30 µg/L	0.3 ug/L	--	0.3 ug/L	--
Vanadium	15 µg/L	--	--	--	--
Xylenes (total)	1.0 µg/L	--	--	1 ug/L	UH
Zinc	10 µg/L	--	--	--	--
A/C Balance (± 5) BALANCE-W	--	--	--	--	--
Anions BALANCE-W	--	--	--	--	--
Bicarbonate as HCO3	1 mg/L	--	--	--	--
Calcium	0.5 mg/L	--	--	--	--
Carbonate as CO3	1 mg/L	--	--	--	--
Cations BALANCE-W	--	--	--	--	--
Magnesium	0.5 mg/L	--	--	--	--
Potassium	0.5 mg/L	--	--	--	--
Sodium	0.5 mg/L	--	--	--	--

G-5B: Accelerated Reporting Limit Check

Constituent	QAP Reporting Limit	MW-30 9/19/2012		MW-31 9/18/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--	--	--
Acetone	20 µg/L	--	--	--	--
Ammonia (as N)	0.05 mg/L	--	--	--	--
Arsenic	5 µg/L	--	--	--	--
Benzene	1.0 µg/L	--	--	--	--
Beryllium	0.50 µg/L	--	--	--	--
Cadmium	0.50 µg/L	--	--	--	--
Carbon Tetrachloride	1.0 µg/L	--	--	--	--
Chloride (mg/L)	1 mg/L	1 mg/L		1 mg/L	
Chloroform	1.0 µg/L	--	--	--	--
Chloromethane	1.0 µg/L	--	--	--	--
Chromium	25 µg/L	--	--	--	--
Cobalt	10 µg/L	--	--	--	--
Copper	10 µg/L	--	--	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--	--	--
Fluoride (Mg/L)	0.1 mg/L	--	--	--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	--		--	
Gross Alpha minus Rn & U Precision (±)	1.0 pCi/L	--		--	
Gross Alpha minus Rn & U	1.0 pCi/L	--		--	
Iron	30 µg/L	--	--	--	--
Lead	1.0 µg/L	--	--	--	--
Manganese	10 µg/L	--	--	--	--
Mercury	0.50 µg/L	--	--	--	--
Molybdenum	10 µg/L	--	--	--	--
Naphthalene	1.0 µg/L	--	--	--	--
Nickel	20 µg/L	--	--	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	2 mg/L	D	2 mg/L	D
Selenium	5 µg/L	5 ug/L		--	--
Silver	10 µg/L	--	--	--	--
Sulfate (mg/L)	1 mg/L	--	--	4 mg/L	D
TDS (mg/L)	10 mg/L	--	--	10 MG/L	
Tetrahydrofuran	1.0 µg/L	--	--	--	--
Thallium	0.50 µg/L	--	--	--	--
Tin	100 µg/L	--	--	--	--
Toluene	1.0 µg/L	--	--	--	--
Uranium	0.30 µg/L	0.3 ug/L		--	--
Vanadium	15 µg/L	--	--	--	--
Xylenes (total)	1.0 µg/L	--	--	--	--
Zinc	10 µg/L	--	--	--	--
A/C Balance (± 5) BALANCE-W	--	--		--	
Anions BALANCE-W	--	--		--	
Bicarbonate as HCO3	1 mg/L	--	--	--	--
Calcium	0.5 mg/L	--	--	--	--
Carbonate as CO3	1 mg/L	--	--	--	--
Cations BALANCE-W	--	--		--	
Magnesium	0.5 mg/L	--	--	--	--
Potassium	0.5 mg/L	--	--	--	--
Sodium	0.5 mg/L	--	--	--	--

G-5B: Accelerated Reporting Limit Check

Constituent	QAP Reporting Limit	MW-35 9/19/2012		MW-65 9/19/2012	
		RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	--	--	--	--
Acetone	20 µg/L	--	--	--	--
Ammonia (as N)	0.05 mg/L	--	--	--	--
Arsenic	5 µg/L	--	--	--	--
Benzene	1.0 µg/L	--	--	--	--
Beryllium	0.50 µg/L	--	--	--	--
Cadmium	0.50 µg/L	--	--	--	--
Carbon Tetrachloride	1.0 µg/L	--	--	--	--
Chloride (mg/L)	1 mg/L	--	--	--	--
Chloroform	1.0 µg/L	--	--	--	--
Chloromethane	1.0 µg/L	--	--	--	--
Chromium	25 µg/L	--	--	--	--
Cobalt	10 µg/L	--	--	--	--
Copper	10 µg/L	--	--	--	--
Dichloromethane (Methylene Chloride)	1.0 µg/L	--	--	--	--
Fluoride (Mg/L)	0.1 mg/L	--	--	--	--
Gross Alpha minus Rn & U MDC	1.0 pCi/L	0 pCi/L		0 pCi/L	
Gross Alpha minus Rn & U Precision (±)	1.0 pCi/L	0 pCi/L		0 pCi/L	
Gross Alpha minus Rn & U	1.0 pCi/L	0.2 pCi/L		0.2 pCi/L	
Iron	30 µg/L	--	--	--	--
Lead	1.0 µg/L	--	--	--	--
Manganese	10 µg/L	10 ug/L		10 ug/L	
Mercury	0.50 µg/L	--	--	--	--
Molybdenum	10 µg/L	--	--	--	--
Naphthalene	1.0 µg/L	--	--	--	--
Nickel	20 µg/L	--	--	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	--	--	--	--
Selenium	5 µg/L	5 ug/L		5 ug/L	
Silver	10 µg/L	--	--	--	--
Sulfate (mg/L)	1 mg/L	--	--	--	--
TDS (mg/L)	10 mg/L	--	--	--	--
Tetrahydrofuran	1.0 µg/L	--	--	--	--
Thallium	0.50 µg/L	0.5 ug/L		0.5 ug/L	U
Tin	100 µg/L	--	--	--	--
Toluene	1.0 µg/L	--	--	--	--
Uranium	0.30 µg/L	0.3 ug/L		0.3 ug/L	
Vanadium	15 µg/L	--	--	--	--
Xylenes (total)	1.0 µg/L	--	--	--	--
Zinc	10 µg/L	--	--	--	--
A/C Balance (± 5) BALANCE-W	--	--		--	
Anions BALANCE-W	--	--		--	
Bicarbonate as HCO3	1 mg/L	--	--	--	--
Calcium	0.5 mg/L	--	--	--	--
Carbonate as CO3	1 mg/L	--	--	--	--
Cations BALANCE-W	--	--		--	
Magnesium	0.5 mg/L	--	--	--	--
Potassium	0.5 mg/L	--	--	--	--
Sodium	0.5 mg/L	--	--	--	--

G-6A: Trip Blank Evaluation

All trip blanks for the 2012 Third Quarter samples were nondetect.

Blank	Sample Date	Laboratory
EL - C12070448	7/13/2012	Energy Laboratories
EL - C12080830	8/16/2012	Energy Laboratories
EL - C12080143	8/3/2012	Energy Laboratories
AWAL - 1207185 - THF and Tin	7/9/2012	American West Analytical Laboratories
AWAL - 1208066 - THF and Tin	7/30/2012	American West Analytical Laboratories

G-6B: Trip Blank Evaluation

All trip blanks for the Accelerated samples were non detect.

Blank	Sample Date	Laboratory
1	8/8/2012	Energy Laboratories
2	9/19/2012	Energy Laboratories

G-7A: QA/QC Evaluation for Routine Sample Duplicates

Constituent	MW-26	MW-65	%RPD
Nitrate + Nitrite (as N)	1.9	2.1	10.00
Iron	773	793	2.55
Manganese	1100	1200	8.70
Selenium	5	5.1	1.98
Uranium	28.4	30.2	6.14
Chloroform	970	960	1.04
Dichloromethane (Methylene Chloride)	4.9	5.2	5.94
Chloride (mg/L)	78	74	5.26
Field pH (S.U.)	7.1	6.72	5.50
TDS (mg/L)	3060	3130	2.26
Bicarbonate as HCO ₃	382	390	2.07
Calcium	493	463	6.28
Cations BALANCE-W	45.6	45.3	0.66
Magnesium	152	161	5.75
Potassium	9.5	10.4	9.05
Sodium	189	201	6.15
Radiologic Duplicate Tests			
Gross Alpha minus Rn & U MDC	0.2	0.2	0.00
Gross Alpha minus Rn & U*	1.8	2	0.471
Gross Alpha minus Rn & U Precision (±)	0.3	0.3	

* Duplicate checks reported for gross alpha minus RN and U are not %RPD. Calculated values are based on the formula in the approved QAP.

Constituent	MW-03	MW-70	%RPD
Selenium	51.1	48.6	5.02
Fluoride (Mg/L)	0.96	1.02	6.06

G-7B: QA/QC Evaluation for Accelerated Sample Duplicates

Constituent	MW-14 8/7/2012	MW-65 8/7/2012	%RPD
Manganese	2300	2250	2.20

Constituent	MW-35 9/19/2012	MW-65 9/19/2012	%RPD
Manganese	283	273	3.60
Selenium	8.2	9.7	16.76
Thallium	0.54	0.5	7.69
Uranium	22.9	22.6	1.32
Radiologic RPD Tests			
Gross Alpha minus Rn & U MDC	0.2	0.2	0.00
Gross Alpha minus Rn & U	5.4	6	0.71
Gross Alpha minus Rn & U Precision (\pm)	0.6	0.6	

G-8A: Radiologics Counting Error

Well	Sample Date	Gross Alpha minus Rn & U	Gross Alpha minus Rn & U Precision (\pm)	Counting Error \leq 20%	GWCL	Within GWCL?
MW-02	7/16/2012	0.9	0.2	N	3.2	Y
MW-11	7/11/2012	0.3	0.1	N	3.75	Y
MW-14	7/11/2012	0.2 U	0.1	N	7.5	NC
MW-25	7/10/2012	0.7	0.2	N	7.5	Y
MW-26	7/11/2012	1.8	0.3	Y	4.69	Y
MW-27	7/16/2012	1.2	0.3	N	2	Y
MW-30	7/10/2012	0.3	0.1	N	3.75	Y
MW-31	7/9/2012	0.3	0.1	N	7.5	Y
MW-32	7/9/2012	1.4	0.2	Y	3.33	Y
MW-35	7/10/2012	3.5	0.3	Y	3.75	NA
MW-36	7/11/2012	0.6	0.2	N	No GWCLs have been set	
MW-37	7/30/2012	2.9	1.2	N		
MW-65	7/11/2012	2	0.3	Y	4.69	Y

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 - Sample results were nondetect and as such 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 & U Precision (\pm)	Counting Error \leq 20%	GWCL
MW-35	8/8/2012	4.2	0.5	Y	NA
MW-35	9/19/2012	5.4	0.6	Y	NA

N/A - the counting error is less than 20% of the activity as required by the GWDP. The value is above the GWCL and this check column is not applicable.

G-9A: Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD
C12070448	NA	Naphthalene	80	102	70 - 130	25
C12070448	MW-35	Chloromethane	71	88	70 - 130	21
C12070448	NA	Acetone	69	68	70 - 130	1.7
C12070741	NA	Manganese*	NC	NC	70 - 130	NC
C12080830	NA	Naphthalene	83	103	70 - 130	21
C12080143	NA	Methylene Chloride	68	65	70 - 130	4.2

NA = MS samples were not Denison samples.

*= Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike level.

Surrogate % Recovery

Lab Report	Well/Sample	Analyte	Surrogate %REC	Lab Specified REC Range	QAP Required Range
C12070448	MW-31	p-Bromofluorobenzene	78	80 - 120	None
C12070448	MW-35	p-Bromofluorobenzene	75	80 - 120	None
C12070448	Trip Blank	p-Bromofluorobenzene	78	80 - 120	None
C12070448	Method Blank	p-Bromofluorobenzene	79	80 - 120	None
C12070448	Method Blank	p-Bromofluorobenzene	78	80 - 120	None

LCS % Recovery

Lab Report	Analyte	LCS %REC	Lab Specified REC Range	QAP Required Range
C1208143	Gross Alpha	131	70 - 130	None

Method Blank detections

Lab Report	Well/Sample	Analyte	Reported Concentration	QAP Required RL
C12080143	Method Blank	Bicarbonate	1.52 mg/L	1.0 mg/L

G-9B: Accelerated Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD %
C12080469 - August Accelerated	MW-65 (duplicate of MW-14)	Manganese*	NC	NC	70-130	NC
C12090804 - September Accelerated	NA	Nitrate+Nitrite as N	116	113	90 - 110	1.9

*= Recovery was not calculated as the analyte level in the sample was greater than 4 times the spike level.

NA = MS samples were not Denison samples.

Laboratory Control Sample

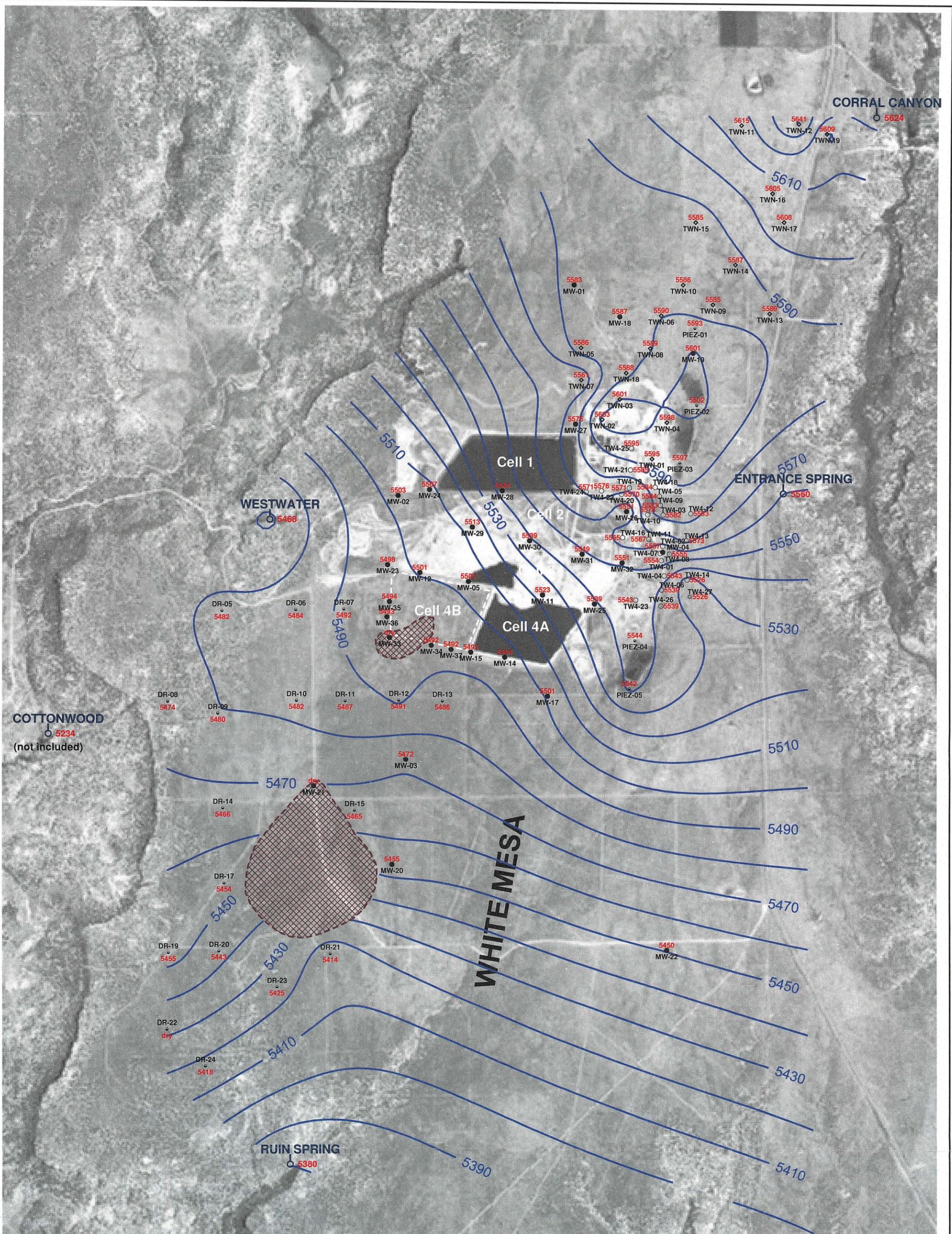
Lab Report	Analyte	LCS %REC	Lab Specified REC Range	QAP Required Range
C12080469 - August Accelerated	Gross Alpha	78	80 - 120	None

Surrogate % Recovery

All surrogate recoveries were within the laboratory established recovery ranges.

Tab H

Kriged Current Quarterly Groundwater Contour Map



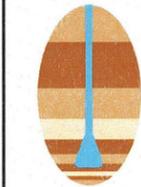
EXPLANATION

-  estimated dry area
- MW-5**
 5503 perched monitoring well showing elevation in feet amsl
- TW4-12**
 5583 temporary perched monitoring well showing elevation in feet amsl
- TWN-10**
 5586 temporary perched nitrate monitoring well showing elevation in feet amsl
- PIEZ-1**
 5593 perched piezometer showing elevation in feet amsl
- TW4-27**
 5526 temporary perched monitoring well installed October, 2011 showing elevation in feet amsl
- RUIN SPRING**
 5380 seep or spring showing elevation in feet amsl



1 mile

NOTE: MW-4, MW-26, TW4-4, TW4-19, and TW4-20 are pumping wells



**HYDRO
GEO
CHEM, INC.**

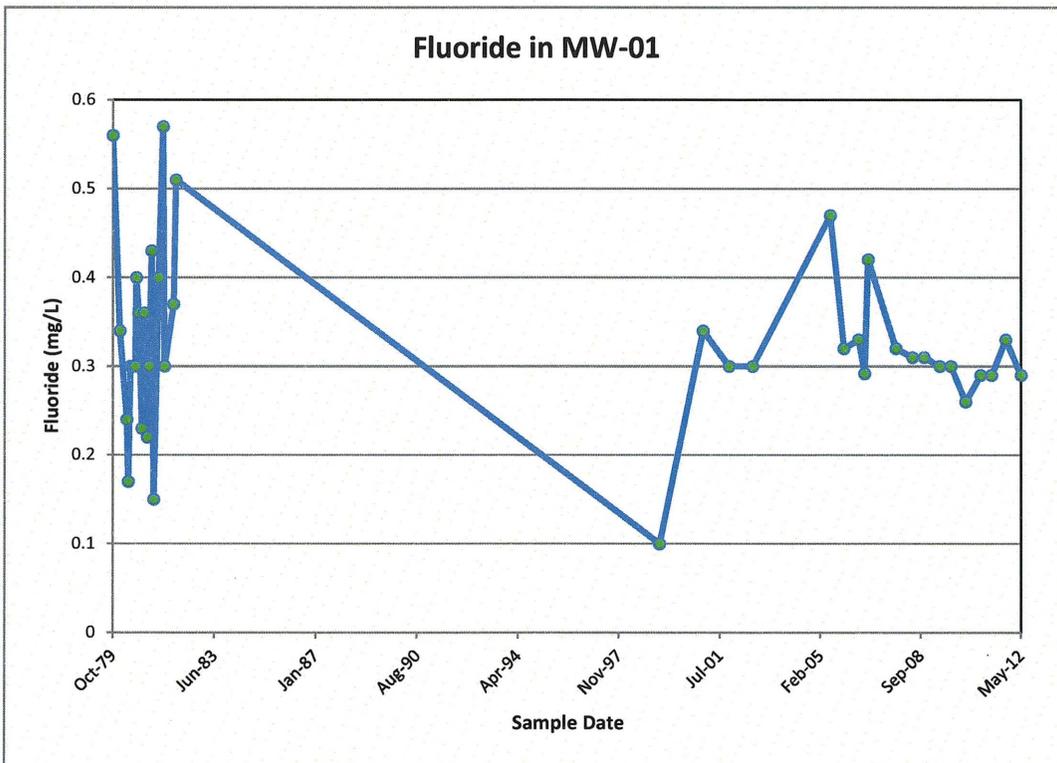
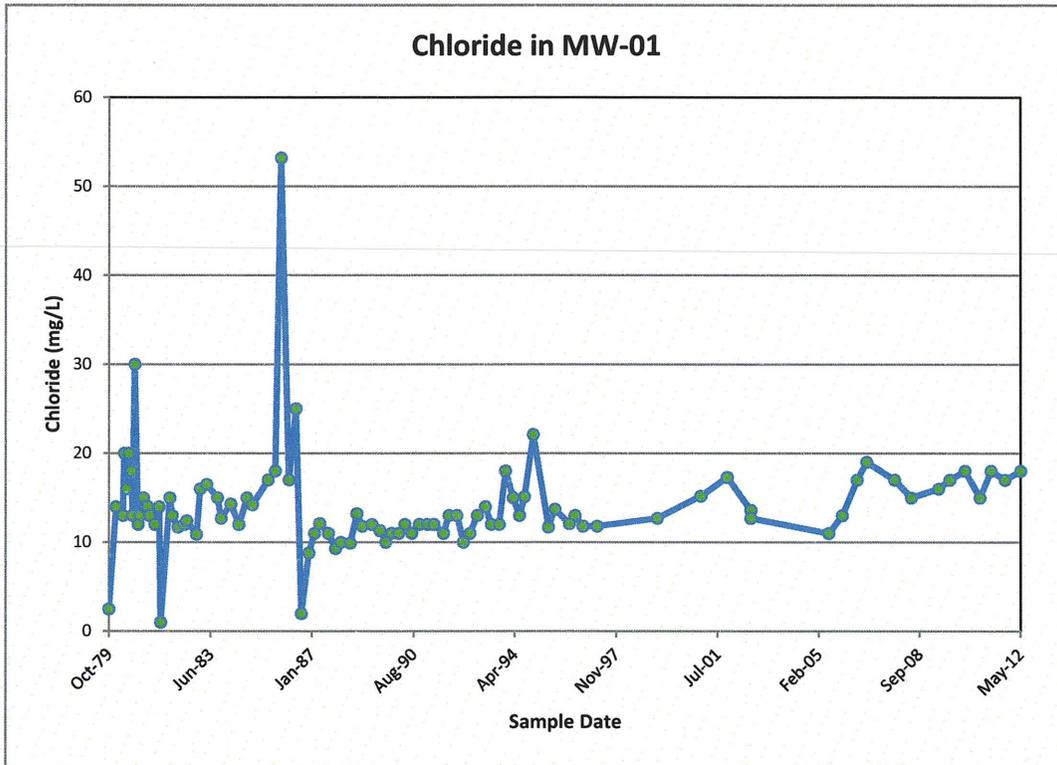
**KRIGED 3rd QUARTER, 2012 WATER LEVELS
WHITE MESA SITE**

APPROVED	DATE	REFERENCE	FIGURE
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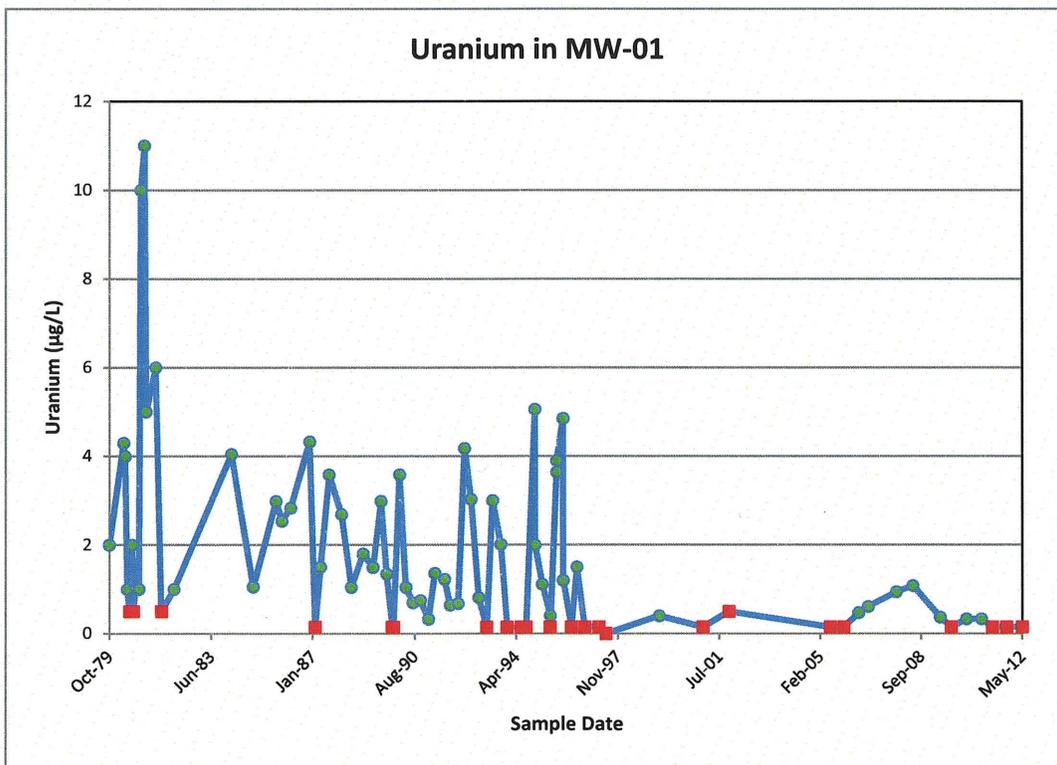
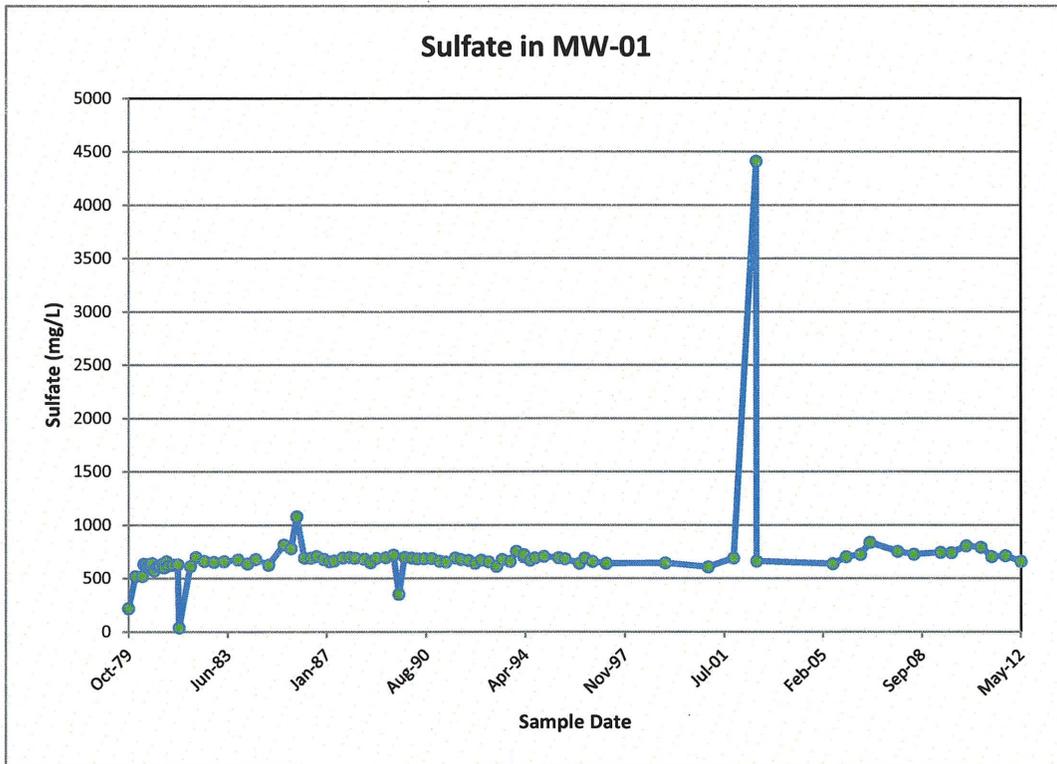
Tab I

Groundwater Time Concentration Plots

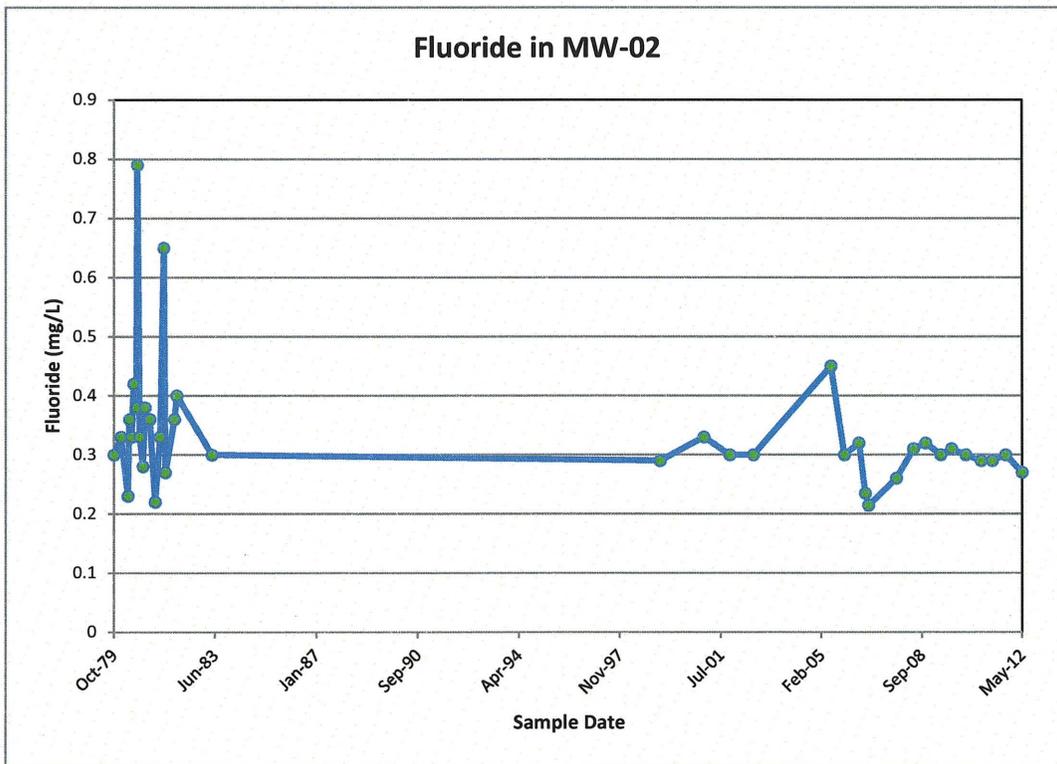
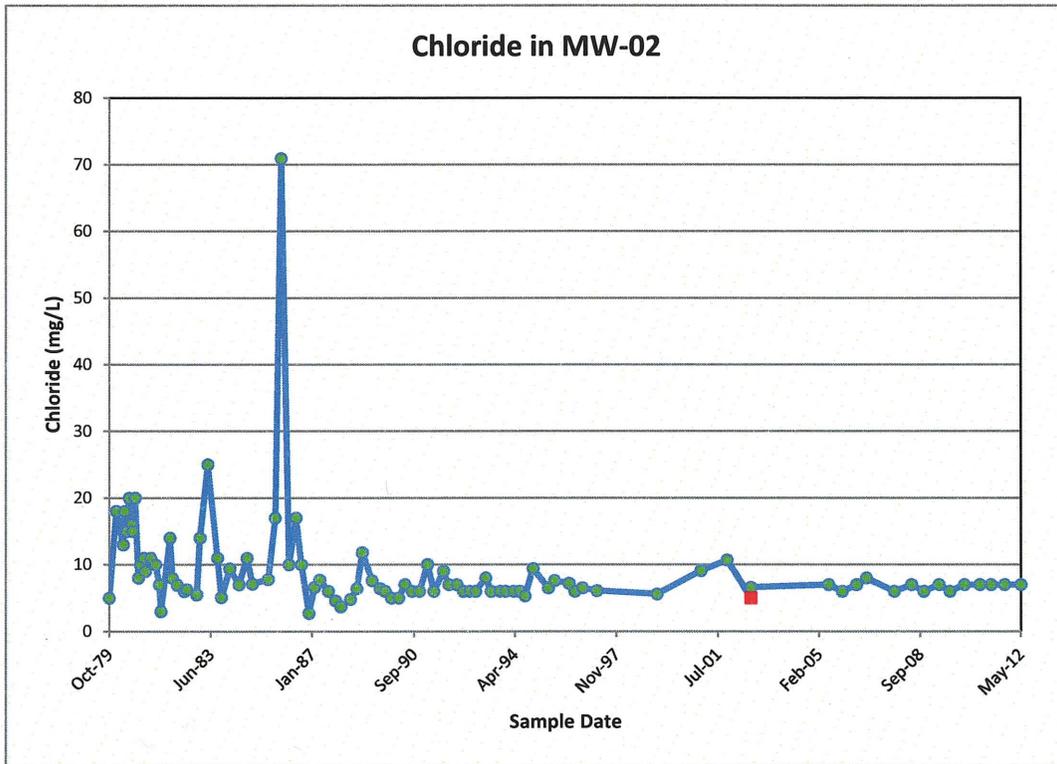
Time concentration plots for MW-01



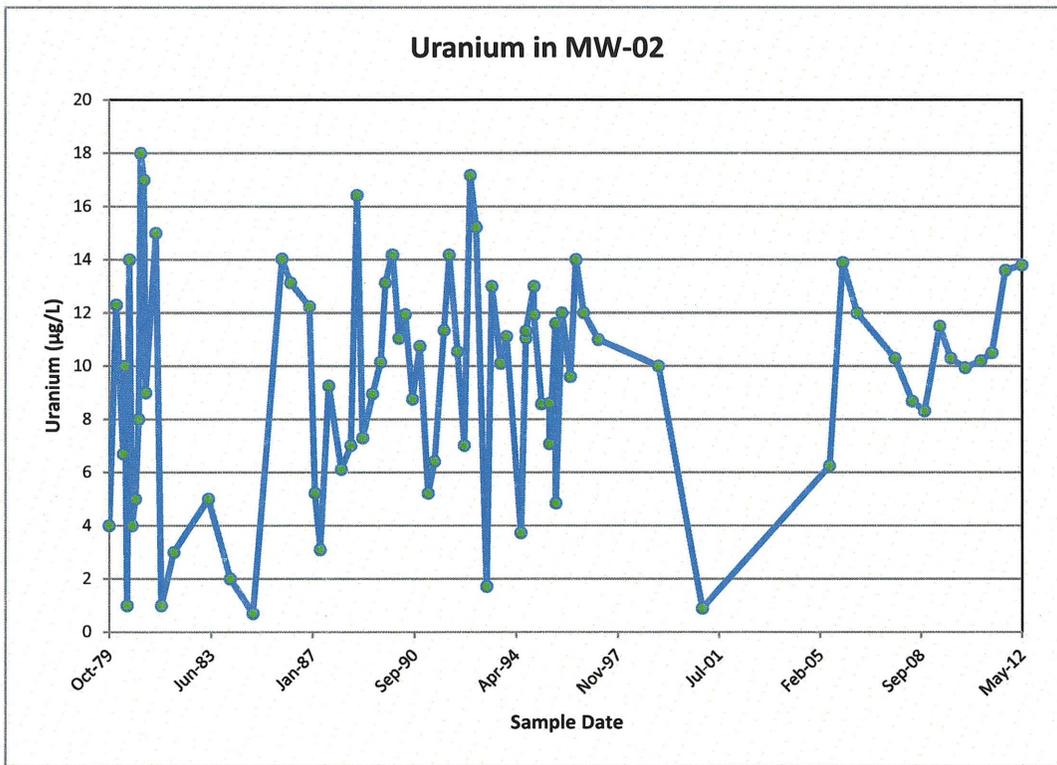
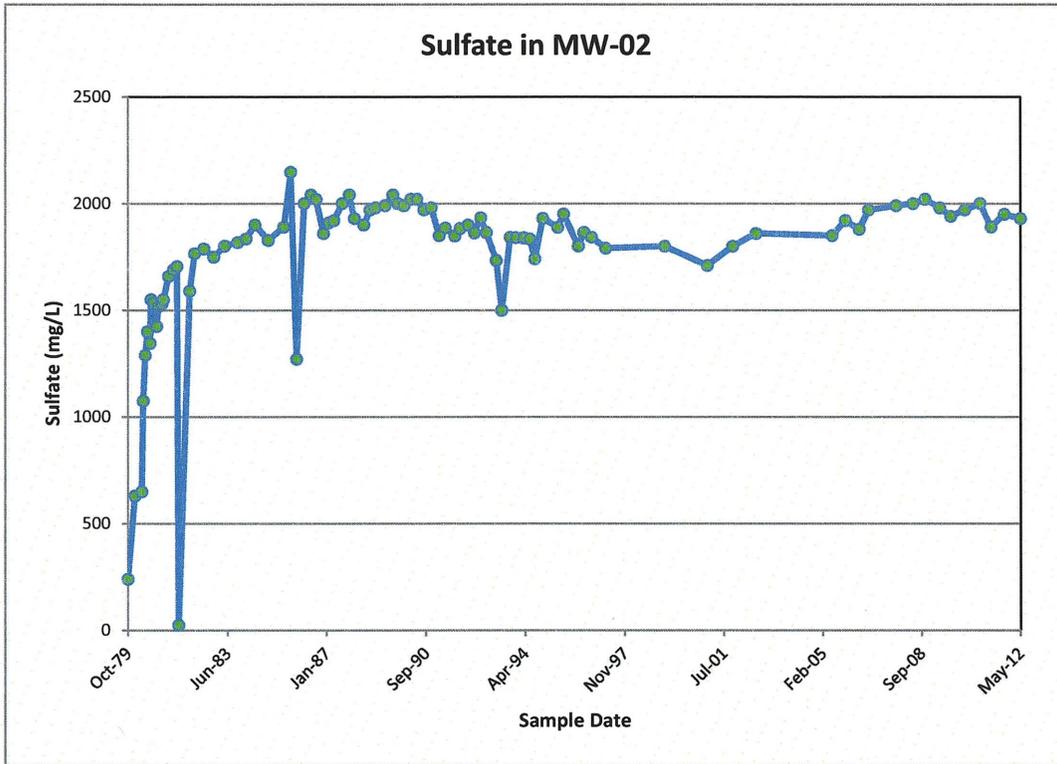
Time concentration plots for MW-01



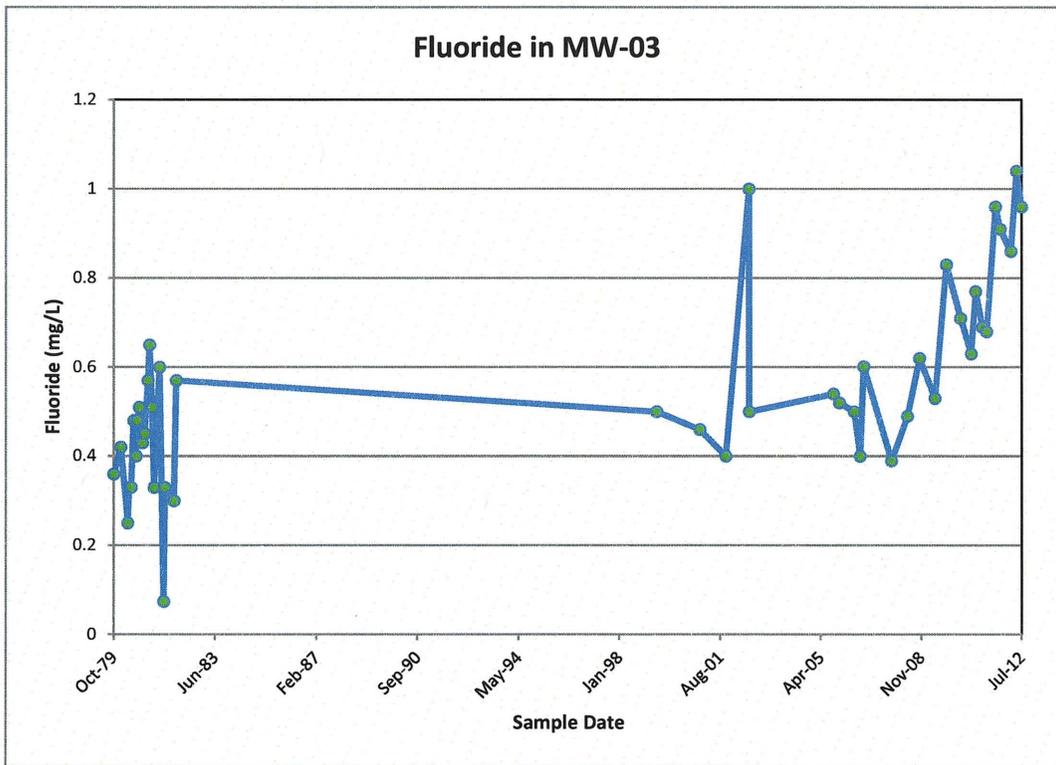
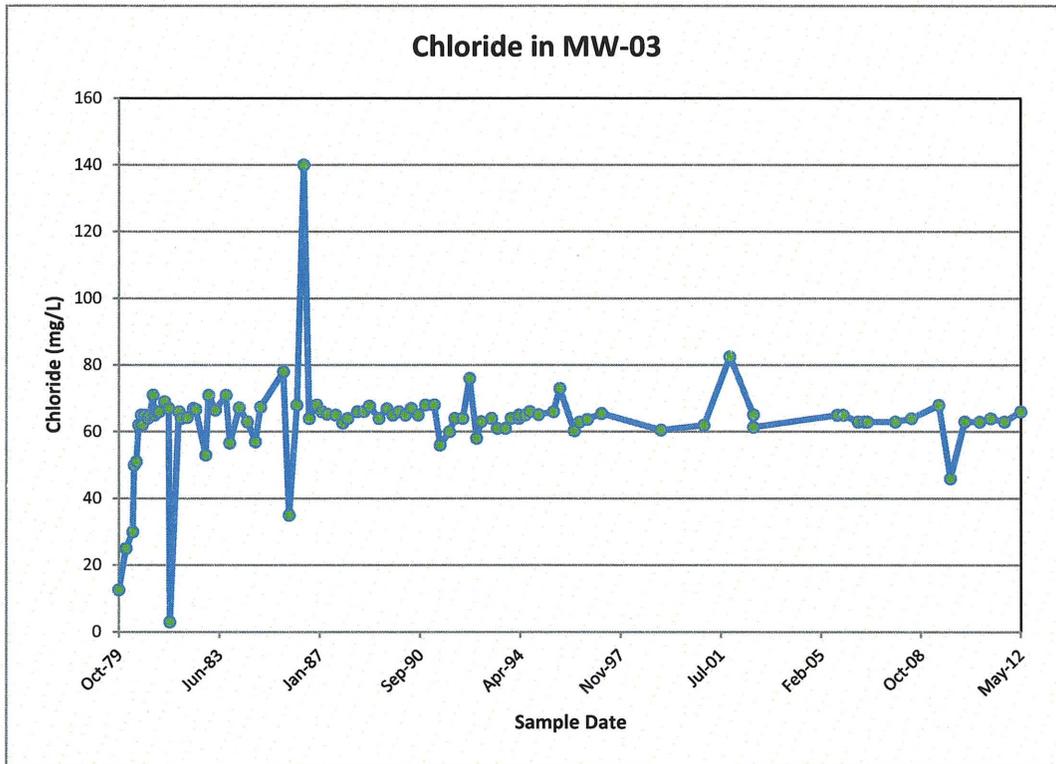
Time concentration plots for MW-02



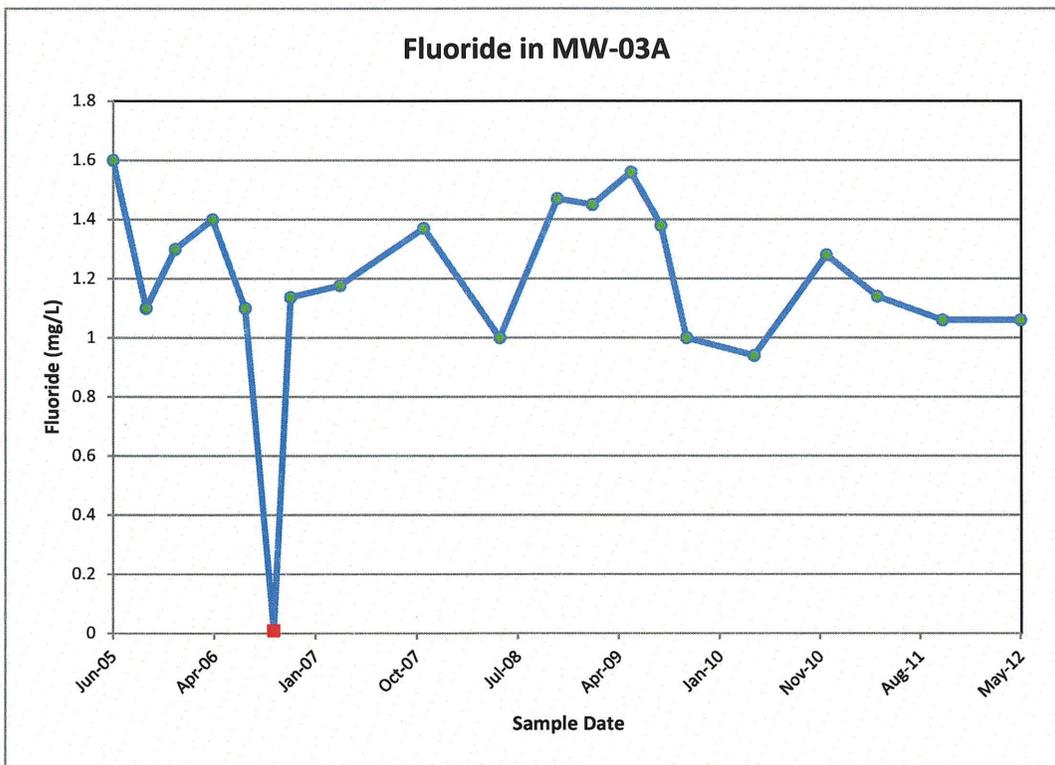
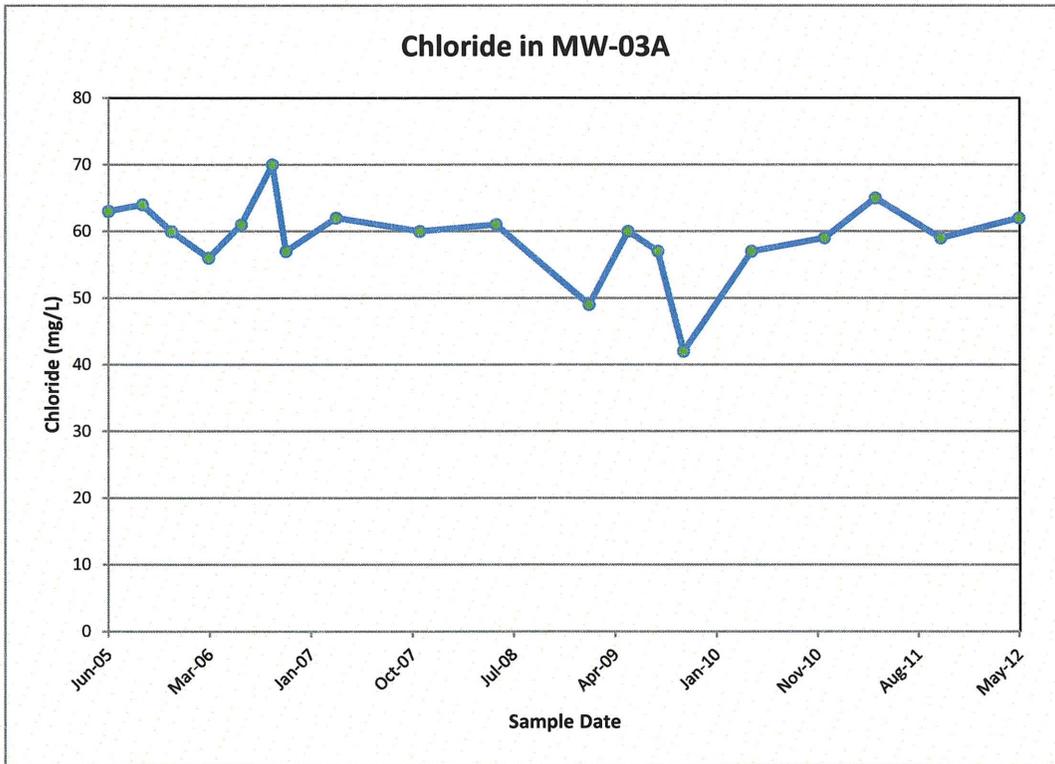
Time concentration plots for MW-02



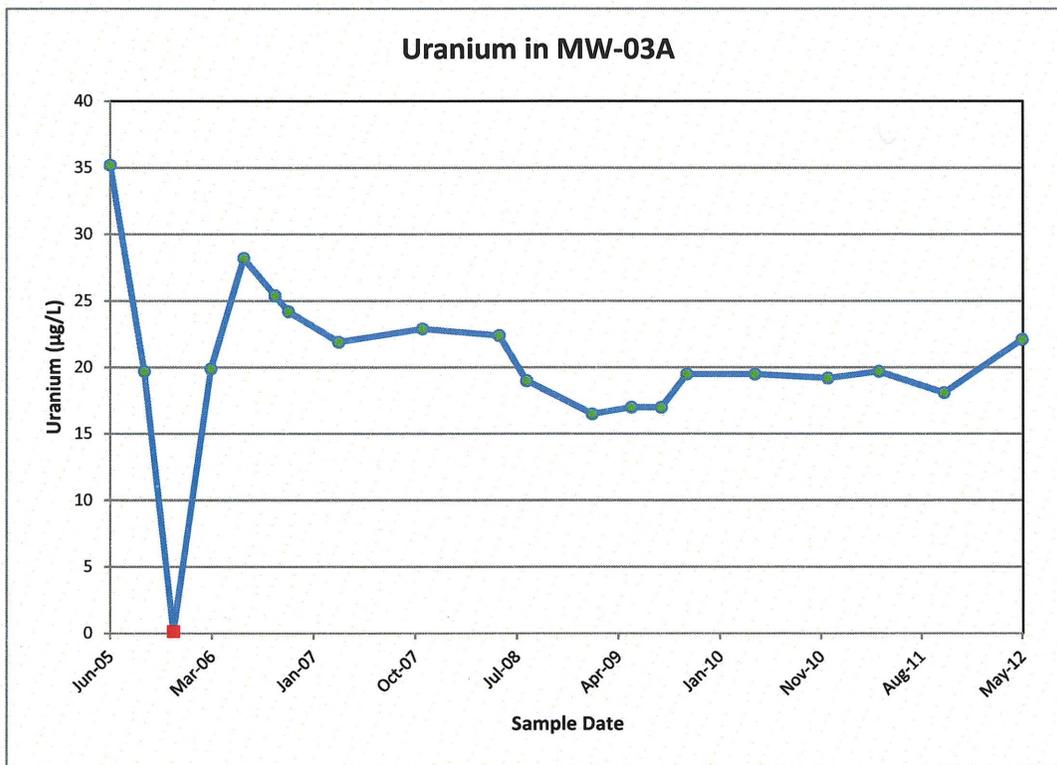
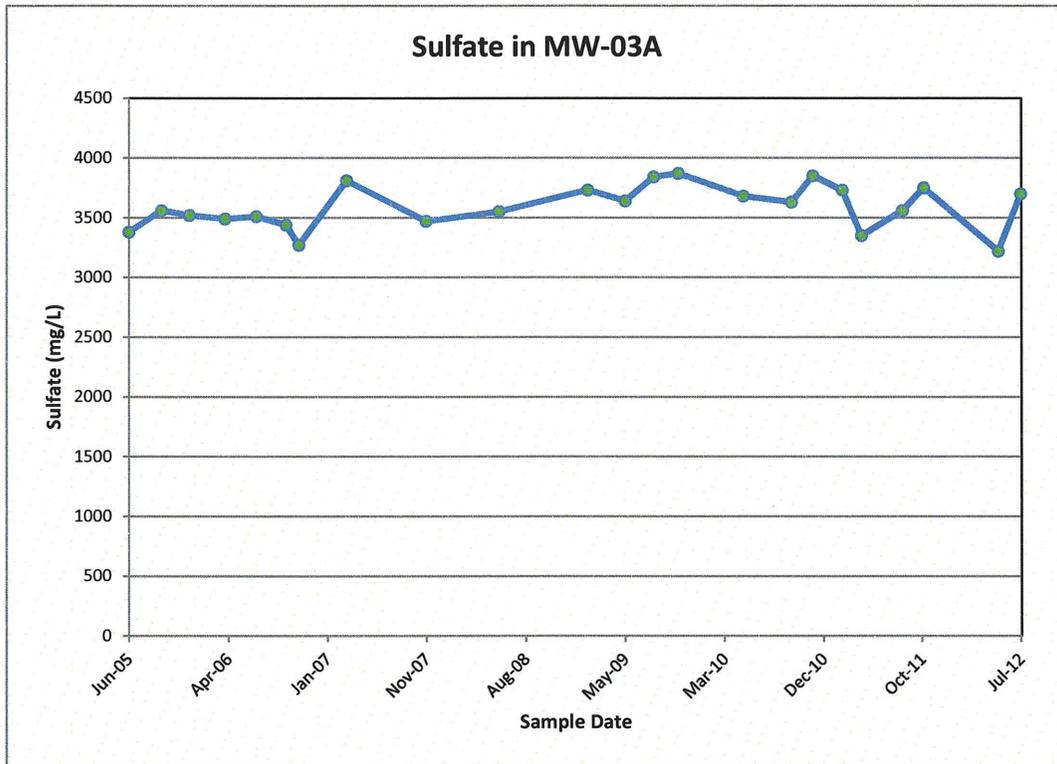
Time concentration plots for MW-03



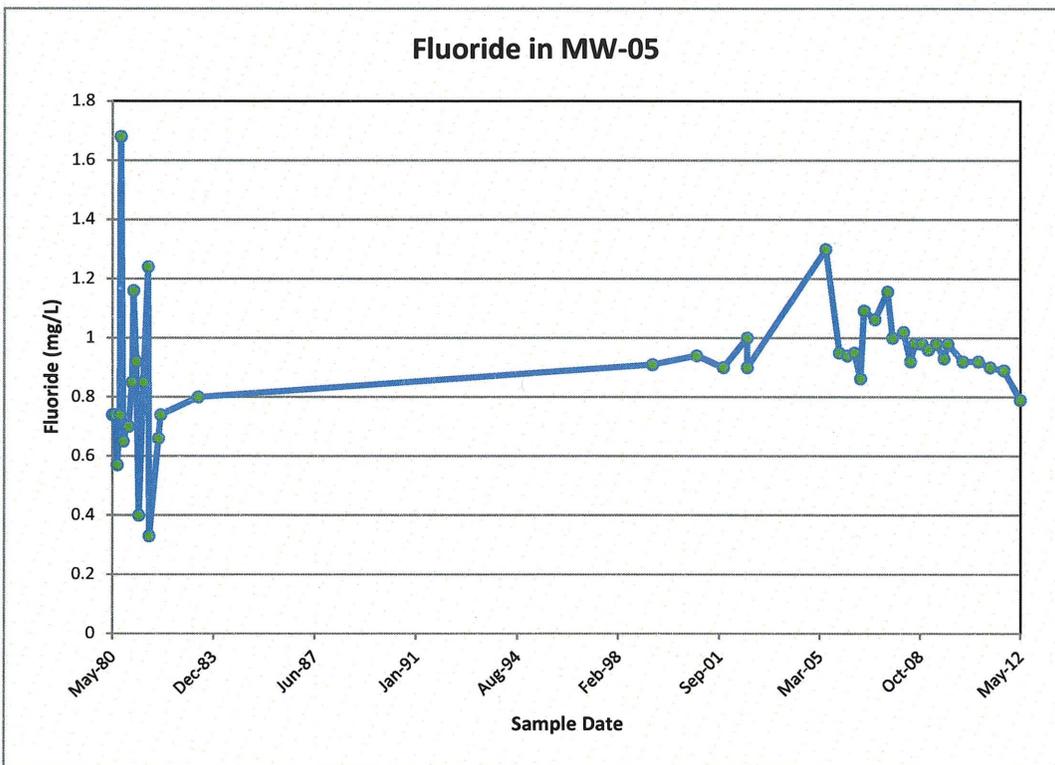
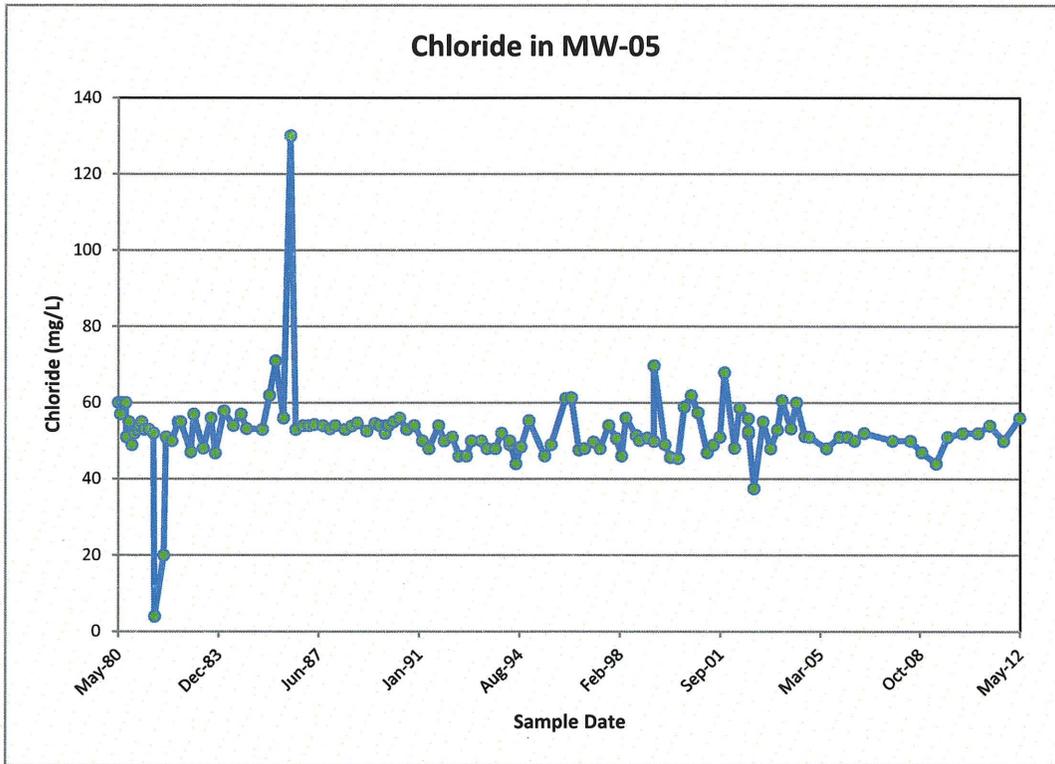
Time concentration plots for MW-03A



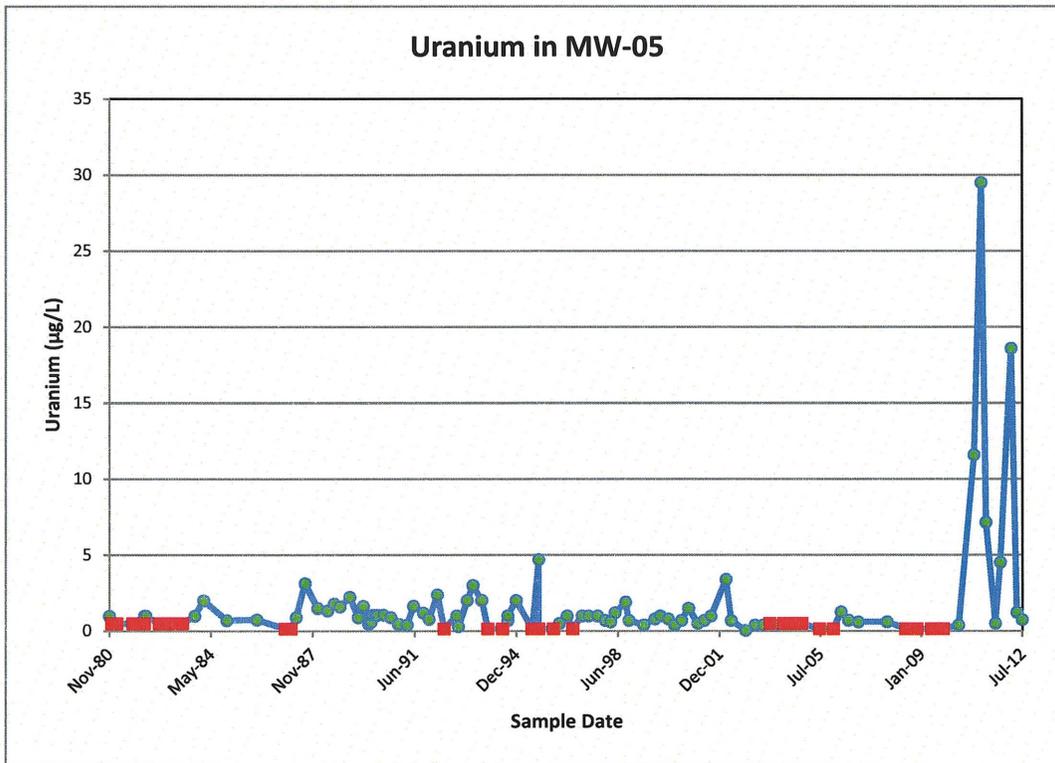
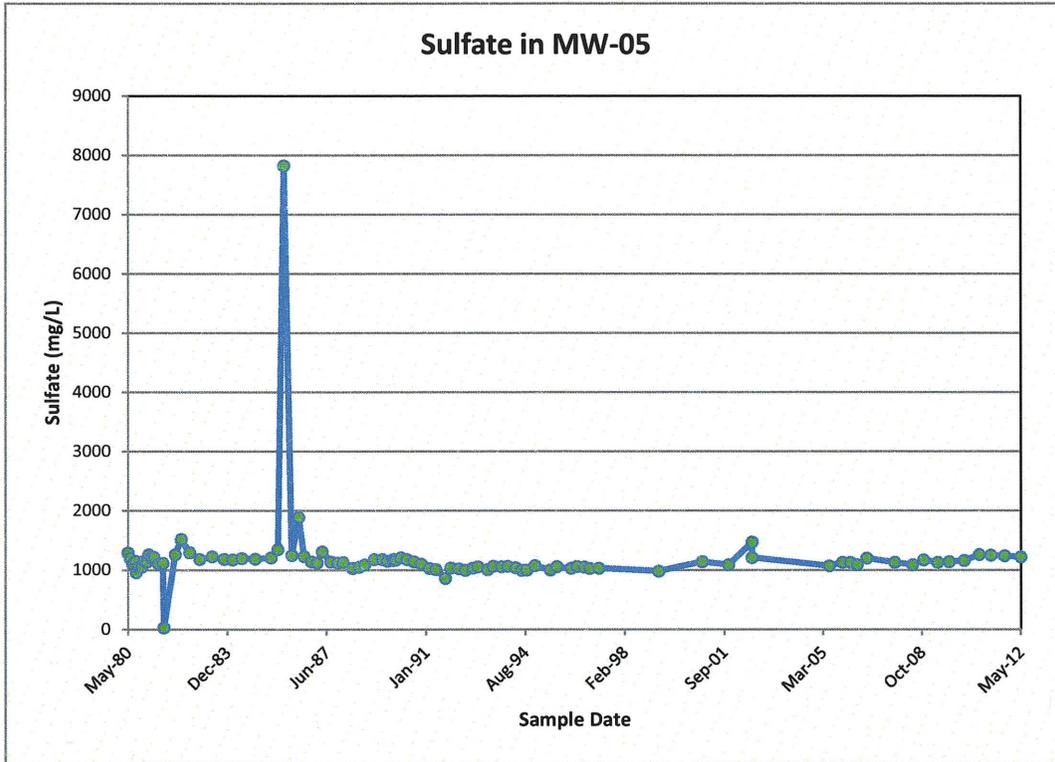
Time concentration plots for MW-03A



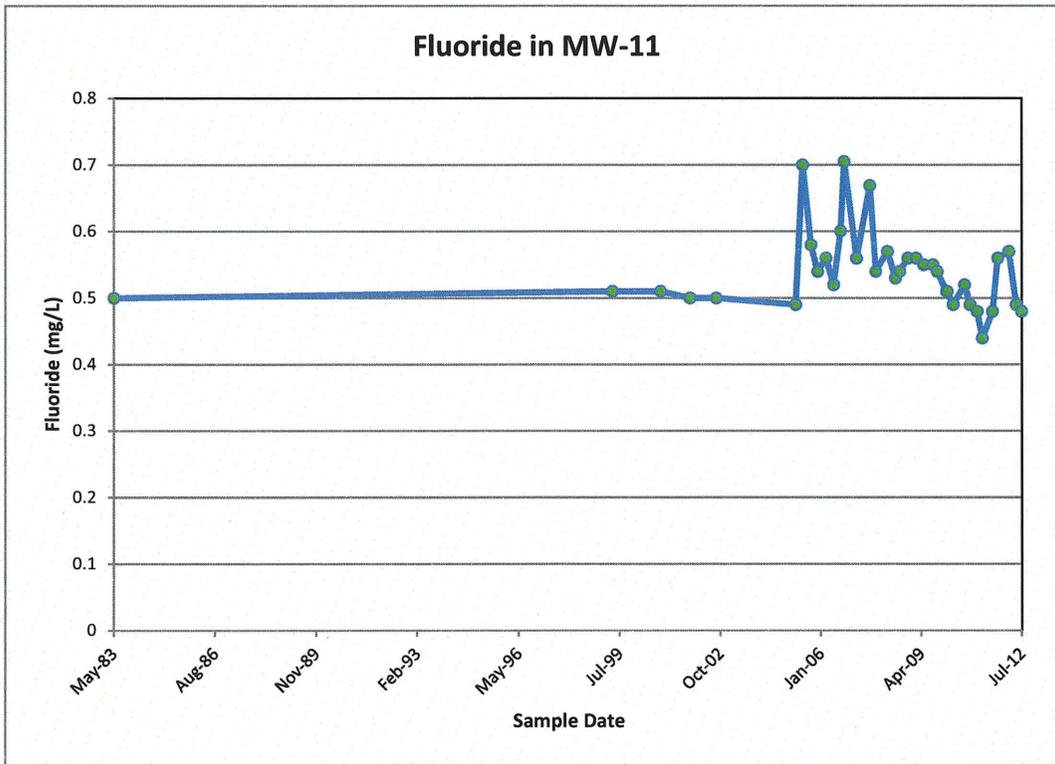
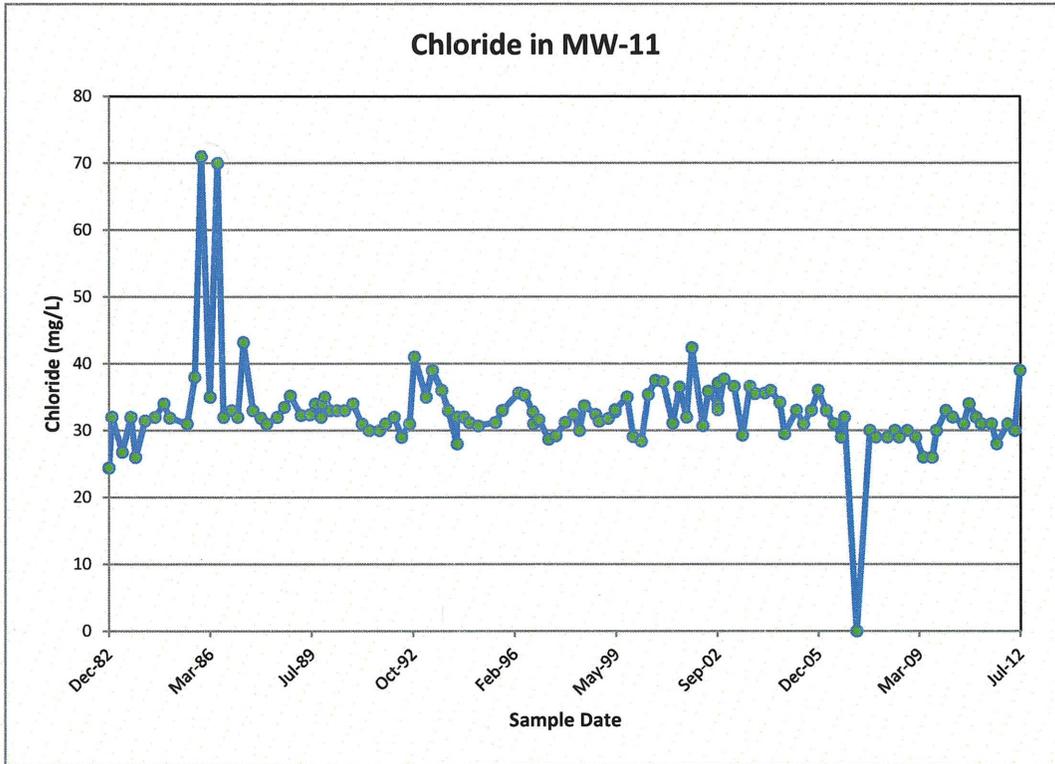
Time concentration plots for MW-05



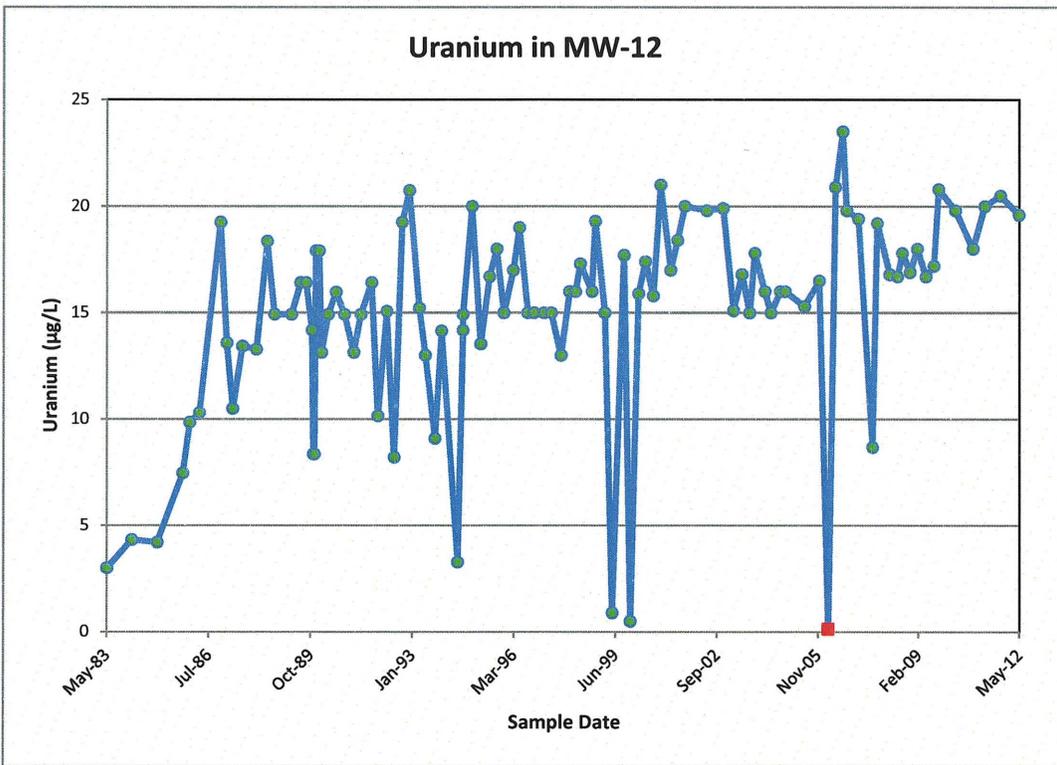
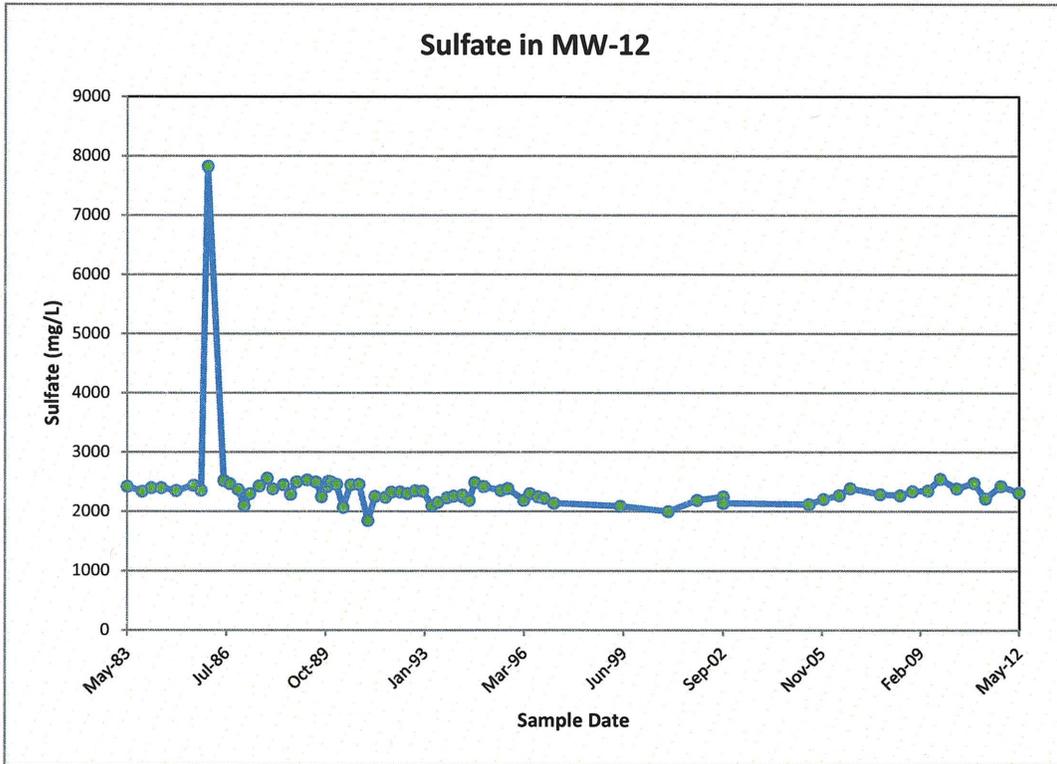
Time concentration plots for MW-05



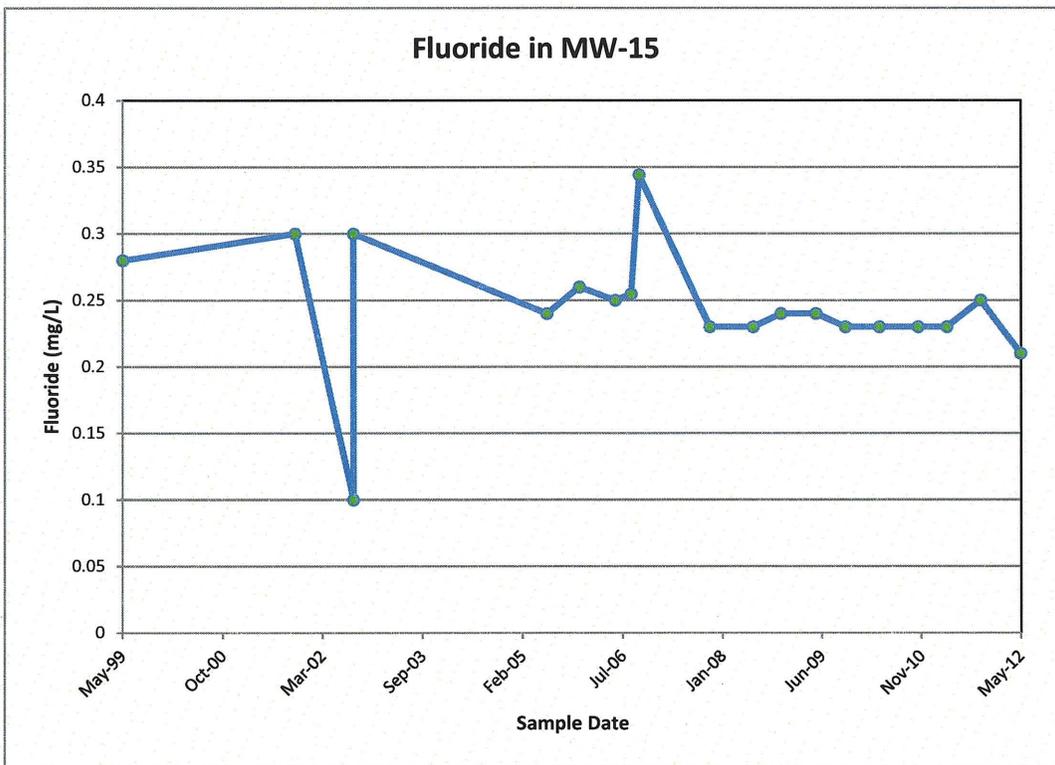
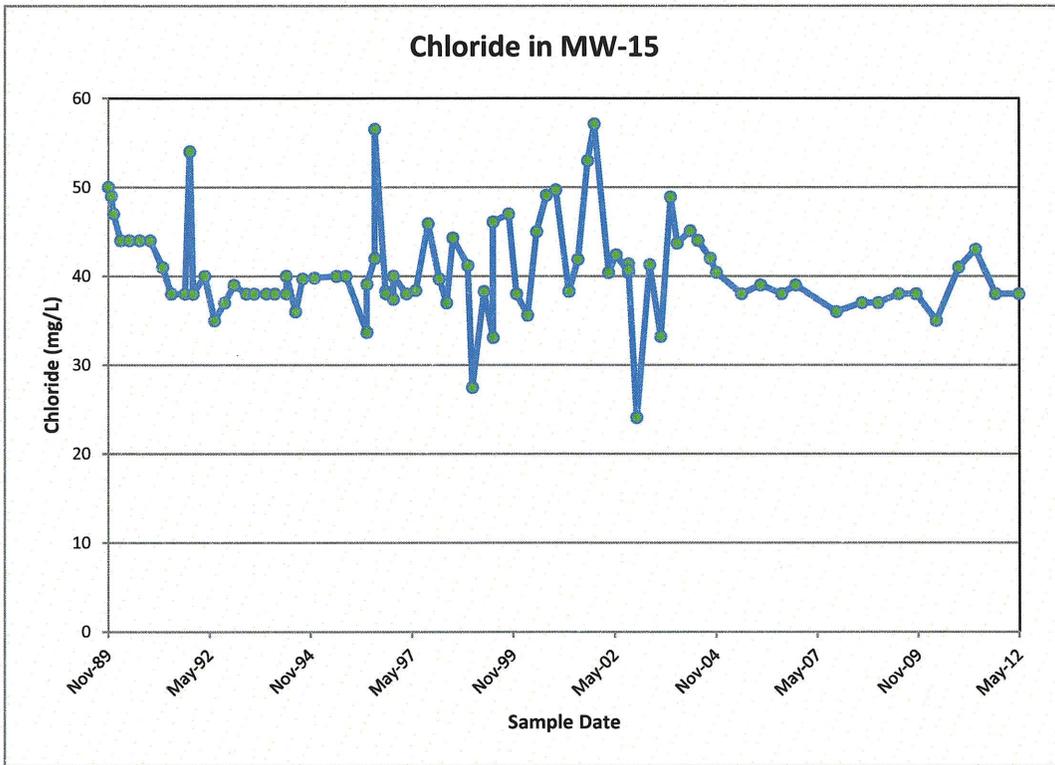
Time concentration plots for MW-11



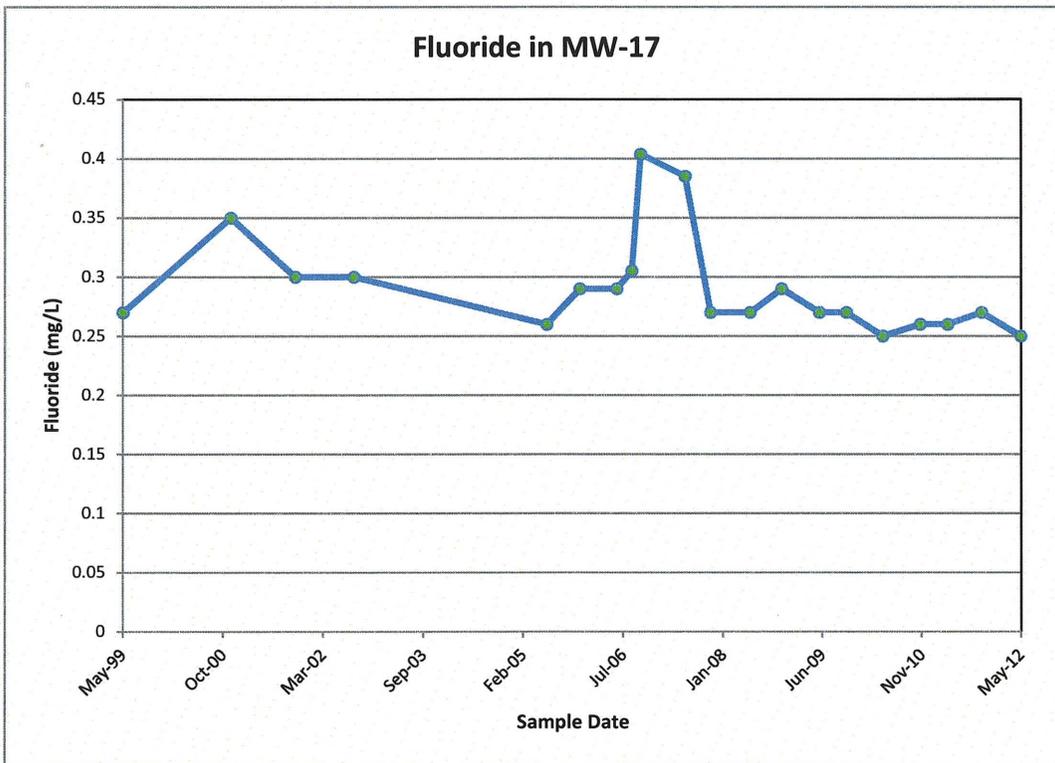
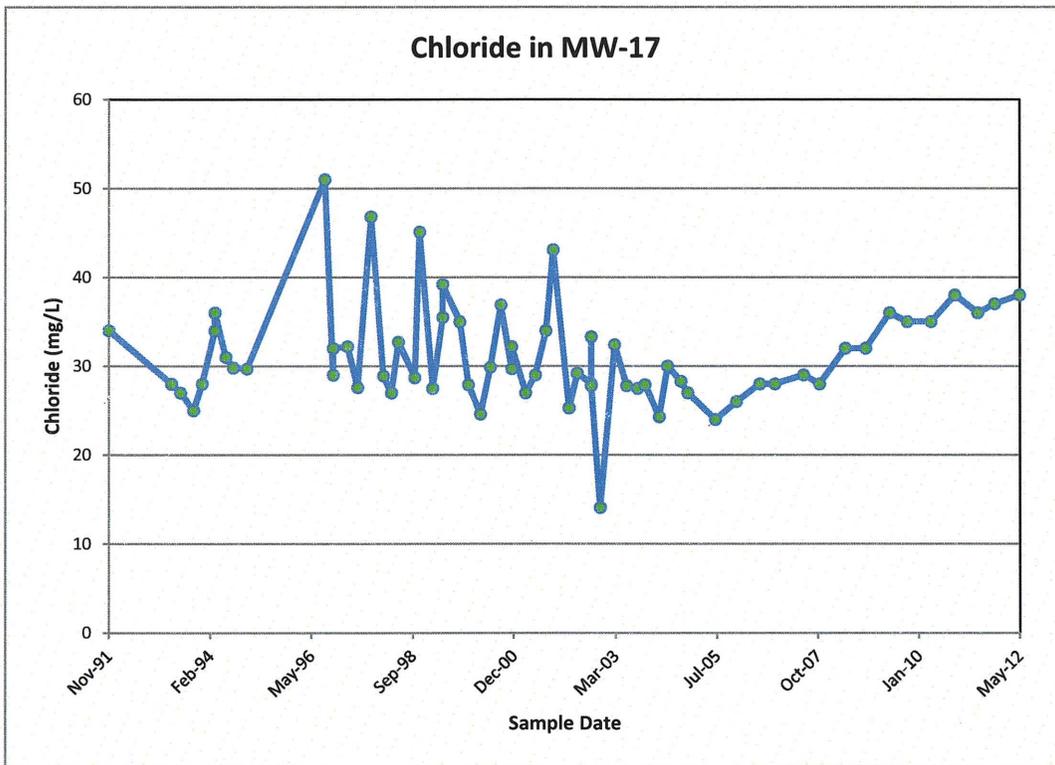
Time concentration plots for MW-12



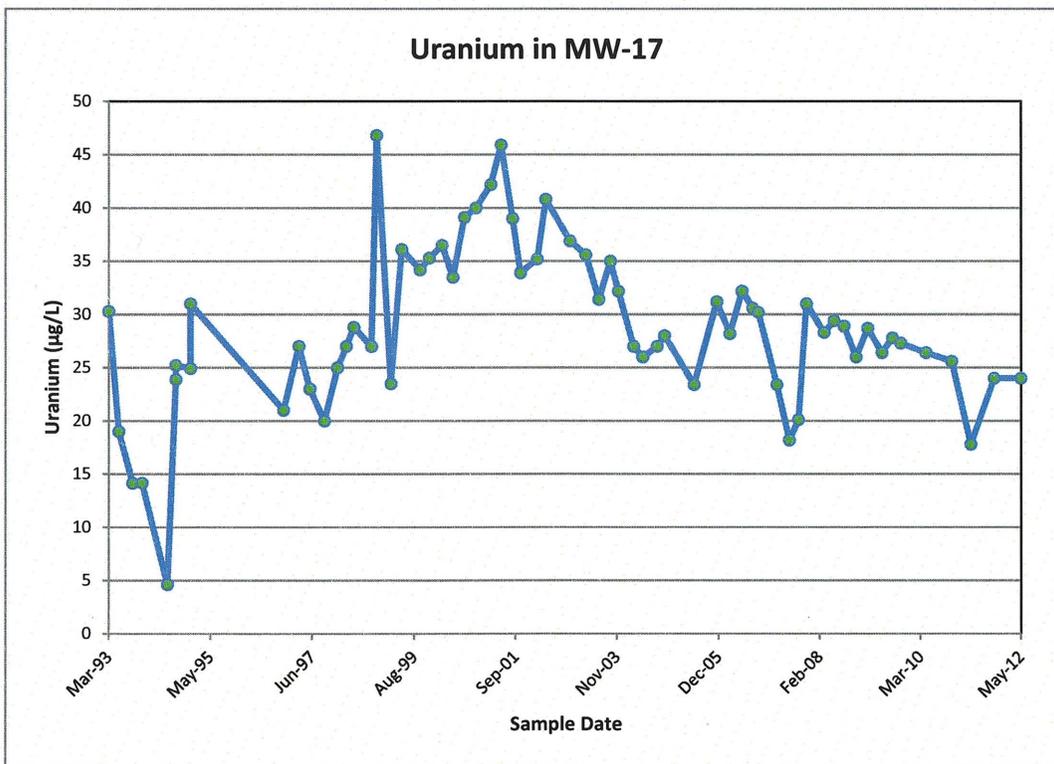
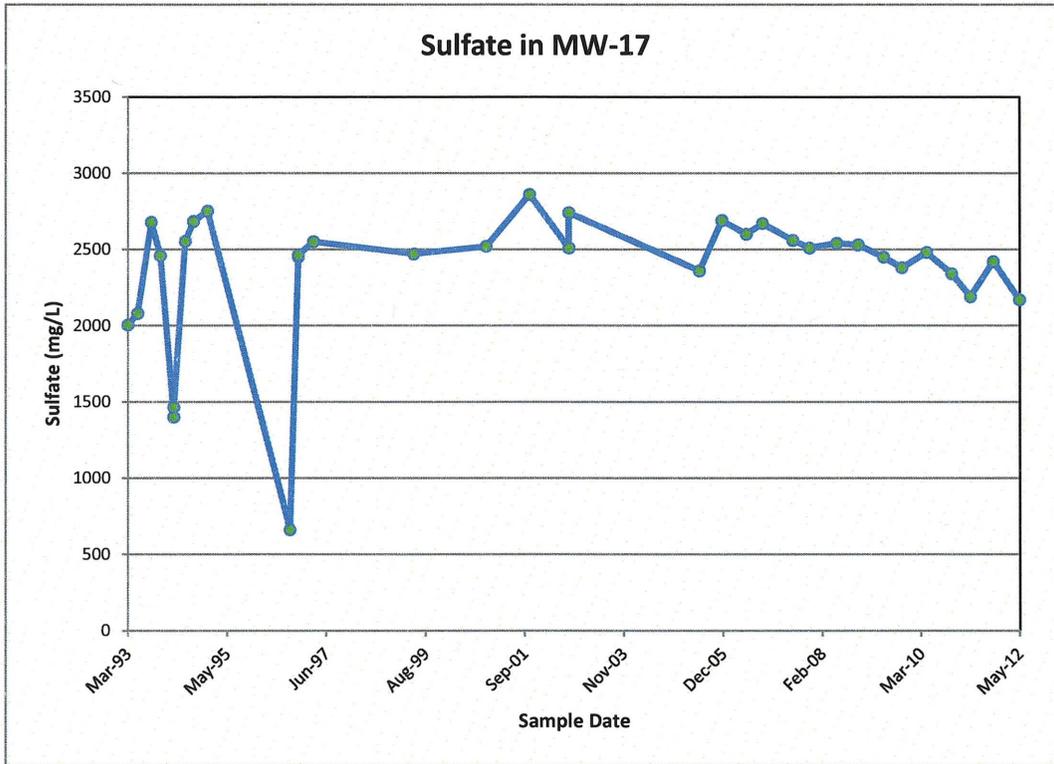
Time concentration plots for MW-15



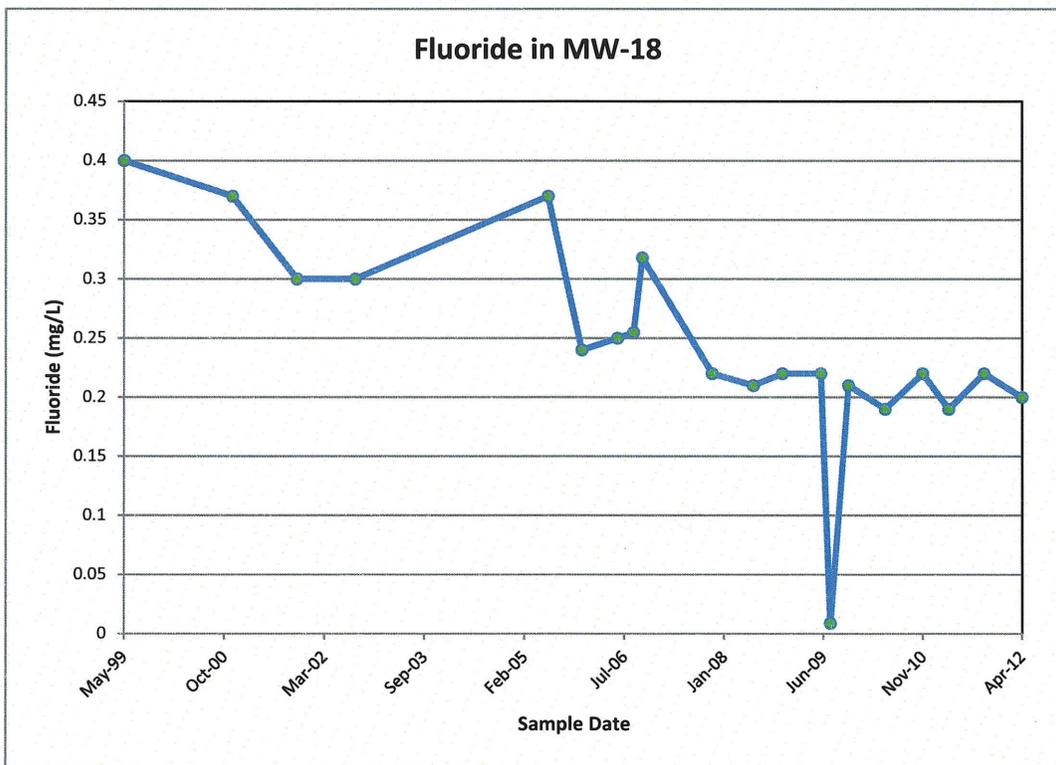
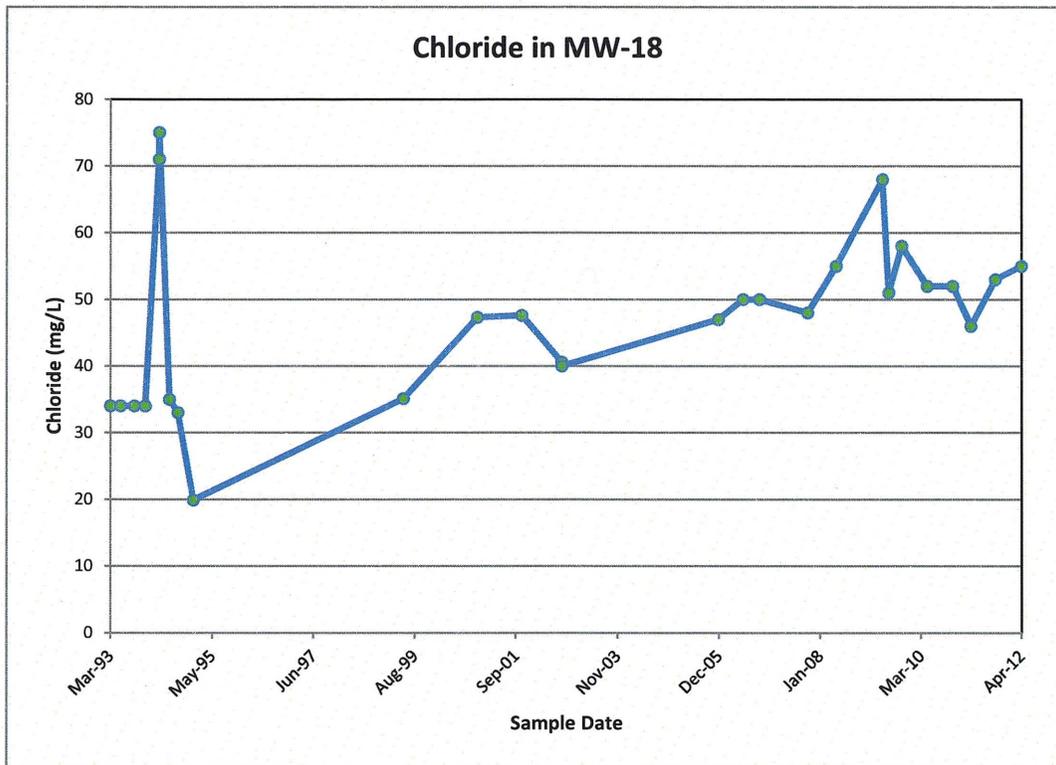
Time concentration plots for MW-17



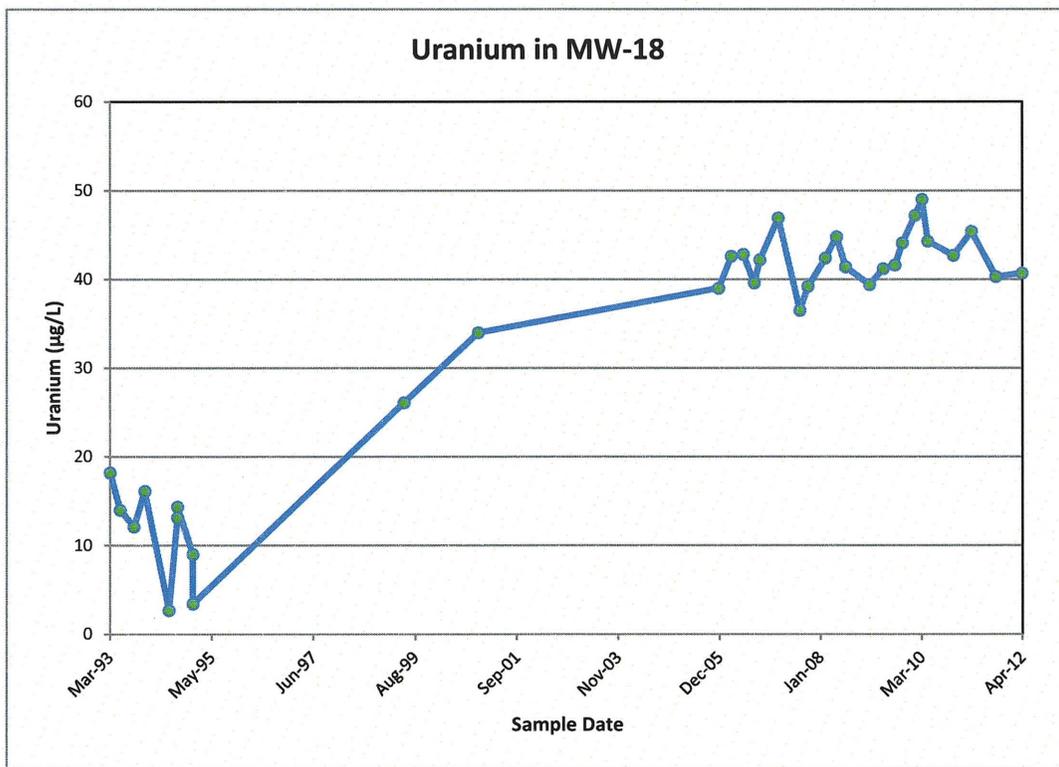
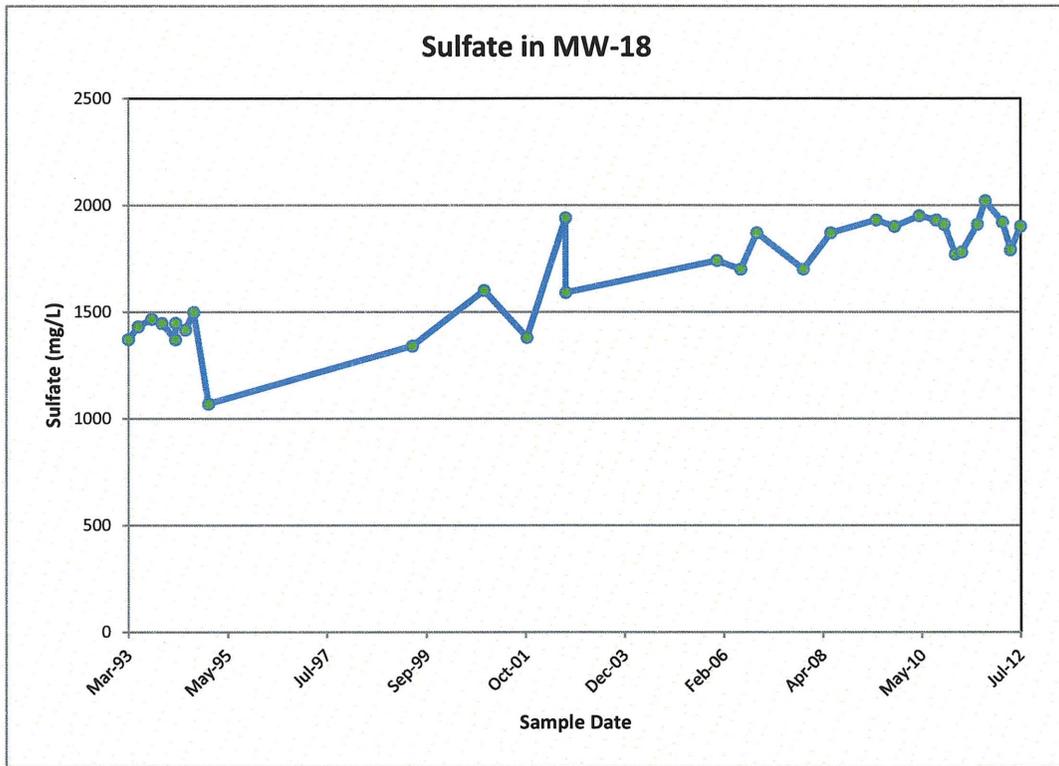
Time concentration plots for MW-17



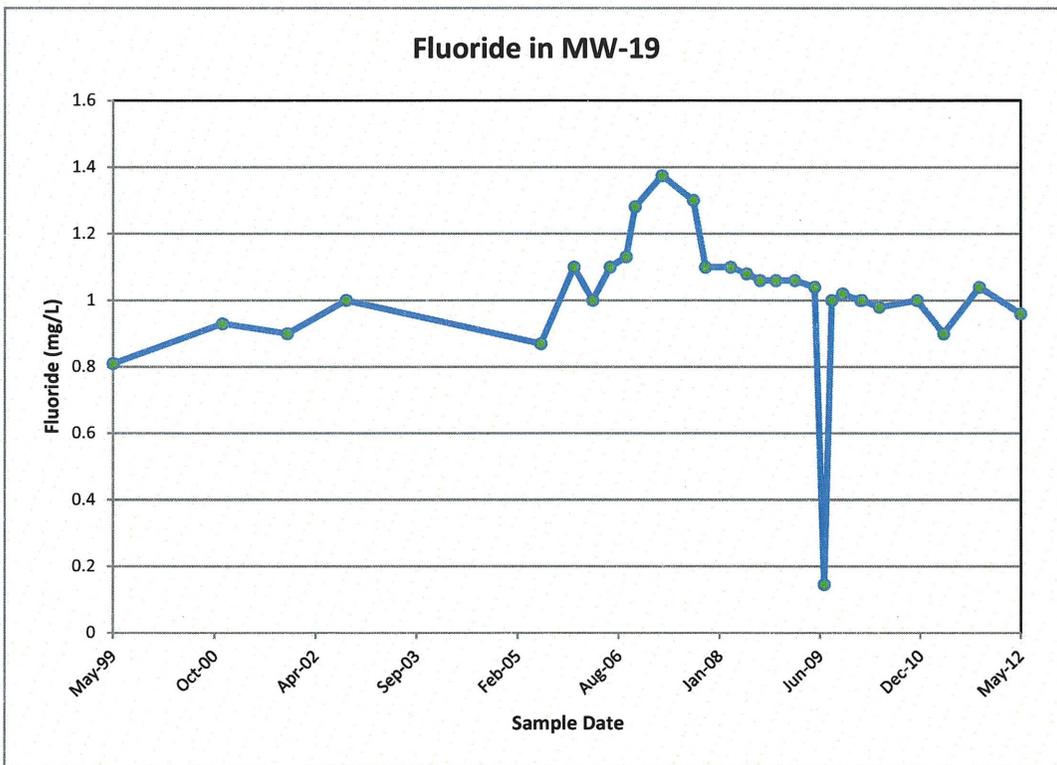
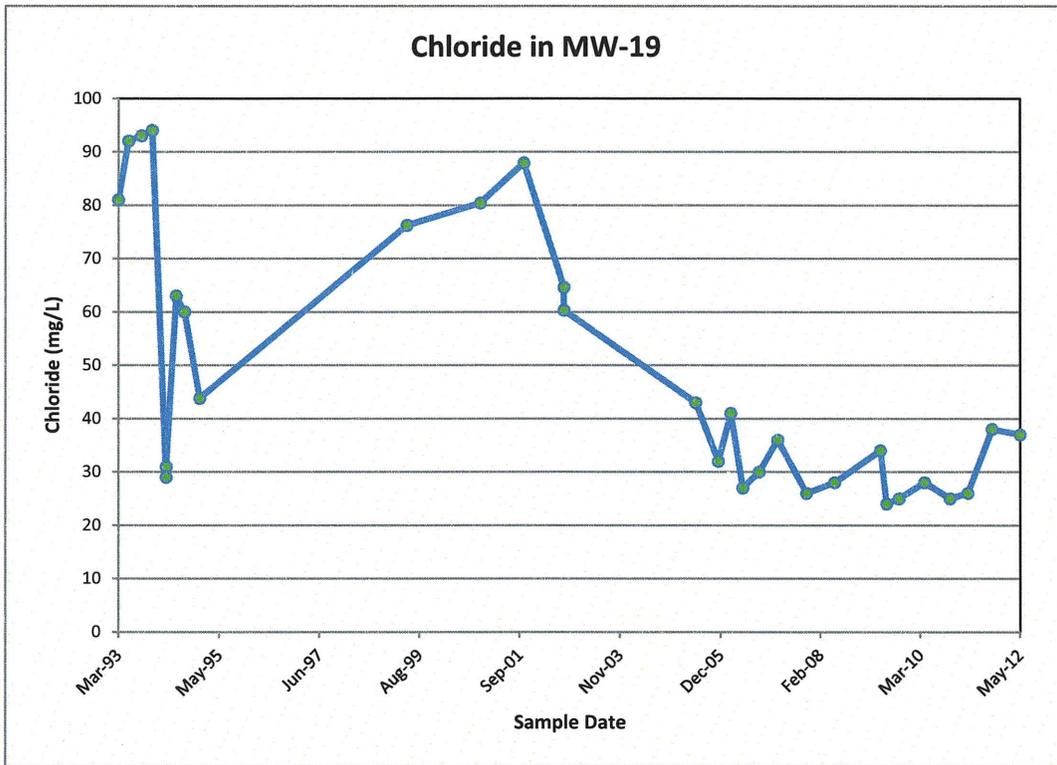
Time concentration plots for MW-18



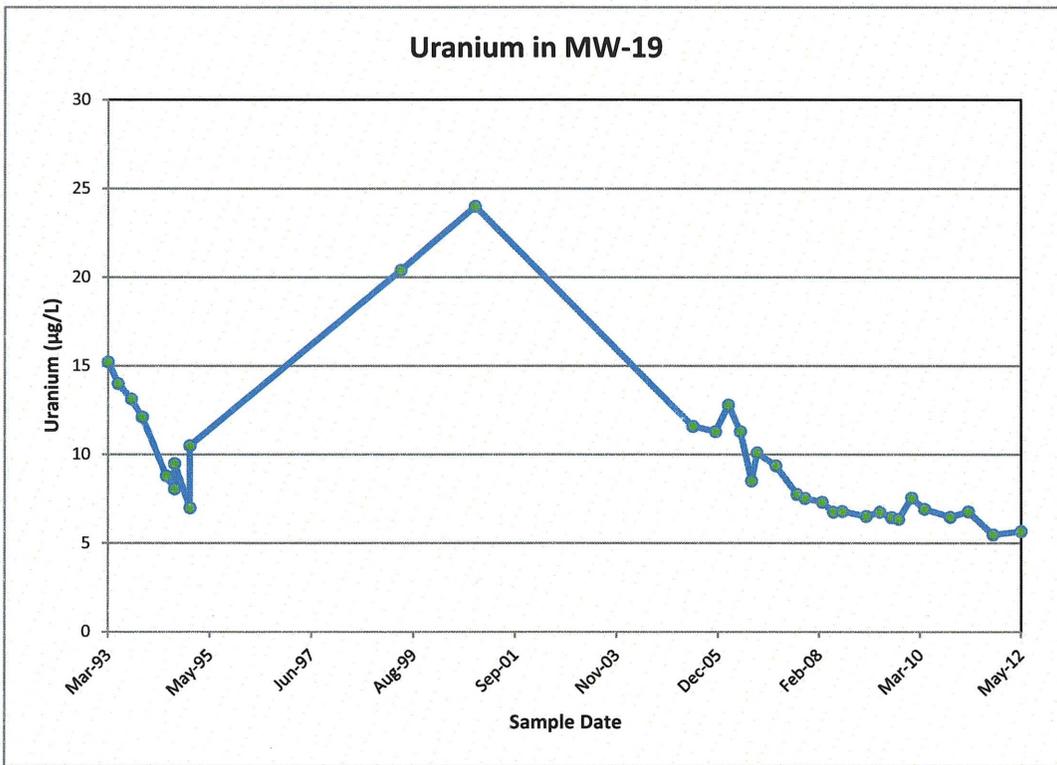
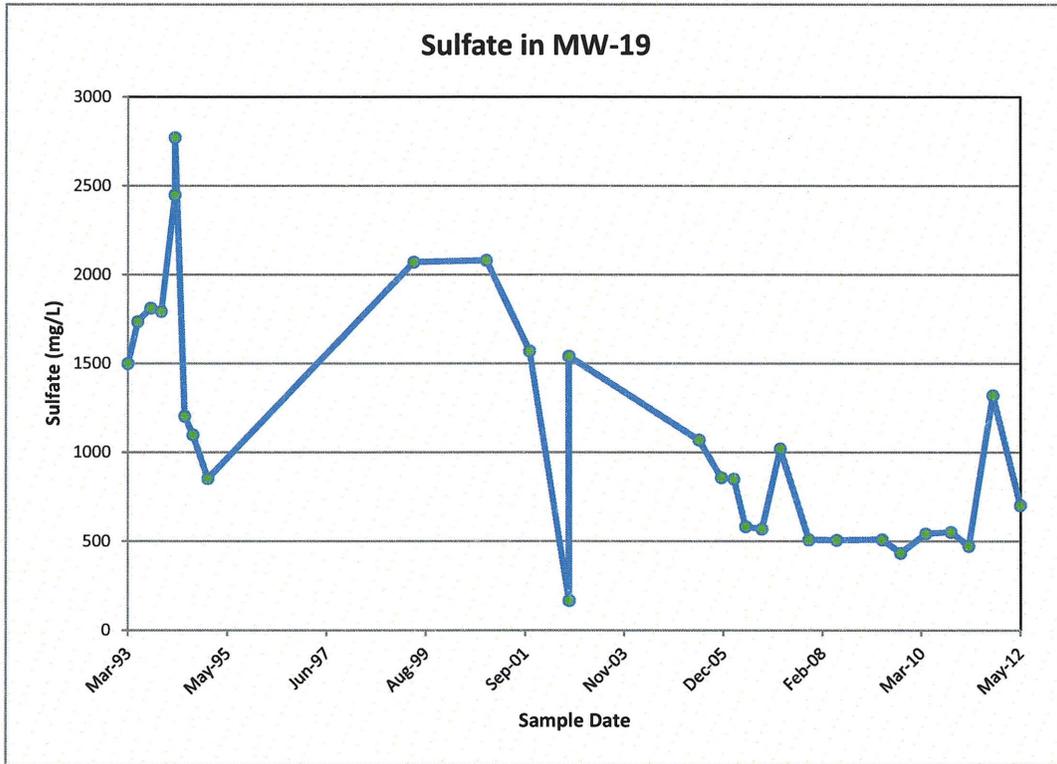
Time concentration plots for MW-18



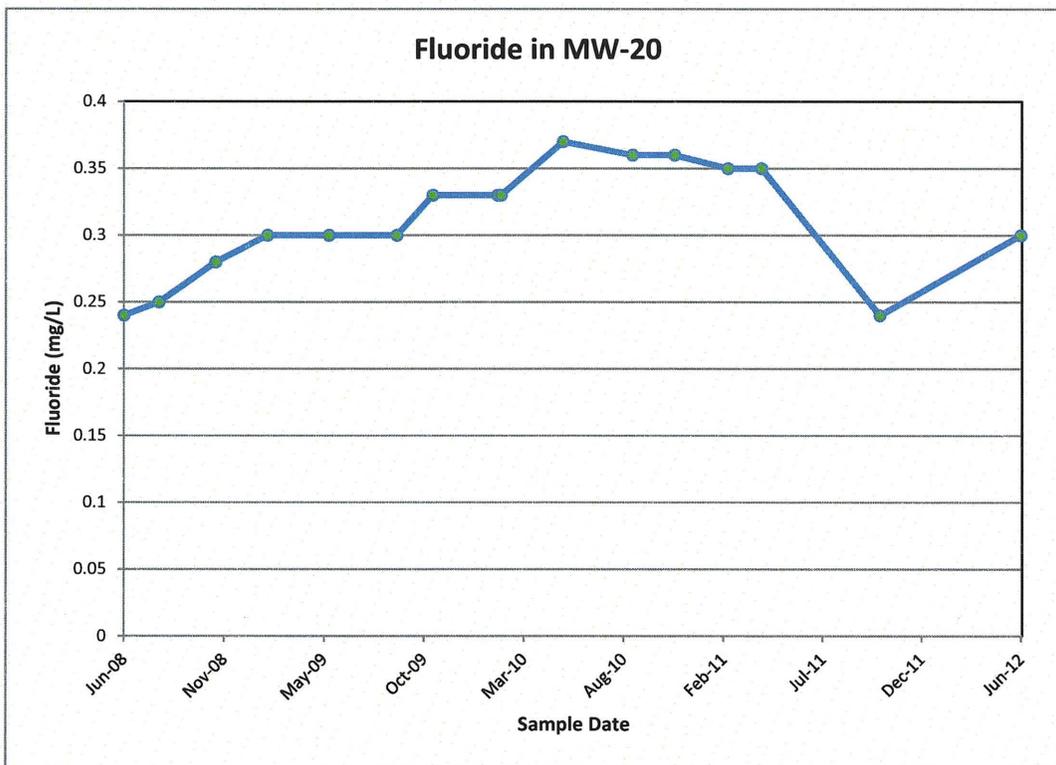
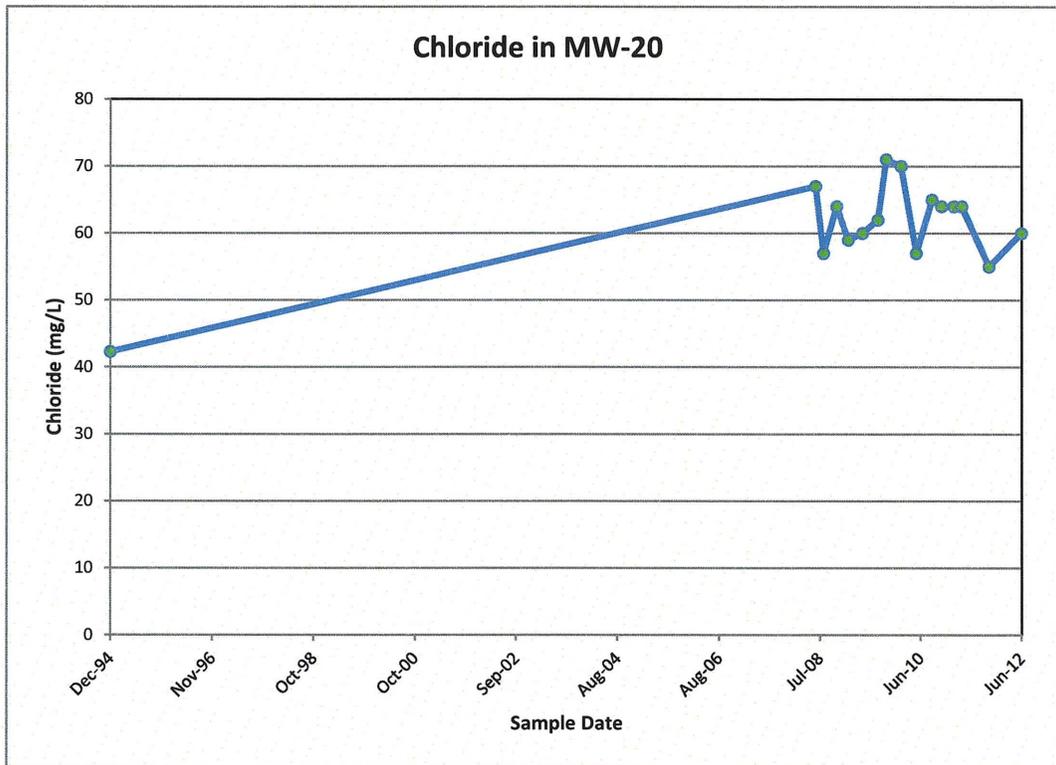
Time concentration plots for MW-19



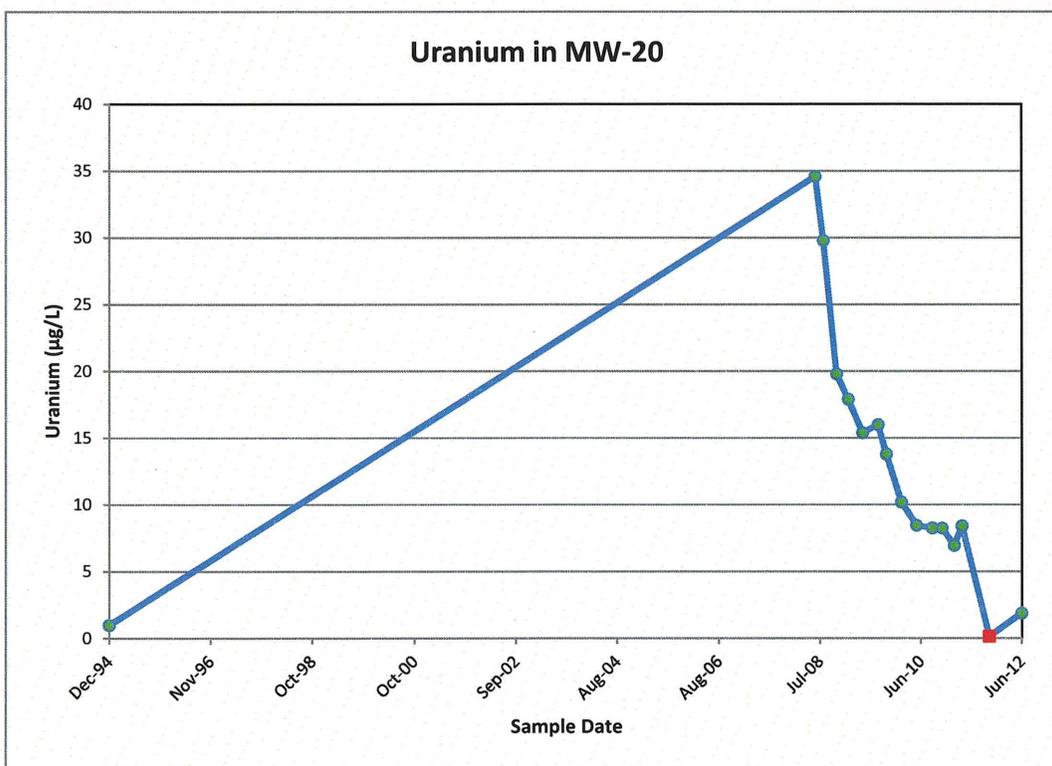
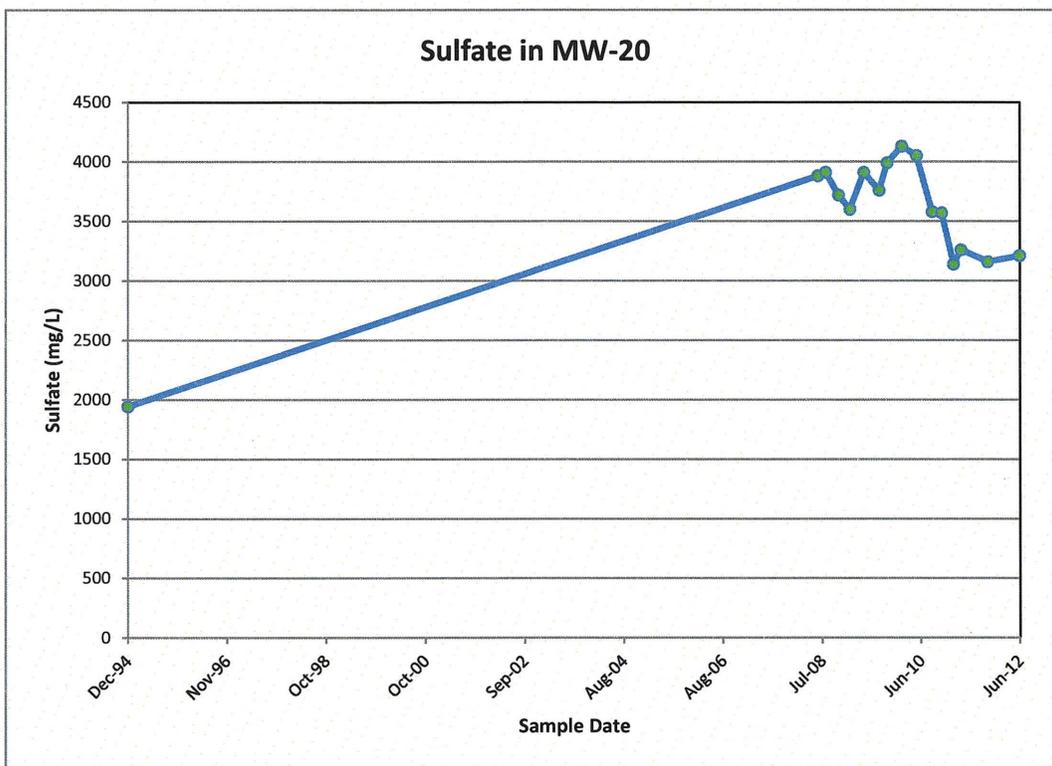
Time concentration plots for MW-19



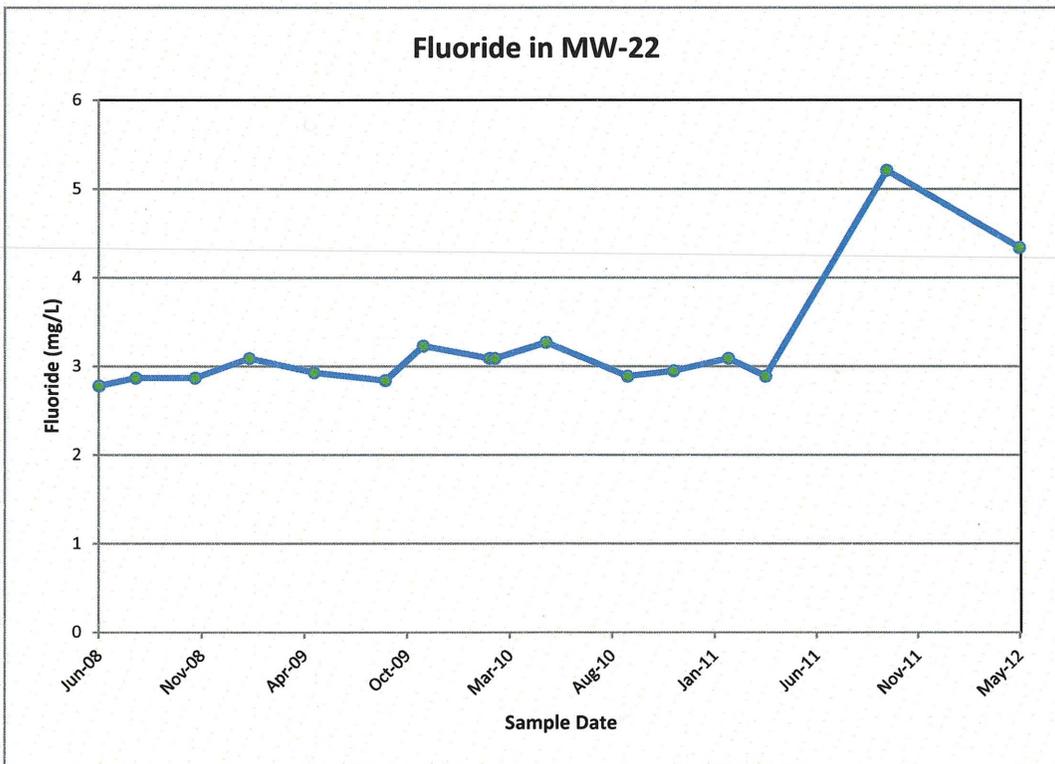
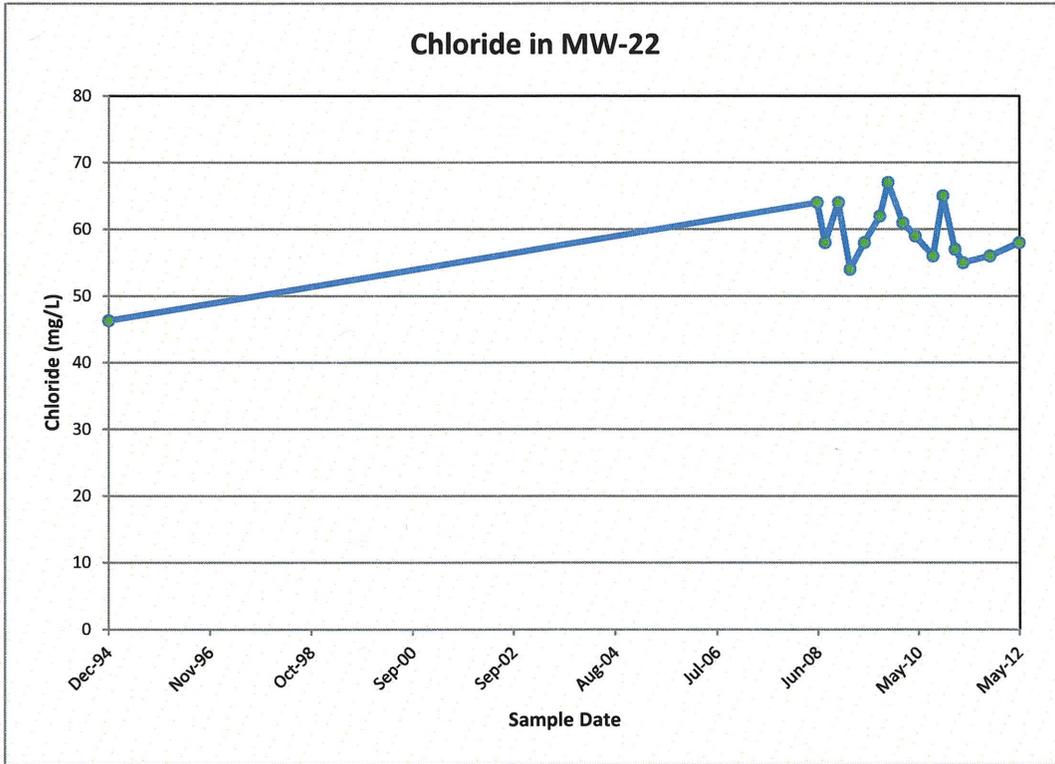
Time concentration plots for MW-20



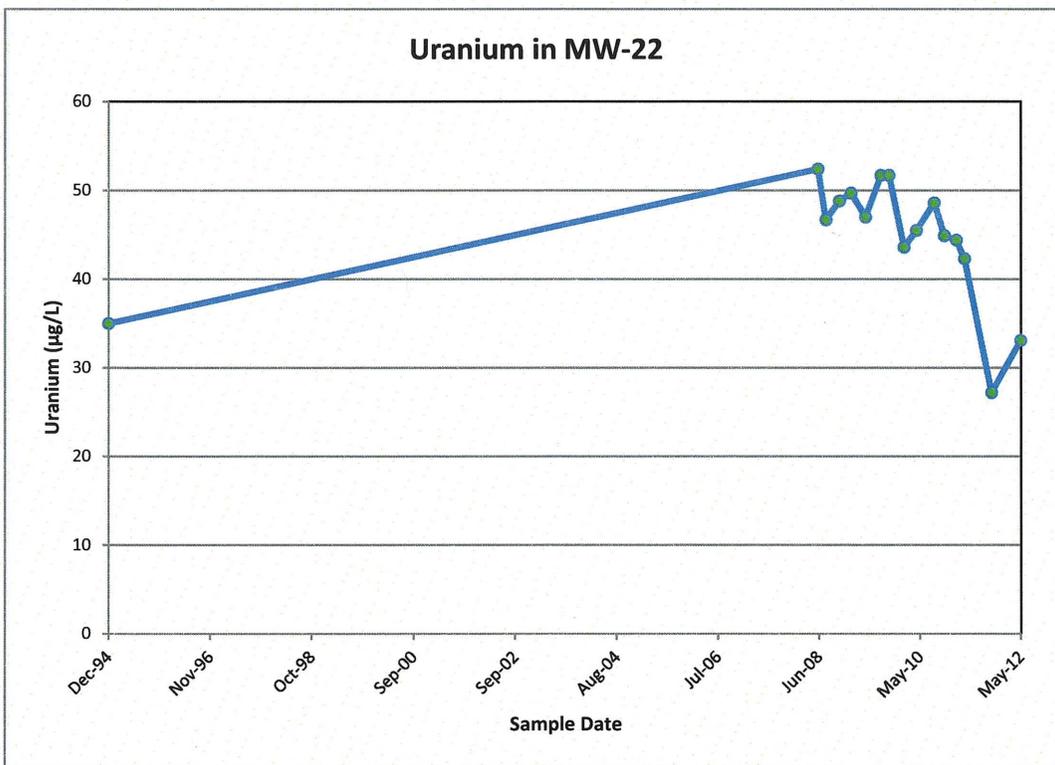
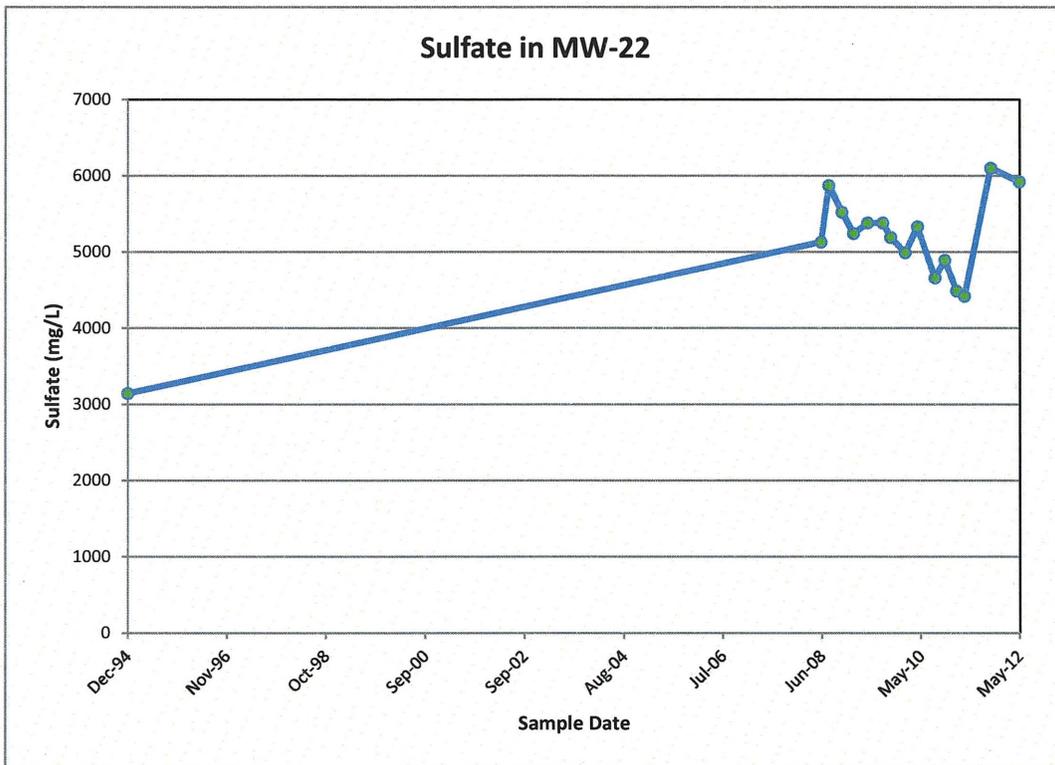
Time concentration plots for MW-20



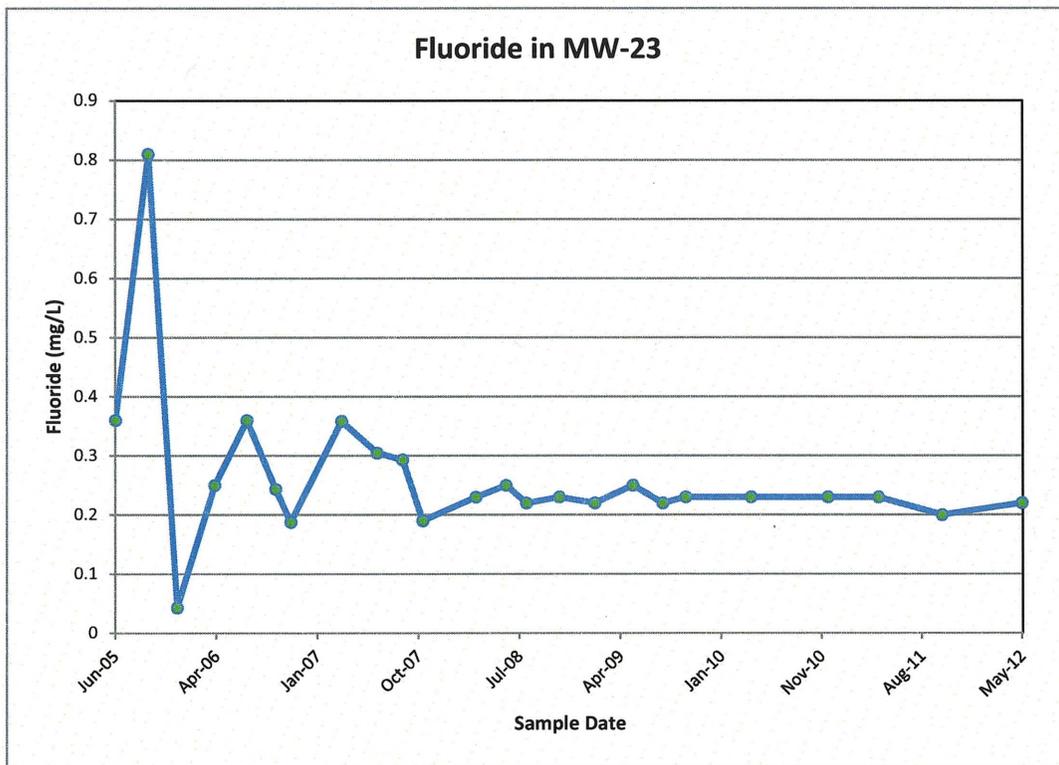
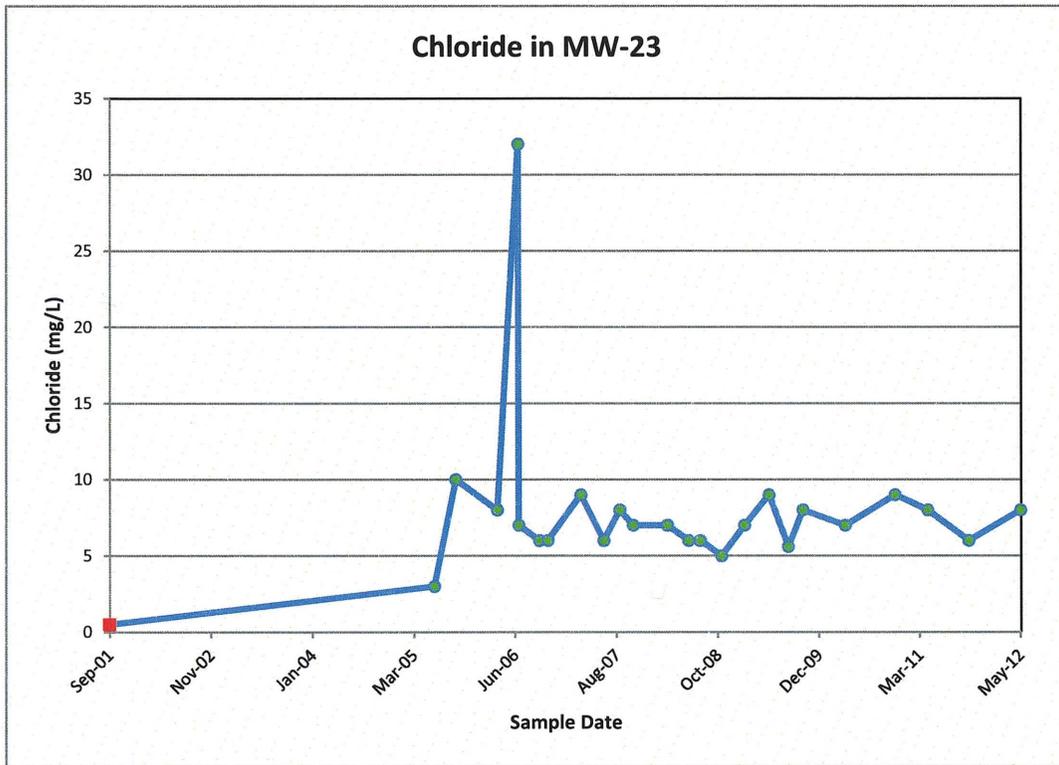
Time concentration plots for MW-22



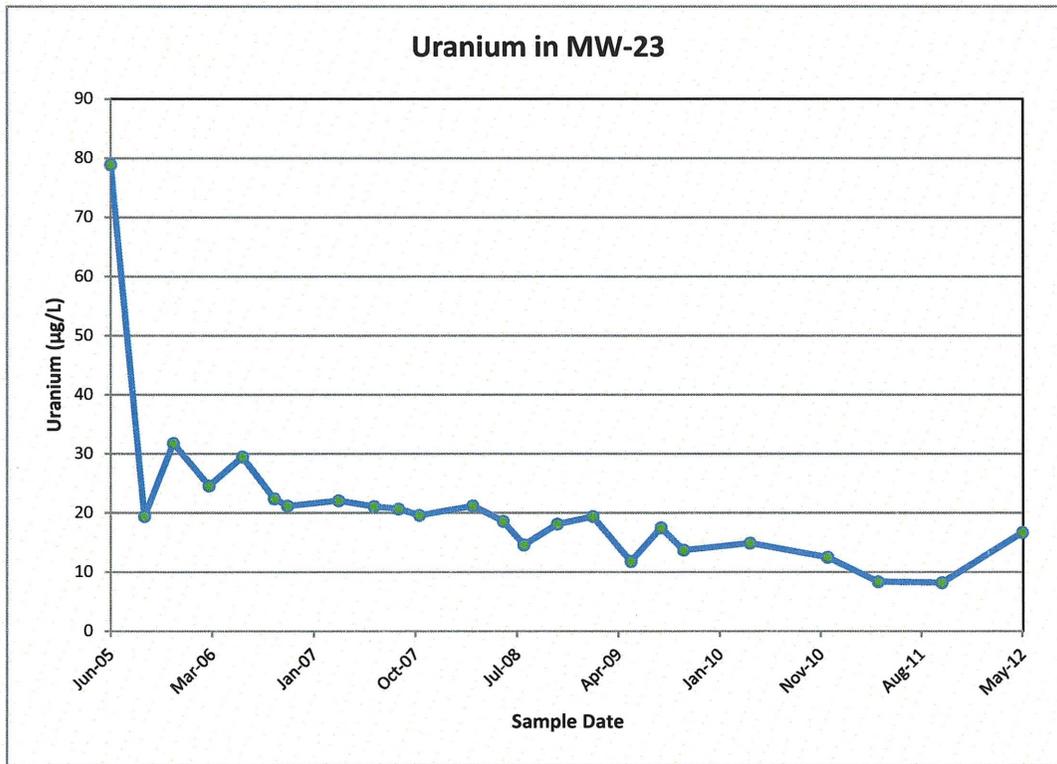
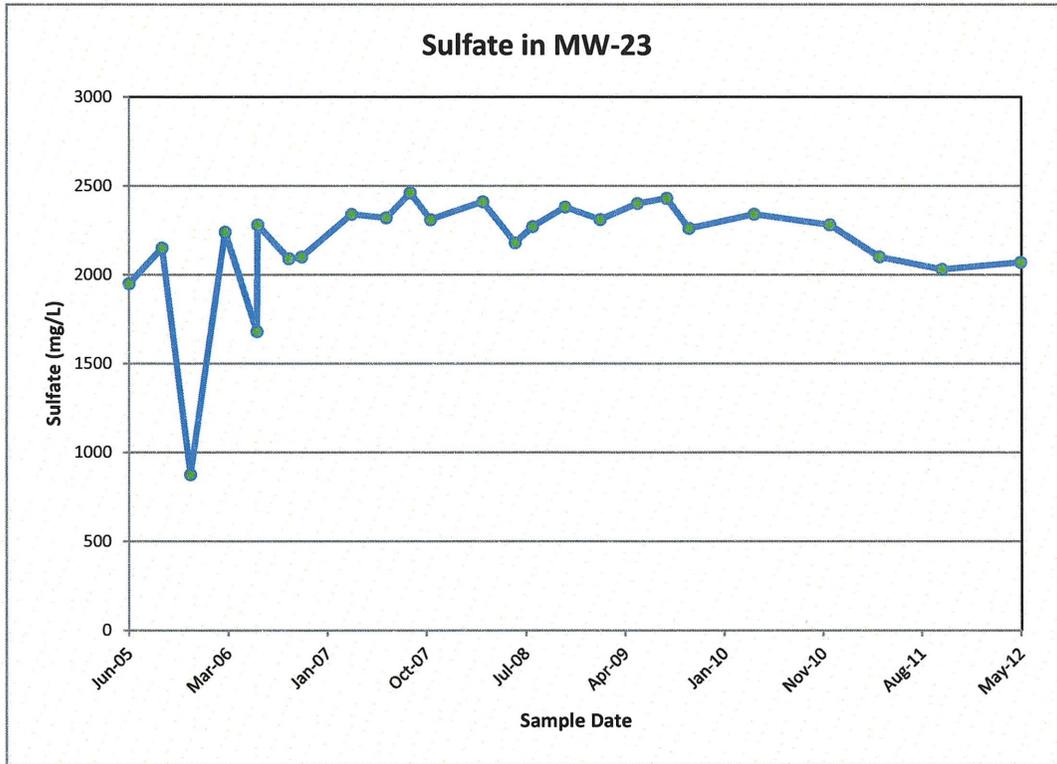
Time concentration plots for MW-22



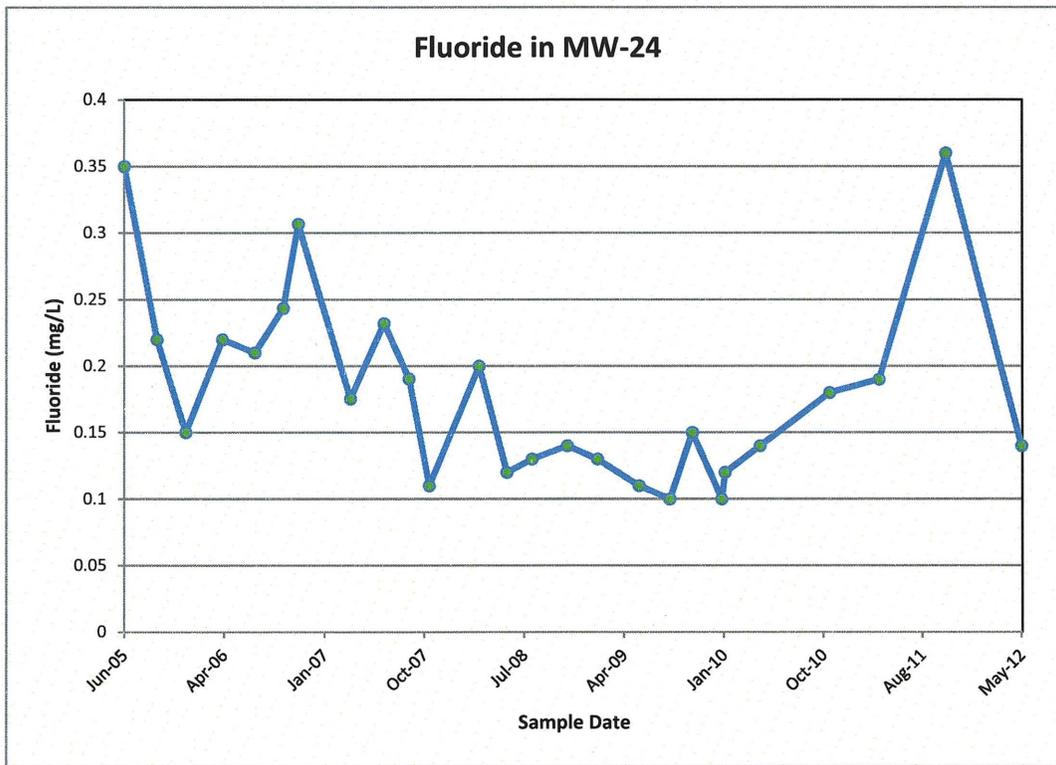
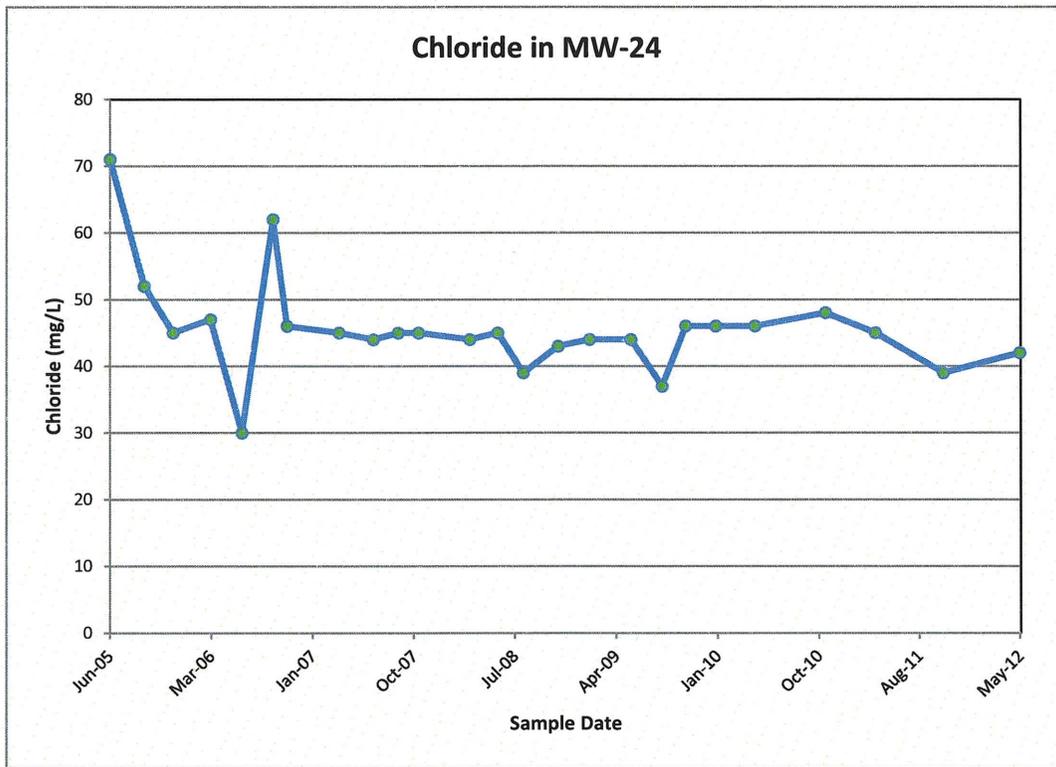
Time concentration plots for MW-23



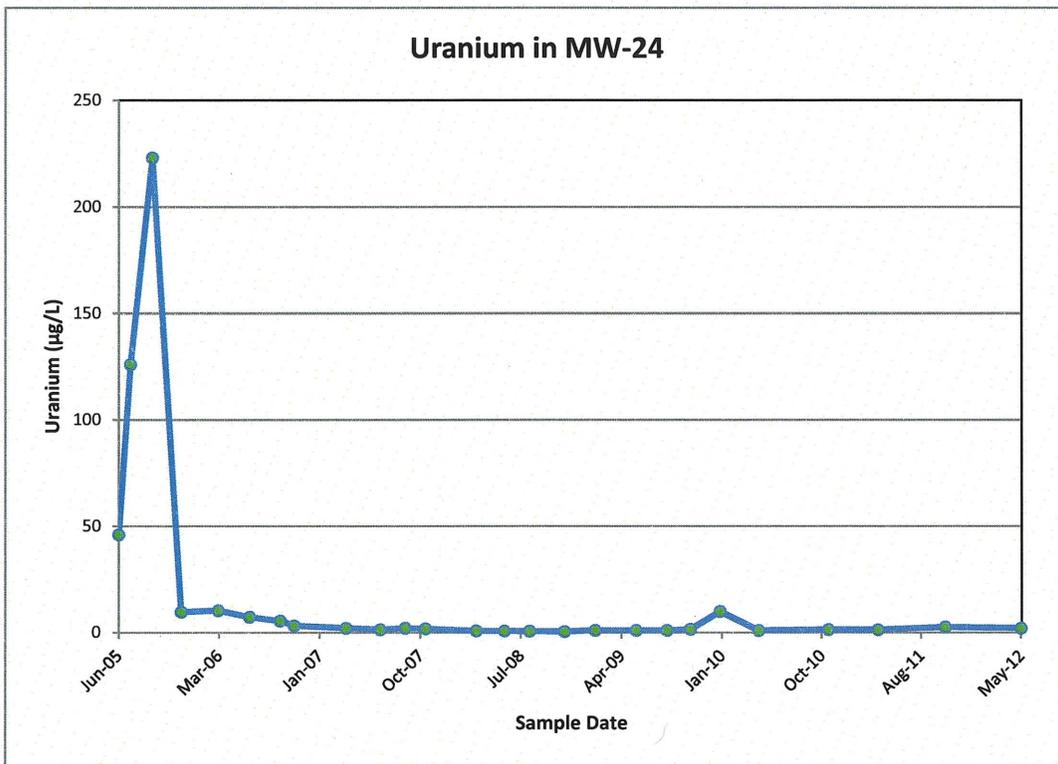
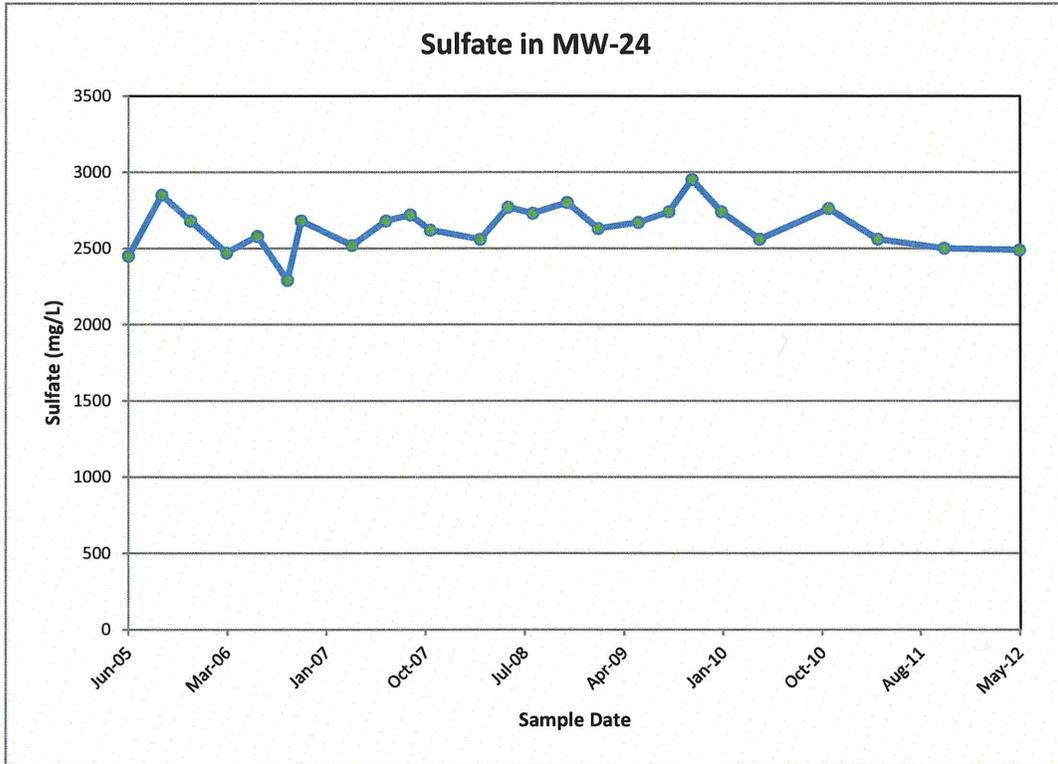
Time concentration plots for MW-23



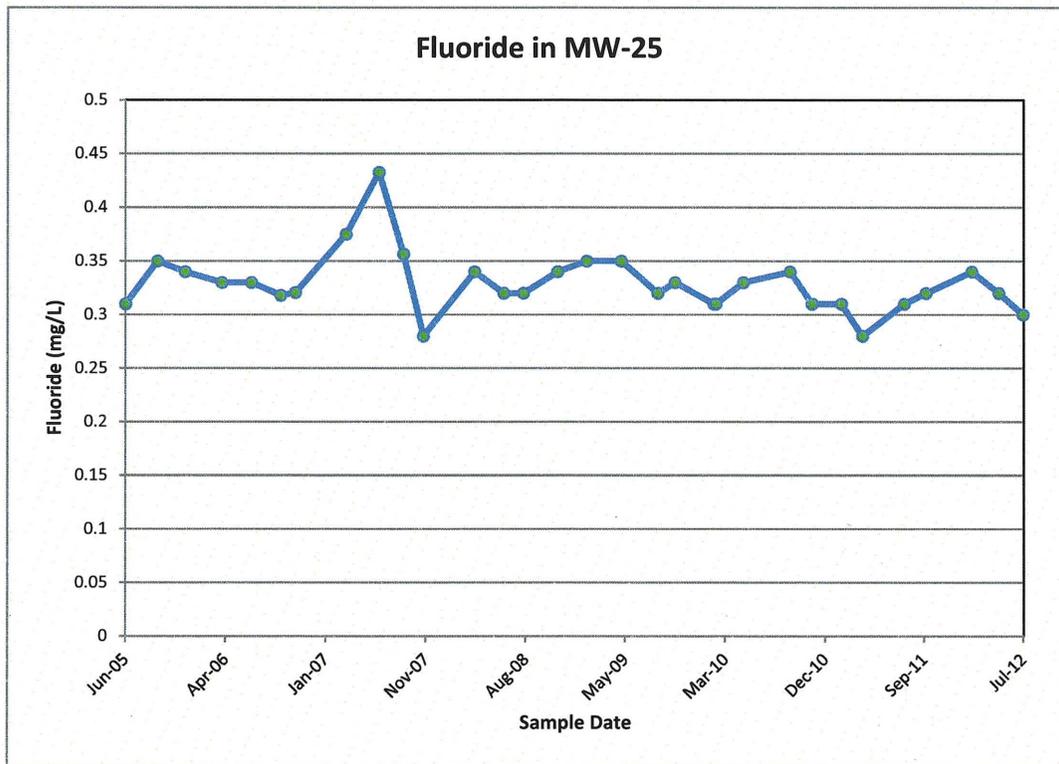
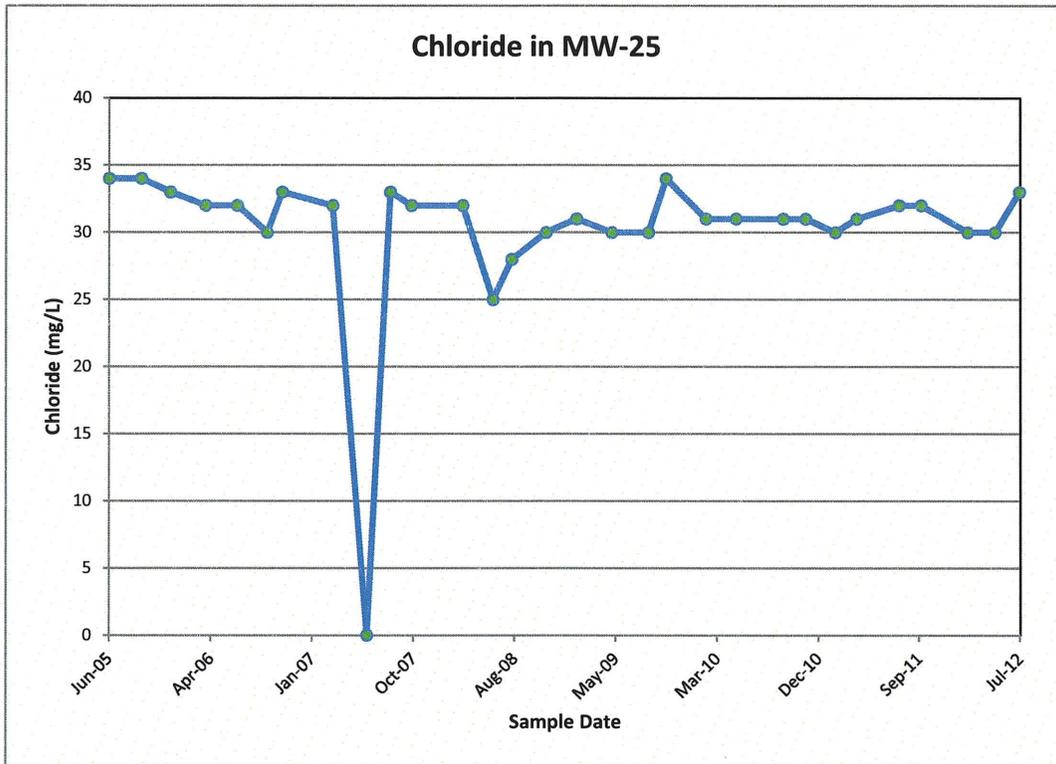
Time concentration plots for MW-24



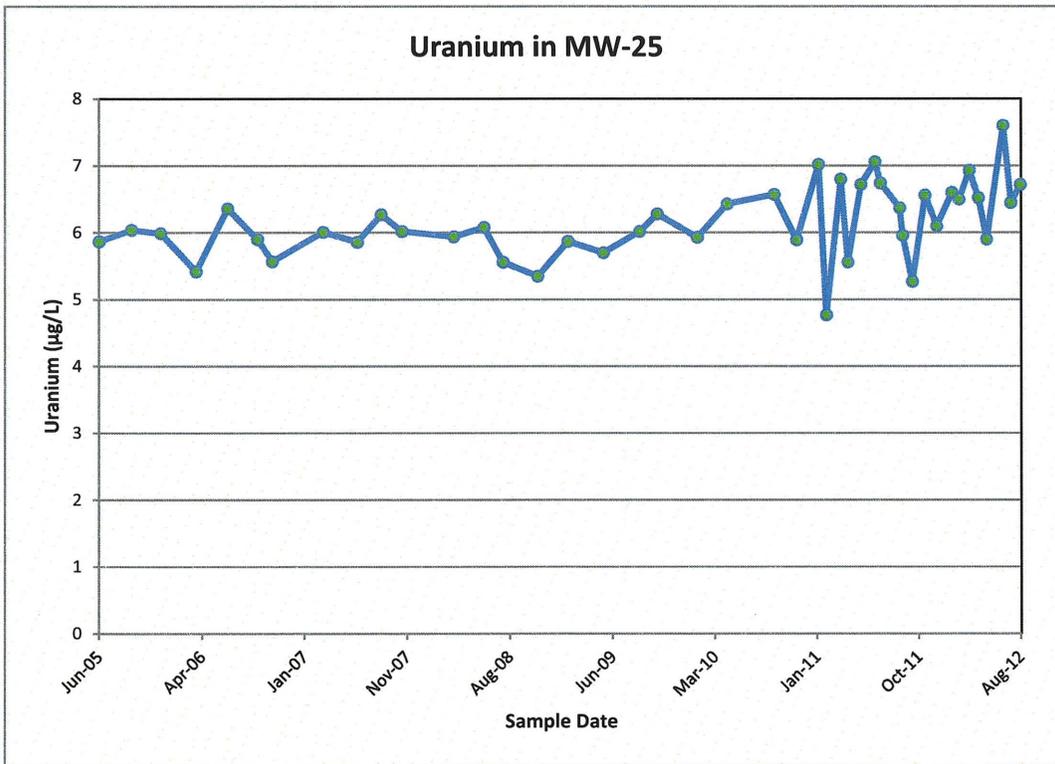
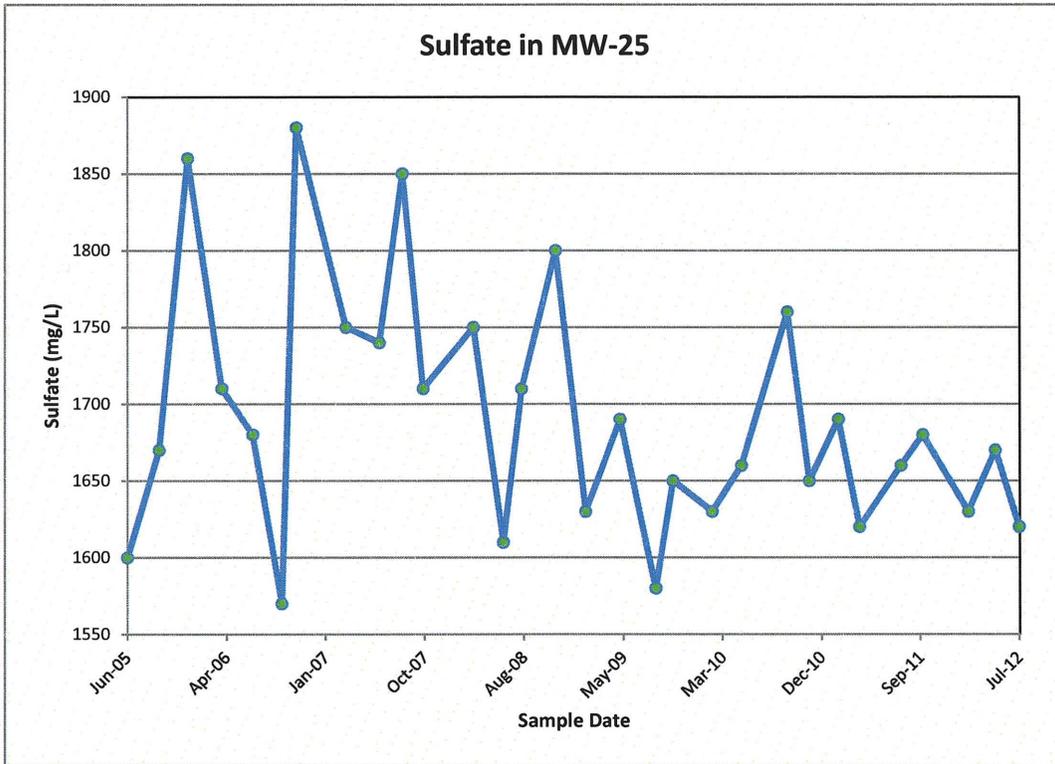
Time concentration plots for MW-24



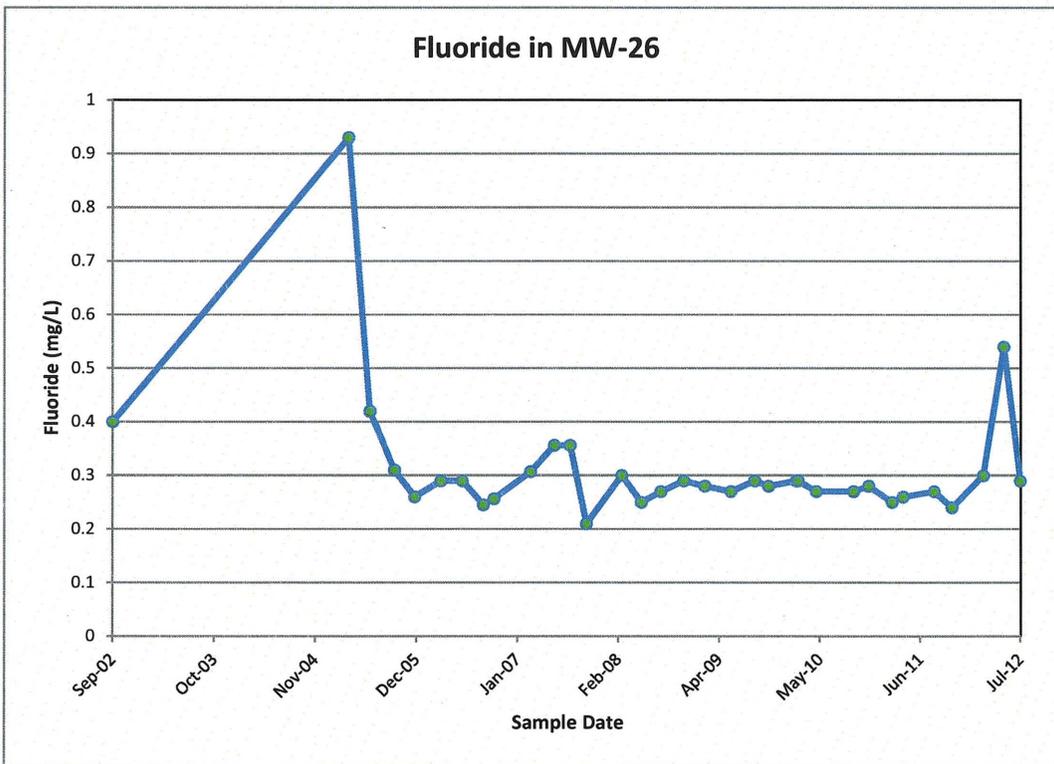
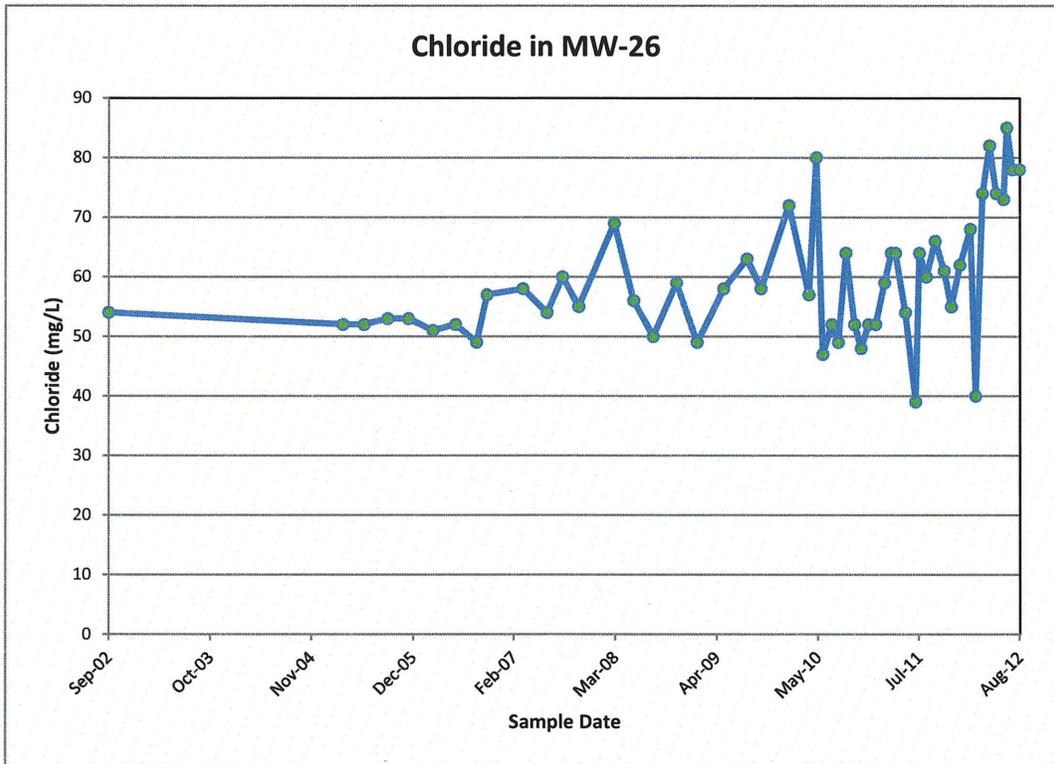
Time concentration plots for MW-25



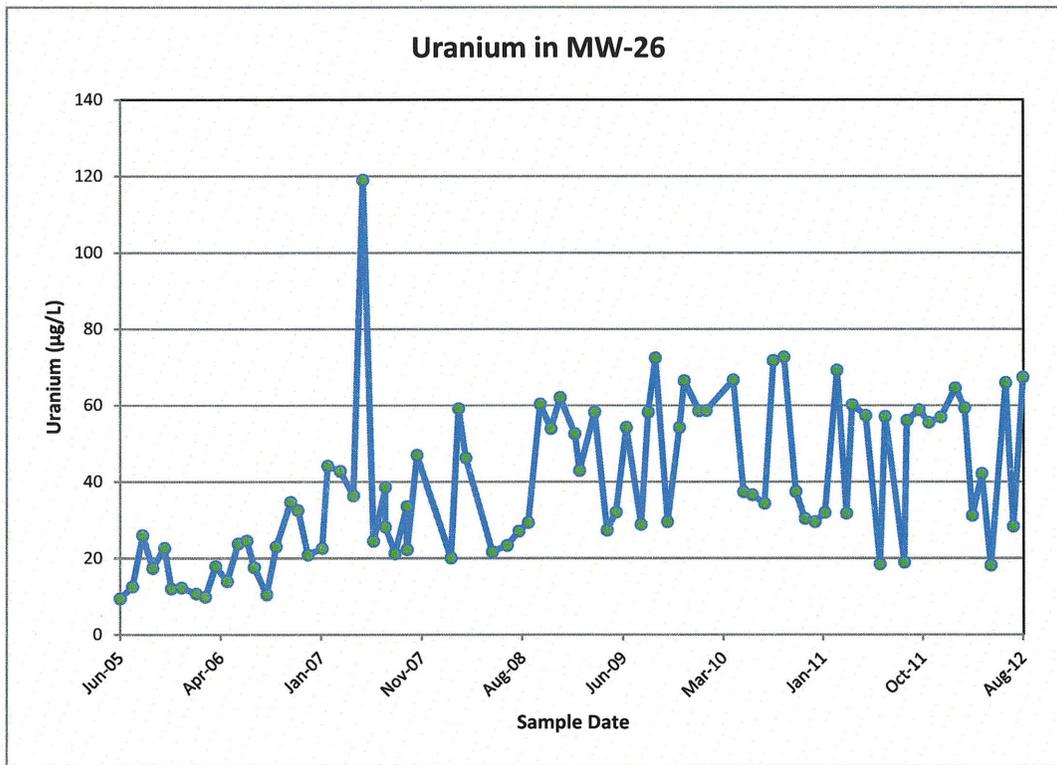
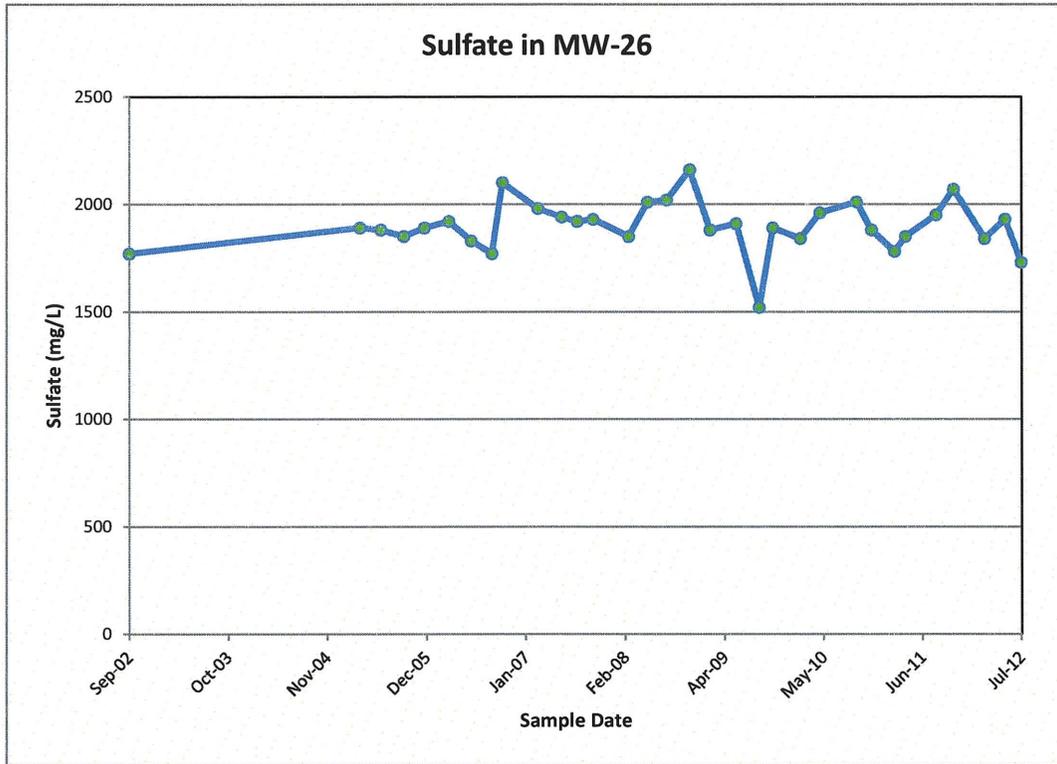
Time concentration plots for MW-25



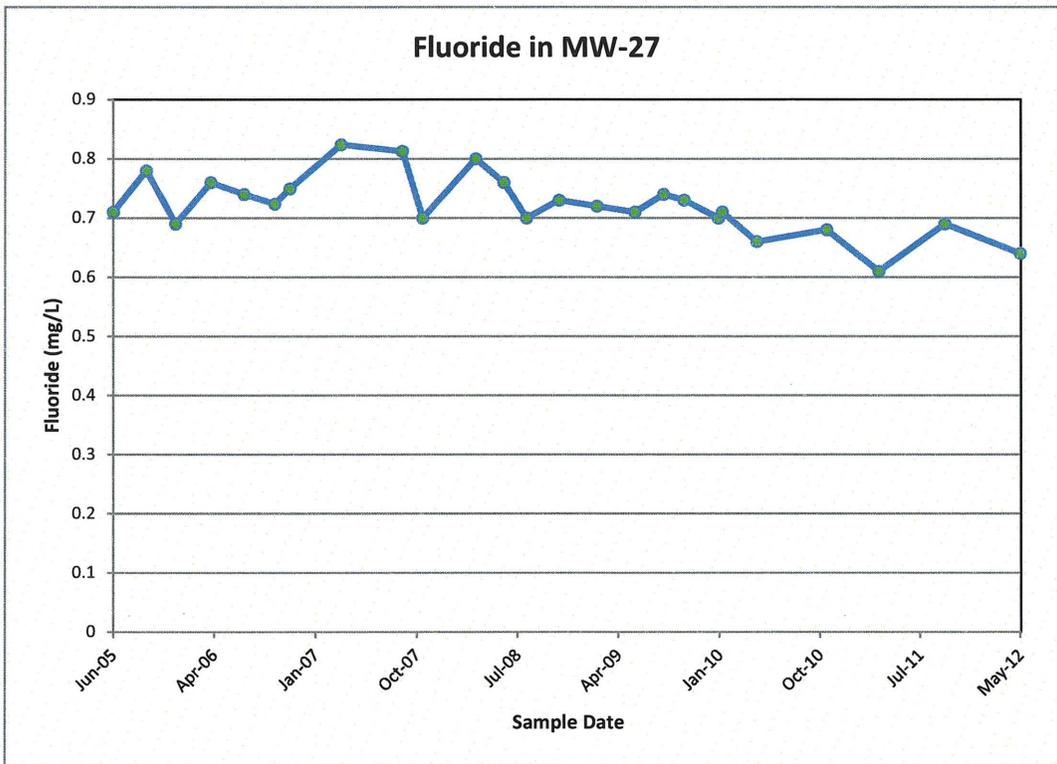
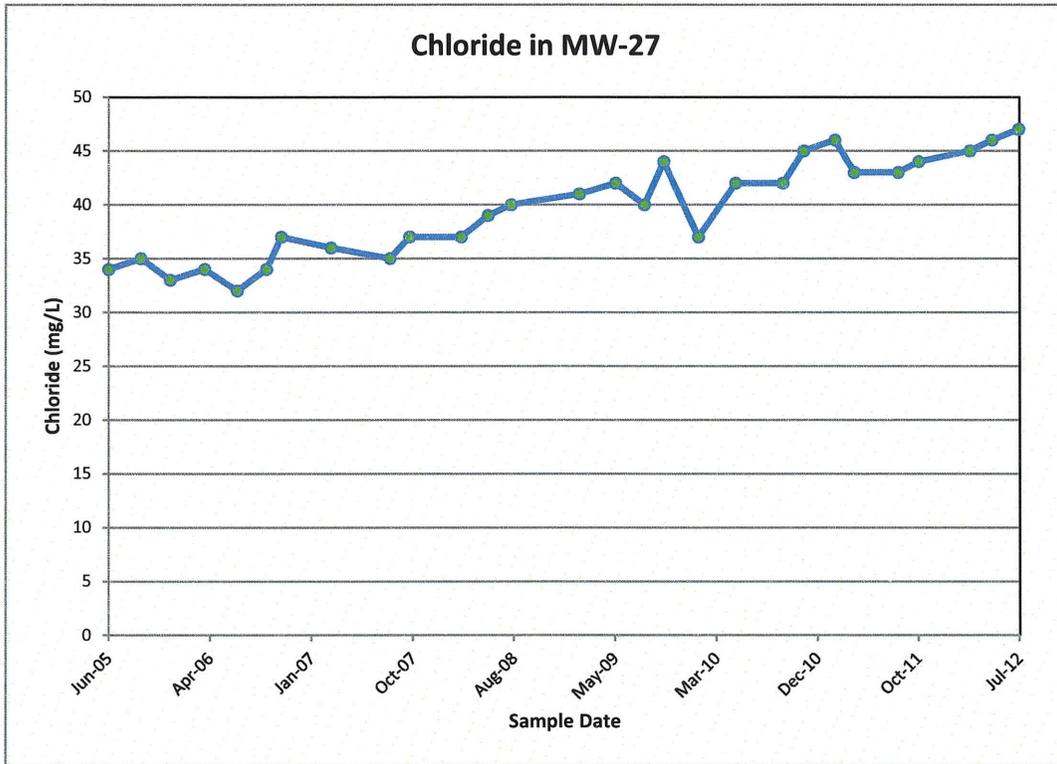
Time concentration plots for MW-26



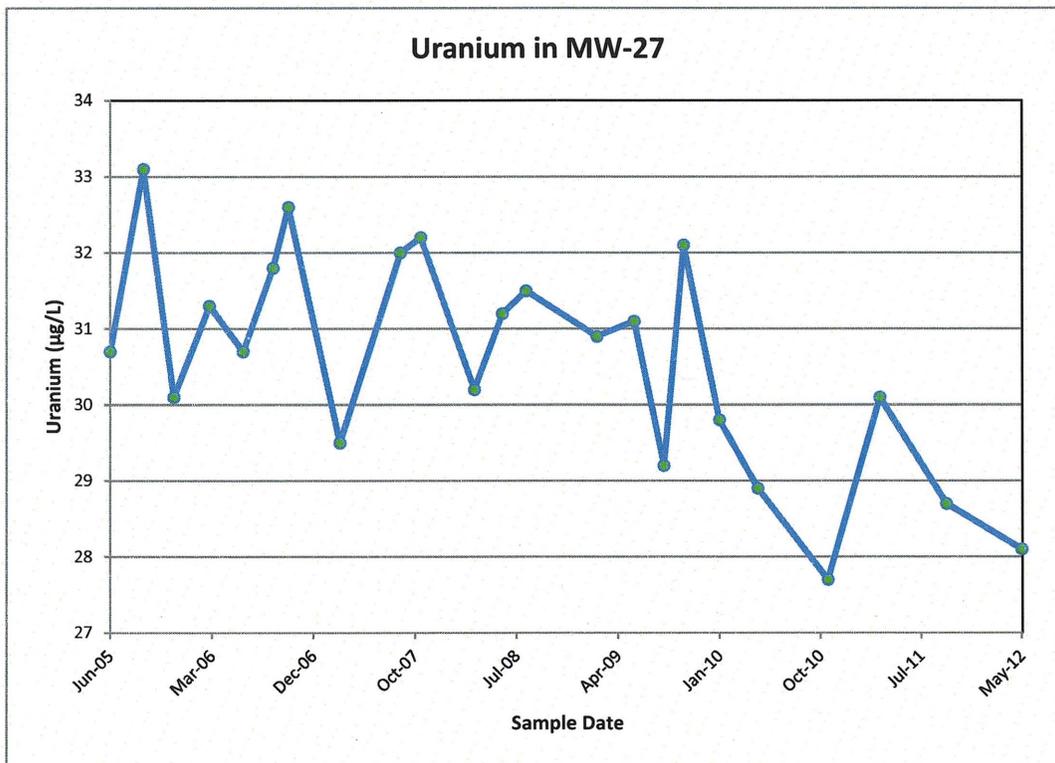
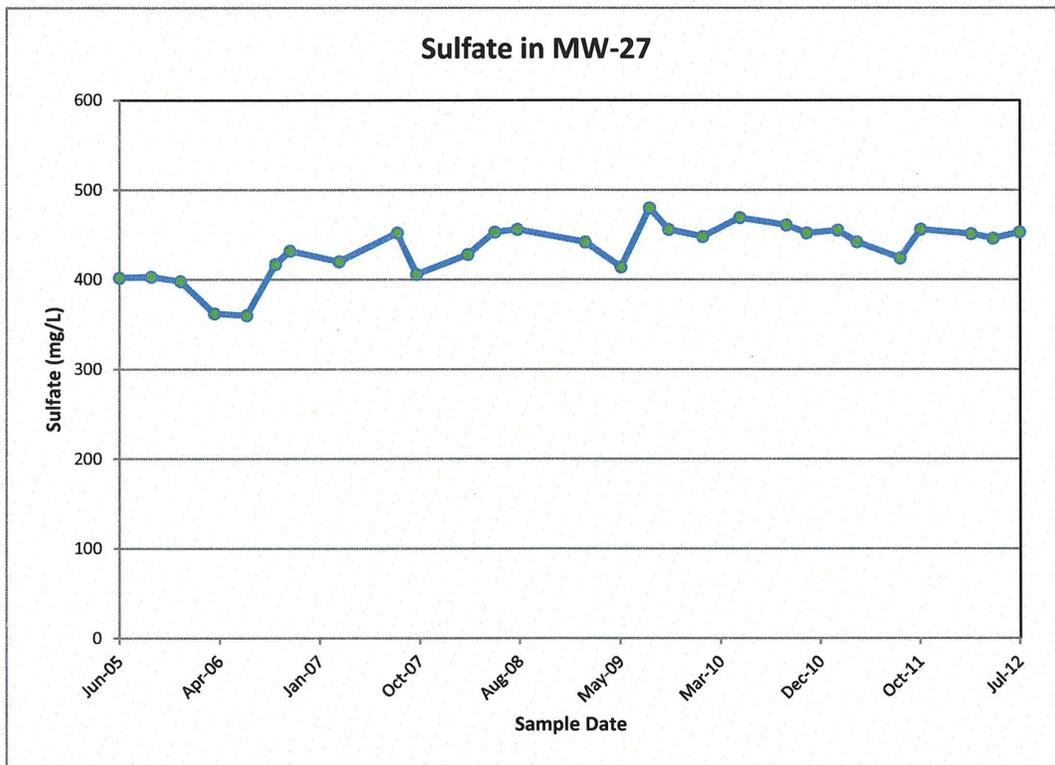
Time concentration plots for MW-26



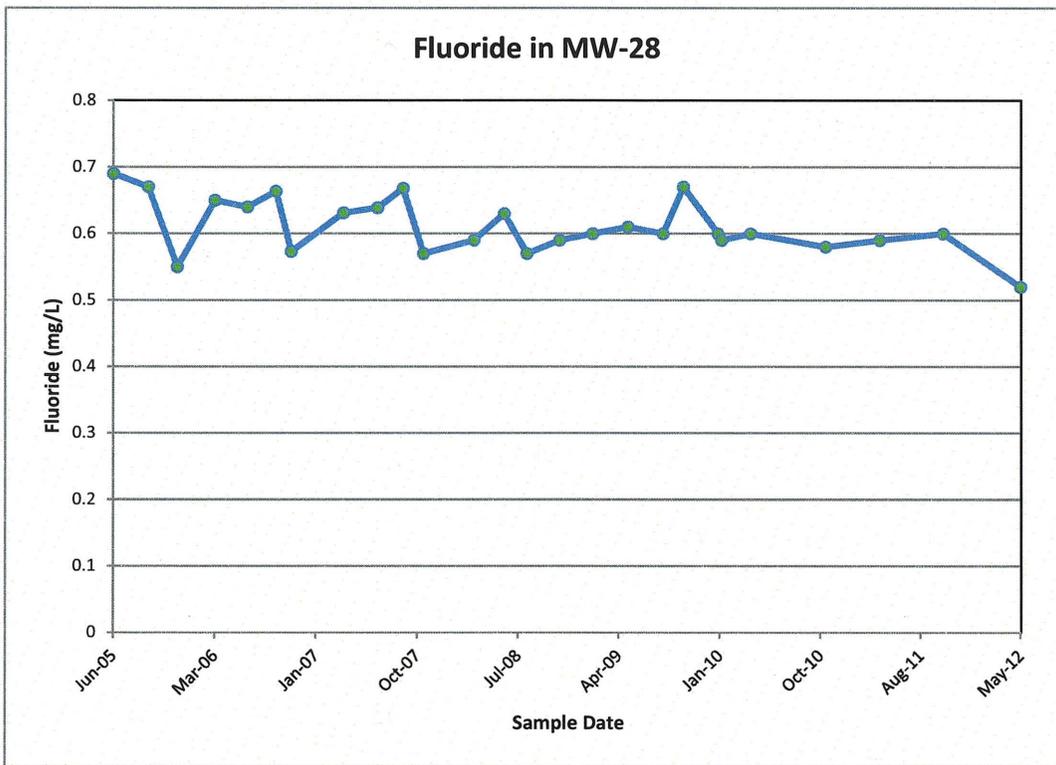
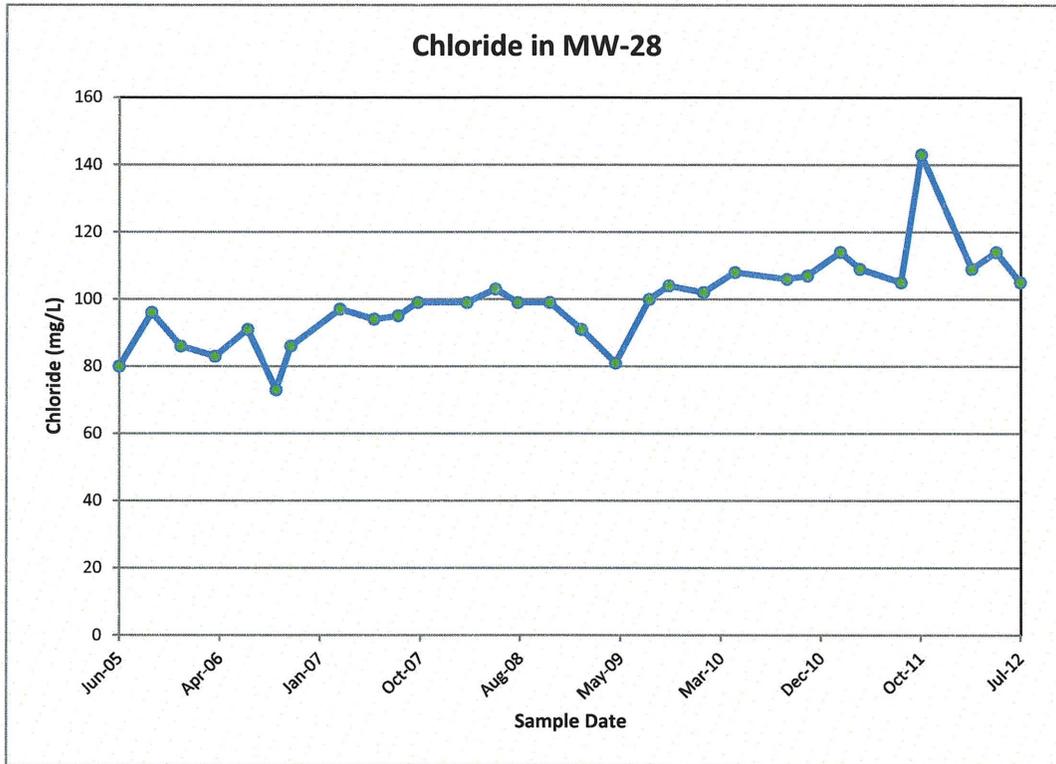
Time concentration plots for MW-27



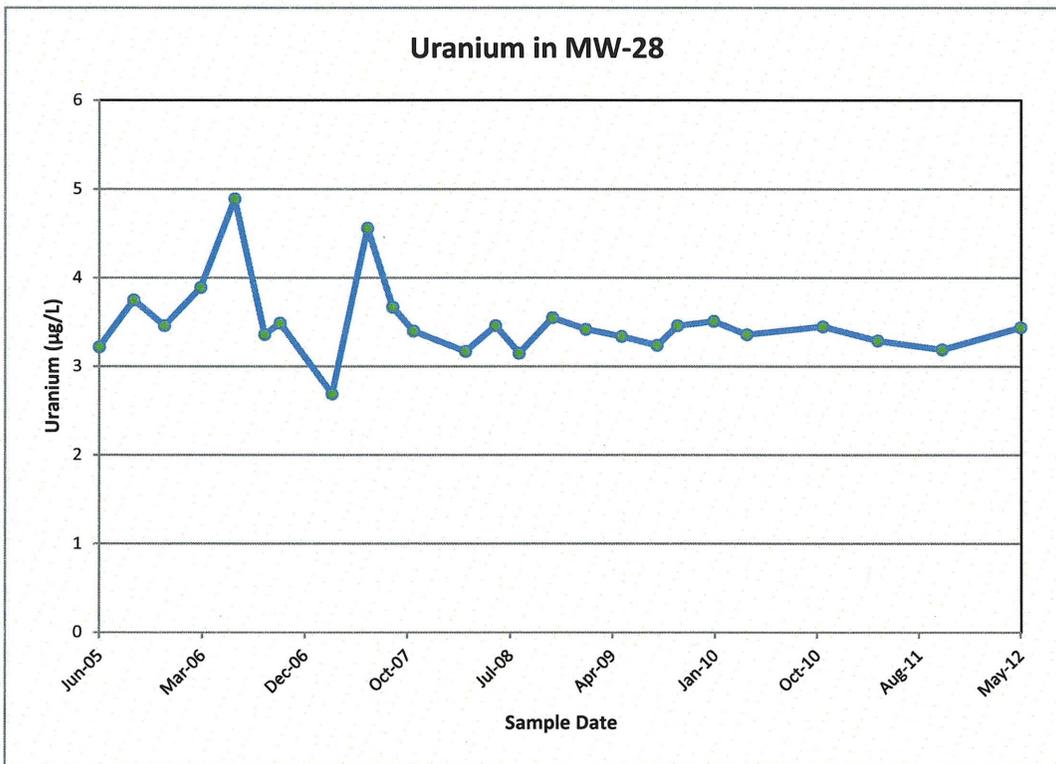
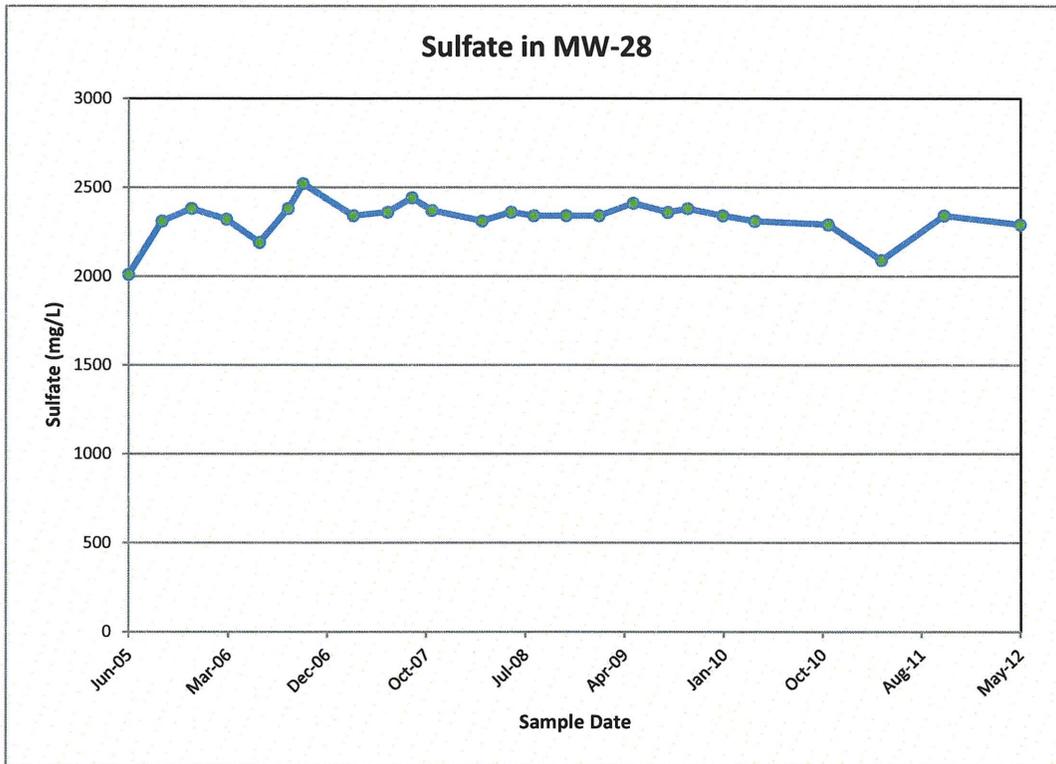
Time concentration plots for MW-27



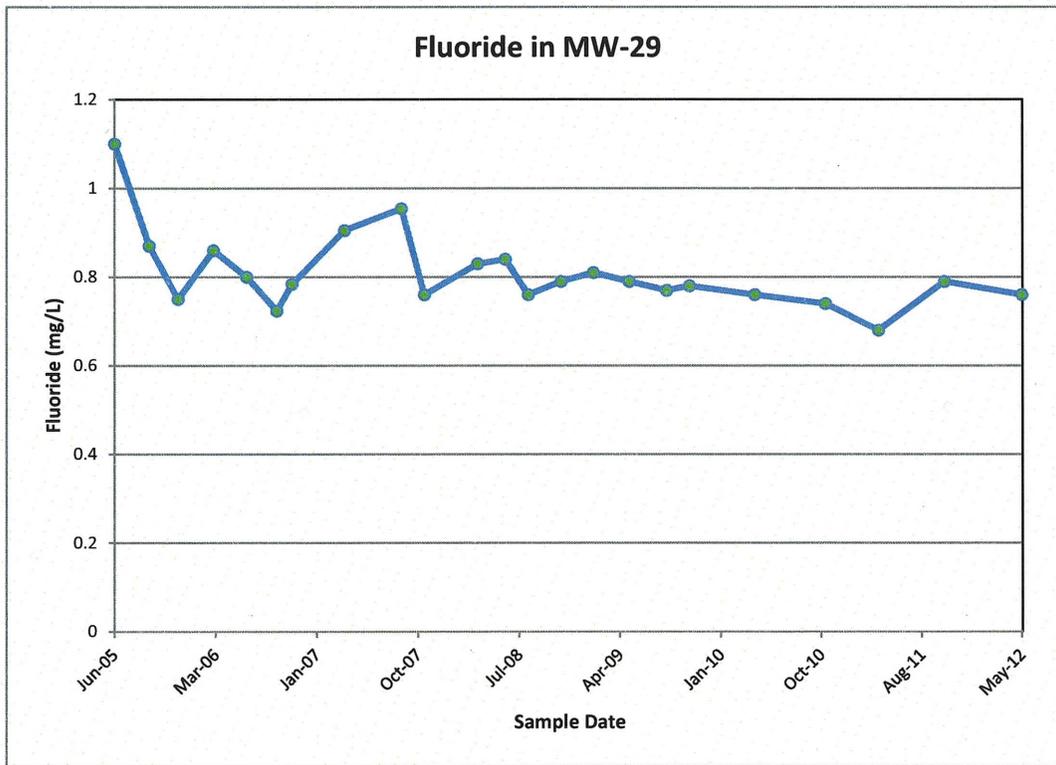
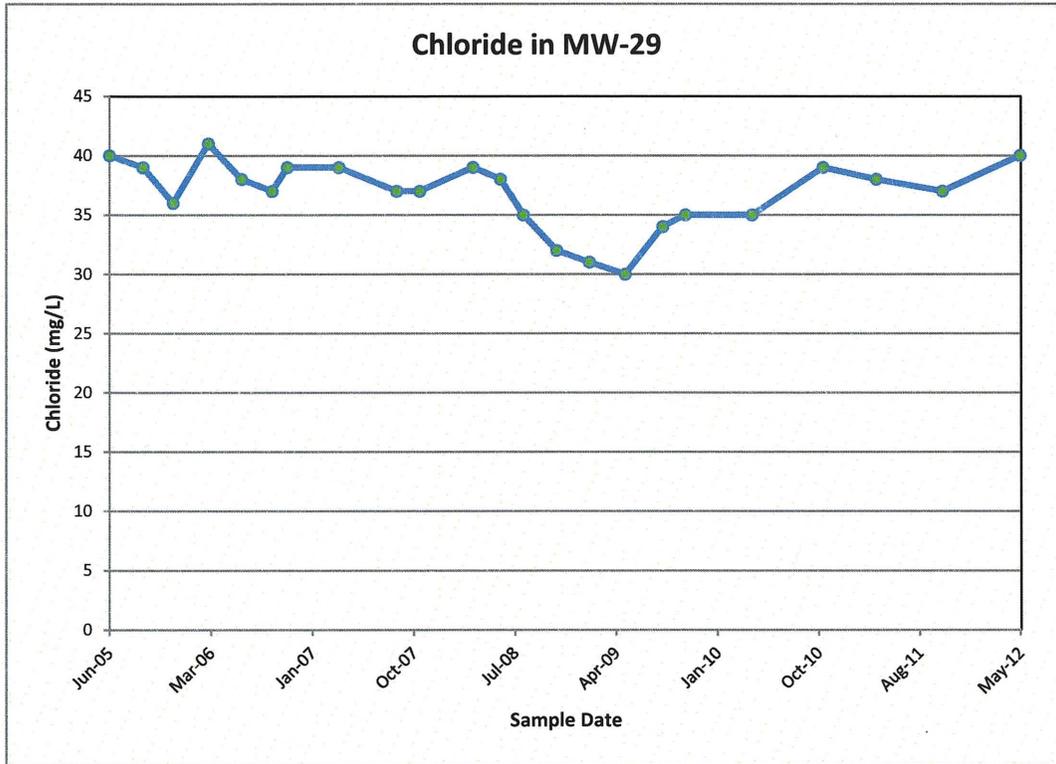
Time concentration plots for MW-28



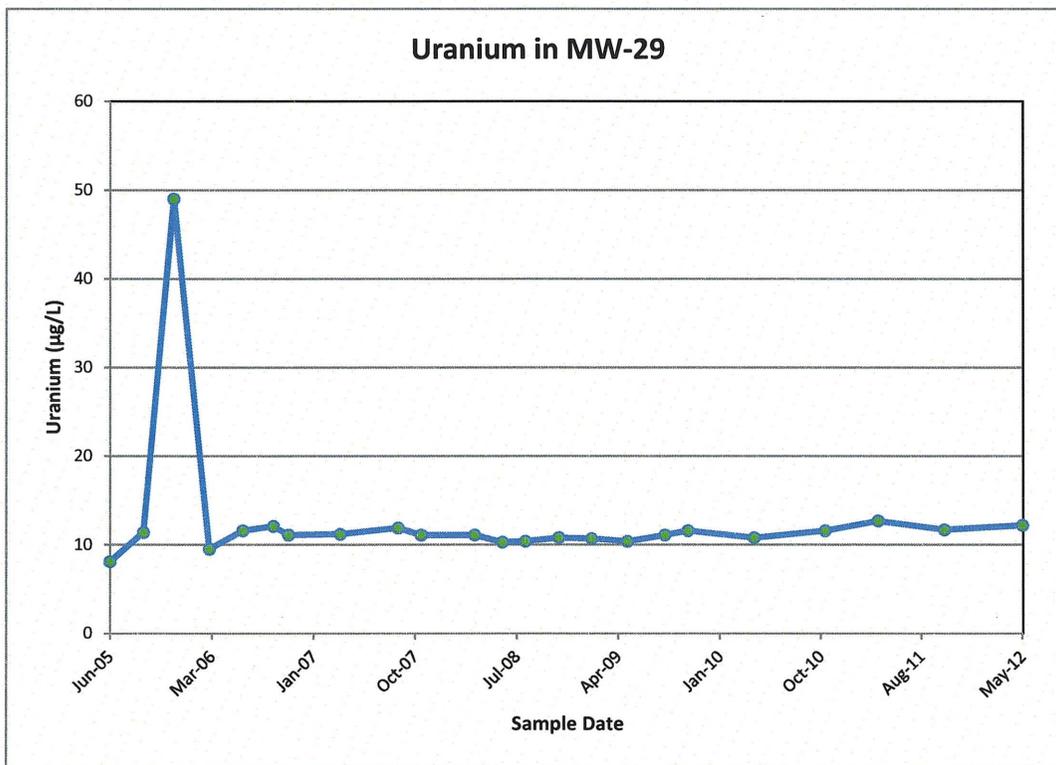
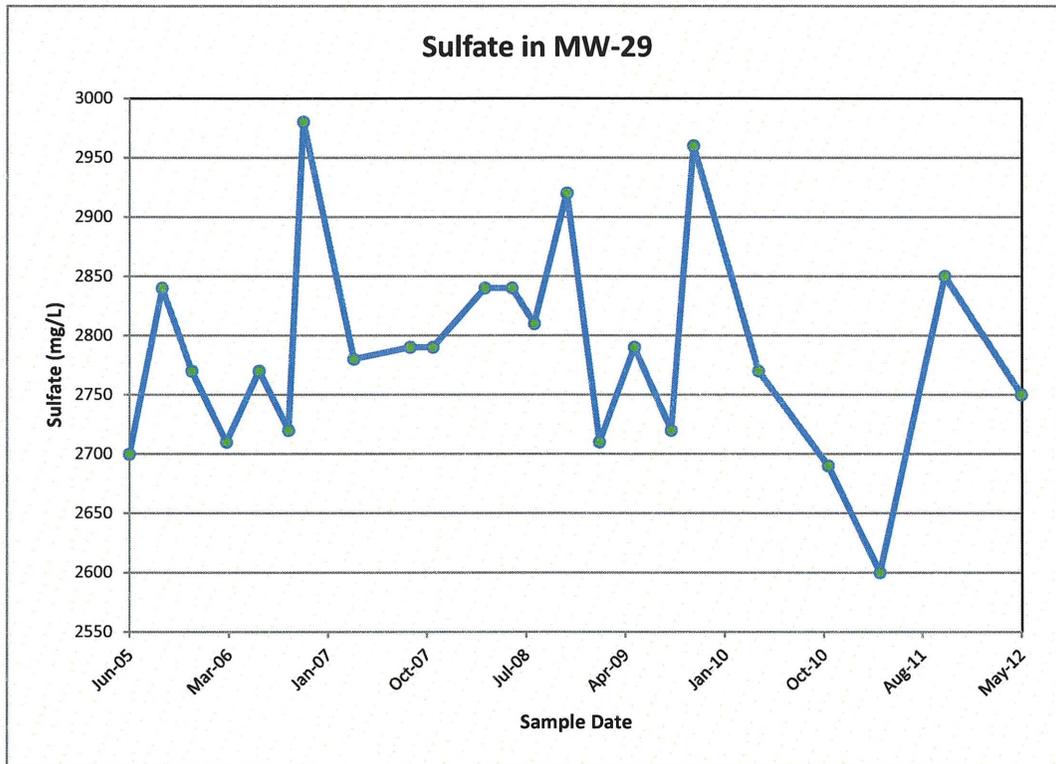
Time concentration plots for MW-28



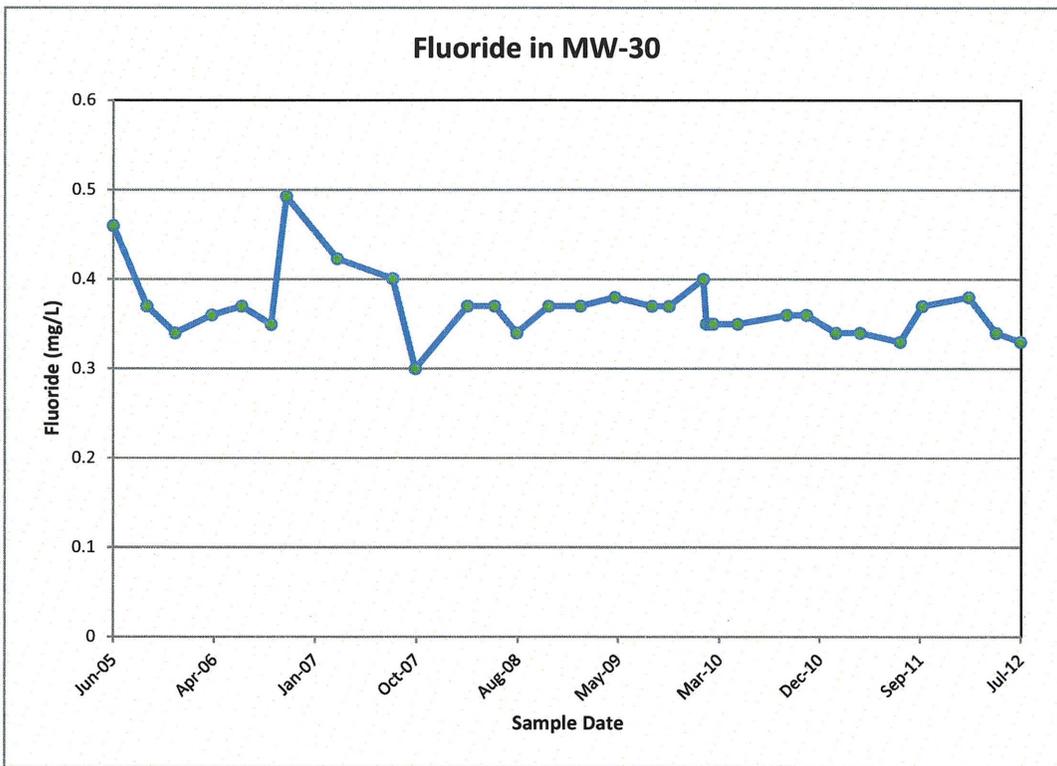
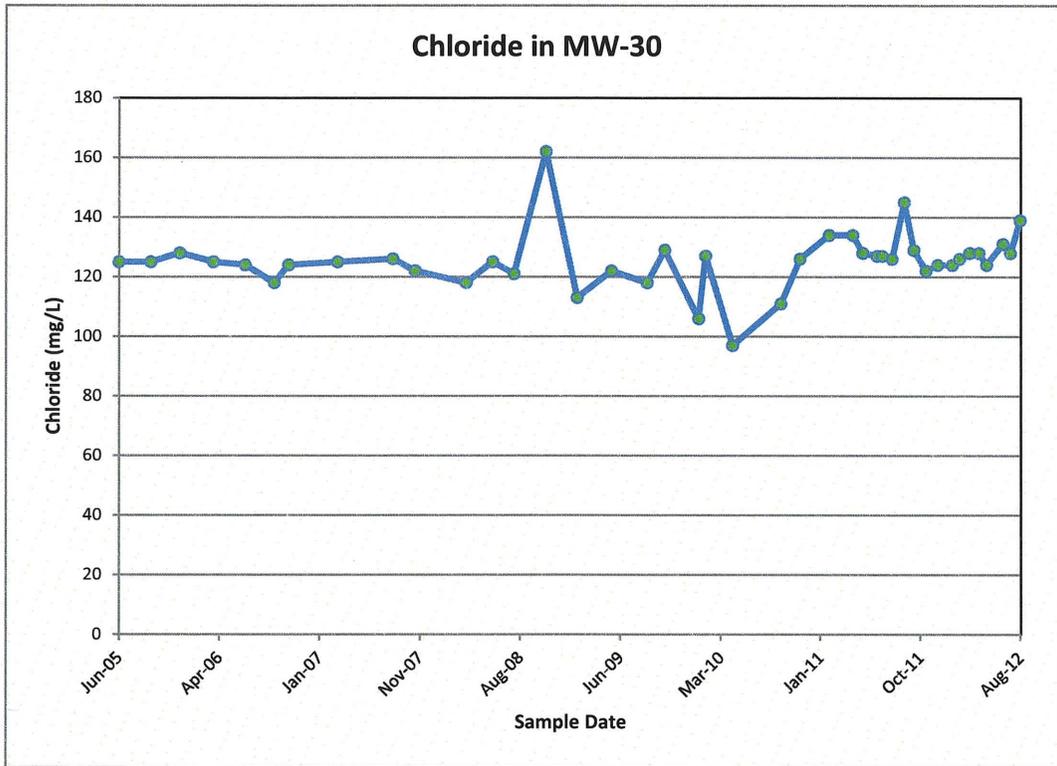
Time concentration plots for MW-29



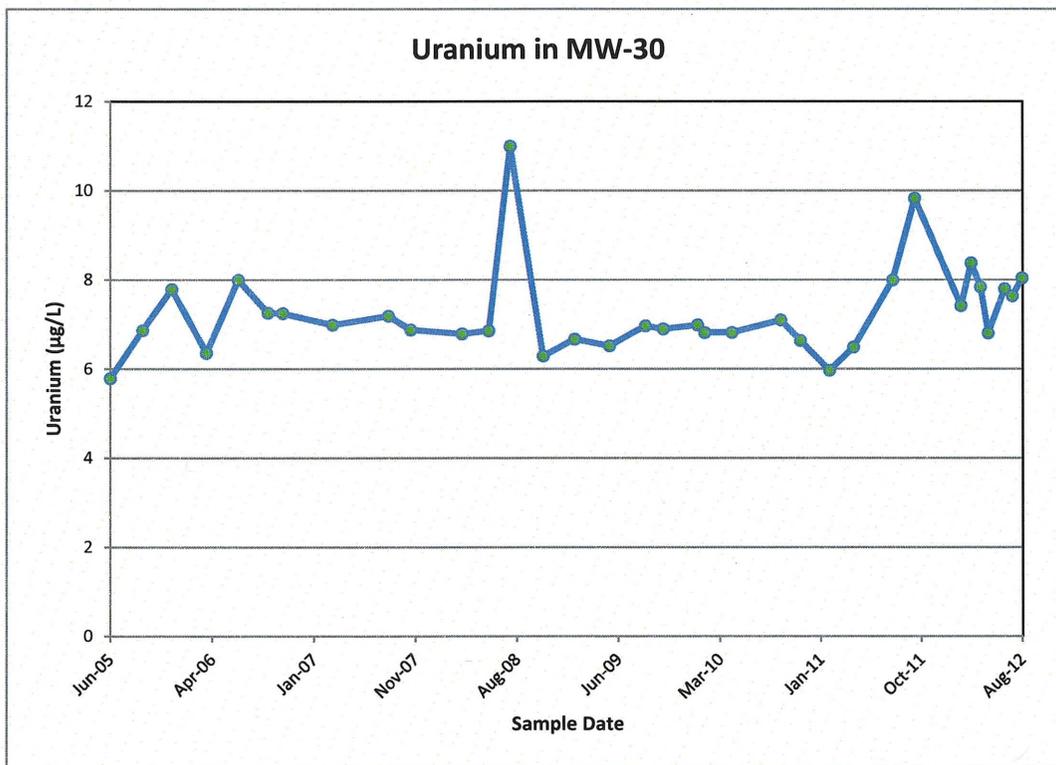
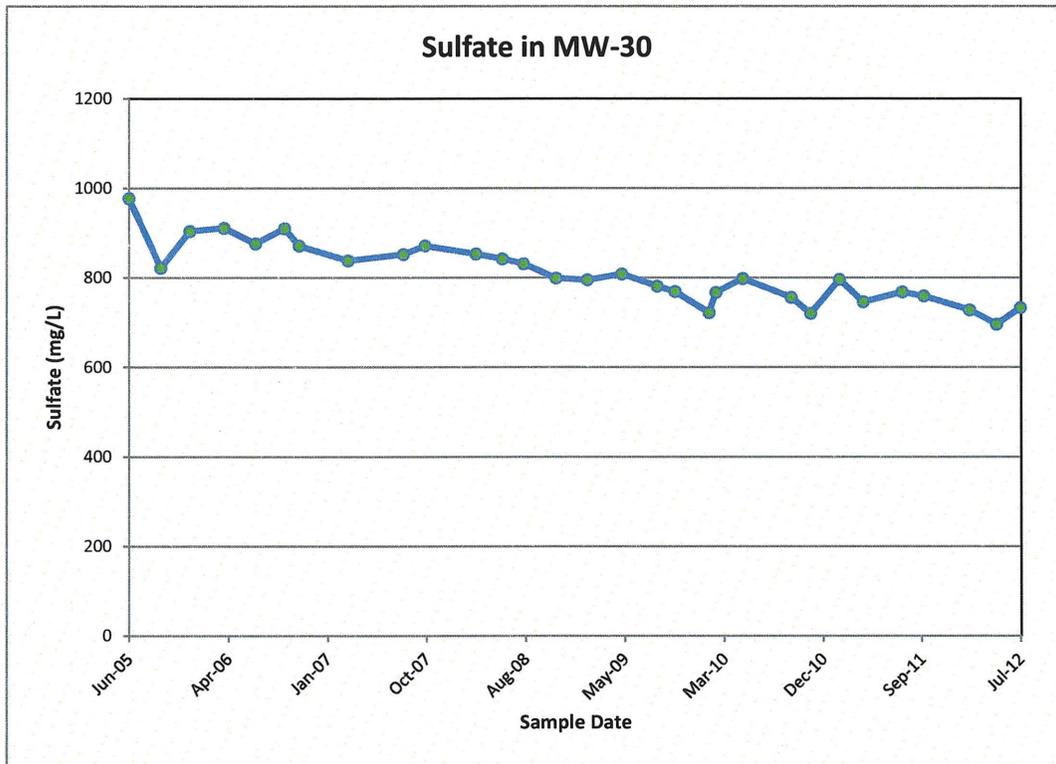
Time concentration plots for MW-29



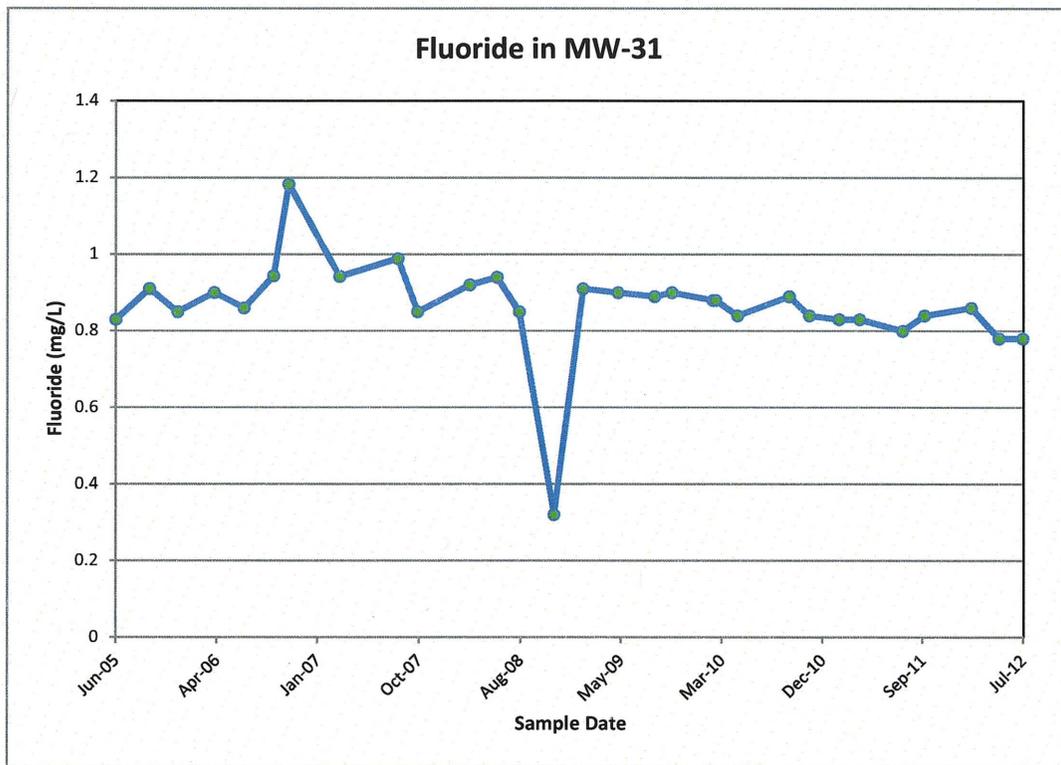
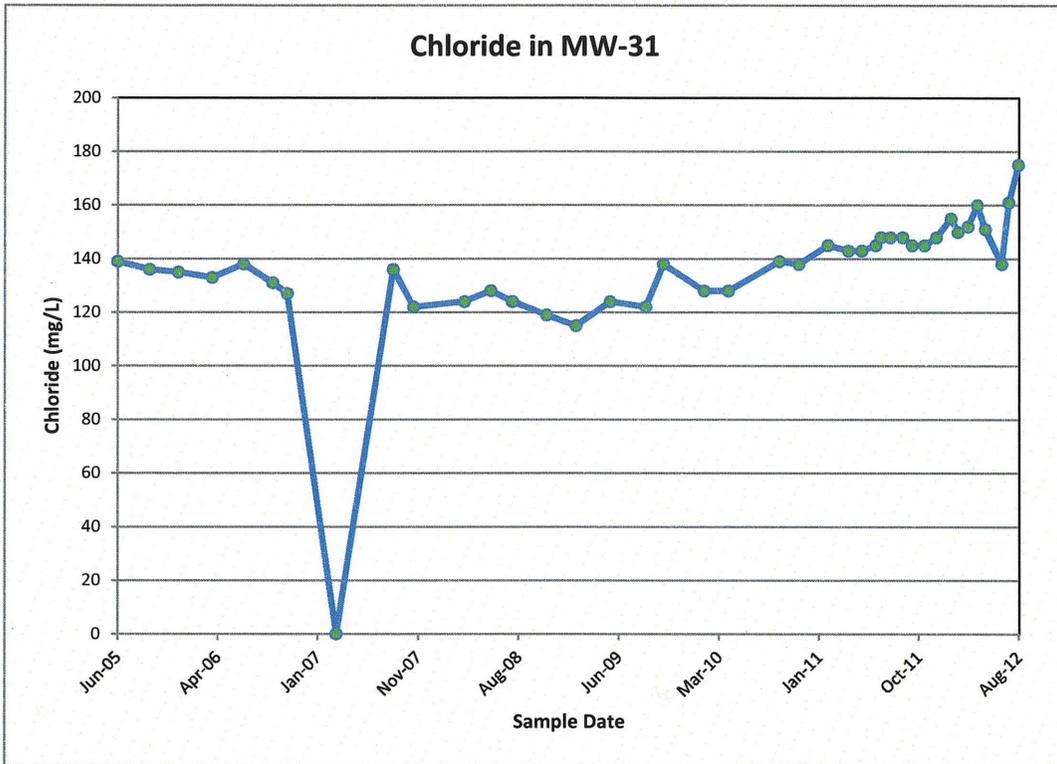
Time concentration plots for MW-30



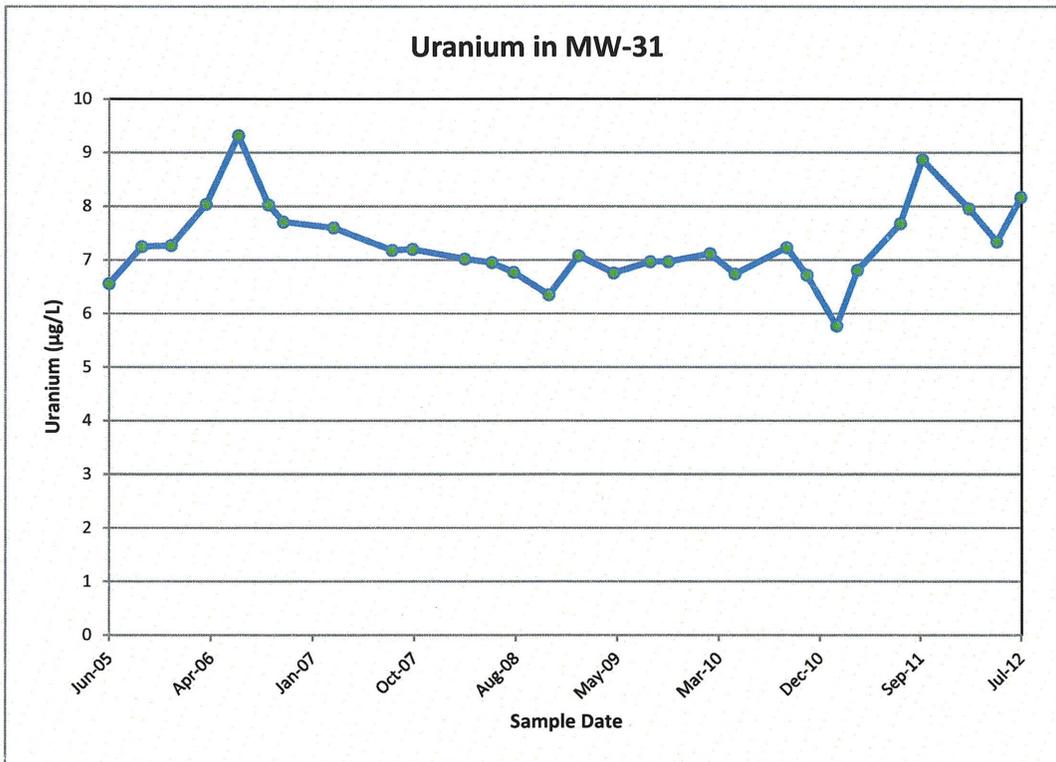
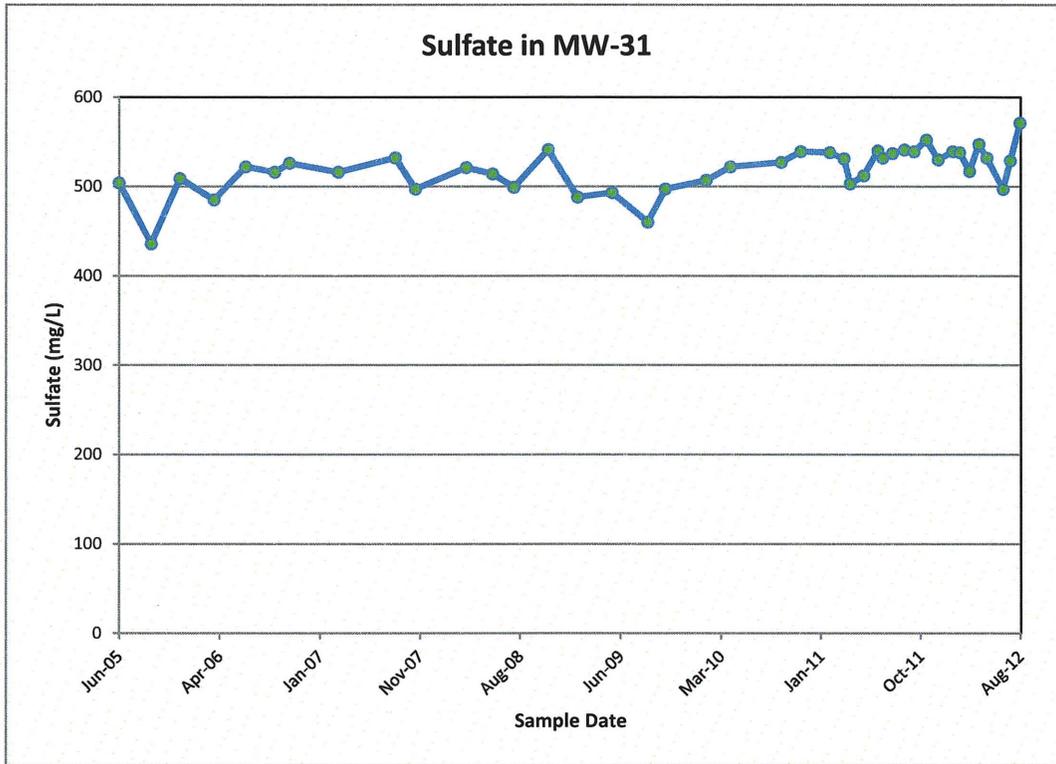
Time concentration plots for MW-30



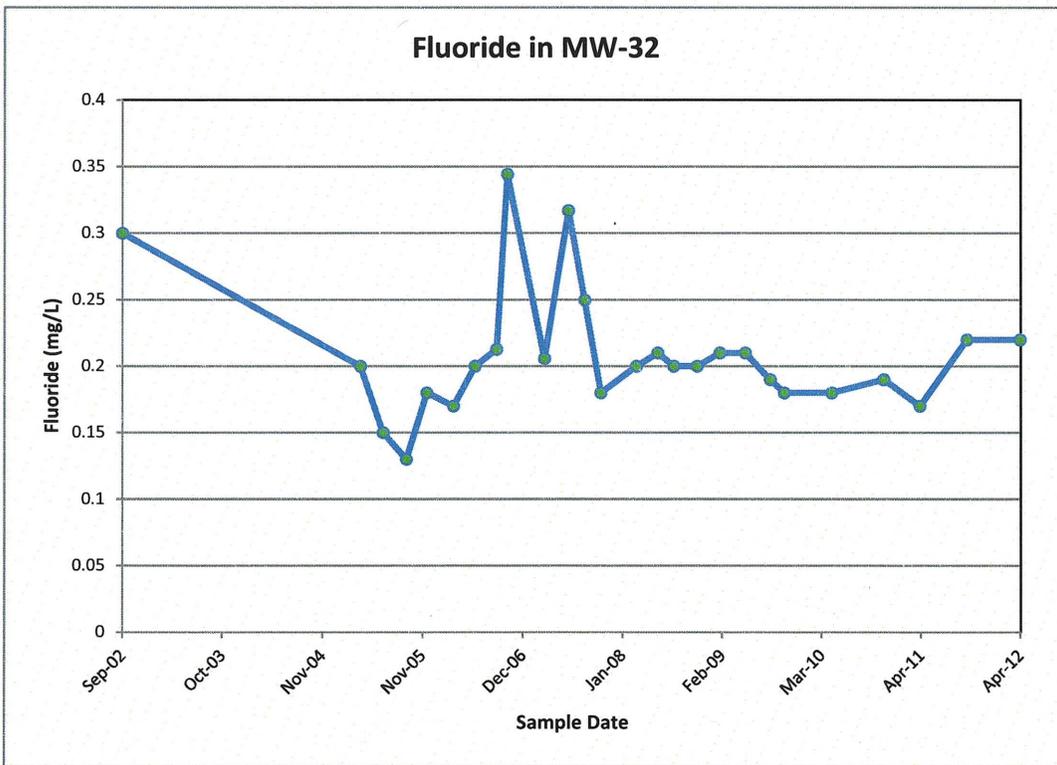
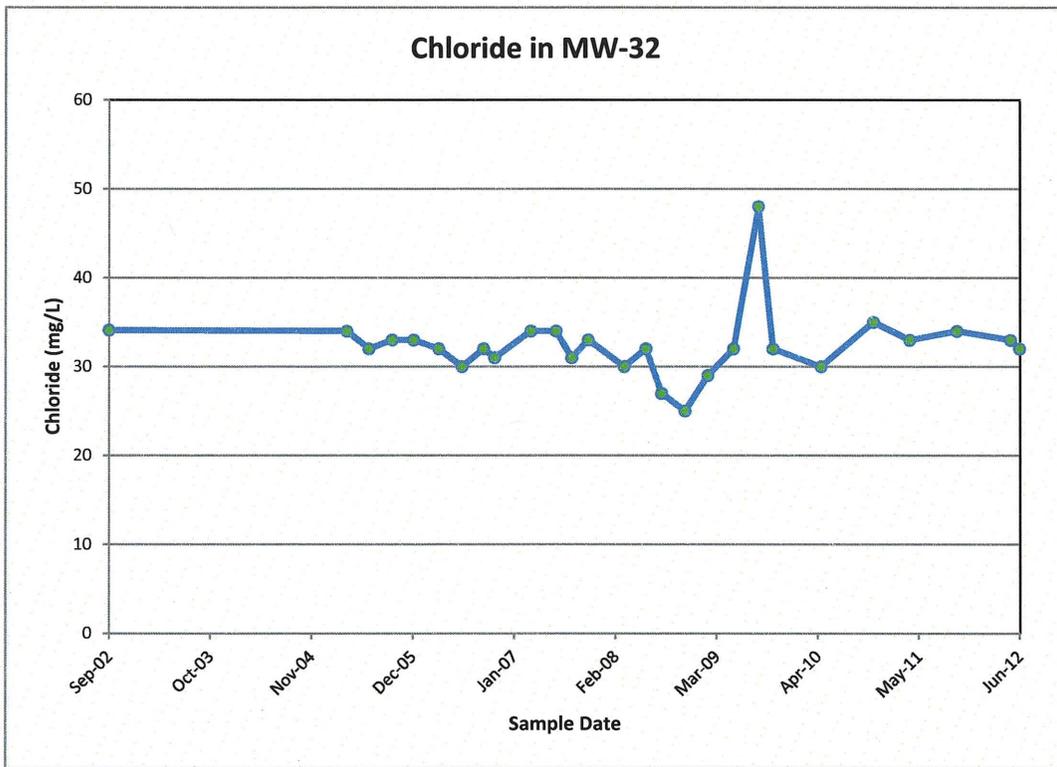
Time concentration plots for MW-31



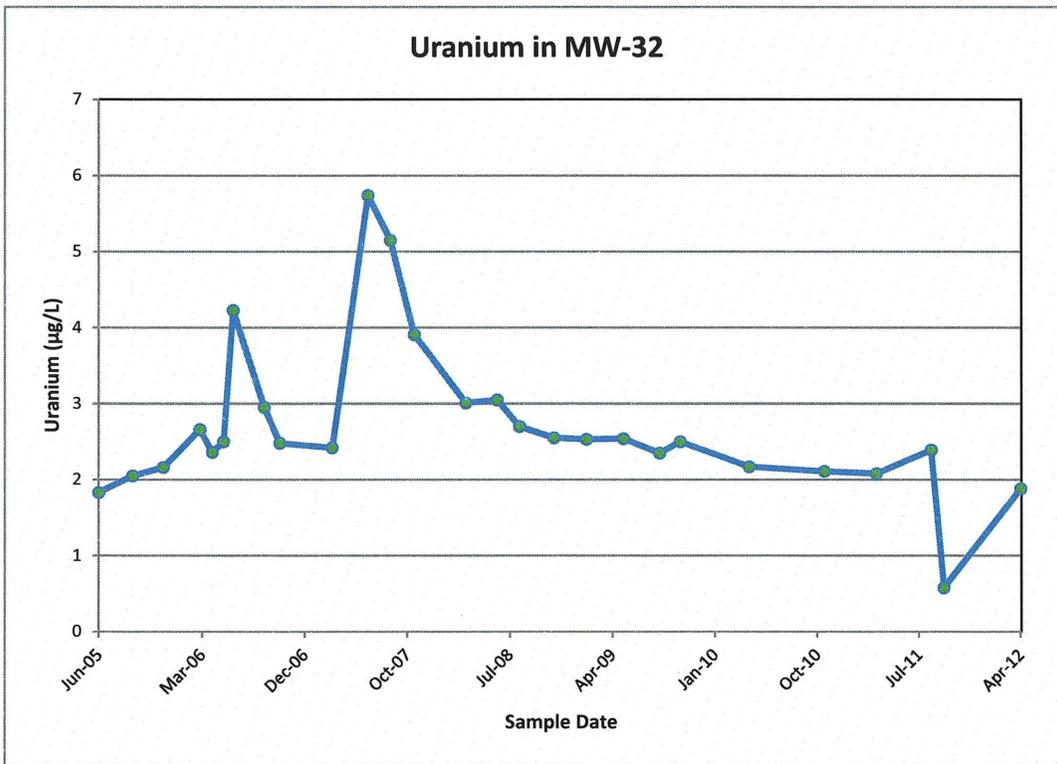
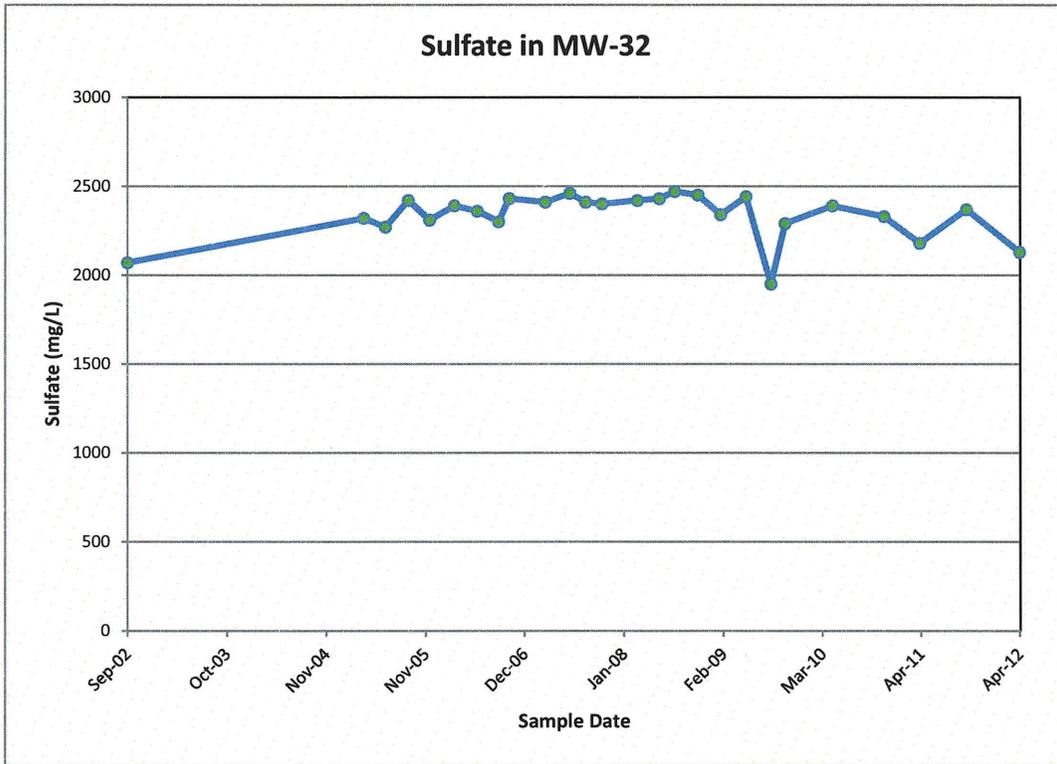
Time concentration plots for MW-31



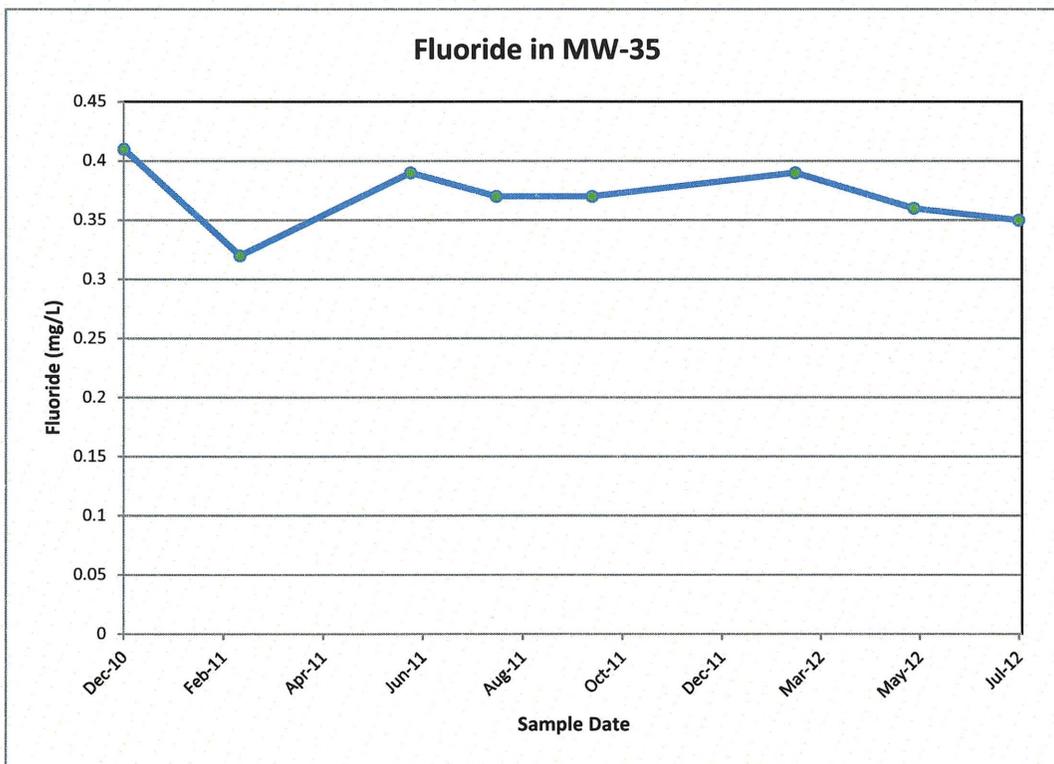
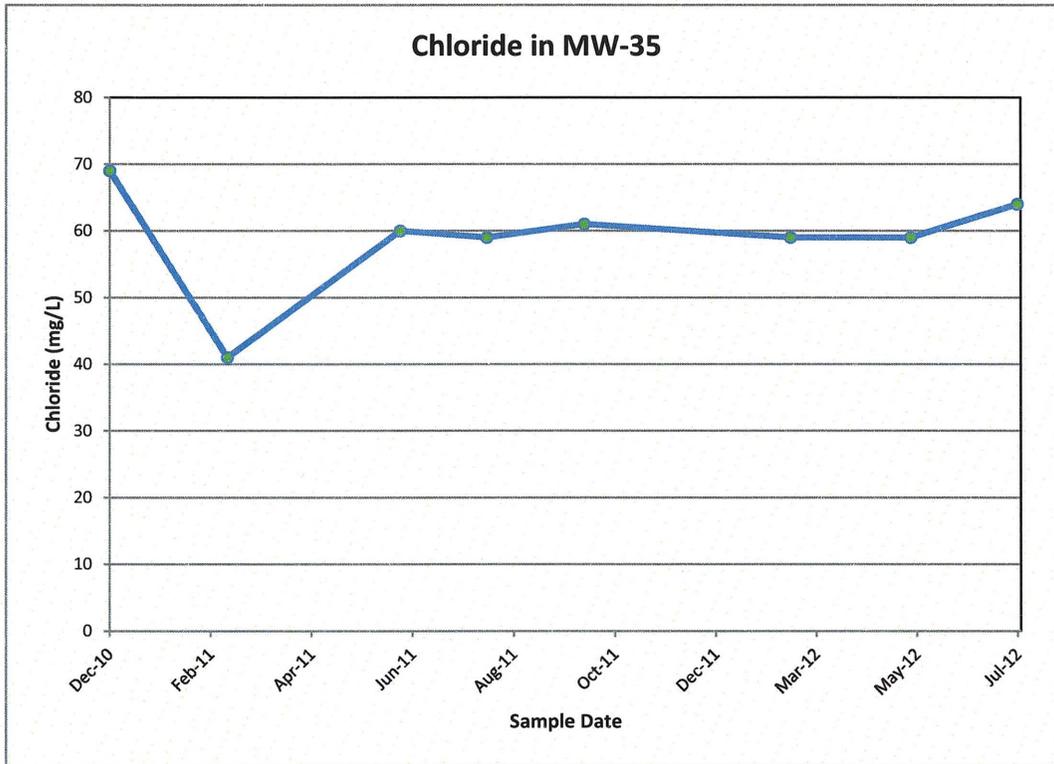
Time concentration plots for MW-32



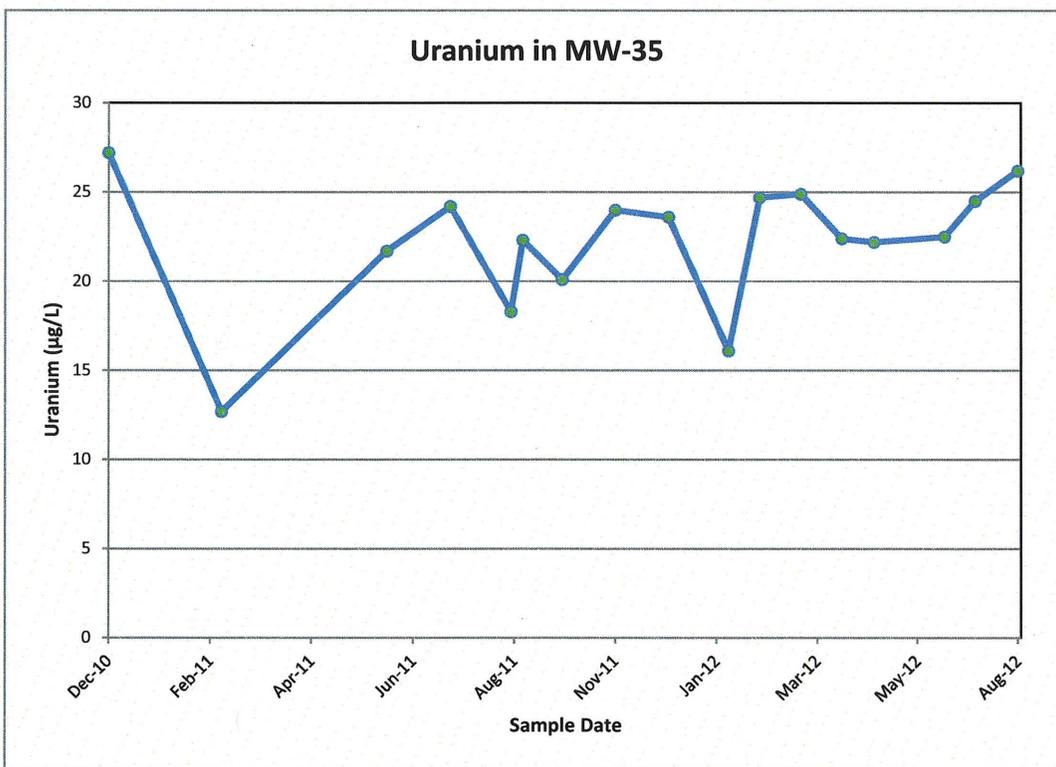
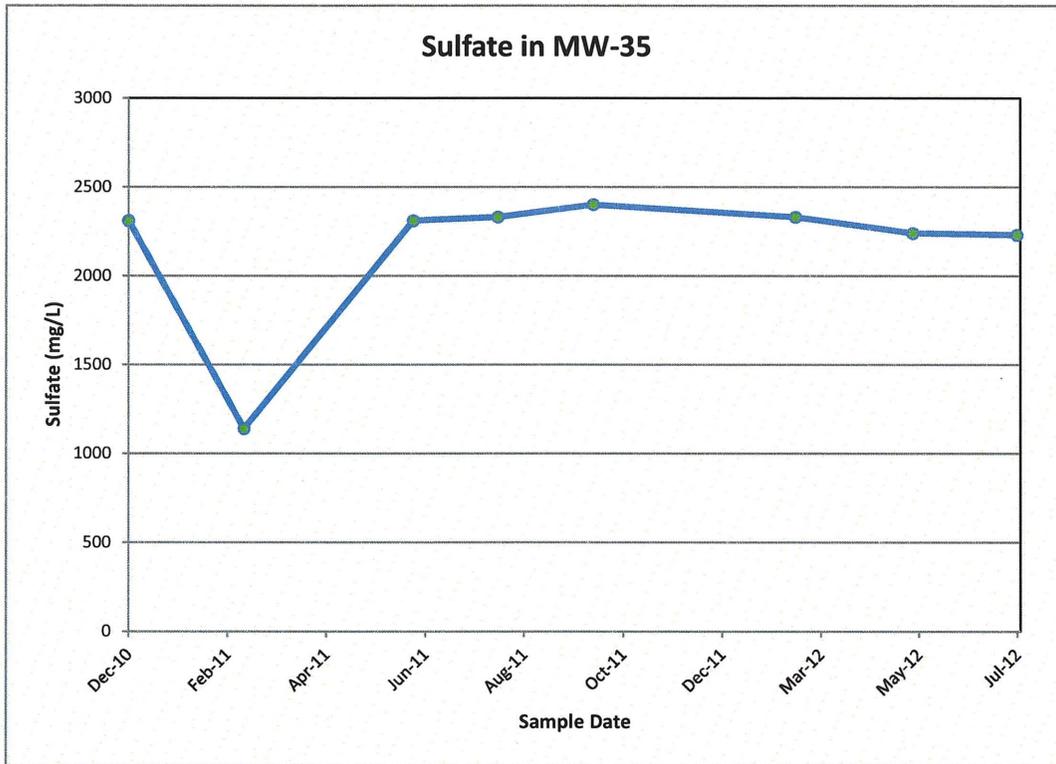
Time concentration plots for MW-32



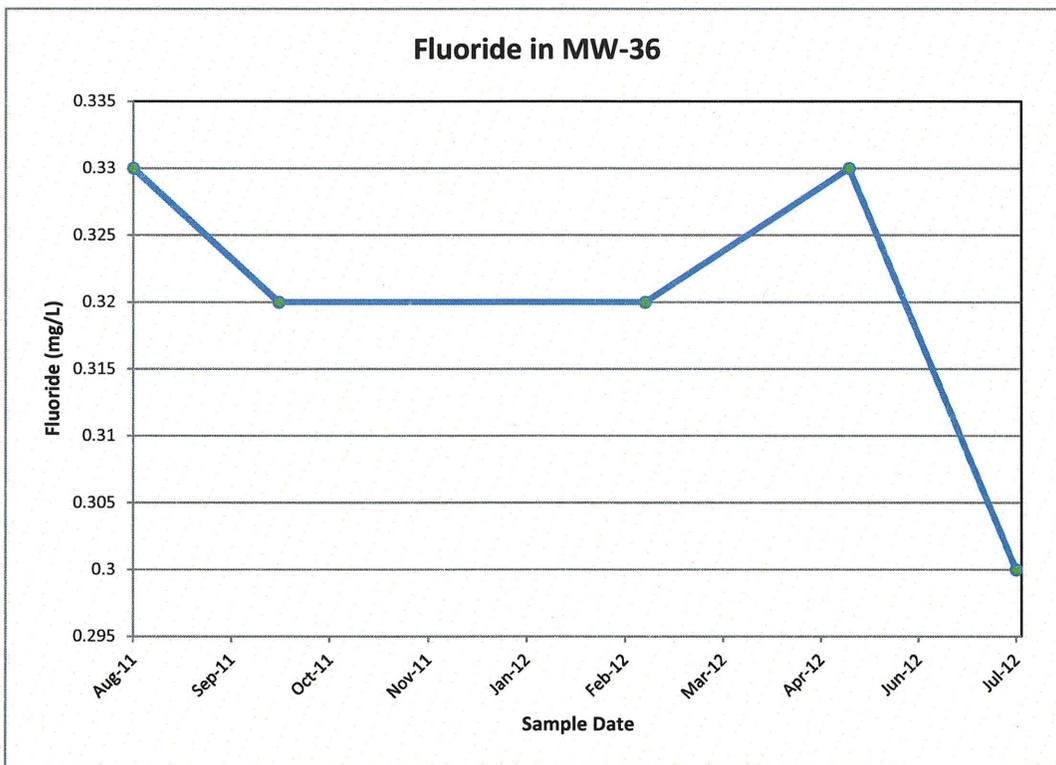
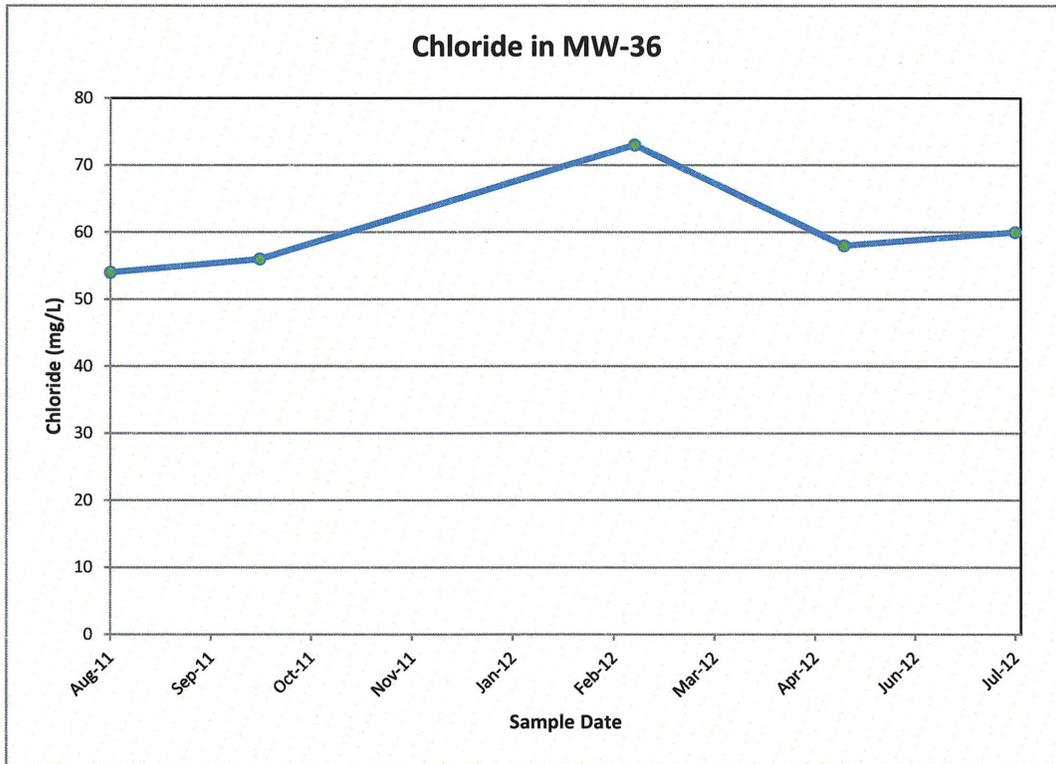
Time concentration plots for MW-35



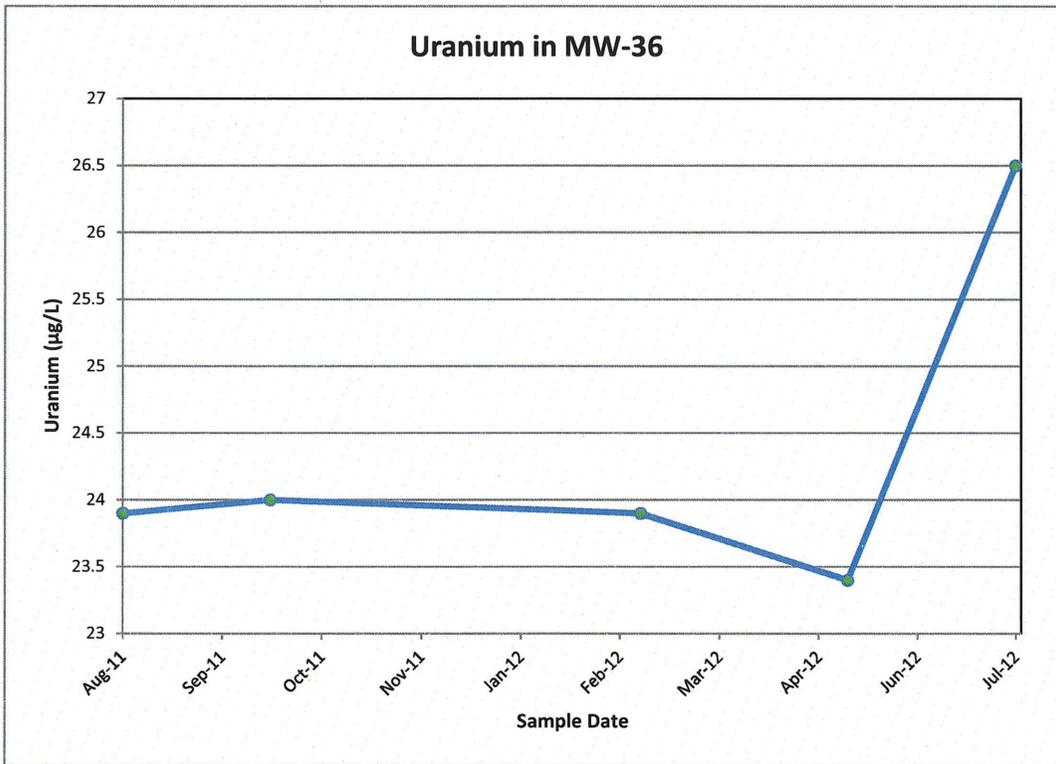
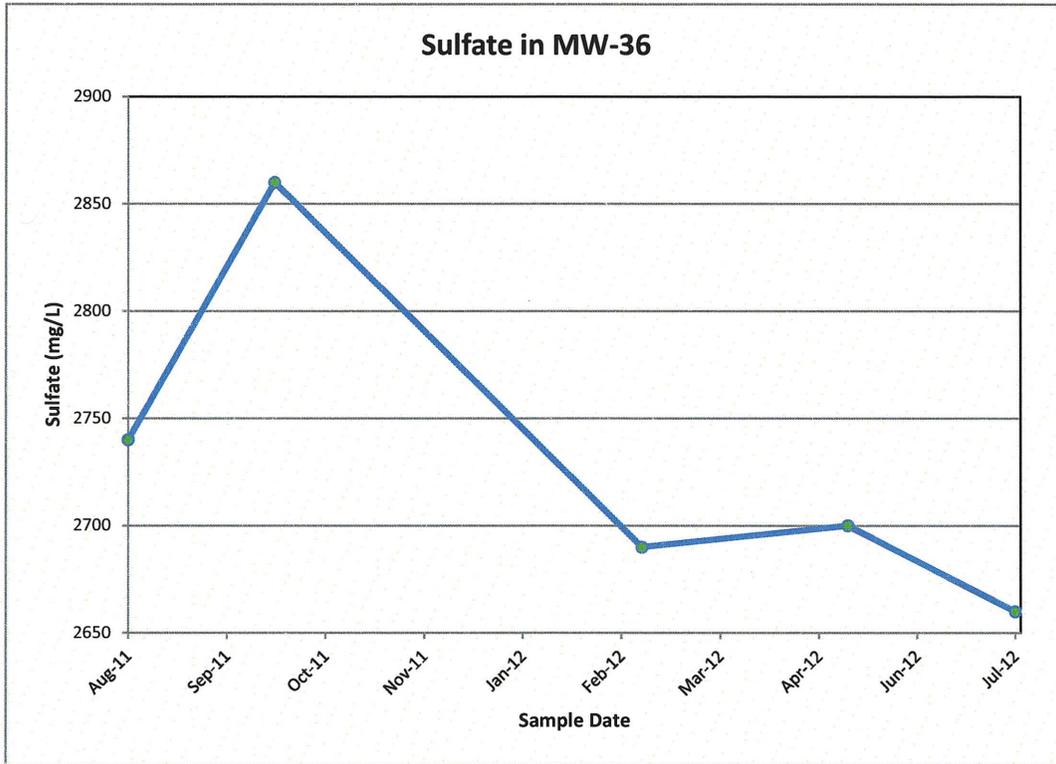
Time concentration plots for MW-35



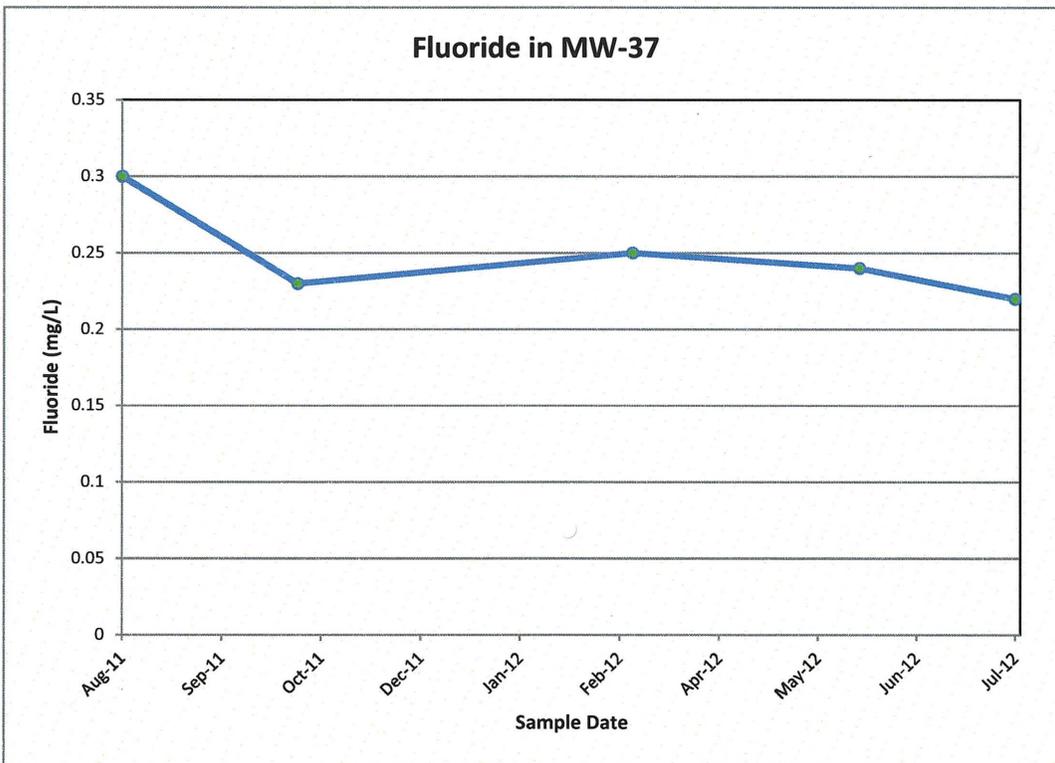
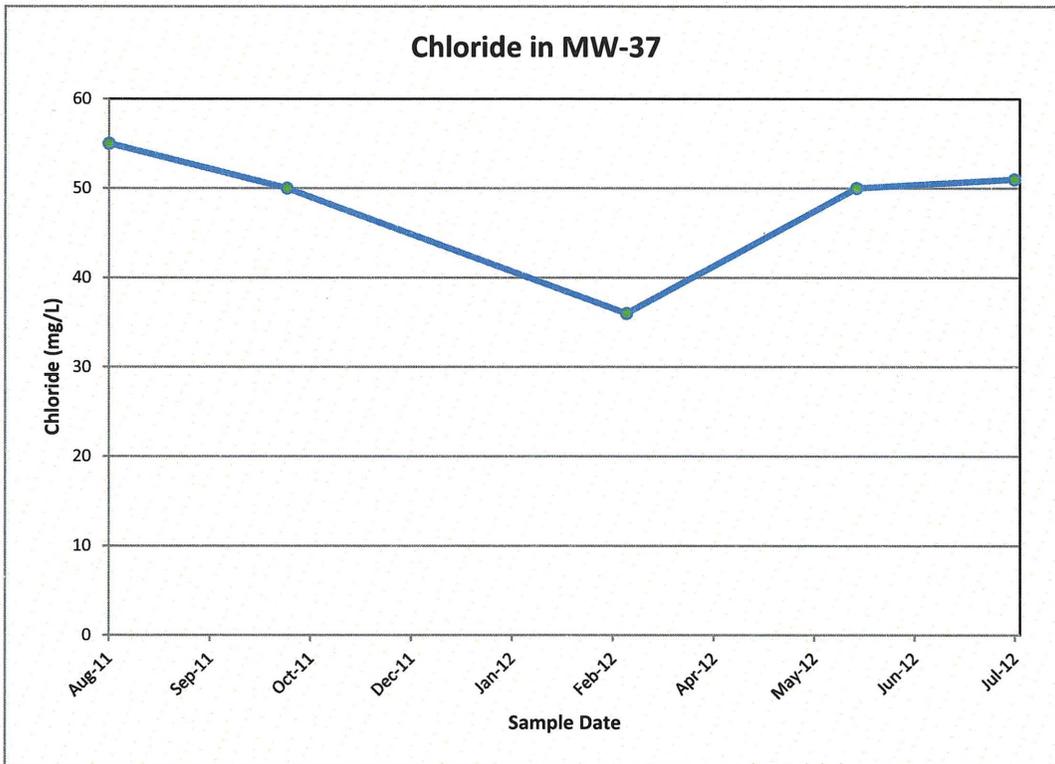
Time concentration plots for MW-36



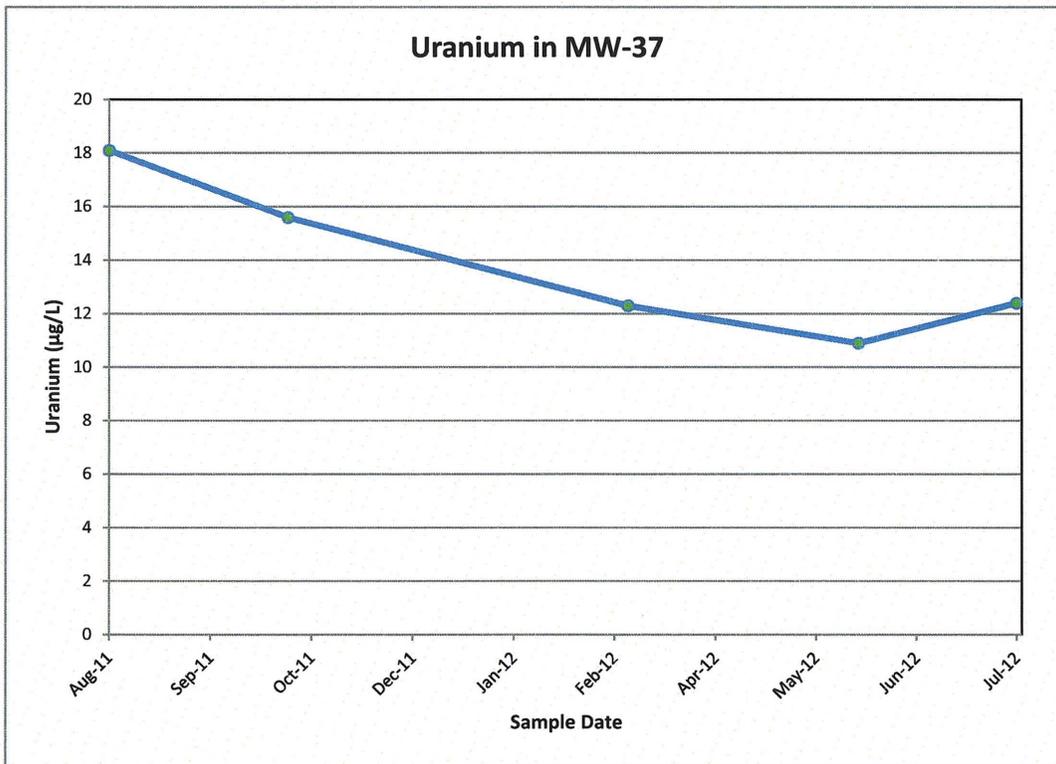
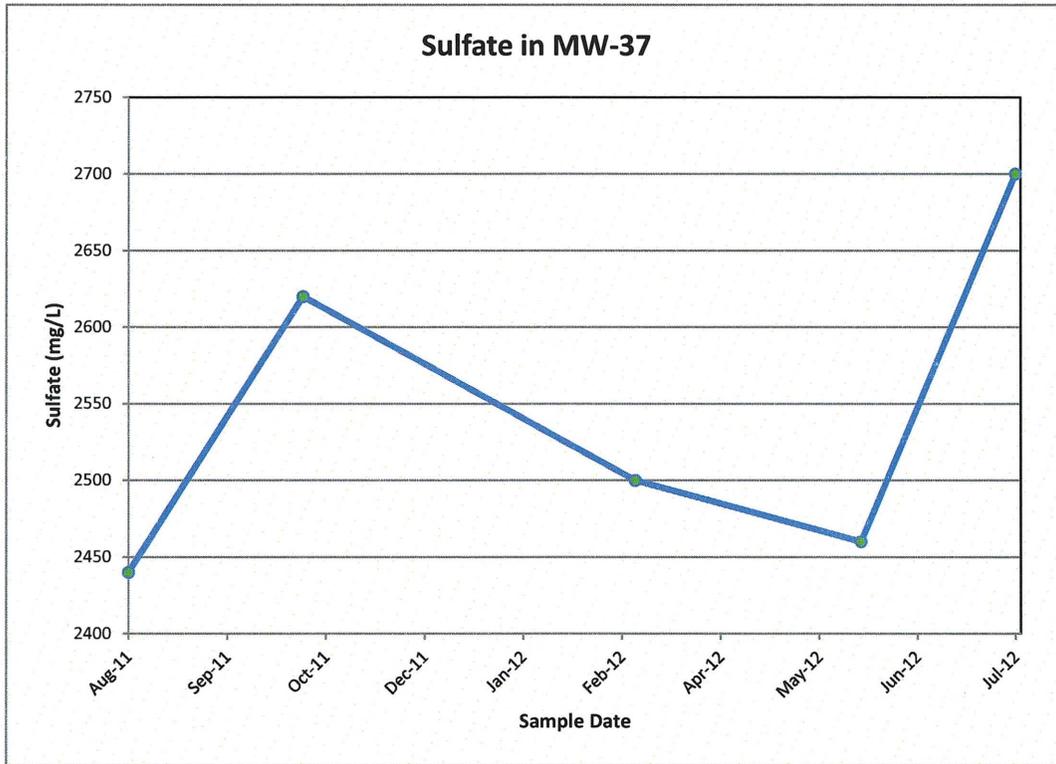
Time concentration plots for MW-36



Time concentration plots for MW-37



Time concentration plots for MW-37



Tab J

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Monday, November 26, 2012 12:54 PM
To: 'rlundberg@utah.gov'
Cc: 'Phillip Goble'; 'Thomas Rushing ii'; Harold Roberts; David Frydenlund; Jo Ann Tischler; David Turk; N. Tanner Holliday; Garrin Palmer; Jaime Massey
Subject: Transmittal of CSV Files White Mesa Mill 2012 Q3 Groundwater Monitoring
Attachments: C12080469.csv; C12080830.csv; C12090804.csv; 1207185.csv; 1208066.csv; C12070448.csv; C12070741.csv; C12080143.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 2012, 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