Energy Fuels Resources (USA) Inc.

August 29, 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 2nd 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 2nd 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,

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

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White Mesa Uranium Mill

Groundwater Monitoring Report

State of Utah
Groundwater Discharge Permit No. UGW370004

2nd Quarter
(April through June)
2012

Prepared by:

Energy Fuels Resources (USA) Inc.
(formerly Denison Mines (USA) Corp.)
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August 29, 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 second quarter of 2012 (the "quarter") for Energy Fuels Resources (USA) Inc's. ("EFR's") (formerly Denison Mines (USA) Corp.'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 Quality Assurance Plan Modifications during the Quarter

During the first and second quarter of 2012, Revision 6 of the approved Quality Assurance Plan ("QAP"), dated March 22, 2010, was revised on March 26, 2012 (Revision 7.0), May 25, 2012 (Revision 7.1) and June 6, 2012 (Revision 7.2). Revision 7.0, dated March 26, 2012, incorporated changes requested by Division of Radiation Control ("DRC") in correspondence dated February 7, 2012. The changes were requested to address field sampling procedures for low yield wells consistent with U.S. Environmental Protection Agency ("EPA") guidance documents. EFR submitted Revision 7.0 of the QAP on March 26, 2012. Revision 7.1 was submitted on May 25, 2012 to address minor changes to Revision 7.0 noted by DRC. Revision 7.1 was approved by DRC in correspondence dated May 30, 2012. EFR noted on June 6, 2012 that there were typographical errors in Revision 7.1 that interfered with field operations and submitted Revision 7.2 on June 6, 2012 to correct these typographical errors. DRC approved Revision 7.2 on June 7, 2012.

Samples were collected during the second quarter 2012 using the procedures contained in Revisions 6.0 and 7.1 (as corrected in Revision 7.2) of the QAP. Samples collected prior to May 30, 2012 were purged and sampled in accordance with the procedures in Revision 6 of the QAP. Samples collected after May 30, 2012 were purged and sampled in accordance with Revision 7.1 (as corrected in Revision 7.2) of the QAP.

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 (April through June), 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.

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, two wells and one duplicate were resampled due to poor duplicate agreement and a missed holding time. The following is a list of wells which were resampled:

- 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-31 was resampled for total dissolved solids ("TDS") due to the laboratory missing the holding time.

Table 1 has also been color-coded to reflect which of the QAP revisions was in effect at the time of sampling.

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. 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. 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 May) 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 general monitoring wells MW-20 and MW-22, and all resampling efforts conducted during this quarter.

Attached under Tab C are copies of all field data sheets recorded in association with the April and June 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 April and June accelerated sampling (i.e. quarterly accelerated to monthly) are provided in Table 1. Results from analysis of samples collected for the April and June 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, 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.

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. 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 EFR's (submitted under Denison letterhead) letter to DRC on July 27, 2012. Table 3 summarizes the results of the accelerated sampling program from first quarter 2010 through second 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." EFR submitted an exceedance notice on July 27, 2012 for the second 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 EFR, as determined by DRC Staff and stated in teleconferences with EFR

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 QAPs As noted in Section 1.1 and identified on Table 1, there were multiple QAPs in effect during this sampling period. As required in the QAPs, 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.

Seven 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.

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

One trip blank was provided by AWAL and returned and analyzed with the April accelerated 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 June 2012.

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-20 and MW-37 have dedicated pumps for purging and sampling and as such no rinsate blanks samples are required. MW-20 and MW-37 were 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 stability of five parameters: conductance, pH, temperature, redox potential, and turbidity for wells sampled prior to May 30, 2012. Stability of field parameters and well sampling techniques for wells sampled after May 30, 2012 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.

Wells Sampled Prior to May 30, 2012 under Revision 6 of the QAP

Wells sampled prior to May 30, 2012, include the April monthly accelerated monitoring and all quarterly and semi-annual monitoring wells except MW-20.

Based upon the review of the Field Data Sheets, all quarterly and semi-annually sampled locations which were sampled prior to May 30, 2012 conformed to the QAP, Revision 6, requirement to evacuate two well casing volumes before sampling except for MW-03A, MW-12, and MW-37. These wells were evacuated to dryness before two casing volumes could be pumped. MW-23 and MW-24 were purged dry after 2 casing volumes were 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.

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, DUSA will follow the purging requirements outlined in Attachment 2-3 of the QAP.

All April accelerated sampled locations conformed to the QAP, Revision 6, requirement to evacuate two well casing volumes before sampling.

The review of the field sheets for compliance with QAP, Revision 6, dated March 22, 2010 requirements resulted in the observations noted below. The QAP requirements in Section 6.2.7 specifically state that field parameters have to be stabilized to within 10%

Relative Percent Difference ("RPD") over at least 2 consecutive measurements. The QAP, Revision 6, states that turbidity should be less than 5 Nephlometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such the noted observations regarding turbidity measurements greater than 5 NTU below are included for information purposes only.

- Turbidity measurements were less than 5 NTU for all of the quarterly and semi-annual wells sampled prior to May 30, 2012 except MW-01, MW-12, MW-17, MW-22. MW-23, MW-26, MW-29, MW-32 and MW-37. Per the QAP, Revision 6, Section 6.2.7 d) (v) Turbidity measurements prior to sampling were within a 10% RPD for all quarterly and semi-annual wells collected prior to May 30, 2012.

- Turbidity measurements were less than 5 NTU for all of the April accelerated sampling wells except MW-25 and MW-31. 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 sampled prior to May 30, 2012 were within the required RPD for the quarterly, semi-annual and accelerated sampling.

<u>Wells Sampled After May 30, 2012 under Revision 7.1 of the QAP (As corrected in Revision 7.2)</u>

Wells sampled after to May 30, 2012, include those wells which were sampled during the June monthly accelerated monitoring event and MW-20.

Based upon the review of the Field Data Sheets, MW-20 conformed to the QAP, Revision 7.1 (as corrected in 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 7.1 (as corrected in Revision 7.2) required 10% RPD. It is important to note that redox potential and turbidity were measured as well during purging and sampling. These parameters were not within 10% RPD; however, these parameters are not required to be measured or to be within 10% RPD per the approved QAP, Revision 7.2. Data from measurement of these parameters has been provided for information purposes only.

There are three purging strategies specified in Revision 7.1 (as corrected 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

All June accelerated samples used strategy number 2 described above and all June accelerated samples conformed to the QAP requirements for purging prior to sampling.

The review of the field sheets for compliance with QAP, Revision 7.1 (as corrected in 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 2 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 June accelerated sampling wells except MW-31. As previously stated, the QAP, Revision 7.1 (as corrected in Revision 7.2) 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.

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.

EFR'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, EFR has completed a monitoring well redevelopment program. The redevelopment report was submitted to DRC on September 30, 2011 (under Denison letterhead). Redevelopment results will be discussed with DRC in an effort to come to a consensus regarding turbidity considerations for the groundwater wells at the Mill site.

3.4.2 Holding Time Evaluation

QAP Table 1 (both Revision 6 and Revision 7.1/7.2) 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.

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 (all revisions of) 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.

As noted in Tab G, four groups of samples for tin analyses only were shipped without using ice. Per Table 1 in all revisions of the approved QAPs that were in effect during this sampling period, (Revisions 6, 7.1 and 7.2), samples submitted for tin analyses do not have a sample temperature requirement.

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. Samples collected prior to May 30, 2012 were checked against Table 1 of Revision 6 of the QAP, dated March 22, 2010. Samples collected after May 30, 2012, were checked against Table 1 of Revision 7.2 of the QAP, dated June 6, 2012. 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 appropriate revision of Table 1 of 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. The reporting limits are the same in all revisions of the QAP that were in effect during this quarter. 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 all revisions of the QAP state 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 except fluoride in duplicate pair MW-26/MW-65. Both of the sample results reported for MW-26/MW-65 were not five times greater than the reporting limit of 0.1 and as such the deviation from the 20% RPD requirement is acceptable. 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 all revisions of the QAP require 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 QAPs 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 QAPs.

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, EFR'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.

All revisions of 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 QAPs do not specify that the MS/MSD pair be prepared on EFR 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 QAPs to analyze a MS/MSD pair with each analytical batch was met. While the QAPs do 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 and AWAL data recoveries and RPDs which are outside the laboratory established acceptance limits do not affect the quality or usability of the data because the recoveries and RPDs above or below the acceptance limits are indicative of matrix interference. Matrix interferences are applicable to the individual sample results only. Furthermore, several of the MS/MSD samples in Work Order Numbers C12050196, C12050272, C12050443, and C12060029, 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 QAPs to analyze a MS/MSD pair with each analytical batch was met and as such the data are compliant with the QAPs.

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 samples all Work Order Numbers associated with the accelerated samples 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 QAPs to analyze a MS/MSD pair with each analytical batch was met and as such the data are compliant with the QAPs.

The QAPs specify that surrogate compounds shall be employed for all organic analyses but the QAPs do 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. 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 QAPs for surrogate recoveries. Since surrogate compounds were added to all of the organic analyses as required by the QAPs, the data are compliant with the requirements in the QAPs.

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 above the upper acceptance limit and as such indicate a high bias to the sample results associated with that LCS. It is important to note that there is no requirement in the QAPs 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 QAPs, 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 and one analyte was reported in the method blanks from EL for the accelerated 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 QAPs to analyze a method blank with each batch and evaluate the results has been completed as required.

4.0 CORRECTIVE ACTION REPORT

There are no corrective actions resulting from second quarter 2012 groundwater 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 with previous quarterly groundwater reports 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

EFR 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"), from the analytical laboratories. A copy of the transmittal e-mail is included under Tab J.

7.0 SIGNATURE AND CERTIFICATION

This document was prepared by Energy Fuels Resources (USA) Inc. (formerly Denison Mines (USA) Corp.) on August 29, 2012.

ENERGY FUELS RESOURCES (USA) INC.

By:

Harold R. Roberts
Executive Vice President and Chief Operating Officer

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.

Harold R. Roberts
Executive Vice President and Chief Operating Officer
Energy Fuels Resources (USA) Inc.

Tables

Table 1: Summary of Well Sampling for Q2 2012

Well	Normal Frequency	Purpose for sampling this quarter	Sample Date	Date of Lab Report
Routine Samples				
MW-01	Semi-annually	Semi-annually	5/1/2012	**6/27/12 (5/16/12)** [6/27/12]
MW-02	Semi-annually	Semi-annually	5/9/2012	6/14/12 (5/17/12) [6/11/12]
MW-03	Semi-annually	Semi-annually	5/14/2012	**7/31/12** (5/24/12) [6/11/12]
MW-03A	Semi-annually	Semi-annually	5/15/2012	**7/31/12** (5/24/12) [6/11/12]
MW-05	Semi-annually	Semi-annually	5/9/2012	6/14/12 (5/17/12) [6/11/12]
MW-11	Quarterly	Quarterly	5/8/2012	6/14/12 (5/17/12) [6/11/12]
MW-12	Semi-annually	Semi-annually	5/10/2012	6/14/12 (5/17/12) [6/11/12]
MW-14	Quarterly	Quarterly	5/9/2012	6/14/12 (5/17/12) [6/11/12]
MW-15	Semi-annually	Semi-annually	5/9/2012	6/14/12 (5/17/12) [6/11/12]
MW-17	Semi-annually	Semi-annually	5/4/2012	**7/31/12 (7/20/12)** [7/20/12]
MW-18	Semi-annually	Semi-annually	4/30/2012	**6/27/12 (5/16/12)** [6/27/12]
MW-19	Semi-annually	Semi-annually	5/16/2012	**7/31/12** (5/24/12) [6/11/12]
MW-20	Semi-annually	Semi-annually	6/4/2012	7/3/12 (6/15/12) [6/15/12]
MW-22	Semi-annually	Semi-annually	5/3/2012	**7/31/12 (7/20/12)** [7/20/12]
MW-23	Semi-annually	Semi-annually	5/16/2012	**7/31/12** (5/24/12) [6/11/12]
MW-24	Semi-annually	Semi-annually	5/10/2012	6/14/12 (5/17/12) [6/11/12]
MW-25	Quarterly	Quarterly	5/2/2012	**6/27/12 (5/16/12)** [6/27/12]
MW-26	Quarterly	Quarterly	5/7/2012	**7/31/12 (7/20/12)** [7/20/12]
MW-26 Resample*	Quarterly	Quarterly	6/26/2012	7/13/2012
MW-27	Semi-annually	Semi-annually	5/1/2012	**6/27/12 (5/16/12)** [6/27/12]
MW-28	Semi-annually	Semi-annually	5/8/2012	6/14/12 (5/17/12) [6/11/12]
MW-29	Semi-annually	Semi-annually	5/8/2012	6/14/12 (5/17/12) [6/11/12]
MW-30	Quarterly	Quarterly	5/2/2012	**6/27/12 (5/16/12)** [6/27/12]
MW-31	Quarterly	Quarterly	5/2/2012	**6/27/12 (5/16/12)** [6/27/12]
MW-32	Semi-annually	Semi-annually	4/30/2012	**6/27/12 (5/16/12)** [6/27/12]
MW-35	Quarterly	Background	5/2/2012	**6/27/12 (5/16/12)** [6/27/12]
MW-36	Quarterly	Background	5/8/2012	6/14/12 (5/17/12) [6/11/12]
MW-37	Quarterly	Background	5/29/2012	**6/25/12** (6/11/12) [6/11/12]
MW-65	1 per Batch	Duplicate of MW-26	5/7/2012	**7/31/12 (7/20/12)** [7/20/12]
MW-65 Resample*	1 per Batch	Duplicate of MW-26	6/26/2012	7/13/2012
MW-70	1 per Batch	Duplicate of MW-19	5/16/2012	**7/31/12** (5/24/12) [6/11/12]
Accelerated Samples				
Accelerated April Monthly				
MW-11	Monthly	Accelerated	4/10/2012	5/11/12 (4/20/12)
MW-14	Monthly	Accelerated	4/12/2012	5/11/2012 Field pH only
MW-25	Monthly	Accelerated	4/9/2012	5/11/2012
MW-26	Monthly	Accelerated	4/11/2012	5/11/2012
MW-30	Monthly	Accelerated	4/10/2012	5/11/2012
MW-31	Monthly	Accelerated	4/9/2012	5/11/2012
MW-35	Monthly	Accelerated	4/10/2012	5/11/2012
MW-65	Monthly	Duplicate of MW-35	4/10/2012	5/11/2012
Accelerated June Monthly				
MW-11	Monthly	Accelerated	6/19/2012	7/18/2012
MW-14	Monthly	Accelerated	6/19/2012	7/18/2012 Field pH only
MW-25	Monthly	Accelerated	6/18/2012	7/18/2012
MW-26	Monthly	Accelerated	6/19/2012	7/18/2012
MW-30	Monthly	Accelerated	6/18/2012	7/18/2012
MW-31	Monthly	Accelerated	6/18/2012	7/18/2012
MW-31 Resample**	Monthly	Accelerated	6/29/2012	7/6/2012
MW-35	Monthly	Accelerated	6/19/2012	7/18/2012
MW-65	1 per Batch	Duplicate of MW-11	6/19/2012	7/18/2012

Notes:

Date in parenthesis depicts the date that tetrahydrofuran was reported from American West Analytical Laboratories.

Date in brackets depicts the date the tin was reported from American West Analytical Laboratories.

Date in bold indicates that the data were resubmitted to correct errors.

* Resampled because duplicate RPD was above acceptance limits.

** Resampled due to missed holding time.

Samples were collected under the approved QAP, Revision 6.0, dated March 22, 2010.

Samples were collected under the approved QAP, Revision 7.2, dated June 6, 2012.

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 Sampling[1]							
MW-11 (Class II)	Manganese (ug/L)	131.29	134	Quarterly	Monthly	Q1 2010	May 2010
	Tetrahydrofuran (ug/L)	11.5	12	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
	Gross Alpha minus Rn & U (pCi/L)	4.69	6.4	Quarterly	Monthly	Q4 2012	Q1 2011
	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
	Chloride (mg/L)	143	145	Quarterly	Monthly	Q1 2011	May 2011
MW-35 (Class II)	Uranium (ug/L)	7.5	21.7	Quarterly	Monthly	Q3 2011	July 2011
	Thallium (ug/L)	0.5	1.14	Quarterly	Monthly	Q4 2011	July 2011
	Selenium (ug/L)	12.5	19.7	Quarterly	Monthly	Q1 2012	June 2012
	Gross Alpha minus Rn & U (pCi/L)	3.75	4.5	Quarterly	Monthly	Q3 2011	Q4 2011
	Manganese (ug/L)	200	369	Quarterly	Monthly	Q3 2011	July 2011
Semi-Annual Wells Accelerated to Quarterly Sampling[1]							
Monitoring Well (Water Class)	**Constituent Exceeding GWCL**	**GWCL in Current GWDP**	**First Result Exceeding the GWCL**	**Sample Frequency**	**Accelerated Frequency**	**Exceedance Sample Period**	**Start of Accelerated Monitoring**
MW-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
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

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
	Field pH (S.U.)	6.5 - 8.5	6.39	Semi-Annually	Quarterly	Q3 2011	Q4 2011
	TDS (mg/L)	1075	1160	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-28 (Class III)	Chloride (mg/L)	105	108	Semi-Annually	Quarterly	Q2 2010	Q3 2010
	Manganese (ug/L)	1837	1850	Semi-Annually	Quarterly	Q2 2012	Q3 2012
	Field pH (S.U.)	6.1 - 8.5	5.67	Semi-Annually	Quarterly	Q2 2010	Q3 2010
MW-29 (Class III)	Field pH (S.U.)	6.46 - 8.5	6.17	Semi-Annually	Quarterly	Q4 2010	Q2 2011
	Manganese (ug/L)	5624	6140	Semi-Annually	Quarterly	Q2 2012	Q3 2012
	TDS (mg/L)	4400	4600	Semi-Annually	Quarterly	Q2 2012	Q3 2012
	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 version of the GWDP.

* THF has not reported an exceedance since Q1 2010 and has had 24 consecutive monitoring results below the GWCL. Based on the April 25, 2012 DRC letter, accelerated monitoring of THF in MW-11 was stopped as of the June 2012 monthly event.

() Values listed in parentheses are resample results from the same sampling period. Sampled were recollected due field or laboratory problems as noted in the specific report for that sample period.

Highlighted text shows accelerated requirements resulting from Q2 2012 sampling event.

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

Table 3 – GWCL Exceedances Second Quarter 2012 under the July 14, 2011 GWDP

Q1 2010 Results					Q2 2010 Results						Q3 2010 Results						Q4 2010 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in July 14, 2011 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***
	Tetrahydrofuran (ug/L)	11.5	2/10/10	***12***	4/28/10	5.2	5/24/10	<1.0	6/16/10	<1.0	7/27/10	2.17	8/25/10	<1.0	9/8/10	<1.0		<1.0		<1.0		<1.0
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***		***1900***		***1400***
	Chloride (mg/L)	58.31		***72***		57		***80***		47		52		49		***64***		52		48		52
	Field pH (S.U.)	6.74 - 8.5		***6.59***		7.18		***6.36***		6.98		***6.45***		***6.39***		***6.60***		***6.61***		***6.49***		***6.45***
	Dichloromethane (Methylene Chloride) (ug/L)	5		1		***9.9***		NR		2.2		***12***		***24***		***45***		***5.5***		***16***		1.2
	TDS (mg/L)	3284.19		3100		3280		NS		NS		NS		NS		***3440***		NS		3140		NS
	Gross Alpha minus Rn & U (pCi/L)	4.69		2.4		0.6		NS		NS		NS		NS		2.5		NS		***6.4***		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	NS	NS		111		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		6.82		NS		NS	NS	NS	NS	NS		7.10		NS		6.64		NS
	Selenium (ug/L)	34		32		***35.3***		NS		NS	7/27/10	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		128	NS	NA	NS	NA	NS	NA	NS	NA		139	NS	NA		138		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		527	NS	NA		***539***		NS
MW-35 (Class II)	Manganese (ug/L)	200	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	11/30/10	***698***	NS	NA
	Thallium (ug/l)	0.5	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA		***1.14***	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		2.6	NS	NA
	Selenium (ug/L)	12.5	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA		ND	NS	NA
	Uranium (ug/L)	7.5	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA		***27.2***	NS	NA
Required Semi-Annual Sampling Wells																						
MW-2 (Class III)	Gross Alpha minus Rn & U (pCi/L)	3.2	NS	NA		1.2	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA	NS	NA		***3.5***	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

			Q1 2010 Results		Q2 2010 Results						Q3 2010 Results						Q4 2010 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	Q1 Sample Date	Q1 Result	Q2 Sample Date	Q2 Result	May Monthly Sample Date	May Monthly Result	June Monthly Sample Date	June Monthly Result	July Monthly Sample Date	July Monthly Result	August Monthly Sample Date	August Monthly Result	Q3 Sample Date	Q3 Result	October Monthly Sample Date	October Monthly Result	Q4 Sample Date	Q4 Result	December Monthly Sample Date	December Monthly Result
Required Semi-Annual Sampling Wells, continued																						
MW-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	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	NS	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		***1.57***	NS	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		6.64	NS	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		***42***	NS	NA		***45***	NS	NA
	Sulfate (mg/L)	462	NS	NA		***469***	NS	NA	NS	NA	NS	NA	NS	NA		461	NS	NA		452	NS	NA
	Field pH (S.U.)	6.5-8.5	NS	NA		6.78	NS	NA	NS	NA	NS	NA	NS	NA		7.68	NS	NA		6.89	NS	NA
	TDS (mg/L)	1075	NS	NA		***1160***	NS	NA	NS	NA	NS	NA	NS	NA		1060	NS	NA		***1110***	NS	NA
	Gross Alpha minus Rn & U (pCi/L)	2	NS	NA		1.6	NS	NA	NS	NA	NS	NA	NS	NA		NA	NS	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		NA	NS	NA		1510	NS	NA
	Field pH (S.U.)	6.1 - 8.5	NS	NA		***5.67***	NS	NA	NS	NA	NS	NA	NS	NA		***5.91***	NS	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		4890	NS	NA
	TDS (mg/L)	4400	NS	NA		4400	NS	NA	NS	NA	NS	NA	NS	NA			NS	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		***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		***6.33***	NS	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 frquency of quarterly. These samples were inadvertantly collected and are for information only.

Table 3 – GWCL Exceedances for Second Quarter 2012 under the July 14, 2011 GWDP

			Q1 2011 Results						Q2 2011 Results						Q3 2011 Results						Q4 2011 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in July 14, 2011 GWDP	January 2011 Monthly Sample Date	January 2011 Monthly Sample Result	Q1 2011 Sample Date	Q1 2011 Result	March 2011 Monthly Sample Date	March 2011 Monthly Result	Q2 2011 Sample Date	Q2 2011 Result	May 2011 Monthly Sample Date	May 2011 Monthly Result	June 2011 Monthly Sample Date	June 2011 Monthly Result	July 2011 Monthly Sample Date	July 2011 Monthly Result	Q3 2011 Sample Date	Q3 2011 Result	September 2011 Monthly Sample Date	September 2011 Monthly Result	Q4 2011 Sample Date	Q4 2011 Result	November 2011 Monthly Sample Date	November 2011 Monthly Result	December 2011 Monthly Sample Date	December 2011 Monthly Result
Required Quarterly Sampling Wells																										
MW-11 (Class II)	Manganese (ug/L)	131.29	1/11/11	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
	Tetrahydrofuran (ug/L)	11.5		<1.0		<1.0		<1.0		<1.0		<1.0	6/20/2011	<1.0		<1.0		<1.0		<1.0		<1.0		<1.0		<1.0
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	1212/2011	6.87
	Uranium	6.5		***7.02***		4.77		***6.8***		5.56		***6.72***		***7.06***		***6.74***	8/3/2011	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
	Gross Alpha minus Rn & U (pCi/L)	4.69		NS		3		2.7		3.3		3.9		4.3		2.8		2.7		2.5		2.2		NS		NS
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		***134***		NS		***134***		128		127		127		126		***145***		***129***		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		***9.83***		NS		NS
	Selenium (ug/L)	34		***36.2***		***34.7***		***34***		***44.4***		***38.3***		***38.7***		32.4		***39.7***		32.4		***36.6***		***36.8***		***38***
MW-31 (Class III)	Nitrate + Nitrite (as N) (mg/L)	5	1/10/11	***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		1290		***1330***
	Chloride (mg/L)	143		NS		***145***		NS		143		143		***145***		***148***		***148***		***148***		***145***		***145***		***148***
	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	***270***	10/3/11	***271***	11/8/2011	***283***	12/14/11	***247***
	Thallium (ug/l)	0.5	NS	NA		< 0.50	NS	NA		< 0.50	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		***4.5***		NS		***4.4***		***4.7***		***4.2***
	Selenium (ug/L)	12.5	NS	NA		ND	NS	NA		ND	NS	NA	NS	NA		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***		***18.3***		***22.3***		***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	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	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	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	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***	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	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

			Q1 2011 Results						Q2 2011 Results						Q3 2011 Results						Q4 2011 Results					
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	January 2011 Monthly Sample Date	January 2011 Monthly Sample Result	Q1 2011 Sample Date	Q1 2011 Result	March 2011 Monthly Sample Date	March 2011 Monthly Sample 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	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	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		<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		***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		***43***	NS	NA		***44***	NS	NA	NS	NA
	Sulfate (mg/L)	462	NS	NA		455	NS	NA		442	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		***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		***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		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		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		***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		4800	NS	NA	NS	NA
	TDS (mg/L)	4400	NS	NA	NS	NA	NS	NA		4080	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		***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		***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 frquency of quarterly. These samples were inadvertantly collected and are for information only.

Table 3 – GWCL Exceedances for Second Quarter 2012 under the July 14, 2011 GWDP

			Q1 2012 Results						Q2 2012 Results						
Monitoring Well (Water Class)	**Constituent Exceeding GWCL**	**GWCL in July 14, 2011 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**	**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	Quarterly
	Tetrahydrofuran (ug/L)	11.5		<1.0		2.51		<1.0		<1.0		<1.0		NA	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	Quarterly
	Field pH (S.U.)	6.5 - 8.5		***6.36***		6.57		6.51		6.97		6.73		6.90	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	Quarterly
	Uranium	6.5		***6.6***		6.5		***6.93***		***6.52***		5.90		***7.6***	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***	Quarterly
	Uranium (ug/L)	41.8		***64.6***	2/21/2012	***59.4***		31.2		***42.2***		18.2		***66.0***	Quarterly
	Chloroform (ug/L)	70		***1900***	2/15/2012	***3300***		***2900***		***2900***		***1700***		***2400***	Quarterly
	Chloride (mg/L)	58.31		***68***		40		***74***		***82***		***74***		***85***	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)		7.00	Quarterly
	Dichloromethane (Methylene Chloride) (ug/L)	5		***13***	2/15/2012	***24***		***27***		***20***		***10***		***16***	Quarterly
	TDS (mg/L)	3284.19		3250		3150		3220		3140		3240		3200	Quarterly
	Gross Alpha minus Rn & U (pCi/L)	4.69	NS	NA	2/21/2012	1.5		4		2.3		3.1		NA	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	***15.0***	Quarterly
	Chloride (mg/L)	128		124		126		128		128		124		***131***	Quarterly
	Field pH (S.U.)	6.5 - 8.5		6.52		7.12		6.86		7.66		6.95		7.10	Quarterly
	Uranium (ug/L)	8.32	NS	NA		7.42		***8.38***		7.84		6.81		7.8	Quarterly
	Selenium (ug/L)	34	1/24/2012	33.3		***35***		***39.5***		***39.1***		32.3		***37***	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***	Quarterly
	TDS (mg/L)	1320		***1360***		1240		***1400***		***1380***		***1410***		***1460***	Quarterly
	Chloride (mg/L)	143		***155***		***150***		***152***		***160***		***151***		138	Quarterly
	Field pH (S.U.)	6.5 - 8.5		6.78		7.37		7.13		7.14		7.19		7.28 7.63	Quarterly
	Sulfate (mg/L)	532		***539***		***538***		517		***547***		532		497	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***	Quarterly
	Thallium (ug/l)	0.5		< 0.50		***0.65***		***0.71***		***0.59***		***0.66***		< 0.50	Quarterly
	Gross Alpha minus Rn & U (pCi/L)	3.75		***6.5***		***4.1***		***6.2***		***4.1***		***4.5***		***4.9***	Quarterly
	Selenium (ug/L)	12.5	NS	NA		***19.7***	NS	NA		NS		11.4		7.0	Quarterly
	Uranium (ug/L)	7.5	1/24/2012	***16.1***		***24.7***	3/13/12	***24.9***		***22.4***		***22.2***		***22.5***	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	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	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5	NS	NA		6.63	NS	NA	NS	NA		6.67	NS	NA	Semi-Annually
	Fluoride (Mg/L)	0.68	NS	NA		***0.86***	NS	NA	NS	NA		***1.04***	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	Semi-Annually
	Sulfate (mg/L)	3640	NS	NA		3020	NS	NA	NS	NA		3220	NS	NA	Semi-Annually
	TDS (mg/L)	5805	NS	NA		5690	NS	NA	NS	NA		5730	NS	NA	Semi-Annually
	Selenium (ug/L)	89	NS	NA		65.8	NS	NA	NS	NA		85.1	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	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	Semi-Annually
	Selenium (ug/L)	25	NS	NA		***27.2***	NS	NA	NS	NA		19.6	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	Semi-Annually
	Iron (ug/L)	81.7	NS	NA		< 30	NS	NA	NS	NA		< 30	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	Semi-Annually
	Sulfate (mg/L)	1938.9	NS	NA		1920	NS	NA	NS	NA		1790	NS	NA	Semi-Annually
	Field pH (S.U.)	6.25-8.5	NS	NA		6.6	NS	NA	NS	NA		6.59	NS	NA	Semi-Annually
	TDS (mg/L)	3198.77	NS	NA		***3230***	NS	NA	NS	NA		***3280***	NS	NA	Semi-Annually

Q1 2012 Results															
Monitoring Well (Water Class)	Constituent Exceeding GWCL	GWCL in Current GWDP	January 2012 Monthly Sample Date	January 2012 Monthly Result	Q1 2012 Sample Date	Q1 2012 Result	March 2012 Monthly Sample Date	March 2012 Monthly Result	April 2012 Monthly Sample Date	April 2012 Monthly Result	Q2 2012 Sample Date	Q2 2012 Result	June 2012 Monthly Sample Date	June 2012 Monthly Result	Sample Frequency
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	Semi-Annually
	Nitrate + Nitrite (as N) (mg/L)	2.83	NS	NA		***3.9***	NS	NA	NS	NA		***3.7***	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	Semi-Annually
	Manganese (ug/L)	550	NS	NA		51	NS	NA	NS	NA		49	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	Semi-Annually
	Thallium (ug/L)	1	NS	NA		0.96	NS	NA	NS	NA		0.74	NS	NA	Semi-Annually
	Field pH (S.U.)	6.5 - 8.5	NS	NA		***6.03***	NS	NA	NS	NA		***6.21***	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	Semi-Annually
	Chloride (mg/L)	38	NS	NA		***45***	NS	NA	NS	NA		***46***	NS	NA	Semi-Annually
	Sulfate (mg/L)	462	NS	NA		451	NS	NA	NS	NA		446	NS	NA	Semi-Annually
	Field pH (S.U.)	6.5-8.5	NS	NA		7.24	NS	NA	NS	NA		7.03	NS	NA	Semi-Annually
	TDS (mg/L)	1075	NS	NA		***1140***	NS	NA	NS	NA		***1170***	NS	NA	Semi-Annually
	Gross Alpha minus Rn & U (pCi/L)	2	NS	NA		***2.3***	NS	NA	NS	NA		0.8	NS	NA	Semi-Annually
MW-28 (Class III)	Chloride (mg/L)	105	NS	NA	2/28/2012	***109***	NS	NA	NS	NA	5/8/2012	***114***	NS	NA	Semi-Annually
	Manganese (ug/L)	1837	NS	NA		NA	NS	NA	NS	NA		***1850***	NS	NA	Semi-Annually
	Field pH (S.U.)	6.1 - 8.5	NS	NA		6.22	NS	NA	NS	NA		6.15	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	Semi-Annually
	Manganese (ug/L)	5624	NS	NA		NA	NS	NA	NS	NA		***6140***	NS	NA	Semi-Annually
	TDS (mg/L)	4400	NS	NA		NA	NS	NA	NS	NA		***4600***	NS	NA	Semi-Annually
	Field pH (S.U.)	6.46 - 8.5	NS	NA		7.12	NS	NA	NS	NA		6.47	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	Semi-Annually
	Field pH (S.U.)	6.4 - 8.5	NS	NA		6.57	NS	NA	NS	NA		6.40	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 October 26, 2011 DRC letter, gross alpha monitoring in MW-26 returned to the routine frquency of quarterly. These samples were inadvertantly collected and are for information only.

NA = Pursuant to the April 16, 2012 DRC letter, THF monitoring in MW-11 returned to the routine frequency of quarterly.

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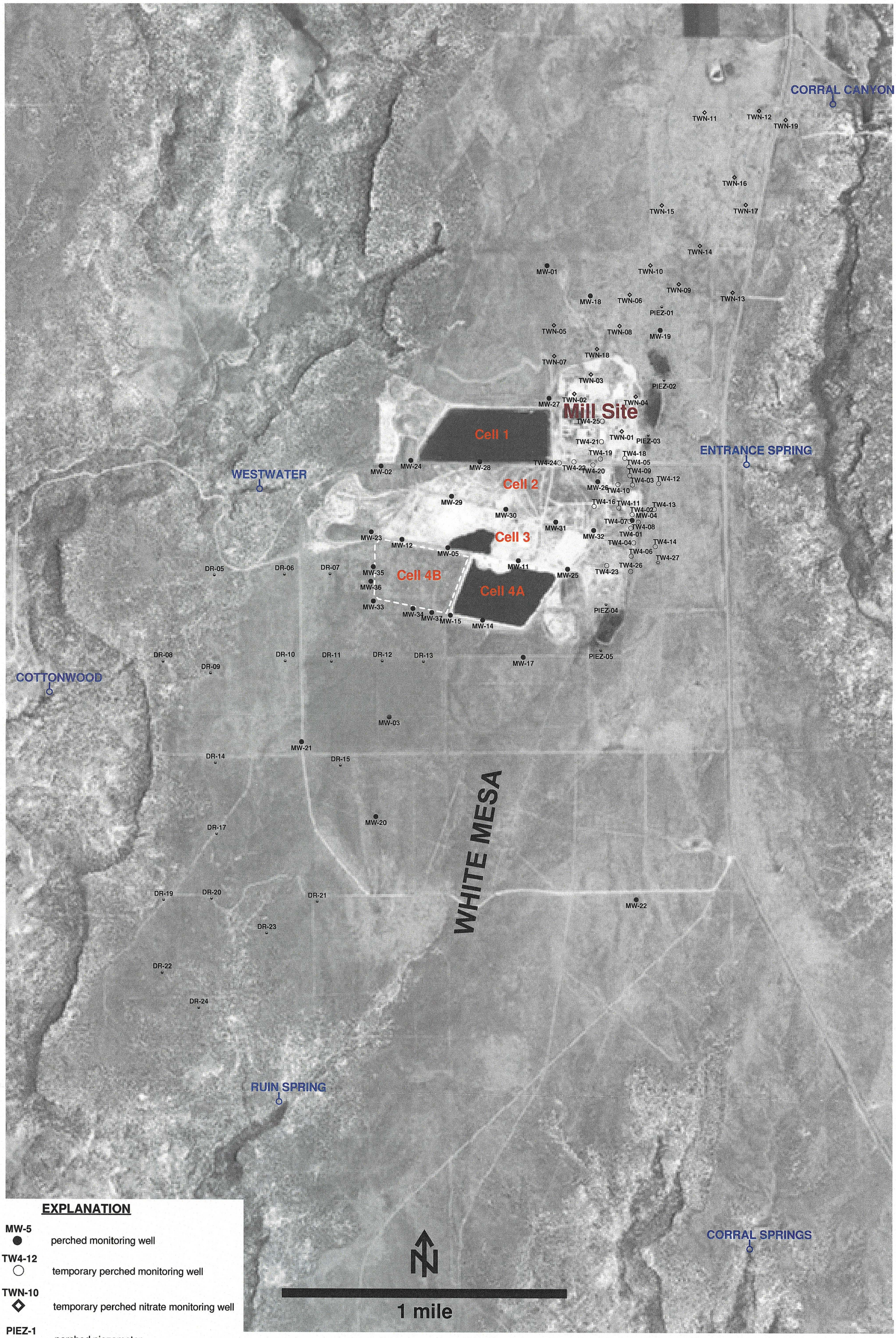
Tab A

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

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

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-01

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/1/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-32

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 118.00

Depth to Water Before Purging: 64.58

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 0 (.367h)
19.60

Conductance (avg): 18.18

pH of Water (avg): 7.20

Well Water Temp. (avg): 14.31

Redox Potential (Eh): 175

Turbidity: 5.5

Weather Cond.: Partly Cloudy

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

Time	0940	Gal. Purged	39.06
Conductance	1815	pH	7.21
Temp. °C	14.33		
Redox Potential Eh (mV)	177		
Turbidity (NTU)	5.4		

Time	0941	Gal. Purged	39.27
Conductance	1820	pH	7.20
Temp. °C	14.31		
Redox Potential Eh (mV)	177		
Turbidity (NTU)	5.5		

Time	0942	Gal. Purged	39.49
Conductance	1818	pH	7.20
Temp. °C	14.32		
Redox Potential Eh (mV)	174		
Turbidity (NTU)	5.5		

Time	0943	Gal. Purged	39.71
Conductance	1820	pH	7.19
Temp. °C	14.31		
Redox Potential Eh (mV)	172		
Turbidity (NTU)	5.5		

Volume of Water Purged: 40.14 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 180.69

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 0630. Tanner and Garrin present for purge and sampling event. Purge began at 0640. Purged well for a total of 185 minutes. water was clear. Purge ended and samples collected at 0945. Depth to water was 99.73 Left site at 0955

MW-01 05-01-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment I
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-02

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/9/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-14

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 128.80

Depth to Water Before Purging: 110.00

Casing Volume (V) 4" Well: 12.27 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3660

pH of Water (avg): 7.11

Well Water Temp. (avg): 14.40

Redox Potential (Eh): 403

Turbidity: 0

Weather Cond.: Clear

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

Time	0840	Gal. Purged	24.95
Conductance	3653	pH	7.11
Temp. °C	14.58		
Redox Potential Eh (mV)	410		
Turbidity (NTU)	0		

Time	0841	Gal. Purged	25.17
Conductance	3640	pH	7.12
Temp. °C	14.33		
Redox Potential Eh (mV)	403		
Turbidity (NTU)	0		

Time	0842	Gal. Purged	25.38
Conductance	3670	pH	7.12
Temp. °C	14.35		
Redox Potential Eh (mV)	401		
Turbidity (NTU)	0		

Time	0843	Gal. Purged	25.60
Conductance	3680	pH	7.11
Temp. °C	14.37		
Redox Potential Eh (mV)	398		
Turbidity (NTU)	0		

83.2928.0.6 - GW-QAP rev6 11302010 - Copy2 / Template-[947] - Printed 4/20/2012 3:34 PM from DMCUSER0010

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Volume of Water Purged: 26.04 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 113.08

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL : set of VOCs

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

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

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 120 minutes, water was clear. Purge ended and samples collected at 0845. Depth to water was 119.02. Left site at 1455.

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DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-03

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/14/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

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

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 97.00

Depth to Water Before Purging: 83.40

Casing Volume (V) 4" Well: 0 (.653h)
3" Well: 4.99 (.367h)

Conductance (avg): 5648

pH of Water (avg): 6.70

Well Water Temp. (avg): 15.32

Redox Potential (Eh): 407

Turbidity: 0

Weather Cond.: Sunny

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

Time	1425	Gal. Purged	9.36
Conductance	5653	pH	6.78
Temp. °C	15.38		
Redox Potential Eh (mV)	417		
Turbidity (NTU)	0		

Time	1426	Gal. Purged	9.56
Conductance	5655	pH	6.70
Temp. °C	15.29		
Redox Potential Eh (mV)	406		
Turbidity (NTU)	0		

Time	1427	Gal. Purged	9.77
Conductance	5634	pH	6.67
Temp. °C	15.32		
Redox Potential Eh (mV)	405		
Turbidity (NTU)	0		

Time	1428	Gal. Purged	9.98
Conductance	5652	pH	6.67
Temp. °C	15.31		
Redox Potential Eh (mV)	401		
Turbidity (NTU)	0		

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Volume of Water Purged: 10.40 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 47.99

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 1239. Tanner and Garrin present for purge and sampling event. Purge began at 1340. Purged well for a total of 50 minutes. water was clear. Purge ended and samples collected at 1430. Depth to water was 87.75 Left site at ~~877~~ 1439

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DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-3A

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/14/2012 MW-03A and Sampling (if different): 5/15/2012

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

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual 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): 95.00

Depth to Water Before Purging: 85.40

Casing Volume (V) 4" Well: 6.26 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 5927

pH of Water (avg): 6.68

Well Water Temp. (avg): 19.21

Redox Potential (Eh): 434

Turbidity: 0

Weather Cond.: Sunny

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

Time	1335	Gal. Purged	10.4
Conductance	5927	pH	6.68
Temp. °C	19.21		
Redox Potential Eh (mV)	434		
Turbidity (NTU)	0		

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

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

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

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Volume of Water Purged [10.40] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [60.27]

Number of casing volumes evacuated (if other than two) [1.66]

If well evacuated to dryness, number of gallons evacuated [10.40]

Name of Certified Analytical Laboratory if Other Than Energy Lab [AWAL 1 set of VOCs]

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

General Inorganics

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

See instruction

Comment

Arrived on site at 1239. Tanner and Garrin present for purge. Purge began at 1245. Purged well for a total of 50 minutes. Purged well dry! water was clear. Purge ended at 1335. Left site at 1439
Arrived on site at 0955. Tanner and Garrin present to collect samples. Depth to water was 88.43 Samples collected at 1000. Left site at 1012

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DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-05

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/9/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-15

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 138.50

Depth to Water Before Purging: 106.58

Casing Volume (V) 4" Well: 20.84 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 2973

pH of Water (avg): 7.38

Well Water Temp. (avg): 15.93

Redox Potential (Eh): 146

Turbidity: 0

Weather Cond.: Sunny

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

Time	1445	Gal. Purged	42.31
Conductance	2974	pH	7.39
Temp. °C	15.97		
Redox Potential Eh (mV)	153		
Turbidity (NTU)	0		

Time	1446	Gal. Purged	42.53
Conductance	2971	pH	7.38
Temp. °C	15.96		
Redox Potential Eh (mV)	147		
Turbidity (NTU)	0		

Time	1447	Gal. Purged	42.74
Conductance	2977	pH	7.38
Temp. °C	15.95		
Redox Potential Eh (mV)	145		
Turbidity (NTU)	0		

Time	1448	Gal. Purged	42.96
Conductance	2967	pH	7.38
Temp. °C	15.87		
Redox Potential Eh (mV)	142		
Turbidity (NTU)	0		

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Volume of Water Purged: 43.40 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 192.10

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 1120. Tanner and Garrin present for purge and sampling event. Purge began at 1130. Purged well for a total of 200 minutes. water was clear. Purge ended and samples collected at 1450. Depth to water was 124.20 Left site at 1500

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DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground water 2012

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/8/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-29

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 88.30

Casing Volume (V) 4" Well: 27.23 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 2858

pH of Water (avg): 7.51

Well Water Temp. (avg): 15.00

Redox Potential (Eh): 100

Turbidity: 0

Weather Cond.: Sunny

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

Time	1435	Gal. Purged	55.33
Conductance	2854	pH	7.56
Temp. °C	15.03		
Redox Potential Eh (mV)	102		
Turbidity (NTU)	0		

Time	1436	Gal. Purged	55.55
Conductance	2857	pH	7.49
Temp. °C	15.00		
Redox Potential Eh (mV)	101		
Turbidity (NTU)	0		

Time	1437	Gal. Purged	55.76
Conductance	2860	pH	7.50
Temp. °C	15.00		
Redox Potential Eh (mV)	100		
Turbidity (NTU)	0		

Time	1438	Gal. Purged	55.98
Conductance	2862	pH	7.49
Temp. °C	15.00		
Redox Potential Eh (mV)	99		
Turbidity (NTU)	0		

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Volume of Water Purged: 56.42 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 250.96

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at ~~et~~ 1015. Tanner and Garrin ~~were~~ present for purge and sampling event. Purge began at 1020. Purged well for a total of 260 minutes water was clear. Purge ended and samples collected at 1440. Depth to water was 88.40 left site at 1451

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DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-12

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/9/2012 and Sampling (if different): 5/10/2012

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

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-02

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 130.40

Depth to Water Before Purging: 108.75

Casing Volume (V) 4" Well: 14.15 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 4179

pH of Water (avg): 6.91

Well Water Temp. (avg): 15.61

Redox Potential (Eh): 377

Turbidity: 16.0

Weather Cond.: Sunny

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

Time	1115	Gal. Purged	28.21
Conductance	4179	pH	6.91
Temp. °C	15.61		
Redox Potential Eh (mV)	377		
Turbidity (NTU)	16.0		

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

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

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

03.2939.0.10 - GW-QAP rev6 11302010 - Copy2 / Template-[9x5] - Printed 4/20/2012 3:24 PM from DNGUSER0036

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Volume of Water Purged: 28.21 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 130.47

Number of casing volumes evacuated (if other than two): 1.99

If well evacuated to dryness, number of gallons evacuated: 28.21

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 0856. Tanner and Garrin present for purge. Purge began at 0900. Purged well for a total of 130 minutes. Purged well dry! water was a little discolored. Purge ended at 1115. Left site at 1115
Arrived on site at 0653 Tanner and Garrin present to collect samples. Depth to water was @ 114.15 Samples collected at 0700 Left site at 0711

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DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/9/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-20

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging: 104.63

Casing Volume (V) 4" Well: 15.71 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3920

pH of Water (avg): 6.73

Well Water Temp. (avg): 14.59

Redox Potential (Eh): 404

Turbidity: 0

Weather Cond.: Clear

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

Time	0915	Gal. Purged	35.80
Conductance	3921	pH	6.73
Temp. °C	14.55		
Redox Potential Eh (mV)	411		
Turbidity (NTU)	0		

Time	0916	Gal. Purged	36.02
Conductance	3920	pH	6.73
Temp. °C	14.60		
Redox Potential Eh (mV)	405		
Turbidity (NTU)	0		

Time	0917	Gal. Purged	36.23
Conductance	3920	pH	6.73
Temp. °C	14.62		
Redox Potential Eh (mV)	403		
Turbidity (NTU)	0		

Time	0918	Gal. Purged	36.45
Conductance	3920	pH	6.73
Temp. °C	14.60		
Redox Potential Eh (mV)	398		
Turbidity (NTU)	0		

03.2020.0.8 - GW-QAP revs 11302010 - Copy2 / Template [948] - Printed 4/20/2012 3:34 PM from DMCSDATA020

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Volume of Water Purged: 36.89 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 144.86

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL , 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 0625. Tanner and Garrin present for purge and sampling event. Purge began at 0630. Purged well for a total of 170 minutes. water was clear. Purge ended and samples collected at 0920. Depth to water was ~~116.07~~ 106.01
Left site at 0930

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DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-15

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/9/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-12

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 137.00

Depth to Water Before Purging: 106.70

Casing Volume (V) 4" Well: 19.78 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3939

pH of Water (avg): 6.63

Well Water Temp. (avg): 15.53

Redox Potential (Eh): 314

Turbidity: 0

Weather Cond.: Sunny

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

Time	1240	Gal. Purged	~~42.31~~ 40.14
Conductance	3230	pH	6.63
Temp. °C	15.5		
Redox Potential Eh (mV)	355		
Turbidity (NTU)	0		

Time	1241	Gal. Purged	~~42.53~~ 40.36
Conductance	[redacted] 4001	pH	6.65
Temp. °C	15.53		
Redox Potential Eh (mV)	307		
Turbidity (NTU)	0		

Time	1242	Gal. Purged	~~42.79~~ 40.57
Conductance	4259	pH	6.64
Temp. °C	15.61		
Redox Potential Eh (mV)	299		
Turbidity (NTU)	0		

Time	1243	Gal. Purged	~~42.96~~ 40.79
Conductance	4266	pH	6.63
Temp. °C	15.49		
Redox Potential Eh (mV)	298		
Turbidity (NTU)	0		

03.2029.0.0 - GW-QAP Revs 11302010 - Copy2 / Template-[944] - Printed 4/20/2012 3:14 PM from DMCUSER0038

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Volume of Water Purged: 41.23 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 182.35

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 0931. Tanner and Garrin present for purge and sampling event. Purge began at 0935. Purged well for a total of 190 minutes. water was clear. Purge ended and samples collected at 1245. Left site at 1255

Depth to water was 109.45

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DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-17

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/4/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-35

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 112.00

Depth to Water Before Purging: 75.50

Casing Volume (V) 4" Well: 23.83 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 4205

pH of Water (avg): 6.88

Well Water Temp. (avg): 14.88

Redox Potential (Eh): 309

Turbidity: 11.5

Weather Cond.: Sunny

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

Time	1020	Gal. Purged	46.65
Conductance	4205	pH	6.89
Temp. °C	14.90		
Redox Potential Eh (mV)	317		
Turbidity (NTU)	11.4		

Time	1021	Gal. Purged	46.87
Conductance	4206	pH	6.88
Temp. °C	14.91		
Redox Potential Eh (mV)	310		
Turbidity (NTU)	11.5		

Time	1022	Gal. Purged	47.08
Conductance	4207	pH	6.89
Temp. °C	14.87		
Redox Potential Eh (mV)	308		
Turbidity (NTU)	11.6		

Time	1023	Gal. Purged	47.30
Conductance	4204	pH	6.89
Temp. °C	14.85		
Redox Potential Eh (mV)	304		
Turbidity (NTU)	11.6		

Volume of Water Purged: 47.74 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 219.67

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 0639. Tanner and Garrin present for purge and sampling event. Purge began at 0645. Purged well for a total of 220 minutes. water was mostly clear. Purge ended and samples were collected at 1025. Depth to water was 87.78 Left site at 1035

MW-17 05-04-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-18

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 4/30/2012 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: N/A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 134.00

Depth to Water Before Purging: 70.85

Casing Volume (V) 4" Well: 41.23 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3477

pH of Water (avg): 6.59

Well Water Temp. (avg): 14.93

Redox Potential (Eh): 342

Turbidity: 0

Weather Cond.: Sunny

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

Time	1450	Gal. Purged	82.46
Conductance	3473	pH	6.61
Temp. °C	14.91		
Redox Potential Eh (mV)	355		
Turbidity (NTU)	0		

Time	1451	Gal. Purged	82.67
Conductance	3490	pH	6.60
Temp. °C	14.94		
Redox Potential Eh (mV)	348		
Turbidity (NTU)	6		

Time	1452	Gal. Purged	82.89
Conductance	3472	pH	6.59
Temp. °C	14.95		
Redox Potential Eh (mV)	336		
Turbidity (NTU)	0		

Time	1453	Gal. Purged	83.11
Conductance	3473	pH	6.59
Temp. °C	14.95		
Redox Potential Eh (mV)	329		
Turbidity (NTU)	0		

Volume of Water Purged: 83.54 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 380.06

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 0824. Tanner and Garrin present for purge and sampling event. Purge ~~began~~ began at 0830. Purged well for a total of 385 minutes Purge ended and samples were collected at 1455. water was clear Depth to water was 71.04 Left site at 1506

MW-18 04-30-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-19

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/15/2012 and Sampling (if different): 5/16/2012

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-37

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 149.00

Depth to Water Before Purging: 53.50

Casing Volume (V) 4" Well: 62.36 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 1785

pH of Water (avg): 6.84

Well Water Temp. (avg): 14.97

Redox Potential (Eh): 379

Turbidity: 3.45

Weather Cond.: Clear

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

Time	0855	Gal. Purged	129.11
Conductance	1785	pH	6.81
Temp. °C	14.96		
Redox Potential Eh (mV)	389		
Turbidity (NTU)	5.6		

Time	0856	Gal. Purged	129.33
Conductance	1781	pH	6.84
Temp. °C	14.97		
Redox Potential Eh (mV)	382		
Turbidity (NTU)	2.8		

Time	0857	Gal. Purged	129.54
Conductance	1788	pH	6.85
Temp. °C	14.99		
Redox Potential Eh (mV)	377		
Turbidity (NTU)	2.7		

Time	0858	Gal. Purged	129.76
Conductance	1786	pH	6.86
Temp. °C	14.97		
Redox Potential Eh (mV)	370		
Turbidity (NTU)	2.7		

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Volume of Water Purged: 130.20 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 574.76

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 2254. Tanner present to start purge. Purge began at 2300. Purged well through the night. Purged well for a total of 600 minutes water was mostly clear. Purge ended and samples collected at 0900. Depth to water was 64.13 Left site at 0923.

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03.2929.0.13 - QW-QAP rev4 11302010

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DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-20

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 5/8/2012 and Sampling (if different) ~~5/8/2012~~ 6/4/2012 6/4/2012

Well Purging Equip Used: ☐ pump or ☒ bailer

Well Pump (if other than Bennet) N/A

Sampling Event Semiannual GW

Prev. Well Sampled in Sampling Event MW-11

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 91.00

Depth to Water Before Purging: 83.22

Casing Volume (V) 4" Well: 5.08 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 6560

pH of Water (avg): 7.62

Well Water Temp. (avg): 15.51

Redox Potential (Eh): 290

Turbidity: 488

Weather Cond.: Sunny

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

Time	5 1305	Gal. Purged	5
Conductance	6560	pH	7.62
Temp. °C	15.51		
Redox Potential Eh (mV)	290		
Turbidity (NTU)	488		

6/4/2012

Time	1234	Gal. Purged	
Conductance	6133	pH	8.27
Temp. °C	17.50		
Redox Potential Eh (mV)	296		
Turbidity (NTU)	4.3		

Time	10 1250	Gal. Purged	
Conductance	6193	pH	9.07
Temp. °C	17.91		
Redox Potential Eh (mV)	234		
Turbidity (NTU)	355		

6/4/2012

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

83.2929.0.4 - GW-QAP rev6 11302010 - Copy2 / Template-[946] - Printed 4/20/2012 3:34 PM from DMCUSER0038

Volume of Water Purged: 9 gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two): 1.77

If well evacuated to dryness, number of gallons evacuated: 9

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 1256. Tanner and Garrin present to bail MW-20. Bailing started at 1300. Bailed 5 Gallons and took parameters out of bucket. Bailed a total of 9 Gallons. Bailed well dry! water was dirty. Left site at 1315.
Arrived on site at 1227. Tanner present to collect samples. Depth to water was 88.20
Samples were bailed at ~~1135~~ 1235. Left site at 1248

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DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-22

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/3/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-17

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 114.00

Depth to Water Before Purging: 67.73

Casing Volume (V) 4" Well: 30.21 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 7551

pH of Water (avg): 5.05

Well Water Temp. (avg): 15.51

Redox Potential (Eh): 403

Turbidity: 15.1

Weather Cond.: Sunny

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

Time	1220	Gal. Purged	60.76
Conductance	7531	pH	5.05
Temp. °C	15.54		
Redox Potential Eh (mV)	413		
Turbidity (NTU)	15.0		

Time	1221	Gal. Purged	60.97
Conductance	7559	pH	5.05
Temp. °C	15.55		
Redox Potential Eh (mV)	404		
Turbidity (NTU)	15.1		

Time	1222	Gal. Purged	61.19
Conductance	7564	pH	5.05
Temp. °C	15.49		
Redox Potential Eh (mV)	401		
Turbidity (NTU)	15.2		

Time	1223	Gal. Purged	61.41
Conductance	7550	pH	5.05
Temp. °C	15.49		
Redox Potential Eh (mV)	394		
Turbidity (NTU)	15.2		

Volume of Water Purged: 61.84 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 278.47

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 0735. Tanner and Garrin present for purge and sampling event. Purge began at 0740. Purged well for a total of 285 minutes. water was mostly clear. Purge ended and samples collected at 1225. Depth to water was 95.79 Left site at 1237

MW-22 05-03-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1

See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-23

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/8/2012 and Sampling (if different): 5/16/2012

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-36

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 132.00

Depth to Water Before Purging: 119.20

Casing Volume (V) 4" Well: 11.62 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3849

pH of Water (avg): 6.74

Well Water Temp. (avg): 16.31

Redox Potential (Eh): 295

Turbidity: 10.8

Weather Cond.: Sunny

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

Time	1005	Gal. Purged	22.78
Conductance	3849	pH	6.74
Temp. °C	16.31		
Redox Potential Eh (mV)	295		
Turbidity (NTU)	10.8		

Time	1006	Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	1007	Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

Time	1008	Gal. Purged	
Conductance		pH	
Temp. °C			
Redox Potential Eh (mV)			
Turbidity (NTU)			

03 2867.16.2 - GW-QAP Rev6 11302010 - Copy2 / Template-(930) - Printed 4/20/2012 3:20 PM from DMCUSER038

Volume of Water Purged 23.87 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 107.12

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

If well evacuated to dryness, number of gallons evacuated 23.87

Name of Certified Analytical Laboratory if Other Than Energy Lab AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 0811. Tanner and Garrin present for purge. Purge began at 0820. Purged well for a total of 110 minutes. Purged well dry! Flow rate decreased until well ran dry. Purge ended at 1010. Left site at 1011

Arrived on site at 1025. Tanner and Garrin present to collect samples. Depth to water was 122.82. Samples collected at 1030. Left site at 1044

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DENISON MINES

Attachment 1

See instruction

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-24

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 5/9/2012 and Sampling (if different) 5/10/2012

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

Well Pump (if other than Bennet) QED

Sampling Event Semiannual GW

Prev. Well Sampled in Sampling Event MW-05

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 120.00

Depth to Water Before Purging 114.60

Casing Volume (V) 4" Well: 3.52 (.653h) 3" Well: 0 (.367h)

Conductance (avg) 4411

pH of Water (avg) 6.21

Well Water Temp. (avg) 20.06

Redox Potential (Eh) 298

Turbidity 1.3

Weather Cond. Sunny

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

Time	1345
Gal. Purged	7.68
Conductance	4411
pH	6.21
Temp. °C	20.06
Redox Potential Eh (mV)	298
Turbidity (NTU)	1.3

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

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

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

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Volume of Water Purged: 7.68 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 36.73

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 1300. Tanner and Garrin present for purge. Purge began at 1305. Purged well for a total of 40 minutes. Through out purge flow rate decreased until well ran dry. Purge ended at 1345. Left site at 1346
Arrived on site at 0626. Tanner and Garrin present to collect samples. Depth to water was 114.58 samples were collected at 0630. Left site at 0648

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DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter GroundWater 2012

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/2/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-31

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 74.40

Casing Volume (V) 4" Well: 26.51 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3224

pH of Water (avg): 6.73

Well Water Temp. (avg): 14.91

Redox Potential (Eh): 374

Turbidity: 3.6

Weather Cond.: Partly Cloudy

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

Time	1045	Gal. Purged	53.16
Conductance	3221	pH	6.73
Temp. °C	14.91		
Redox Potential Eh (mV)	381		
Turbidity (NTU)	3.7		

Time	1046	Gal. Purged	53.38
Conductance	3224	pH	6.73
Temp. °C	14.91		
Redox Potential Eh (mV)	377		
Turbidity (NTU)	3.6		

Time	1047	Gal. Purged	53.59
Conductance	3233	pH	6.73
Temp. °C	14.91		
Redox Potential Eh (mV)	373		
Turbidity (NTU)	3.6		

Time	1048	Gal. Purged	53.81
Conductance	3220	pH	6.73
Temp. °C	14.91		
Redox Potential Eh (mV)	365		
Turbidity (NTU)	3.7		

Volume of Water Purged [54.25] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [244.34]

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab [AWAL 1 set of VOCs]

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

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

See instruction

Comment

Arrived on site at 0636. Tanner and Garrin present for purge and sampling event. Purge began at 0640. Purged well for a total of 250 minutes. water was clear. Purge ended and samples collected at 1050. Depth to water was 75.65 Left site at 1102

MW-25 05-02-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/7/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-22

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 80.60

Casing Volume (V) 4" Well: 26.59 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3428

pH of Water (avg): 7.00

Well Water Temp. (avg): 15.26

Redox Potential (Eh): 208

Turbidity: 15.1

Weather Cond.: Clear

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

Time	0644	Gal. Purged	10.5
Conductance	3428	pH	7.00
Temp. °C	15.26		
Redox Potential Eh (mV)	208		
Turbidity (NTU)	15.1		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.5

Time to evacuate two casing volumes (2V)
T = 2V/Q = 5.06

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 0635. Tanner and Garrin present to collect samples. water was clear. Samples collected at 0645. Left site at 0656

MW-26 05-07-2012 Do not touch this cell (SheetName)

DENISON MINES

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-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_06262012

Date and Time for Purging: 6/26/2012 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: Semiannual GW

Prev. Well Sampled in Sampling Event: N/A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 57.90

Casing Volume (V) 4" Well: 41.41 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3425

pH of Water (avg): 7.01

Well Water Temp. (avg): 15.24

Redox Potential (Eh): 194

Turbidity: 0

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 31°

Time	1153	Gal. Purged	0
Conductance	3425	pH	7.01
Temp. °C	15.24		
Redox Potential Eh (mV)	194		
Turbidity (NTU)	0		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.5

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

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

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

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

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

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

Final Depth: 98.07 Sample Time: 1155

See instruction

Comment

Arrived on site at 1145. Tanner and Garrin present to collect samples.
Samples collected at 1155. water was clear.
Left site at 1158

MW-26 06-26-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-27

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/1/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-01

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 95.00

Depth to Water Before Purging: 51.76

Casing Volume (V) 4" Well: 28.23 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 1581

pH of Water (avg): 7.03

Well Water Temp. (avg): 15.38

Redox Potential (Eh): 299

Turbidity: 0

Weather Cond.: Cloudy

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

Time	1425	Gal. Purged	56.42
Conductance	1586	pH	7.05
Temp. °C	15.38		
Redox Potential Eh (mV)	305		
Turbidity (NTU)	0		

Time	1426	Gal. Purged	56.63
Conductance	1577	pH	7.02
Temp. °C	15.37		
Redox Potential Eh (mV)	302		
Turbidity (NTU)	0		

Time	1427	Gal. Purged	56.85
Conductance	1580	pH	7.03
Temp. °C	15.38		
Redox Potential Eh (mV)	296		
Turbidity (NTU)	0		

Time	1428	Gal. Purged	57.07
Conductance	1583	pH	7.03
Temp. °C	15.40		
Redox Potential Eh (mV)	294		
Turbidity (NTU)	0		

Volume of Water Purged: 57.50 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 260.23

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 0959. Tanner and Garrin present for purge and sampling event. Purge began at 1005. Purged well for a total of 265 minutes. water was clear. Purge ended and samples collected at 1430. Depth to water was 52.71 Left site at 1441

MW-27 05-01-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-28

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/8/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-26

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 77.40

Casing Volume (V) 4" Well: 21.28 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3967

pH of Water (avg): 6.15

Well Water Temp. (avg): 14.65

Redox Potential (Eh): 319

Turbidity: 0

Weather Cond.: Clear

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

Time	0940	Gal. Purged	42.31
Conductance	3969	pH	6.15
Temp. °C	14.65		
Redox Potential Eh (mV)	321		
Turbidity (NTU)	0		

Time	0941	Gal. Purged	42.53
Conductance	3959	pH	6.15
Temp. °C	14.65		
Redox Potential Eh (mV)	321		
Turbidity (NTU)	0		

Time	0942	Gal. Purged	42.74
Conductance	3970	pH	6.15
Temp. °C	14.65		
Redox Potential Eh (mV)	318		
Turbidity (NTU)	0		

Time	0943	Gal. Purged	42.96
Conductance	3970	pH	6.15
Temp. °C	14.65		
Redox Potential Eh (mV)	317		
Turbidity (NTU)	0		

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Volume of Water Purged: 43.40 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 196.20

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 0618. Tanner and Garrin present for purge and sampling event. Purge began at 0625. Purged well for a total of 200 minutes. water was clear. Purge ended and samples collected at 0945 Depth to Water was 80.05 Left site at 0955

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DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-29

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/8/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-23

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 127.00

Depth to Water Before Purging: 102.20

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

Conductance (avg): 4661

pH of Water (avg): 6.48

Well Water Temp. (avg): 15.40

Redox Potential (Eh): 211

Turbidity: 12.5

Weather Cond.: Sunny

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

Time	1230	Gal. Purged	31.46
Conductance	4652	pH	6.51
Temp. °C	15.47		
Redox Potential Eh (mV)	212		
Turbidity (NTU)	12.2		

Time	1231	Gal. Purged	31.68
Conductance	4660	pH	6.47
Temp. °C	15.40		
Redox Potential Eh (mV)	212		
Turbidity (NTU)	12.5		

Time	1232	Gal. Purged	31.89
Conductance	4653	pH	6.47
Temp. °C	15.38		
Redox Potential Eh (mV)	211		
Turbidity (NTU)	12.6		

Time	1233	Gal. Purged	32.11
Conductance	4680	pH	6.47
Temp. °C	15.36		
Redox Potential Eh (mV)	211		
Turbidity (NTU)	12.7		

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Volume of Water Purged 32.55 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 149.25

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Lab AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 0958. Tanner and Garrin present for purge and sampling event, Purge began at 1005. Purged well for a total of 150 minutes. water was mostly clear with a little discolor. Purge ended and samples collected at 1235. Depth to water was 104.75 Left site at 1245

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DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 5/2/2012 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) QED

Sampling Event Semiannual GW

Prev. Well Sampled in Sampling Event MW-25

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging 75.95

Casing Volume (V) 4" Well: 22.23 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 2052

pH of Water (avg) 6.95

Well Water Temp. (avg) 15.01

Redox Potential (Eh) 240

Turbidity 0

Weather Cond. Partly Cloudy

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

Time	1445	Gal. Purged	46.65
Conductance	2056	pH	6.97
Temp. °C	15.04		
Redox Potential Eh (mV)	243		
Turbidity (NTU)	0		

Time	1446	Gal. Purged	46.87
Conductance	2052	pH	6.96
Temp. °C	15.01		
Redox Potential Eh (mV)	241		
Turbidity (NTU)	0		

Time	1447	Gal. Purged	47.08
Conductance	2052	pH	6.95
Temp. °C	15.00		
Redox Potential Eh (mV)	239		
Turbidity (NTU)	0		

Time	1448	Gal. Purged	47.30
Conductance	2050	pH	6.95
Temp. °C	15.01		
Redox Potential Eh (mV)	236		
Turbidity (NTU)	0		

Volume of Water Purged [47.74] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [204.92]

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab [AWAL 1 set of VOCs]

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

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

See instruction

Comment

Arrived on site at 1104. Tanner and Garrin present for purge and sampling event. Purge began at 1110. Purged well for a total of 220 minutes water was clear. Purge ended and samples collected at 1450 Depth to water was 79.10 Left site at 1501

MW-30 05-02-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging MW-31 5/2/2012 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) QED

Sampling Event Semiannual GW

Prev. Well Sampled in Sampling Event MW-27

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 68.70

Casing Volume (V) 4" Well: 40.02 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 1905

pH of Water (avg): 7.19

Well Water Temp. (avg): 15.18

Redox Potential (Eh): 322

Turbidity: 1.4

Weather Cond.: Partly Cloudy

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

Time	1250	Gal. Purged	82.46
Conductance	1903	pH	7.20
Temp. °C	15.19		
Redox Potential Eh (mV)	334		
Turbidity (NTU)	1.5		

Time	1251	Gal. Purged	82.67
Conductance	1910	pH	7.19
Temp. °C	15.14		
Redox Potential Eh (mV)	325		
Turbidity (NTU)	1.4		

Time	1252	Gal. Purged	82.89
Conductance	1900	pH	7.19
Temp. °C	15.21		
Redox Potential Eh (mV)	316		
Turbidity (NTU)	1.4		

Time	1253	Gal. Purged	83.11
Conductance	1907	pH	7.19
Temp. °C	15.18		
Redox Potential Eh (mV)	313		
Turbidity (NTU)	1.4		

Volume of Water Purged [83.54] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [368.92]

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab [AWAL] set of VOCs

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

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

See instruction

Comment

Arrived on site at 0625. Tanner and Garrin present for purge and sampling event. Purge began at 0630. Purged well for a total of 385 minutes. water was clear. Purge ended and samples collected at 1255. Depth to water was 71.21 Left site at 1306

MW-31 05-02-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-32

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 4/30/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-18

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 132.50

Depth to Water Before Purging: 75.65

Casing Volume (V) 4" Well: 37.12 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3874

pH of Water (avg): 6.41

Well Water Temp. (avg): 15.27

Redox Potential (Eh): 206

Turbidity: 9.0

Weather Cond.: Sunny

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

Time	1515	Gal. Purged	81.37
Conductance	3877	pH	6.43
Temp. °C	15.26		
Redox Potential Eh (mV)	208		
Turbidity (NTU)	8.9		

Time	1516	Gal. Purged	81.59
Conductance	3897	pH	6.41
Temp. °C	15.25		
Redox Potential Eh (mV)	207		
Turbidity (NTU)	9.0		

Time	1517	Gal. Purged	81.80
Conductance	3853	pH	6.40
Temp. °C	15.30		
Redox Potential Eh (mV)	206		
Turbidity (NTU)	9.1		

Time	1518	Gal. Purged	82.02
Conductance	3869	pH	6.40
Temp. °C	15.29		
Redox Potential Eh (mV)	205		
Turbidity (NTU)	9.2		

Volume of Water Purged: 82.46 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 342.14

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 0855, Tanner and Garrin present for purge and sampling event
Purge began at 0900. Purged well for a total of 380 minutes.
water was mostly clear. Purge ended and samples collected at 1520

Depth to water was 80.75 Left site at 1531

MW-32 04-30-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/2/2012 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-30

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.35

Casing Volume (V) 4" Well: 7.93 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 4152

pH of Water (avg): 6.61

Well Water Temp. (avg): 15.28

Redox Potential (Eh): 277

Turbidity: 0

Weather Cond.: Partly Cloudy

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

Time	1425	Gal. Purged	15.19
Conductance	4155	pH	6.61
Temp. °C	15.32		
Redox Potential Eh (mV)	283		
Turbidity (NTU)	0		

Time	1426	Gal. Purged	15.40
Conductance	4149	pH	6.61
Temp. °C	15.29		
Redox Potential Eh (mV)	281		
Turbidity (NTU)	0		

Time	1427	Gal. Purged	15.62
Conductance	4155	pH	6.61
Temp. °C	15.29		
Redox Potential Eh (mV)	279		
Turbidity (NTU)	0		

Time	1428	Gal. Purged	15.84
Conductance	4151	pH	6.61
Temp. °C	15.25		
Redox Potential Eh (mV)	270		
Turbidity (NTU)	0		

Volume of Water Purged [16.27] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [73.12]

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab [AWAL 1 set of VOCs]

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

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

See instruction

Comment

Arrived on site at 1309. Tanner and Garrin present for purge and sampling event. Purge began at 1315. Purged well for a total of 75 minutes. water was clear. Purge ended and samples collected at 1430.
Depth to water was 113.33 Left site at 1440

[MW-35 05-02-2012] Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-36

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/8/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-28

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 121.60

Depth to Water Before Purging: 110.80

Casing Volume (V) 4" Well: 7.05 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 4971

pH of Water (avg): 7.10

Well Water Temp. (avg): 14.29

Redox Potential (Eh): 302

Turbidity: 0

Weather Cond.: Clear

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

Time	0755	Gal. Purged	17.36
Conductance	4970	pH	7.10
Temp. °C	14.29		
Redox Potential Eh (mV)	304		
Turbidity (NTU)	0		

Time	0756	Gal. Purged	17.57
Conductance	4969	pH	7.10
Temp. °C	14.30		
Redox Potential Eh (mV)	302		
Turbidity (NTU)	0		

Time	0757	Gal. Purged	17.79
Conductance	4973	pH	7.10
Temp. °C	14.29		
Redox Potential Eh (mV)	302		
Turbidity (NTU)	0		

Time	0758	Gal. Purged	18.01
Conductance	4972	pH	7.10
Temp. °C	14.29		
Redox Potential Eh (mV)	301		
Turbidity (NTU)	0		

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Volume of Water Purged: 18.44 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 64.99

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 0629. Tanner and Garrin present for purge and sampling event. Purge began at 0635, Purged well for a total of 85 minutes. water was clear. Purge ended and samples collected at 0800
Depth to water was 113.00 Left site at 0810

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DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-37

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/15/2012 and Sampling (if different): 5/29/2012

Well Purging Equip Used: ☐ pump or ☒ bailer

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

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-03

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 121.80

Depth to Water Before Purging: 107.06

Casing Volume (V) 4" Well: 9.62 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 4435

pH of Water (avg): 6.65

Well Water Temp. (avg): 15.91

Redox Potential (Eh): 421

Turbidity: 44

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 23°

Time	1218	Gal. Purged	5
Conductance	4435	pH	6.65
Temp. °C	15.91		
Redox Potential Eh (mV)	421		
Turbidity (NTU)	44		

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

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

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

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Volume of Water Purged: 14 gallon(s)

Pumping Rate Calculation

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

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

Number of casing volumes evacuated (if other than two): 1.45

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: ANAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 1205. Tanner and Garrin present to bail MW-37. Bailing began at 1210 first bail was clean but water got dirty as we continued bailing and disturbing the column. Took parameters out of a 5 Gallon bucket. bailed well dry! bailing ended at 1233. Left site at 1235.
Arrived on site at 1317. Tanner and Garrin present to collect samples. Depth to water was 114.70 Samples collected by bailer at 1325. Left site at 1335

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DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/7/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): Continuous

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-22

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 80.60

Casing Volume (V) 4" Well: 26.59 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3428

pH of Water (avg): 7.00

Well Water Temp. (avg): 15.26

Redox Potential (Eh): 208

Turbidity: 15.1

Weather Cond.: Clear

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

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

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.5

Time to evacuate two casing volumes (2V)
T = 2V/Q = 5.06

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Duplicate of MW-26

MW-65 05-07-2012 Do not touch this cell (SheetName)

DENISON MINES

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-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_06262012

Date and Time for Purging: 6/26/2012 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: Semiannual GW

Prev. Well Sampled in Sampling Event: N/A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 57.90

Casing Volume (V) 4" Well: 41.41 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3425

pH of Water (avg): 7.01

Well Water Temp. (avg): 15.24

Redox Potential (Eh): 194

Turbidity: 0

Weather Cond.: Sunny

Ext'l Amb. Temp. °C (prior sampling event): 31°

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: 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.5

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

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

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

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

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

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

Final Depth: 98.07

Sample Time: 1155

See instruction

Comment

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MW-65 06-26-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: 2nd Quarter Ground Water 2012

Location (well name): MW-70

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 5/15/2012 and Sampling (if different): 5/16/2012

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Semiannual GW

Prev. Well Sampled in Sampling Event: MW-37

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 149.00

Depth to Water Before Purging: 53.50

Casing Volume (V) 4" Well: 62.36 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 1785

pH of Water (avg): 6.84

Well Water Temp. (avg): 14.97

Redox Potential (Eh): 379

Turbidity: 3.45

Weather Cond.: Clear

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

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

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

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

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

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Volume of Water Purged 130.20 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 574.76

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

If well evacuated to dryness, number of gallons evacuated 0

Name of Certified Analytical Laboratory if Other Than Energy Lab AWAL 1 set of VOCs

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

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

See instruction

Comment

Duplicate of MW-19

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Tab C

Field Data Worksheets Accelerated Monitoring

Tab C1

Field Data Worksheets Accelerated Monitoring

April 2012

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: April monthly Ground Water 2012

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 4/10/2012 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) QED

Sampling Event Monthly GW

Prev. Well Sampled in Sampling Event MW-30

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging 88.33

Casing Volume (V) 4" Well: 27.21 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 2877

pH of Water (avg) 7.65

Well Water Temp. (avg) 15.21

Redox Potential (Eh) 91

Turbidity 0

Weather Cond. Partly Cloudy

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

Time	1040 / 1155	Gal. Purged	57.50
Conductance	2880	pH	7.65
Temp. °C	15.24		
Redox Potential Eh (mV)	92		
Turbidity (NTU)	0		

Time	1041 / 1156	Gal. Purged	57.72
Conductance	2875	pH	7.65
Temp. °C	15.23		
Redox Potential Eh (mV)	91		
Turbidity (NTU)	0		

Time	1042 / 1157	Gal. Purged	57.93
Conductance	2876	pH	7.66
Temp. °C	15.20		
Redox Potential Eh (mV)	91		
Turbidity (NTU)	0		

Time	1043 / 1158	Gal. Purged	58.15
Conductance	2879	pH	7.66
Temp. °C	15.19		
Redox Potential Eh (mV)	90		
Turbidity (NTU)	0		

Volume of Water Purged: 58.59 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 250.78

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab: AWAL 1 set of VOCs

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

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

See instruction

Comment

Arrived on site at 0724. Tanner and Garrin present for purge and sampling event. Purge began at 0730. Purged well for a total of 270 minutes, water was clear. Purge ended and samples were collected at 1200. Left site at 1207.

Depth to Water was 88.85

MW-11 04-10-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: April monthly Ground Water 2012

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday /TH

Date and Time for Purging 4/12/2012 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) QED

Sampling Event Monthly GW

Prev. Well Sampled in Sampling Event MW-26

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging 103.80

Casing Volume (V) 4" Well: 16.25 (.653h)
3" Well: 0 (.367h)

Conductance (avg):

pH of Water (avg):

Well Water Temp. (avg):

Redox Potential (Eh):

Turbidity:

Weather Cond. Overcast and Rain

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

Time	1055	Gal. Purged	37.97
Conductance	3937	pH	6.96
Temp. °C	14.10		
Redox Potential Eh (mV)	280		
Turbidity (NTU)	0		

Time	1056	Gal. Purged	38.19
Conductance	3940	pH	6.97
Temp. °C	14.09		
Redox Potential Eh (mV)	277		
Turbidity (NTU)	0		

Time	1057	Gal. Purged	38.40
Conductance	3937	pH	6.97
Temp. °C	14.07		
Redox Potential Eh (mV)	274		
Turbidity (NTU)	0		

Time	1058	Gal. Purged	38.62
Conductance	3936	pH	6.97
Temp. °C	14.08		
Redox Potential Eh (mV)	274		
Turbidity (NTU)	0		

Volume of Water Purged [39.06] gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = [149.85]

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

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

Name of Certified Analytical Laboratory if Other Than Energy Lab [N/A]

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

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

See instruction

Comment

Arrived on site at 0753. Tanner Holliday present for purge. purge begas at 0800. Purged well for a total of 180 minutes, water was clear. Purge ended ~~and~~ s- at 1100. No samples required. Depth to water was 104.73. Left site at 1104

MW-14 04-12-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: April Ground Water 2012

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 4/9/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-31

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 74.73

Casing Volume (V) 4" Well: 26.29 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3271

pH of Water (avg): ~~6.57~~ 6.57

Well Water Temp. (avg): 14.93

Redox Potential (Eh): 401, 383

Turbidity: 445

Weather Cond.: Sunny

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

Time	1155	Gal. Purged	52.08, 53.16
Conductance	3267	pH	~~6.57~~, 6.57
Temp. °C	14.94		
Redox Potential Eh (mV)	401		
Turbidity (NTU)	501		

Time	1156	Gal. Purged	52.29, 53.38
Conductance	3279	pH	~~6.57~~, 6.58
Temp. °C	14.93		
Redox Potential Eh (mV)	383		
Turbidity (NTU)	436		

Time	1157	Gal. Purged	52.51, 53.59
Conductance	3268	pH	~~6.57~~, 6.58
Temp. °C	14.93		
Redox Potential Eh (mV)	377		
Turbidity (NTU)	440		

Time	1158	Gal. Purged	52.73, 53.81
Conductance	3270	pH	~~6.57~~, 6.58
Temp. °C	14.93		
Redox Potential Eh (mV)	373		
Turbidity (NTU)	405		

Volume of Water Purged: 54.25 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 242.36

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

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

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

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

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

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 250 minutes. water was mostly clear but had alot of Air bubbles. Purge ended and sample was collected at 1200. Left site at 1204. Depth to water was 75.90

MW-25 04-09-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: April Monthly Ground Water 2012

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 4/11/2012 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) Continuous

Sampling Event Monthly GW

Prev. Well Sampled in Sampling Event MW-35

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging 59.87

Casing Volume (V) 4" Well: 40.13 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 3393

pH of Water (avg) 6.88

Well Water Temp. (avg) 15.07

Redox Potential (Eh) 182

Turbidity 0

Weather Cond. Clear

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

Time	0739	Gal. Purged	0
Conductance	3393	pH	6.88
Temp. °C	15.07		
Redox Potential Eh (mV)	182		
Turbidity (NTU)	0		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.50

Time to evacuate two casing volumes (2V)
T = 2V/Q = 7.64

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

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

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

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

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

See instruction

Comment

Arrived on site at 0733 Tanner and Garrin present to collect samples.
Samples were collected at 0740. water was clear.
Left site at 0747

MW-26 04-11-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: Monthly Ground Water April 2012

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging: 4/10/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☑ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-25

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 76.80

Casing Volume (V) 4" Well: 21.67 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 2066

pH of Water (avg): 7.03

Well Water Temp. (avg): 14.63

Redox Potential (Eh): 331

Turbidity: 0

Weather Cond.: Partly Cloudy

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

Time	1040	Gal. Purged	44.48
Conductance	2064	pH	7.03
Temp. °C	14.65		
Redox Potential Eh (mV)	341		
Turbidity (NTU)	0		

Time	1041	Gal. Purged	44.70
Conductance	2066	pH	7.03
Temp. °C	14.66		
Redox Potential Eh (mV)	339		
Turbidity (NTU)	0		

Time	1042	Gal. Purged	44.91
Conductance	2069	pH	7.04
Temp. °C	14.60		
Redox Potential Eh (mV)	330		
Turbidity (NTU)	0		

Time	1043	Gal. Purged	45.13
Conductance	2066	pH	7.05
Temp. °C	14.64		
Redox Potential Eh (mV)	315		
Turbidity (NTU)	0		

Volume of Water Purged: 45.57 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 199.81

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

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

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

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

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

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 210 minutes. water was clear throughout the purge. Purge ended and samples were collected at 1045. Depth to water was 78.70
Left site at 1054.

MW-30 04-10-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: April ~~moth~~ Monthly Ground Water 2012

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Date and Time for Purging 4/9/2012 and Sampling (if different) N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet) QED

Sampling Event Monthly GW

Prev. Well Sampled in Sampling Event N/A

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 999 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging 69.05

Casing Volume (V) 4" Well: 39.80 (.653h)
3" Well: 0 (.367h)

Conductance (avg) 1929

pH of Water (avg) 8.80 · 7.14

Well Water Temp. (avg) 15.28

Redox Potential (Eh) 379

Turbidity 283

Weather Cond. Sunny

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

Time	1155 · 1340	Gal. Purged	79.20
Conductance	1927	pH	8.80 · 7.14
Temp. °C	15.31		
Redox Potential Eh (mV)	391		
Turbidity (NTU)	280		

Time	1156 · 1341	Gal. Purged	79.42
Conductance	1926	pH	8.80 · 7.15
Temp. °C	15.28		
Redox Potential Eh (mV)	380		
Turbidity (NTU)	281		

Time	1157 · 1342	Gal. Purged	79.63
Conductance	1930	pH	8.80 · 7.15
Temp. °C	15.28		
Redox Potential Eh (mV)	379		
Turbidity (NTU)	285		

Time	1158 · 1343	Gal. Purged	79.85
Conductance	1934	pH	8.80 · 7.14
Temp. °C	15.25		
Redox Potential Eh (mV)	369		
Turbidity (NTU)	287		

Volume of Water Purged: 80.29 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 366.82

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

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

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

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

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

See instruction

Comment

Arrived on site at at ~~of~~ 0728. Tanner and Garrin present for purge and sampling event. Purge began at 0735. Purged well for a total of 370 minutes. Water had a slight discolor. Purge ended and sample was collected at 1345. Depth To water was 72.81. Left site at 1351

MW-3I 04-09-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: April Monthly Ground Water 2012

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday /TH

Date and Time for Purging: 4/10/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-11

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.51

Casing Volume (V) 4" Well: 7.82 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 4110

pH of Water (avg): 6.82

Well Water Temp. (avg): 15.89

Redox Potential (Eh): 251

Turbidity: 0

Weather Cond.: Partly Cloudy

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

Time	1225	Gal. Purged	15.19
Conductance	4108	pH	6.80
Temp. °C	16.23		
Redox Potential Eh (mV)	260		
Turbidity (NTU)	0		

Time	1226	Gal. Purged	15.40
Conductance	4110	pH	6.80
Temp. °C	15.75		
Redox Potential Eh (mV)	254		
Turbidity (NTU)	0		

Time	1227	Gal. Purged	15.62
Conductance	4115	pH	6.85
Temp. °C	15.78		
Redox Potential Eh (mV)	246		
Turbidity (NTU)	0		

Time	1228	Gal. Purged	15.84
Conductance	4110	pH	6.84
Temp. °C	15.80		
Redox Potential Eh (mV)	244		
Turbidity (NTU)	0		

Volume of Water Purged: 16.27 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 72.16

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

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

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

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

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

See instruction

Comment

Arrived on site at 1110. Tanner and Garrin present for purge and sampling event. Purge began at 1115. Purged well for a total of 75 minutes. water was clear. Purge ended and sample was collected at 1230. Depth to water was 113.30

Left site at 1242

MW-35 04-10-2012 Do not touch this cell (SheetName)

DENISON MINES

ATTACHMENT 1
WHITE MESA URANIUM MILL
FIELD DATA WORKSHEET FOR GROUND WATER

Attachment 1
See instruction

Description of Sampling Event: April monthly Groundwater 2012

Location (well name): ~~MW-11~~ MW-65

Sampler Name and initials: Tanner Holliday/AH

Date and Time for Purging: 4/10/2012 and Sampling (if different): N/A

Well Purging Equip Used: ☒ pump or ☐ bailer

Well Pump (if other than Bennet): QED

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-11

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.51

Casing Volume (V) 4" Well: 7.82 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 4110

pH of Water (avg): 6.82

Well Water Temp. (avg): 15.89

Redox Potential (Eh): 251

Turbidity: 0

Weather Cond.: Partly Cloudy

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

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

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

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

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

Volume of Water Purged: 16.27 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 72.16

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

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

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

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

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

See instruction

Comment

Duplicate of MW-35

MW-65 04-10-2012 Do not touch this cell (SheetName)

Tab C2

Field Data Worksheets Accelerated Monitoring

June 2012

DENISON MINES

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

See instruction

Description of Sampling Event: June Monthly Ground Water 2012

Location (well name): MW-11

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-11_06192012

Date and Time for Purging: 6/19/2012 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 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 87.80

Casing Volume (V) 4" Well: 27.55 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 2864

pH of Water (avg): 7.81

Well Water Temp. (avg): 15.40

Redox Potential (Eh): ~~781~~ 111

Turbidity: 0

Weather Cond.: Clear

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

Time	1050	Gal. Purged	54.25
Conductance	2862	pH	7.81
Temp. °C	15.40		
Redox Potential Eh (mV)	114		
Turbidity (NTU)	0		

Time	1051	Gal. Purged	54.46
Conductance	2869	pH	7.82
Temp. °C	15.41		
Redox Potential Eh (mV)	114		
Turbidity (NTU)	0		

Time	1052	Gal. Purged	54.68
Conductance	2867	pH	7.82
Temp. °C	15.40		
Redox Potential Eh (mV)	109		
Turbidity (NTU)	0		

Time	1053	Gal. Purged	54.90
Conductance	2861	pH	7.82
Temp. °C	15.40		
Redox Potential Eh (mV)	108		
Turbidity (NTU)	0		

Volume of Water Purged: 55.33 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 253.97

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

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

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

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

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

Final Depth: 88.05 Sample Time: 1055

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 255 minutes. Water was clear throughout the purge. Purge ended at 1055. Left site at 1100

MW-11 06-19-2012 Do not touch this cell (SheetName)

DENISON MINES

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

See instruction

Description of Sampling Event: June monthly Ground Water 2012

Location (well name): MW-14

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-14_06192012

Date and Time for Purging: 6/19/2012 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-11

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 128.70

Depth to Water Before Purging: 103.55

Casing Volume (V) 4" Well: 16.42 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3937

pH of Water (avg): 6.91

Well Water Temp. (avg): 15.20

Redox Potential (Eh): 384

Turbidity: 0

Weather Cond.: Sunny

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

Time	0935	Gal. Purged	33.63
Conductance	3939	pH	6.94
Temp. °C	15.21		
Redox Potential Eh (mV)	396		
Turbidity (NTU)	0		

Time	0936	Gal. Purged	33.85
Conductance	3939	pH	6.91
Temp. °C	15.27		
Redox Potential Eh (mV)	386		
Turbidity (NTU)	0		

Time	0937	Gal. Purged	34.06
Conductance	3936	pH	6.90
Temp. °C	15.19		
Redox Potential Eh (mV)	382		
Turbidity (NTU)	0		

Time	0938	Gal. Purged	34.28
Conductance	3937	pH	6.90
Temp. °C	15.13		
Redox Potential Eh (mV)	373		
Turbidity (NTU)	0		

Volume of Water Purged: 34.72 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 151.36

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

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

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

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

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

Final Depth: 104.03 Sample Time: N/A

See instruction

Comment

Arrived on site at 0654. Tanner and Garrin present for purge and sampling event. Purge began at 0700. Purged well for a total of 160 minutes. water was clear. Purge ended at 0940. Left site at 0942

MW-14 06-19-2012 Do not touch this cell (SheetName)

DENISON MINES

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

See instruction

Description of Sampling Event: June Monthly Ground Water 2012

Location (well name): MW-25

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-25_06182012

Date and Time for Purging: 6/18/2012 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: N/A

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 115.00

Depth to Water Before Purging: 73.60

Casing Volume (V) 4" Well: 27.03 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3243

pH of Water (avg): 7.01

Well Water Temp. (avg): 15.45

Redox Potential (Eh): 350

Turbidity: 1.6

Weather Cond.: Clear

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

Time	1055	Gal. Purged	53.16
Conductance	3240	pH	7.02
Temp. °C	15.45		
Redox Potential Eh (mV)	362		
Turbidity (NTU)	1.6		

Time	1056	Gal. Purged	53.38
Conductance	3245	pH	7.04
Temp. °C	15.45		
Redox Potential Eh (mV)	357		
Turbidity (NTU)	1.6		

Time	1057	Gal. Purged	53.59
Conductance	3246	pH	7.00
Temp. °C	15.46		
Redox Potential Eh (mV)	344		
Turbidity (NTU)	1.6		

Time	1058	Gal. Purged	53.81
Conductance	3242	pH	6.99
Temp. °C	15.46		
Redox Potential Eh (mV)	19	339	
Turbidity (NTU)	1.6		

Volume of Water Purged: 54.25 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 249.16

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

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

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

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

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

Final Depth: 75.31 Sample Time: 1100

See instruction

Comment

Arrived on site at 0644. Tanner and Garrin present for purge and sampling event. Purge began at 0650. Purged well for a total of 250 minutes. water was mostly clear throughout the purge. Purge ended and sample was collected at 1100. Left site at 1104

MW-25 06-18-2012 Do not touch this cell (SheetName)

DENISON MINES

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

See instruction

Description of Sampling Event: June monthly Ground Water 2012

Location (well name): MW-26

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-26_06192012

Date and Time for Purging: 6/19/2012 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-35

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 121.33

Depth to Water Before Purging: 59.70

Casing Volume (V) 4" Well: 40.24 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 3413

pH of Water (avg): 7.00

Well Water Temp. (avg): 15.23

Redox Potential (Eh): 220

Turbidity: 1.5

Weather Cond.: Sunny

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

Time	1014	Gal. Purged	0
Conductance	3413	pH	7.00
Temp. °C	15.23		
Redox Potential Eh (mV)	220		
Turbidity (NTU)	1.5		

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

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

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

Volume of Water Purged: 0 gallon(s)

Pumping Rate Calculation

Flow Rate (Q), in gpm.
S/60 = 10.5

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

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

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

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

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

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

Final Depth: 105.56 Sample Time: 1015

See instruction

Comment

Arrived on site at 1005. Tanner and Garrin present to collect samples. Samples collected at 1015. water was clear. Left site at 1020

MW-26 06-19-2012 Do not touch this cell (SheetName)

DENISON MINES

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

See instruction

Description of Sampling Event: June Monthly Ground Water 2012

Location (well name): MW-30

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-30_06182012

Date and Time for Purging: 6/18/2012 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 µMHOS/ cm

Well Depth(0.01ft): 110.00

Depth to Water Before Purging: 75.76

Casing Volume (V) 4" Well: 22.35 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 2059

pH of Water (avg): 7.12

Well Water Temp. (avg): 15.68

Redox Potential (Eh): 274

Turbidity: 0

Weather Cond.: Clear and Windy

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

Time	1440	Gal. Purged	44.48
Conductance	2063	pH	7.10
Temp. °C	15.73		
Redox Potential Eh (mV)	287		
Turbidity (NTU)	0		

Time	1441	Gal. Purged	44.70
Conductance	2057	pH	7.14
Temp. °C	15.67		
Redox Potential Eh (mV)	280		
Turbidity (NTU)	0		

Time	1442	Gal. Purged	44.91
Conductance	2055	pH	7.14
Temp. °C	15.66		
Redox Potential Eh (mV)	267		
Turbidity (NTU)	0		

Time	1443	Gal. Purged	45.13
Conductance	2064	pH	7.10
Temp. °C	15.69		
Redox Potential Eh (mV)	262		
Turbidity (NTU)	0		

Volume of Water Purged: 45.57 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 206.07

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

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

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

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

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

Final Depth: 78.25 Sample Time: 1445

See instruction

Comment

Arrived on site at 1110. Tanner and Garrin present for purge and sampling event. Purge began at 1115. Purged well for a total of 210 minutes. water was mostly clear throughout the purge. Purge ended and samples collected at 1445, Left site at 1451

MW-30 06-18-2012 Do not touch this cell (SheetName)

DENISON MINES

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

See instruction

Description of Sampling Event: June Monthly Ground Water 2012

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31_06182012

Date and Time for Purging: 6/18/2012 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 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 67.88

Casing Volume (V) 4" Well: 40.56 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 1941

pH of Water (avg): 7.26

Well Water Temp. (avg): 15.67

Redox Potential (Eh): 383

Turbidity: 26

Weather Cond.: Clear

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

Time	1310	Gal. Purged	80.29
Conductance	1943	pH	7.25
Temp. °C	15.74		
Redox Potential Eh (mV)	398		
Turbidity (NTU)	25.1		

Time	1311	Gal. Purged	80.50
Conductance	1943	pH	7.26
Temp. °C	15.69		
Redox Potential Eh (mV)	384		
Turbidity (NTU)	26		

Time	1312	Gal. Purged	80.72
Conductance	1941	pH	7.26
Temp. °C	15.63		
Redox Potential Eh (mV)	382		
Turbidity (NTU)	27		

Time	1313	Gal. Purged	80.94
Conductance	1937	pH	7.28
Temp. °C	15.65		
Redox Potential Eh (mV)	371		
Turbidity (NTU)	28		

Volume of Water Purged: 81.37 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 373.86

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

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

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

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

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

Final Depth: 71.00 Sample Time: 1315

See instruction

Comment

Arrived on site at 0654. Tanner and Garrin present for purge and sampling event. Purge began at 0700. Purged well for a total of 375 minutes. water had a slight discolor but was mostly clear. Had a few sand particles. Purge ended and samples collected at 1315. Left site at 1319

MW-31 06-18-2012 Do not touch this cell (SheetName)

DENISON MINES

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

See instruction

Description of Sampling Event: June Monthly Ground Water 2012 Resampled

Location (well name): MW-31

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-31-06292012

Date and Time for Purging: 6/29/2012 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 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 68.05

Casing Volume (V) 4" Well: 40.45 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 1936

pH of Water (avg): 7.63

Well Water Temp. (avg): 15.45

Redox Potential (Eh): 299

Turbidity: 2.7

Weather Cond.: Clear

Ext'l Amb. Temp. °C (prior sampling event): 23°

Time	1255	Gal. Purged	80.29
Conductance	1926	pH	7.63
Temp. °C	15.43		
Redox Potential Eh (mV)	302		
Turbidity (NTU)	2.6		

Time	1256	Gal. Purged	80.50
Conductance	1935	pH	7.63
Temp. °C	15.46		
Redox Potential Eh (mV)	300		
Turbidity (NTU)	2.7		

Time	1257	Gal. Purged	80.72
Conductance	1940	pH	7.63
Temp. °C	15.44		
Redox Potential Eh (mV)	299		
Turbidity (NTU)	2.7		

Time	1258	Gal. Purged	80.94
Conductance	1945	pH	7.63
Temp. °C	15.50		
Redox Potential Eh (mV)	296		
Turbidity (NTU)	2.8		

Volume of Water Purged: 81.37 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 372.84

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

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

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

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

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

Final Depth: 69.99 Sample Time: 1300

See instruction

Comment

Arrived on site at 0635. Tanner and Garrin present for purge and sampling event. Purge began at 0645. Purged well for a total of 375 minutes. Water was mostly clear throughout the purge. Purge ended at 1300 Sample was collected at 1300 Left site at 1304

MW-31 06-29-2012 Do not touch this cell (SheetName)

DENISON MINES

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

See instruction

Description of Sampling Event: June Monthly Monthly Ground Water 2012

Location (well name): MW-35

Sampler Name and initials: Tanner Holliday /TH

Field Sample ID: ~~MW-35_06192012~~ MW-35_06192012

Date and Time for Purging: 6/19/2012 and Sampling (if different): N/A

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

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

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

pH Buffer 7.0: 7.0 pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm Well Depth(0.01ft): 124.50

Depth to Water Before Purging: 112.20 Casing Volume (V) 4" Well: 8.03 (.653h) 8.03
3" Well: 0 (.367h)

Conductance (avg): 4178 pH of Water (avg): 6.90

Well Water Temp. (avg): 15.68 Redox Potential (Eh): 200 Turbidity: 0

Weather Cond.: Sunny Ext'l Amb. Temp. °C (prior sampling event): 25°

Time	1105	Gal. Purged	15.19
Conductance	4161	pH	6.90
Temp. °C	15.71		
Redox Potential Eh (mV)	200		
Turbidity (NTU)	0		

Time	1106	Gal. Purged	15.40
Conductance	4182	pH	6.90
Temp. °C	15.70		
Redox Potential Eh (mV)	200		
Turbidity (NTU)	0		

Time	1107	Gal. Purged	15.62
Conductance	4185	pH	6.90
Temp. °C	15.65		
Redox Potential Eh (mV)	200		
Turbidity (NTU)	0		

Time	1108	Gal. Purged	15.84
Conductance	4184	pH	6.90
Temp. °C	15.67		
Redox Potential Eh (mV)	200		
Turbidity (NTU)	0		

Volume of Water Purged: 16.27 gallon(s)

Pumping Rate Calculation

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

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

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

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

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

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

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

Final Depth: 112.95 Sample Time: 1110

See instruction

Comment

Arrived on site at 0950. Tanner and Garrin present for purge and sampling event. Purge began at 0955. Purged well for a total of 75 minutes. Water was clear throughout the purge. Purge ended and sample was collected at 1110. Left site at 1114

MW-35 06-19-2012 Do not touch this cell (SheetName)

DENISON MINES

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

See instruction

Description of Sampling Event: June Monthly Ground Water 2012

Location (well name): MW-65

Sampler Name and initials: Tanner Holliday/TH

Field Sample ID: MW-65_06192012

Date and Time for Purging: 6/19/2012 and Sampling (if different): N/A

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

Well Pump (if other than Bennet): QED

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

Sampling Event: Monthly GW

Prev. Well Sampled in Sampling Event: MW-30

pH Buffer 7.0: 7.0

pH Buffer 4.0: 4.0

Specific Conductance: 999 µMHOS/ cm

Well Depth(0.01ft): 130.00

Depth to Water Before Purging: 87.80

Casing Volume (V) 4" Well: 27.55 (.653h)
3" Well: 0 (.367h)

Conductance (avg): 2864

pH of Water (avg): 7.81

Well Water Temp. (avg): 15.40

Redox Potential (Eh): 111

Turbidity: 0

Weather Cond.: Sunny

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

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

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: 55.33 gallon(s)

Pumping Rate Calculation

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

Time to evacuate two casing volumes (2V)
T = 2V/Q = 253.97

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

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

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

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

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

Final Depth: 88.05 Sample Time: 1055

See instruction

Comment

Duplicate of MW-11

MW-65 06-19-2012 Do not touch this cell (SheetName)

Tab D

Quarterly Depth to Water

NAME: Tanner Holliday, Garrin Palmer

DATE: 6/28/2012

TIME	WELL	Static level	TIME	WELL	Static Level	TIME	WELL	Static Level	TIME	WELL	Static Level
1019	MW-1	64.66	757	MW-4	71.04	1418	PIEZ-1	61.52	NA	DR-1	ABANDON
1024	MW-2	109.70	800	TW4-1	64.92	1409	PIEZ-2	21.28	NA	DR-2	ABANDON
1359	MW-3	83.20	812	TW4-2	66.85	1411	PIEZ-3	40.29			
1400	MW-3A	85.26	823	TW4-3	50.20	1416	PIEZ-4	47.80			
1101	MW-5	106.45	841	TW4-4	70.00	1413	PIEZ-5	42.80	1234	DR-5	83.2
1104	MW-11	88.15	826	TW4-5	56.78				1241	DR-6	94.37
1058	MW-12	108.63	814	TW4-6	69.98	1430	TWN-1	51.57	1425	DR-7	92.18
1031	MW-14	103.88	849	TW4-7	67.86	1442	TWN-2	21.02	1249	DR-8	51.05
1035	MW-15	106.60	817	TW4-8	66.50	1433	TWN-3	32.83	1246	DR-9	86.69
1408	MW-17	74.66	823	TW4-9	54.75	1457	TWN-4	41.03	1244	DR-10	78.05
915	MW-18	70.28	803	TW4-10	56.34	1444	TWN-5	69.55	1353	DR-11	98.35
924	MW-19	52.08	839	TW4-11	57.80	1437	TWN-6	74.62	1356	DR-12	88.55
1339	MW-20	88.93	814	TW4-12	47.18	1450	TWN-7	88.39	1405	DR-13	70
1345	MW-22	67.10	852	TW4-13	47.17	1454	TWN-8	61.64	1302	DR-14	76.55
1053	MW-23	114.27	820	TW4-14	86.80	1500	TWN-9	62.90	1332	DR-15	93.05
1050	MW-24	114.34	831	TW4-15	68.07	1459	TWN-10	80.82	NA	DR-16	ABANDON
1048	MW-25	73.78	844	TW4-16	60.12	1516	TWN-11	69.41	1305	DR-17	64.9
1035	MW-26	68.16	805	TW4-17	74.92	1515	TWN-12	28.50	NA	DR-18	ABANDON
1040	MW-27	51.00	851	TW4-18	56.61	1503	TWN-13	46.02	1309	DR-19	63.3
1050	MW-28	76.59	808	TW4-19	59.00	1514	TWN-14	62.43	1319.00	DR-20	55.3
1036	MW-29	102.01	853	TW4-20	61.76	1519	TWN-15	92.00	1326	DR-21	107.38
1038	MW-30	75.90	847	TW4-21	54.09	1504	TWN-16	47.85	1329	DR-22	Dry
1036	MW-31	68.00	819	TW4-22	53.38	1507	TWN-17	33.87	1323	DR-23	70.77
1042	MW-32	74.80	809	TW4-23	64.76	1512	TWN-18	58.40	1313	DR-24	43.95
1104	MW-33	DRY	821	TW4-24	54.81	1509	TWN-19	52.50	NA	DR-25	ABANDON
1044	MW-34	108.40	850	TW4-25	47.50						
1055	MW-35	112.50	827	TW4-26	63.45						
1047	MW-36	110.60	830	TW4-27	83.01						
1039	MW-37	108.45									

We split up to complete depth checks so some times may be the same.

Tab E

Laboratory Analytical Reports – Quarterly Sampling

ORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205087-001A
Client Sample ID: MW-01_05012012
Collection Date: 5/1/2012 945h
Received Date: 5/4/2012 930h

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

Analyzed: 5/4/2012 1113h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Tetrahydrofuran	109-99-9	1.00	**10.3**	[1]

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	49.1	50.00	98.1	77-129	
Surr: Dibromofluoromethane	1868-53-7	50.3	50.00	101	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	50.3	50.00	101	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.0	50.00	104	72-151	

Reissue of a previously generated report. The Client Sample ID has been revised. Information herein supersedes that of the previously issued reports.

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1206289-001
Client Sample ID: MW-01_05012012
Collection Date: 5/1/2012 945h
Received Date: 6/19/2012 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/26/2012 1550h	E200.8	0.100	< 0.100	

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Lab ID: C12050196-001
Client Sample ID: MW-01_05012012

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 05/01/12 09:45
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/04/12 21:55 / jba
Bicarbonate as HCO3	297	mg/L		1		A2320 B	05/04/12 21:55 / jba
Calcium	166	mg/L		0.5		E200.7	05/10/12 20:20 / sf
Chloride	18	mg/L		1		A4500-Cl B	05/08/12 11:05 / lr
Fluoride	0.29	mg/L		0.10		A4500-F C	05/07/12 12:22 / jba
Magnesium	60.5	mg/L		0.5		E200.7	05/10/12 20:20 / sf
Nitrogen, Ammonia as N	0.11	mg/L		0.05		A4500-NH3 G	05/11/12 13:14 / dc
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	05/07/12 11:41 / dc
Potassium	7.9	mg/L		0.5		E200.7	05/11/12 18:48 / sf
Sodium	155	mg/L	D	0.6		E200.7	05/11/12 18:48 / sf
Sulfate	659	mg/L	D	50		A4500-SO4 E	05/10/12 12:15 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	1410	mg/L		10		A2540 C	05/04/12 16:48 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/08/12 14:40 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/09/12 11:57 / smm
Cadmium	ND	ug/L		0.50		E200.8	05/08/12 14:40 / smm
Chromium	ND	ug/L		25		E200.8	05/09/12 11:57 / smm
Cobalt	ND	ug/L		10		E200.8	05/09/12 11:57 / smm
Copper	ND	ug/L		10		E200.8	05/08/12 14:40 / smm
Iron	261	ug/L		30		E200.7	05/10/12 20:20 / sf
Lead	ND	ug/L		1.0		E200.8	05/08/12 14:40 / smm
Manganese	176	ug/L		10		E200.8	05/09/12 11:57 / smm
Mercury	ND	ug/L		0.50		E200.8	05/08/12 14:40 / smm
Molybdenum	ND	ug/L		10		E200.8	05/08/12 14:40 / smm
Nickel	ND	ug/L		20		E200.8	05/08/12 14:40 / smm
Selenium	ND	ug/L		5.0		E200.8	05/08/12 14:40 / smm
Silver	ND	ug/L		10		E200.8	05/09/12 11:57 / smm
Thallium	ND	ug/L		0.50		E200.8	05/08/12 14:40 / smm
Uranium	ND	ug/L		0.30		E200.8	05/08/12 14:40 / smm
Vanadium	ND	ug/L		15		E200.8	05/09/12 11:57 / smm
Zinc	ND	ug/L		10		E200.8	05/08/12 14:40 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.4	pCi/L				E900.1	05/18/12 13:50 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	05/18/12 13:50 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	05/18/12 13:50 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050196-001
Client Sample ID: MW-01_05012012

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 05/01/12 09:45
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	2.74	%				Calculation	05/15/12 07:07 / kbh
Anions	19.1	meq/L				Calculation	05/15/12 07:07 / kbh
Cations	20.2	meq/L				Calculation	05/15/12 07:07 / kbh
Solids, Total Dissolved Calculated	1220	mg/L				Calculation	05/15/12 07:07 / kbh
TDS Balance (0.80 - 1.20)	1.16					Calculation	05/15/12 07:07 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/09/12 03:28 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/09/12 03:28 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/09/12 03:28 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/09/12 03:28 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/09/12 03:28 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/09/12 03:28 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/09/12 03:28 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/09/12 03:28 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/09/12 03:28 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/09/12 03:28 / jlr
Surr: 1,2-Dichlorobenzene-d4	94.0	%REC		80-120		SW8260B	05/09/12 03:28 / jlr
Surr: Dibromofluoromethane	104	%REC		70-130		SW8260B	05/09/12 03:28 / jlr
Surr: p-Bromofluorobenzene	98.0	%REC		80-120		SW8260B	05/09/12 03:28 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	05/09/12 03:28 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205202-001A
Client Sample ID: MW-02_05092012
Collection Date: 5/9/2012 845h
Received Date: 5/11/2012 1300h

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

Analyzed: 5/12/2012 2102h
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	51.2	50.00	102	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.0	50.00	102	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	50.9	50.00	102	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.4	50.00	117	72-151	

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205500-001
Client Sample ID: MW-02_05092012
Collection Date: 5/9/2012 0845h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1538h	E200.8	0.100	< 0.100	

This sample was not digested pursuant to the client request.

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Jose Rocha
QA Officer

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Lab ID: C12050443-001
Client Sample ID: MW-02_05092012

Report Date: 06/14/12
Collection Date: 05/09/12 08:45
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/11/12 19:08 / jba
Bicarbonate as HCO3	381	mg/L		1		A2320 B	05/11/12 19:08 / jba
Calcium	349	mg/L		0.5		E200.7	05/11/12 19:57 / sf
Chloride	7	mg/L		1		A4500-Cl B	05/17/12 11:20 / lr
Fluoride	0.27	mg/L		0.10		A4500-F C	05/11/12 12:45 / jba
Magnesium	101	mg/L		0.5		E200.7	05/11/12 19:57 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	05/14/12 15:39 / dc
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	05/16/12 12:38 / dc
Potassium	11.1	mg/L		0.5		E200.7	05/11/12 19:57 / sf
Sodium	466	mg/L		0.5		E200.7	05/11/12 19:57 / sf
Sulfate	1930	mg/L	D	50		A4500-SO4 E	05/18/12 09:39 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3140	mg/L		10		A2540 C	05/11/12 16:35 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/21/12 22:10 / cp
Beryllium	ND	ug/L		0.50		E200.8	05/21/12 22:10 / cp
Cadmium	ND	ug/L		0.50		E200.8	05/21/12 22:10 / cp
Chromium	ND	ug/L		25		E200.8	05/21/12 22:10 / cp
Cobalt	ND	ug/L		10		E200.8	05/21/12 22:10 / cp
Copper	ND	ug/L		10		E200.8	05/21/12 22:10 / cp
Iron	ND	ug/L		30		E200.7	05/11/12 19:57 / sf
Lead	ND	ug/L		1.0		E200.8	05/21/12 22:10 / cp
Manganese	ND	ug/L		10		E200.8	05/21/12 22:10 / cp
Mercury	ND	ug/L		0.50		E200.8	05/21/12 22:10 / cp
Molybdenum	ND	ug/L		10		E200.8	05/21/12 22:10 / cp
Nickel	ND	ug/L		20		E200.8	05/21/12 22:10 / cp
Selenium	15.7	ug/L		5.0		E200.8	05/21/12 22:10 / cp
Silver	ND	ug/L		10		E200.8	05/21/12 22:10 / cp
Thallium	ND	ug/L		0.50		E200.8	05/21/12 22:10 / cp
Uranium	13.8	ug/L		0.30		E200.8	05/21/12 22:10 / cp
Vanadium	ND	ug/L		15		E200.8	05/21/12 22:10 / cp
Zinc	ND	ug/L		10		E200.8	05/21/12 22:10 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.6	pCi/L				E900.1	06/04/12 16:54 / lbb
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	06/04/12 16:54 / lbb
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	06/04/12 16:54 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050443-001
Client Sample ID: MW-02_05092012

Report Date: 06/14/12
Collection Date: 05/09/12 08:45
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-0.445	%				Calculation	05/21/12 07:04 / kbh
Anions	46.7	meq/L				Calculation	05/21/12 07:04 / kbh
Cations	46.3	meq/L				Calculation	05/21/12 07:04 / kbh
Solids, Total Dissolved Calculated	3070	mg/L				Calculation	05/21/12 07:04 / kbh
TDS Balance (0.80 - 1.20)	1.02					Calculation	05/21/12 07:04 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/15/12 15:18 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/15/12 15:18 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/15/12 15:18 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/15/12 15:18 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/15/12 15:18 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/15/12 15:18 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/15/12 15:18 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/15/12 15:18 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/15/12 15:18 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/15/12 15:18 / jlr
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC		80-120		SW8260B	05/15/12 15:18 / jlr
Surr: Dibromofluoromethane	92.0	%REC		70-130		SW8260B	05/15/12 15:18 / jlr
Surr: p-Bromofluorobenzene	126	%REC	S	80-120		SW8260B	05/15/12 15:18 / jlr
Surr: Toluene-d8	100	%REC		80-120		SW8260B	05/15/12 15:18 / jlr

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.

American West
ANALYTICAL LABORATORIES

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205319-001A
Client Sample ID: MW-03_05142012
Collection Date: 5/14/2012 1430h
Received Date: 5/18/2012 1000h

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

Analyzed: 5/18/2012 1313h
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	52.1	50.00	104	77-129	
Surr: Dibromofluoromethane	1868-53-7	50.0	50.00	100	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	52.6	50.00	105	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.0	50.00	116	72-151	

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205499-001
Client Sample ID: MW-03_05142012
Collection Date: 5/14/2012 1430h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1708h	E200.8	0.100	< 0.100	

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: Semi-Annual Groundwater 2012
Lab ID: C12050723-001
Client Sample ID: MW-03_05142012

Revised Date: 07/31/12
Report Date: 06/15/12
Collection Date: 05/14/12 14:30
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/19/12 01:39 / jba
Bicarbonate as HCO3	207	mg/L		1		A2320 B	05/19/12 01:39 / jba
Calcium	453	mg/L		0.5		E200.7	05/21/12 14:27 / sf
Chloride	66	mg/L		1		A4500-Cl B	05/30/12 09:12 / lr
Fluoride	1.04	mg/L		0.10		A4500-F C	05/18/12 14:07 / jba
Magnesium	254	mg/L		0.5		E200.7	05/21/12 14:27 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	05/21/12 15:06 / dc
Nitrogen, Nitrate+Nitrite as N	0.4	mg/L		0.1		E353.2	05/22/12 16:35 / dc
Potassium	30.2	mg/L		0.5		E200.7	05/21/12 14:27 / sf
Sodium	695	mg/L		0.5		E200.7	05/21/12 14:27 / sf
Sulfate	3140	mg/L	D	50		A4500-SO4 E	05/23/12 11:04 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	5420	mg/L		10		A2540 C	05/21/12 11:01 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/21/12 22:46 / cp
Beryllium	ND	ug/L		0.50		E200.8	05/21/12 22:46 / cp
Cadmium	1.06	ug/L		0.50		E200.8	05/21/12 22:46 / cp
Chromium	ND	ug/L		25		E200.8	05/21/12 22:46 / cp
Cobalt	ND	ug/L		10		E200.8	05/21/12 22:46 / cp
Copper	ND	ug/L		10		E200.8	05/21/12 22:46 / cp
Iron	ND	ug/L		30		E200.7	05/21/12 14:27 / sf
Lead	ND	ug/L		1.0		E200.8	05/23/12 03:18 / cp
Manganese	114	ug/L		10		E200.8	05/21/12 22:46 / cp
Mercury	ND	ug/L		0.50		E200.8	05/23/12 03:18 / cp
Molybdenum	ND	ug/L		10		E200.8	05/21/12 22:46 / cp
Nickel	ND	ug/L		20		E200.8	05/21/12 22:46 / cp
Selenium	52.8	ug/L		5.0		E200.8	05/21/12 22:46 / cp
Silver	ND	ug/L		10		E200.8	05/21/12 22:46 / cp
Thallium	1.37	ug/L		0.50		E200.8	07/09/12 13:23 / smm
Uranium	18.2	ug/L		0.30		E200.8	05/23/12 03:18 / cp
Vanadium	ND	ug/L		15		E200.8	05/21/12 22:46 / cp
Zinc	68	ug/L		10		E200.8	05/21/12 22:46 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.1	pCi/L	U			E900.1	05/30/12 22:29 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	05/30/12 22:29 / lbb
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	05/30/12 22:29 / lbb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at 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: Semi-Annual Groundwater 2012
Lab ID: C12050723-001
Client Sample ID: MW-03_05142012

Revised Date: 07/31/12
Report Date: 06/15/12
Collection Date: 05/14/12 14:30
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	2.59	%				A1030 E	06/01/12 07:11 / kbh
Anions	70.8	meq/L				A1030 E	06/01/12 07:11 / kbh
Cations	74.5	meq/L				A1030 E	06/01/12 07:11 / kbh
Solids, Total Dissolved Calculated	4760	mg/L				A1030 E	06/01/12 07:11 / kbh
TDS Balance (0.80 - 1.20)	1.14					A1030 E	06/01/12 07:11 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/24/12 01:53 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/24/12 01:53 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/24/12 01:53 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/24/12 01:53 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/24/12 01:53 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/24/12 01:53 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/24/12 01:53 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/24/12 01:53 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/24/12 01:53 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/24/12 01:53 / jlr
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC		80-120		SW8260B	05/24/12 01:53 / jlr
Surr: Dibromofluoromethane	118	%REC		70-130		SW8260B	05/24/12 01:53 / jlr
Surr: p-Bromofluorobenzene	90.0	%REC		80-120		SW8260B	05/24/12 01:53 / jlr
Surr: Toluene-d8	99.0	%REC		80-120		SW8260B	05/24/12 01:53 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205319-002A
Client Sample ID: MW-03A_05152012
Collection Date: 5/15/2012 1000h
Received Date: 5/18/2012 1000h

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

Analyzed: 5/18/2012 1410h
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	52.4	50.00	105	77-129	
Surr: Dibromofluoromethane	1868-53-7	50.4	50.00	101	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	52.1	50.00	104	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.2	50.00	106	72-151	

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205499-002
Client Sample ID: MW-03A_05152012
Collection Date: 5/15/2012 1000h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1711h	E200.8	0.100	< 0.100	

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: Semi-Annual Groundwater 2012
Lab ID: C12050723-002
Client Sample ID: MW-03A_05152012

Revised Date: 07/31/12
Report Date: 06/15/12
Collection Date: 05/15/12 10:00
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/19/12 01:47 / jba
Bicarbonate as HCO3	386	mg/L		1		A2320 B	05/19/12 01:47 / jba
Calcium	477	mg/L		0.5		E200.7	05/21/12 14:43 / sf
Chloride	62	mg/L		1		A4500-Cl B	05/30/12 09:14 / lr
Fluoride	1.06	mg/L		0.10		A4500-F C	05/18/12 14:15 / jba
Magnesium	305	mg/L		0.5		E200.7	05/21/12 14:43 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	05/21/12 15:14 / dc
Nitrogen, Nitrate+Nitrite as N	1.1	mg/L		0.1		E353.2	05/22/12 16:38 / dc
Potassium	33.5	mg/L		0.5		E200.7	05/21/12 14:43 / sf
Sodium	748	mg/L		0.5		E200.7	05/21/12 14:43 / sf
Sulfate	3220	mg/L	D	50		A4500-SO4 E	05/23/12 11:07 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	5730	mg/L		10		A2540 C	05/21/12 11:02 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	07/03/12 09:40 / cp
Beryllium	0.76	ug/L		0.50		E200.8	07/03/12 09:40 / cp
Cadmium	0.94	ug/L		0.50		E200.8	07/03/12 09:40 / cp
Chromium	ND	ug/L		25		E200.8	07/03/12 09:40 / cp
Cobalt	ND	ug/L		10		E200.8	07/03/12 09:40 / cp
Copper	ND	ug/L		10		E200.8	07/03/12 09:40 / cp
Iron	ND	ug/L		30		E200.7	05/21/12 14:43 / sf
Lead	ND	ug/L		1.0		E200.8	07/03/12 09:40 / cp
Manganese	54	ug/L		10		E200.8	07/03/12 09:40 / cp
Mercury	ND	ug/L		0.50		E200.8	05/21/12 22:51 / cp
Molybdenum	ND	ug/L		10		E200.8	07/03/12 09:40 / cp
Nickel	ND	ug/L		20		E200.8	07/03/12 09:40 / cp
Selenium	85.1	ug/L		5.0		E200.8	07/03/12 09:40 / cp
Silver	ND	ug/L		10		E200.8	07/03/12 09:40 / cp
Thallium	0.92	ug/L		0.50		E200.8	07/03/12 09:40 / cp
Uranium	22.1	ug/L		0.30		E200.8	07/03/12 09:40 / cp
Vanadium	ND	ug/L		15		E200.8	07/03/12 09:40 / cp
Zinc	34	ug/L		10		E200.8	07/03/12 09:40 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.6	pCi/L				E900.1	05/30/12 22:29 / lbb
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	05/30/12 22:29 / lbb
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	05/30/12 22:29 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050723-002
Client Sample ID: MW-03A_05152012

Revised Date: 07/31/12
Report Date: 06/15/12
Collection Date: 05/15/12 10:00
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	4.38	%				A1030 E	06/01/12 07:11 / kbh
Anions	75.4	meq/L				A1030 E	06/01/12 07:11 / kbh
Cations	82.3	meq/L				A1030 E	06/01/12 07:11 / kbh
Solids, Total Dissolved Calculated	5060	mg/L				A1030 E	06/01/12 07:11 / kbh
TDS Balance (0.80 - 1.20)	1.13					A1030 E	06/01/12 07:11 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/24/12 05:32 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/24/12 05:32 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/24/12 05:32 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/24/12 05:32 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/24/12 05:32 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/24/12 05:32 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/24/12 05:32 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/24/12 05:32 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/24/12 05:32 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/24/12 05:32 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC		80-120		SW8260B	05/24/12 05:32 / jlr
Surr: Dibromofluoromethane	112	%REC		70-130		SW8260B	05/24/12 05:32 / jlr
Surr: p-Bromofluorobenzene	88.0	%REC		80-120		SW8260B	05/24/12 05:32 / jlr
Surr: Toluene-d8	101	%REC		80-120		SW8260B	05/24/12 05:32 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205202-002A
Client Sample ID: MW-05_05092012
Collection Date: 5/9/2012 1450h
Received Date: 5/11/2012 1300h

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

Analyzed: 5/12/2012 2218h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Tetrahydrofuran	109-99-9	1.00	**3.02**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	51.6	50.00	103	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.7	50.00	103	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	50.4	50.00	101	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.9	50.00	118	72-151	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205500-002
Client Sample ID: MW-05_05092012
Collection Date: 5/9/2012 1450h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1542h	E200.8	0.100	< 0.100	

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: Semi-Annual Groundwater 2012
Lab ID: C12050443-002
Client Sample ID: MW-05_05092012

Report Date: 06/14/12
Collection Date: 05/09/12 14:50
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/11/12 19:39 / jba
Bicarbonate as HCO3	393	mg/L		1		A2320 B	05/11/12 19:39 / jba
Calcium	154	mg/L		0.5		E200.7	05/11/12 20:01 / sf
Chloride	56	mg/L		1		A4500-Cl B	05/17/12 11:23 / lr
Fluoride	0.79	mg/L		0.10		A4500-F C	05/11/12 12:50 / jba
Magnesium	44.7	mg/L		0.5		E200.7	05/11/12 20:01 / sf
Nitrogen, Ammonia as N	0.58	mg/L		0.05		A4500-NH3 G	05/14/12 15:41 / dc
Nitrogen, Nitrate+Nitrite as N	0.1	mg/L		0.1		E353.2	05/16/12 12:41 / dc
Potassium	9.2	mg/L		0.5		E200.7	05/11/12 20:01 / sf
Sodium	477	mg/L		0.5		E200.7	05/11/12 20:01 / sf
Sulfate	1220	mg/L	D	50		A4500-SO4 E	05/18/12 11:17 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	2250	mg/L		10		A2540 C	05/11/12 16:35 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/21/12 22:14 / cp
Beryllium	ND	ug/L		0.50		E200.8	05/15/12 13:23 / cp
Cadmium	ND	ug/L		0.50		E200.8	05/21/12 22:14 / cp
Chromium	ND	ug/L		25		E200.8	05/21/12 22:14 / cp
Cobalt	ND	ug/L		10		E200.8	05/21/12 22:14 / cp
Copper	ND	ug/L		10		E200.8	05/21/12 22:14 / cp
Iron	59	ug/L		30		E200.7	05/11/12 20:01 / sf
Lead	ND	ug/L		1.0		E200.8	05/21/12 22:14 / cp
Manganese	275	ug/L		10		E200.8	05/21/12 22:14 / cp
Mercury	ND	ug/L		0.50		E200.8	05/21/12 22:14 / cp
Molybdenum	ND	ug/L		10		E200.8	05/21/12 22:14 / cp
Nickel	ND	ug/L		20		E200.8	05/21/12 22:14 / cp
Selenium	ND	ug/L		5.0		E200.8	05/21/12 22:14 / cp
Silver	ND	ug/L		10		E200.8	05/21/12 22:14 / cp
Thallium	ND	ug/L		0.50		E200.8	05/21/12 22:14 / cp
Uranium	1.23	ug/L		0.30		E200.8	05/21/12 22:14 / cp
Vanadium	ND	ug/L		15		E200.8	05/21/12 22:14 / cp
Zinc	ND	ug/L		10		E200.8	05/21/12 22:14 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.3	pCi/L				E900.1	06/04/12 16:54 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	06/04/12 16:54 / lbb
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	06/04/12 16:54 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050443-002
Client Sample ID: MW-05_05092012

Report Date: 06/14/12
Collection Date: 05/09/12 14:50
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-1.66	%				Calculation	05/21/12 07:04 / kbh
Anions	33.5	meq/L				Calculation	05/21/12 07:04 / kbh
Cations	32.4	meq/L				Calculation	05/21/12 07:04 / kbh
Solids, Total Dissolved Calculated	2170	mg/L				Calculation	05/21/12 07:04 / kbh
TDS Balance (0.80 - 1.20)	1.04					Calculation	05/21/12 07:04 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/15/12 15:53 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/15/12 15:53 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/15/12 15:53 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/15/12 15:53 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/15/12 15:53 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/15/12 15:53 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/15/12 15:53 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/15/12 15:53 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/15/12 15:53 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/15/12 15:53 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC		80-120		SW8260B	05/15/12 15:53 / jlr
Surr: Dibromofluoromethane	94.0	%REC		70-130		SW8260B	05/15/12 15:53 / jlr
Surr: p-Bromofluorobenzene	126	%REC	S	80-120		SW8260B	05/15/12 15:53 / jlr
Surr: Toluene-d8	100	%REC		80-120		SW8260B	05/15/12 15:53 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205202-003A
Client Sample ID: MW-11_05082012
Collection Date: 5/8/2012 1440h
Received Date: 5/11/2012 1300h

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

Analyzed: 5/12/2012 2237h
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	51.4	50.00	103	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.7	50.00	103	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	51.2	50.00	103	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.9	50.00	110	72-151	

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205500-003
Client Sample ID: MW-11_05082012
Collection Date: 5/8/2012 1440h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1545h	E200.8	0.100	< 0.100	

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: Semi-Annual Groundwater 2012
Lab ID: C12050443-003
Client Sample ID: MW-11_05082012

Report Date: 06/14/12
Collection Date: 05/08/12 14:40
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/11/12 19:56 / jba
Bicarbonate as HCO3	376	mg/L		1		A2320 B	05/11/12 19:56 / jba
Calcium	63.7	mg/L		0.5		E200.7	05/11/12 20:05 / sf
Chloride	30	mg/L		1		A4500-Cl B	05/17/12 11:28 / lr
Fluoride	0.49	mg/L		0.10		A4500-F C	05/11/12 12:55 / jba
Magnesium	19.3	mg/L		0.5		E200.7	05/11/12 20:05 / sf
Nitrogen, Ammonia as N	0.70	mg/L		0.05		A4500-NH3 G	05/14/12 15:43 / dc
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	05/16/12 12:43 / dc
Potassium	7.0	mg/L		0.5		E200.7	05/11/12 20:05 / sf
Sodium	517	mg/L		0.5		E200.7	05/11/12 20:05 / sf
Sulfate	1090	mg/L	D	50		A4500-SO4 E	05/18/12 11:18 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	2040	mg/L		10		A2540 C	05/11/12 16:35 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/21/12 22:19 / cp
Beryllium	ND	ug/L		0.50		E200.8	05/21/12 22:19 / cp
Cadmium	ND	ug/L		0.50		E200.8	05/21/12 22:19 / cp
Chromium	ND	ug/L		25		E200.8	05/21/12 22:19 / cp
Cobalt	ND	ug/L		10		E200.8	05/21/12 22:19 / cp
Copper	ND	ug/L		10		E200.8	05/21/12 22:19 / cp
Iron	186	ug/L		30		E200.7	05/11/12 20:05 / sf
Lead	ND	ug/L		1.0		E200.8	05/21/12 22:19 / cp
Manganese	127	ug/L		10		E200.8	05/21/12 22:19 / cp
Mercury	ND	ug/L		0.50		E200.8	05/21/12 22:19 / cp
Molybdenum	ND	ug/L		10		E200.8	05/21/12 22:19 / cp
Nickel	ND	ug/L		20		E200.8	05/21/12 22:19 / cp
Selenium	ND	ug/L		5.0		E200.8	05/21/12 22:19 / cp
Silver	ND	ug/L		10		E200.8	05/21/12 22:19 / cp
Thallium	ND	ug/L		0.50		E200.8	05/21/12 22:19 / cp
Uranium	0.62	ug/L		0.30		E200.8	05/21/12 22:19 / cp
Vanadium	ND	ug/L		15		E200.8	05/21/12 22:19 / cp
Zinc	ND	ug/L		10		E200.8	05/21/12 22:19 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.1	pCi/L	U			E900.1	06/04/12 16:54 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	06/04/12 16:54 / lbb
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	06/04/12 16:54 / lbb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at 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: Semi-Annual Groundwater 2012
Lab ID: C12050443-003
Client Sample ID: MW-11_05082012

Report Date: 06/14/12
Collection Date: 05/08/12 14:40
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-3.99	%				Calculation	05/21/12 07:04 / kbh
Anions	29.8	meq/L				Calculation	05/21/12 07:04 / kbh
Cations	27.5	meq/L				Calculation	05/21/12 07:04 / kbh
Solids, Total Dissolved Calculated	1930	mg/L				Calculation	05/21/12 07:04 / kbh
TDS Balance (0.80 - 1.20)	1.06					Calculation	05/21/12 07:04 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/15/12 16:28 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/15/12 16:28 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/15/12 16:28 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/15/12 16:28 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/15/12 16:28 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/15/12 16:28 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/15/12 16:28 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/15/12 16:28 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/15/12 16:28 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/15/12 16:28 / jlr
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC		80-120		SW8260B	05/15/12 16:28 / jlr
Surr: Dibromofluoromethane	94.0	%REC		70-130		SW8260B	05/15/12 16:28 / jlr
Surr: p-Bromofluorobenzene	122	%REC	S	80-120		SW8260B	05/15/12 16:28 / jlr
Surr: Toluene-d8	100	%REC		80-120		SW8260B	05/15/12 16:28 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205202-004A
Client Sample ID: MW-12_05102012
Collection Date: 5/10/2012 700h
Received Date: 5/11/2012 1300h

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

Analyzed: 5/12/2012 2256h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Tetrahydrofuran	109-99-9	1.00	**1.08**	

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	52.5	50.00	105	77-129	
Surr: Dibromofluoromethane	1868-53-7	52.4	50.00	105	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	52.4	50.00	105	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.5	50.00	115	72-151	

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205500-004
Client Sample ID: MW-12_05102012
Collection Date: 5/10/2012 0700h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1548h	E200.8	0.100	< 0.100	

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: Semi-Annual Groundwater 2012
Lab ID: C12050443-004
Client Sample ID: MW-12_05102012

Report Date: 06/14/12
Collection Date: 05/10/12 07:00
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/11/12 20:12 / jba
Bicarbonate as HCO3	420	mg/L		1		A2320 B	05/11/12 20:12 / jba
Calcium	523	mg/L		0.5		E200.7	05/11/12 20:46 / sf
Chloride	63	mg/L		1		A4500-Cl B	05/17/12 11:30 / lr
Fluoride	0.23	mg/L		0.10		A4500-F C	05/11/12 13:01 / jba
Magnesium	223	mg/L		0.5		E200.7	05/11/12 20:46 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	05/14/12 15:45 / dc
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1		E353.2	05/16/12 12:46 / dc
Potassium	14.9	mg/L		0.5		E200.7	05/11/12 20:46 / sf
Sodium	299	mg/L		0.5		E200.7	05/11/12 20:46 / sf
Sulfate	2320	mg/L	D	50		A4500-SO4 E	05/18/12 11:21 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3980	mg/L		10		A2540 C	05/11/12 16:35 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/21/12 22:41 / cp
Beryllium	ND	ug/L		0.50		E200.8	05/21/12 22:41 / cp
Cadmium	ND	ug/L		0.50		E200.8	05/21/12 22:41 / cp
Chromium	ND	ug/L		25		E200.8	05/21/12 22:41 / cp
Cobalt	ND	ug/L		10		E200.8	05/21/12 22:41 / cp
Copper	ND	ug/L		10		E200.8	05/21/12 22:41 / cp
Iron	88	ug/L		30		E200.7	05/11/12 20:46 / sf
Lead	ND	ug/L		1.0		E200.8	05/21/12 22:41 / cp
Manganese	144	ug/L		10		E200.8	05/21/12 22:41 / cp
Mercury	ND	ug/L		0.50		E200.8	05/21/12 22:41 / cp
Molybdenum	ND	ug/L		10		E200.8	05/21/12 22:41 / cp
Nickel	ND	ug/L		20		E200.8	05/21/12 22:41 / cp
Selenium	19.6	ug/L		5.0		E200.8	05/21/12 22:41 / cp
Silver	ND	ug/L		10		E200.8	05/21/12 22:41 / cp
Thallium	ND	ug/L		0.50		E200.8	05/21/12 22:41 / cp
Uranium	19.6	ug/L		0.30		E200.8	05/21/12 22:41 / cp
Vanadium	ND	ug/L		15		E200.8	05/21/12 22:41 / cp
Zinc	ND	ug/L		10		E200.8	05/21/12 22:41 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.4	pCi/L				E900.1	06/04/12 16:54 / lbb
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	06/04/12 16:54 / lbb
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	06/04/12 16:54 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050443-004
Client Sample ID: MW-12_05102012

Report Date: 06/14/12
Collection Date: 05/10/12 07:00
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	0.814	%				Calculation	05/21/12 07:04 / kbh
Anions	56.9	meq/L				Calculation	05/21/12 07:04 / kbh
Cations	57.9	meq/L				Calculation	05/21/12 07:04 / kbh
Solids, Total Dissolved Calculated	3680	mg/L				Calculation	05/21/12 07:04 / kbh
TDS Balance (0.80 - 1.20)	1.08					Calculation	05/21/12 07:04 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/15/12 17:04 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/15/12 17:04 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/15/12 17:04 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/15/12 17:04 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/15/12 17:04 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/15/12 17:04 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/15/12 17:04 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/15/12 17:04 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/15/12 17:04 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/15/12 17:04 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC		80-120		SW8260B	05/15/12 17:04 / jlr
Surr: Dibromofluoromethane	104	%REC		70-130		SW8260B	05/15/12 17:04 / jlr
Surr: p-Bromofluorobenzene	127	%REC	S	80-120		SW8260B	05/15/12 17:04 / jlr
Surr: Toluene-d8	101	%REC		80-120		SW8260B	05/15/12 17:04 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205202-005A
Client Sample ID: MW-14_05092012
Collection Date: 5/9/2012 920h
Received Date: 5/11/2012 1300h

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

Analyzed: 5/12/2012 2315h
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	50.0	50.00	100	77-129	
Surr: Dibromofluoromethane	1868-53-7	50.2	50.00	101	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	48.7	50.00	97.5	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.1	50.00	116	72-151	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205500-005
Client Sample ID: MW-14_05092012
Collection Date: 5/9/2012 0920h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1614h	E200.8	0.100	< 0.100	

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: Semi-Annual Groundwater 2012
Lab ID: C12050443-005
Client Sample ID: MW-14_05092012

Report Date: 06/14/12
Collection Date: 05/09/12 09:20
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/11/12 20:20 / jba
Bicarbonate as HCO3	468	mg/L		1		A2320 B	05/11/12 20:20 / jba
Calcium	525	mg/L		0.5		E200.7	05/11/12 20:50 / sf
Chloride	17	mg/L		1		A4500-Cl B	05/17/12 11:36 / lr
Fluoride	0.15	mg/L		0.10		A4500-F C	05/11/12 13:04 / jba
Magnesium	160	mg/L		0.5		E200.7	05/11/12 20:50 / sf
Nitrogen, Ammonia as N	0.06	mg/L		0.05		A4500-NH3 G	05/14/12 15:47 / dc
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	05/16/12 12:48 / dc
Potassium	14.0	mg/L		0.5		E200.7	05/11/12 20:50 / sf
Sodium	350	mg/L		0.5		E200.7	05/11/12 20:50 / sf
Sulfate	2110	mg/L	D	50		A4500-SO4 E	05/18/12 11:27 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3710	mg/L		10		A2540 C	05/11/12 16:36 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/11/12 13:35 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/11/12 13:35 / smm
Cadmium	1.30	ug/L		0.50		E200.8	05/11/12 13:35 / smm
Chromium	ND	ug/L		25		E200.8	05/11/12 13:35 / smm
Cobalt	ND	ug/L		10		E200.8	05/11/12 13:35 / smm
Copper	ND	ug/L		10		E200.8	05/11/12 13:35 / smm
Iron	ND	ug/L		30		E200.7	05/11/12 20:50 / sf
Lead	ND	ug/L		1.0		E200.8	05/11/12 13:35 / smm
Manganese	2360	ug/L		10		E200.8	05/11/12 13:35 / smm
Mercury	ND	ug/L		0.50		E200.8	05/11/12 13:35 / smm
Molybdenum	ND	ug/L		10		E200.8	05/11/12 13:35 / smm
Nickel	ND	ug/L		20		E200.8	05/11/12 13:35 / smm
Selenium	ND	ug/L		5.0		E200.8	05/11/12 13:35 / smm
Silver	ND	ug/L		10		E200.8	05/11/12 13:35 / smm
Thallium	ND	ug/L		0.50		E200.8	05/11/12 13:35 / smm
Uranium	60.3	ug/L		0.30		E200.8	05/11/12 13:35 / smm
Vanadium	ND	ug/L		15		E200.8	05/11/12 13:35 / smm
Zinc	11	ug/L		10		E200.8	05/11/12 13:35 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.2	pCi/L	U			E900.1	06/04/12 16:54 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	06/04/12 16:54 / lbb
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	06/04/12 16:54 / lbb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at 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: Semi-Annual Groundwater 2012
Lab ID: C12050443-005
Client Sample ID: MW-14_05092012

Report Date: 06/14/12
Collection Date: 05/09/12 09:20
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	2.70	%				Calculation	05/21/12 07:04 / kbh
Anions	52.1	meq/L				Calculation	05/21/12 07:04 / kbh
Cations	55.0	meq/L				Calculation	05/21/12 07:04 / kbh
Solids, Total Dissolved Calculated	3420	mg/L				Calculation	05/21/12 07:04 / kbh
TDS Balance (0.80 - 1.20)	1.08					Calculation	05/21/12 07:04 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/15/12 17:39 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/15/12 17:39 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/15/12 17:39 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/15/12 17:39 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/15/12 17:39 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/15/12 17:39 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/15/12 17:39 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/15/12 17:39 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/15/12 17:39 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/15/12 17:39 / jlr
Surr: 1,2-Dichlorobenzene-d4	99.0	%REC		80-120		SW8260B	05/15/12 17:39 / jlr
Surr: Dibromofluoromethane	104	%REC		70-130		SW8260B	05/15/12 17:39 / jlr
Surr: p-Bromofluorobenzene	130	%REC	S	80-120		SW8260B	05/15/12 17:39 / jlr
Surr: Toluene-d8	102	%REC		80-120		SW8260B	05/15/12 17:39 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205202-006A
Client Sample ID: MW-15_05092012
Collection Date: 5/9/2012 1245h
Received Date: 5/11/2012 1300h

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

Analyzed: 5/12/2012 2334h
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	51.7	50.00	103	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.7	50.00	103	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	51.3	50.00	103	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.3	50.00	117	72-151	

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205500-006
Client Sample ID: MW-15_05092012
Collection Date: 5/9/2012 1245h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1618h	E200.8	0.100	< 0.100	

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: Semi-Annual Groundwater 2012
Lab ID: C12050443-006
Client Sample ID: MW-15_05092012

Report Date: 06/14/12
Collection Date: 05/09/12 12:45
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/11/12 20:29 / jba
Bicarbonate as HCO3	430	mg/L		1		A2320 B	05/11/12 20:29 / jba
Calcium	461	mg/L		0.5		E200.7	05/11/12 21:02 / sf
Chloride	38	mg/L		1		A4500-Cl B	05/17/12 11:39 / lr
Fluoride	0.21	mg/L		0.10		A4500-F C	05/11/12 13:07 / jba
Magnesium	171	mg/L		0.5		E200.7	05/11/12 21:02 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	05/14/12 15:53 / dc
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1		E353.2	05/16/12 12:51 / dc
Potassium	12.4	mg/L		0.5		E200.7	05/11/12 21:02 / sf
Sodium	493	mg/L		0.5		E200.7	05/11/12 21:02 / sf
Sulfate	2340	mg/L	D	50		A4500-SO4 E	05/18/12 11:30 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	4010	mg/L		10		A2540 C	05/11/12 16:36 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/11/12 13:39 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/11/12 13:39 / smm
Cadmium	ND	ug/L		0.50		E200.8	05/11/12 13:39 / smm
Chromium	ND	ug/L		25		E200.8	05/11/12 13:39 / smm
Cobalt	ND	ug/L		10		E200.8	05/11/12 13:39 / smm
Copper	ND	ug/L		10		E200.8	05/11/12 13:39 / smm
Iron	ND	ug/L		30		E200.7	05/11/12 21:02 / sf
Lead	ND	ug/L		1.0		E200.8	05/11/12 13:39 / smm
Manganese	ND	ug/L		10		E200.8	05/11/12 13:39 / smm
Mercury	ND	ug/L		0.50		E200.8	05/11/12 13:39 / smm
Molybdenum	ND	ug/L		10		E200.8	05/11/12 13:39 / smm
Nickel	ND	ug/L		20		E200.8	05/11/12 13:39 / smm
Selenium	152	ug/L		5.0		E200.8	05/11/12 13:39 / smm
Silver	ND	ug/L		10		E200.8	05/11/12 13:39 / smm
Thallium	ND	ug/L		0.50		E200.8	05/11/12 13:39 / smm
Uranium	44.3	ug/L		0.30		E200.8	05/11/12 13:39 / smm
Vanadium	ND	ug/L		15		E200.8	05/11/12 13:39 / smm
Zinc	ND	ug/L		10		E200.8	05/11/12 13:39 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.1	pCi/L	U			E900.1	06/04/12 16:54 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	06/04/12 16:54 / lbb
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	06/04/12 16:54 / lbb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at 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: Semi-Annual Groundwater 2012
Lab ID: C12050443-006
Client Sample ID: MW-15_05092012

Report Date: 06/14/12
Collection Date: 05/09/12 12:45
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	1.64	%				Calculation	05/21/12 07:04 / kbh
Anions	56.9	meq/L				Calculation	05/21/12 07:04 / kbh
Cations	58.8	meq/L				Calculation	05/21/12 07:04 / kbh
Solids, Total Dissolved Calculated	3750	mg/L				Calculation	05/21/12 07:04 / kbh
TDS Balance (0.80 - 1.20)	1.07					Calculation	05/21/12 07:04 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/15/12 18:15 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/15/12 18:15 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/15/12 18:15 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/15/12 18:15 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/15/12 18:15 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/15/12 18:15 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/15/12 18:15 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/15/12 18:15 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/15/12 18:15 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/15/12 18:15 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC		80-120		SW8260B	05/15/12 18:15 / jlr
Surr: Dibromofluoromethane	96.0	%REC		70-130		SW8260B	05/15/12 18:15 / jlr
Surr: p-Bromofluorobenzene	126	%REC	S	80-120		SW8260B	05/15/12 18:15 / jlr
Surr: Toluene-d8	101	%REC		80-120		SW8260B	05/15/12 18:15 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205130-001A
Client Sample ID: MW-17 _ 05042012
Collection Date: 5/4/2012 1025h
Received Date: 5/8/2012 1000h

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

Analyzed: 5/8/2012 1130h
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	50.6	50.00	101	77-129	
Surr: Dibromofluoromethane	1868-53-7	50.3	50.00	101	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	49.7	50.00	99.4	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.0	50.00	106	72-151	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines
Contact: Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205501-001
Client Sample ID: MW-17_05042012
Collection Date: 5/4/2012 1025h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1638h	E200.8	0.100	< 0.100	

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: Semi-Annual Groundwater 2012
Lab ID: C12050272-001
Client Sample ID: MW-17_05042012

Revised Date: 07/31/12
Report Date: 06/06/12
Collection Date: 05/04/12 10:25
DateReceived: 05/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/08/12 17:21 / jba
Bicarbonate as HCO3	442	mg/L		1		A2320 B	05/08/12 17:21 / jba
Calcium	327	mg/L		0.5		E200.7	05/10/12 21:13 / sf
Chloride	38	mg/L		1		A4500-Cl B	05/17/12 11:07 / lr
Fluoride	0.25	mg/L		0.10		A4500-F C	05/09/12 11:29 / jba
Magnesium	160	mg/L		0.5		E200.7	05/10/12 21:13 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	05/11/12 14:36 / dc
Nitrogen, Nitrate+Nitrite as N	1.4	mg/L		0.1		E353.2	05/08/12 17:36 / dc
Potassium	13.5	mg/L		0.5		E200.7	05/11/12 19:41 / sf
Sodium	534	mg/L		0.5		E200.7	05/11/12 19:41 / sf
Sulfate	2170	mg/L	D	50		A4500-SO4 E	05/10/12 12:40 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3890	mg/L		10		A2540 C	05/09/12 14:08 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/10/12 12:33 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/10/12 12:33 / smm
Cadmium	ND	ug/L		0.50		E200.8	05/10/12 12:33 / smm
Chromium	ND	ug/L		25		E200.8	05/10/12 12:33 / smm
Cobalt	ND	ug/L		10		E200.8	05/10/12 12:33 / smm
Copper	ND	ug/L		10		E200.8	05/10/12 12:33 / smm
Iron	ND	ug/L		30		E200.7	05/10/12 21:13 / sf
Lead	ND	ug/L		1.0		E200.8	05/10/12 12:33 / smm
Manganese	102	ug/L		10		E200.8	05/10/12 12:33 / smm
Mercury	ND	ug/L		0.50		E200.8	05/10/12 12:33 / smm
Molybdenum	ND	ug/L		10		E200.8	05/10/12 12:33 / smm
Nickel	ND	ug/L		20		E200.8	05/10/12 12:33 / smm
Selenium	16.1	ug/L		5.0		E200.8	05/10/12 12:33 / smm
Silver	ND	ug/L		10		E200.8	05/10/12 12:33 / smm
Thallium	ND	ug/L		0.50		E200.8	05/10/12 12:33 / smm
Uranium	24.0	ug/L		0.30		E200.8	05/10/12 12:33 / smm
Vanadium	ND	ug/L		15		E200.8	05/10/12 12:33 / smm
Zinc	ND	ug/L		10		E200.8	05/10/12 12:33 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.3	pCi/L				E900.1	05/18/12 20:05 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	05/18/12 20:05 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	05/18/12 20:05 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050272-001
Client Sample ID: MW-17_05042012

Revised Date: 07/31/12
Report Date: 06/06/12
Collection Date: 05/04/12 10:25
DateReceived: 05/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-0.493	%				Calculation	05/18/12 06:42 / kbh
Anions	53.6	meq/L				Calculation	05/18/12 06:42 / kbh
Cations	53.0	meq/L				Calculation	05/18/12 06:42 / kbh
Solids, Total Dissolved Calculated	3480	mg/L				Calculation	05/18/12 06:42 / kbh
TDS Balance (0.80 - 1.20)	1.12					Calculation	05/18/12 06:42 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/11/12 14:04 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/11/12 14:04 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/11/12 14:04 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/11/12 14:04 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/11/12 14:04 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/11/12 14:04 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/11/12 14:04 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/11/12 14:04 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/11/12 14:04 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/11/12 14:04 / jlr
Surr: 1,2-Dichlorobenzene-d4	92.0	%REC		80-120		SW8260B	05/11/12 14:04 / jlr
Surr: Dibromofluoromethane	97.0	%REC		70-130		SW8260B	05/11/12 14:04 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC		80-120		SW8260B	05/11/12 14:04 / jlr
Surr: Toluene-d8	96.0	%REC		80-120		SW8260B	05/11/12 14:04 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205087-002A
Client Sample ID: MW-18_04302012
Collection Date: 4/30/2012 1455h
Received Date: 5/4/2012 930h

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

Analyzed: 5/4/2012 1132h
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	50.3	50.00	101	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.2	50.00	102	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	51.2	50.00	102	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	59.6	50.00	119	72-151	

Reissue of a previously generated report. The Client Sample ID has been revised. Information herein supersedes that of the previously issued reports.

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1206289-002
Client Sample ID: MW-18_04302012
Collection Date: 4/30/2012 1455h
Received Date: 6/19/2012 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/26/2012 1554h	E200.6	0.100	< 0.100	

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Lab ID: C12050196-002
Client Sample ID: MW-18_04302012

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 04/30/12 14:55
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/04/12 22:03 / jba
Bicarbonate as HCO3	471	mg/L		1		A2320 B	05/04/12 22:03 / jba
Calcium	562	mg/L		0.5		E200.7	05/11/12 18:52 / sf
Chloride	55	mg/L		1		A4500-Cl B	05/08/12 11:07 / lr
Fluoride	0.20	mg/L		0.10		A4500-F C	05/07/12 12:34 / jba
Magnesium	131	mg/L		0.5		E200.7	05/11/12 18:52 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	05/11/12 13:16 / dc
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	05/07/12 11:48 / dc
Potassium	11.6	mg/L		0.5		E200.7	05/11/12 18:52 / sf
Sodium	155	mg/L	D	2		E200.7	05/11/12 18:52 / sf
Sulfate	1790	mg/L	D	50		A4500-SO4 E	05/10/12 12:16 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3280	mg/L		10		A2540 C	05/04/12 16:48 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/09/12 12:02 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/09/12 12:02 / smm
Cadmium	ND	ug/L		0.50		E200.8	05/08/12 14:43 / smm
Chromium	ND	ug/L		25		E200.8	05/09/12 12:02 / smm
Cobalt	ND	ug/L		10		E200.8	05/09/12 12:02 / smm
Copper	ND	ug/L		10		E200.8	05/09/12 12:02 / smm
Iron	43	ug/L		30		E200.7	05/10/12 20:25 / sf
Lead	ND	ug/L		1.0		E200.8	05/08/12 14:43 / smm
Manganese	87	ug/L		10		E200.8	05/09/12 12:02 / smm
Mercury	ND	ug/L		0.50		E200.8	05/08/12 14:43 / smm
Molybdenum	ND	ug/L		10		E200.8	05/08/12 14:43 / smm
Nickel	ND	ug/L		20		E200.8	05/09/12 12:02 / smm
Selenium	ND	ug/L		5.0		E200.8	05/09/12 12:02 / smm
Silver	ND	ug/L		10		E200.8	05/09/12 12:02 / smm
Thallium	3.51	ug/L		0.50		E200.8	05/08/12 14:43 / smm
Uranium	40.7	ug/L		0.30		E200.8	05/08/12 14:43 / smm
Vanadium	ND	ug/L		15		E200.8	05/09/12 12:02 / smm
Zinc	ND	ug/L		10		E200.8	05/23/12 21:10 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.5	pCi/L				E900.1	05/18/12 13:50 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	05/18/12 13:50 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	05/18/12 13:50 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050196-002
Client Sample ID: MW-18_04302012

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 04/30/12 14:55
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-0.830	%				Calculation	05/15/12 08:31 / kbh
Anions	46.6	meq/L				Calculation	05/15/12 08:31 / kbh
Cations	45.9	meq/L				Calculation	05/15/12 08:31 / kbh
Solids, Total Dissolved Calculated	2950	mg/L				Calculation	05/15/12 08:31 / kbh
TDS Balance (0.80 - 1.20)	1.11					Calculation	05/15/12 08:31 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/09/12 04:04 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/09/12 04:04 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/09/12 04:04 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/09/12 04:04 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/09/12 04:04 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/09/12 04:04 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/09/12 04:04 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/09/12 04:04 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/09/12 04:04 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/09/12 04:04 / jlr
Surr: 1,2-Dichlorobenzene-d4	92.0	%REC		80-120		SW8260B	05/09/12 04:04 / jlr
Surr: Dibromofluoromethane	104	%REC		70-130		SW8260B	05/09/12 04:04 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		SW8260B	05/09/12 04:04 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	05/09/12 04:04 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205319-003A
Client Sample ID: MW-19_05162012
Collection Date: 5/16/2012 900h
Received Date: 5/18/2012 1000h

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

Analyzed: 5/18/2012 1429h
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	52.5	50.00	105	77-129	
Surr: Dibromofluoromethane	1868-53-7	50.3	50.00	101	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	51.4	50.00	103	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.3	50.00	117	72-151	

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205499-003
Client Sample ID: MW-19_05162012
Collection Date: 5/16/2012 0900h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1714h	E200.8	0.100	< 0.100	

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: Semi-Annual Groundwater 2012
Lab ID: C12050723-003
Client Sample ID: MW-19_05162012

Revised Date: 07/31/12
Report Date: 06/15/12
Collection Date: 05/16/12 09:00
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/19/12 01:55 / jba
Bicarbonate as HCO3	215	mg/L		1		A2320 B	05/19/12 01:55 / jba
Calcium	188	mg/L		0.5		E200.7	05/21/12 14:47 / sf
Chloride	37	mg/L		1		A4500-Cl B	05/30/12 09:16 / lr
Fluoride	0.96	mg/L		0.10		A4500-F C	05/18/12 14:17 / jba
Magnesium	68.6	mg/L		0.5		E200.7	05/21/12 14:47 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	05/21/12 15:20 / dc
Nitrogen, Nitrate+Nitrite as N	3.7	mg/L		0.1		E353.2	05/22/12 16:40 / dc
Potassium	5.3	mg/L		0.5		E200.7	05/21/12 14:47 / sf
Sodium	112	mg/L		0.5		E200.7	05/21/12 14:47 / sf
Sulfate	702	mg/L	D	20		A4500-SO4 E	05/23/12 11:12 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	1440	mg/L		10		A2540 C	05/21/12 11:02 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/21/12 22:55 / cp
Beryllium	ND	ug/L		0.50		E200.8	05/21/12 22:55 / cp
Cadmium	ND	ug/L		0.50		E200.8	05/21/12 22:55 / cp
Chromium	ND	ug/L		25		E200.8	05/21/12 22:55 / cp
Cobalt	ND	ug/L		10		E200.8	05/21/12 22:55 / cp
Copper	ND	ug/L		10		E200.8	05/21/12 22:55 / cp
Iron	ND	ug/L		30		E200.7	05/21/12 14:47 / sf
Lead	ND	ug/L		1.0		E200.8	05/21/12 22:55 / cp
Manganese	31	ug/L		10		E200.8	05/21/12 22:55 / cp
Mercury	ND	ug/L		0.50		E200.8	05/21/12 22:55 / cp
Molybdenum	ND	ug/L		10		E200.8	05/21/12 22:55 / cp
Nickel	ND	ug/L		20		E200.8	05/21/12 22:55 / cp
Selenium	20.4	ug/L		5.0		E200.8	05/21/12 22:55 / cp
Silver	ND	ug/L		10		E200.8	05/21/12 22:55 / cp
Thallium	ND	ug/L		0.50		E200.8	05/21/12 22:55 / cp
Uranium	5.67	ug/L		0.30		E200.8	05/21/12 22:55 / cp
Vanadium	ND	ug/L		15		E200.8	05/21/12 22:55 / cp
Zinc	ND	ug/L		10		E200.8	05/21/12 22:55 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.9	pCi/L				E900.1	05/30/12 22:29 / lbb
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	05/30/12 22:29 / lbb
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	05/30/12 22:29 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050723-003
Client Sample ID: MW-19_05162012

Revised Date: 07/31/12
Report Date: 06/15/12
Collection Date: 05/16/12 09:00
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	1.43	%				A1030 E	06/01/12 07:11 / kbh
Anions	19.5	meq/L				A1030 E	06/01/12 07:11 / kbh
Cations	20.1	meq/L				A1030 E	06/01/12 07:11 / kbh
Solids, Total Dissolved Calculated	1250	mg/L				A1030 E	06/01/12 07:11 / kbh
TDS Balance (0.80 - 1.20)	1.15					A1030 E	06/01/12 07:11 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/24/12 02:29 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/24/12 02:29 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/24/12 02:29 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/24/12 02:29 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/24/12 02:29 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/24/12 02:29 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/24/12 02:29 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/24/12 02:29 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/24/12 02:29 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/24/12 02:29 / jlr
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120		SW8260B	05/24/12 02:29 / jlr
Surr: Dibromofluoromethane	119	%REC		70-130		SW8260B	05/24/12 02:29 / jlr
Surr: p-Bromofluorobenzene	93.0	%REC		80-120		SW8260B	05/24/12 02:29 / jlr
Surr: Toluene-d8	100	%REC		80-120		SW8260B	05/24/12 02:29 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1206136-001A
Client Sample ID: MW-20_06042012
Collection Date: 6/4/2012 1235h
Received Date: 6/8/2012 835h

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

Analyzed: 6/12/2012 857h
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	52.4	50.00	105	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.0	50.00	102	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	54.0	50.00	108	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.0	50.00	104	72-151	

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1206136-001
Client Sample ID: MW-20_06042012
Collection Date: 6/4/2012 1235h
Received Date: 6/8/2012 835h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/14/2012 1135h	E200.8	0.100	< 0.100	

This sample was not digested pursuant to the client request.

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Laboratory Director

Jose Rocha
QA Officer

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Lab ID: C12060306-001
Client Sample ID: MW-20_06042012

Report Date: 07/03/12
Collection Date: 06/04/12 12:35
DateReceived: 06/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	06/08/12 18:14 / jba
Bicarbonate as HCO3	50	mg/L		1		A2320 B	06/08/12 18:14 / jba
Calcium	379	mg/L		0.5		E200.7	06/15/12 14:02 / sf
Chloride	60	mg/L		1		A4500-Cl B	06/14/12 15:52 / lr
Fluoride	0.30	mg/L		0.10		A4500-F C	06/11/12 10:41 / jba
Magnesium	11.2	mg/L		0.5		E200.7	06/15/12 14:02 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	06/09/12 13:34 / ljl
Nitrogen, Nitrate+Nitrite as N	16	mg/L	D	1		E353.2	06/11/12 12:45 / ljl
Potassium	25.8	mg/L		0.5		E200.7	06/15/12 14:02 / sf
Sodium	1290	mg/L	D	2		E200.7	06/15/12 14:02 / sf
Sulfate	3210	mg/L	D	50		A4500-SO4 E	06/11/12 16:46 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	5080	mg/L		10		A2540 C	06/08/12 15:54 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	06/16/12 05:26 / cp
Beryllium	ND	ug/L		0.50		E200.8	06/20/12 14:26 / cp
Cadmium	ND	ug/L		0.50		E200.8	06/16/12 05:26 / cp
Chromium	ND	ug/L		25		E200.8	06/20/12 14:26 / cp
Cobalt	ND	ug/L		10		E200.8	06/20/12 14:26 / cp
Copper	ND	ug/L		10		E200.8	06/16/12 05:26 / cp
Iron	ND	ug/L		30		E200.7	06/15/12 14:02 / sf
Lead	ND	ug/L		1.0		E200.8	06/16/12 05:26 / cp
Manganese	ND	ug/L		10		E200.8	06/20/12 14:26 / cp
Mercury	ND	ug/L		0.50		E200.8	06/16/12 05:26 / cp
Molybdenum	ND	ug/L		10		E200.8	06/16/12 05:26 / cp
Nickel	ND	ug/L		20		E200.8	06/16/12 05:26 / cp
Selenium	ND	ug/L		5.0		E200.8	06/16/12 05:26 / cp
Silver	ND	ug/L		10		E200.8	06/16/12 05:26 / cp
Thallium	ND	ug/L		0.50		E200.8	06/20/12 14:26 / cp
Uranium	1.89	ug/L		0.30		E200.8	06/20/12 14:26 / cp
Vanadium	ND	ug/L		15		E200.8	06/20/12 14:26 / cp
Zinc	ND	ug/L		10		E200.8	06/16/12 05:26 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.9	pCi/L	U			E900.1	06/12/12 15:19 / lbb
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	06/12/12 15:19 / lbb
Gross Alpha minus Rn & U MDC	0.9	pCi/L				E900.1	06/12/12 15:19 / lbb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at 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: Semi-Annual Groundwater 2012
Lab ID: C12060306-001
Client Sample ID: MW-20_06042012

Report Date: 07/03/12
Collection Date: 06/04/12 12:35
DateReceived: 06/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	4.13	%				A1030 E	07/03/12 17:11 / sdw
Anions	70.6	meq/L				A1030 E	07/03/12 17:11 / sdw
Cations	76.7	meq/L				A1030 E	07/03/12 17:11 / sdw
Solids, Total Dissolved Calculated	5100	mg/L				A1030 E	07/03/12 17:11 / sdw
TDS Balance (0.80 - 1.20)	0.990					A1030 E	07/03/12 17:11 / sdw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/12/12 18:26 / jlr
Benzene	ND	ug/L		1.0		SW8260B	06/12/12 18:26 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/12/12 18:26 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	06/12/12 18:26 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	06/12/12 18:26 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/12/12 18:26 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	06/12/12 18:26 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	06/12/12 18:26 / jlr
Toluene	ND	ug/L		1.0		SW8260B	06/12/12 18:26 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/12/12 18:26 / jlr
Surr: 1,2-Dichlorobenzene-d4	95.0	%REC		80-120		SW8260B	06/12/12 18:26 / jlr
Surr: Dibromofluoromethane	107	%REC		70-130		SW8260B	06/12/12 18:26 / jlr
Surr: p-Bromofluorobenzene	105	%REC		80-120		SW8260B	06/12/12 18:26 / jlr
Surr: Toluene-d8	108	%REC		80-120		SW8260B	06/12/12 18:26 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205130-002A
Client Sample ID: MW-22 _ 05032012
Collection Date: 5/3/2012 1225h
Received Date: 5/8/2012 1000h

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

Analyzed: 5/8/2012 1149h
Units: µg/L **Dilution Factor:** 1 **Method:** SW8260C

Compound	CAS Number	Reporting Limit	Analytical Result	Qual
Tetrahydrofuran	109-99-9	1.00	< 1.00	[1] @

Surrogate	CAS	Result	Amount Spiked	% REC	Limits	Qual
Surr: Toluene-d8	2037-26-5	49.9	50.00	99.8	77-129	
Surr: Dibromofluoromethane	1868-53-7	50.3	50.00	101	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	49.5	50.00	99.0	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	59.6	50.00	119	72-151	

Reissue of a previously generated report. The Client Sample ID and Collection date have been revised. Information herein supersedes that of the previously issued reports.

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

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

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Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205501-002
Client Sample ID: MW-22_05032012
Collection Date: 5/3/2012 1225h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1642h	E200.8	0.100	< 0.100	

This sample was not digested pursuant to the client request.
Reissue of a previously generated report. The Client Sample ID and Collection Date have been revised. Information herein supersedes that of the previously issued reports.

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Jose Rocha
QA Officer

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Lab ID: C12050272-002
Client Sample ID: MW-22_05032012

Revised Date: 07/31/12
Report Date: 06/06/12
Collection Date: 05/03/12 12:25
DateReceived: 05/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/08/12 17:27 / jba
Bicarbonate as HCO3	59	mg/L		1		A2320 B	05/08/12 17:27 / jba
Calcium	426	mg/L		0.5		E200.7	05/10/12 21:17 / sf
Chloride	58	mg/L		1		A4500-Cl B	05/17/12 11:12 / lr
Fluoride	4.34	mg/L		0.10		A4500-F C	05/09/12 11:44 / jba
Magnesium	1100	mg/L		0.5		E200.7	05/10/12 21:17 / sf
Nitrogen, Ammonia as N	0.77	mg/L		0.05		A4500-NH3 G	05/11/12 14:38 / dc
Nitrogen, Nitrate+Nitrite as N	2.8	mg/L		0.1		E353.2	05/08/12 17:39 / dc
Potassium	28.1	mg/L	D	0.6		E200.7	05/11/12 19:45 / sf
Sodium	288	mg/L		0.5		E200.7	05/11/12 19:45 / sf
Sulfate	5920	mg/L	D	100		A4500-SO4 E	05/10/12 12:43 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	9450	mg/L		10		A2540 C	05/09/12 14:08 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/10/12 12:56 / smm
Beryllium	13.4	ug/L		0.50		E200.8	05/10/12 12:56 / smm
Cadmium	152	ug/L		0.50		E200.8	05/10/12 12:56 / smm
Chromium	ND	ug/L		25		E200.8	05/10/12 12:56 / smm
Cobalt	506	ug/L		10		E200.8	05/10/12 12:56 / smm
Copper	47	ug/L		10		E200.8	05/10/12 12:56 / smm
Iron	98	ug/L	D	90		E200.7	05/10/12 21:17 / sf
Lead	7.6	ug/L		1.0		E200.8	05/10/12 12:56 / smm
Manganese	44700	ug/L		10		E200.8	05/10/12 12:56 / smm
Mercury	ND	ug/L		0.50		E200.8	05/10/12 12:56 / smm
Molybdenum	163	ug/L		10		E200.8	05/10/12 12:56 / smm
Nickel	284	ug/L		20		E200.8	05/10/12 12:56 / smm
Selenium	16.2	ug/L		5.0		E200.8	05/10/12 12:56 / smm
Silver	ND	ug/L		10		E200.8	05/10/12 12:56 / smm
Thallium	1.48	ug/L		0.50		E200.8	05/10/12 12:56 / smm
Uranium	33.1	ug/L		0.30		E200.8	05/10/12 12:56 / smm
Vanadium	ND	ug/L		15		E200.8	05/10/12 12:56 / smm
Zinc	1210	ug/L		10		E200.8	05/10/12 12:56 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	5.9	pCi/L				E900.1	05/18/12 20:05 / lbb
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	05/18/12 20:05 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	05/18/12 20:05 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050272-002
Client Sample ID: MW-22_05032012

Revised Date: 07/31/12
Report Date: 06/06/12
Collection Date: 05/03/12 12:25
DateReceived: 05/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-0.516	%				Calculation	05/18/12 06:42 / kbh
Anions	126	meq/L				Calculation	05/18/12 06:42 / kbh
Cations	125	meq/L				Calculation	05/18/12 06:42 / kbh
Solids, Total Dissolved Calculated	7880	mg/L				Calculation	05/18/12 06:42 / kbh
TDS Balance (0.80 - 1.20)	1.20					Calculation	05/18/12 06:42 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/11/12 14:41 / jlr
Benzene	8.9	ug/L		1.0		SW8260B	05/11/12 14:41 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/11/12 14:41 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/11/12 14:41 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/11/12 14:41 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/11/12 14:41 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/11/12 14:41 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/11/12 14:41 / jlr
Toluene	1.6	ug/L		1.0		SW8260B	05/11/12 14:41 / jlr
Xylenes, Total	2.2	ug/L		1.0		SW8260B	05/11/12 14:41 / jlr
Surr: 1,2-Dichlorobenzene-d4	95.0	%REC		80-120		SW8260B	05/11/12 14:41 / jlr
Surr: Dibromofluoromethane	106	%REC		70-130		SW8260B	05/11/12 14:41 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		SW8260B	05/11/12 14:41 / jlr
Surr: Toluene-d8	96.0	%REC		80-120		SW8260B	05/11/12 14:41 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205319-004A
Client Sample ID: MW-23_05162012
Collection Date: 5/16/2012 1030h
Received Date: 5/18/2012 1000h

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

Analyzed: 5/18/2012 1448h
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	52.1	50.00	104	77-129	
Surr: Dibromofluoromethane	1868-53-7	50.1	50.00	100	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	53.0	50.00	106	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.7	50.00	115	72-151	

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205499-004
Client Sample ID: MW-23_05162012
Collection Date: 5/16/2012 1030h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1717h	E200.8	0.100	**0.215**	

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: Semi-Annual Groundwater 2012
Lab ID: C12050723-004
Client Sample ID: MW-23_05162012

Revised Date: 07/31/12
Report Date: 06/15/12
Collection Date: 05/16/12 10:30
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/19/12 02:03 / jba
Bicarbonate as HCO3	322	mg/L		1		A2320 B	05/19/12 02:03 / jba
Calcium	453	mg/L		0.5		E200.7	05/21/12 14:51 / sf
Chloride	8	mg/L		1		A4500-Cl B	05/30/12 09:21 / lr
Fluoride	0.22	mg/L		0.10		A4500-F C	05/18/12 14:22 / jba
Magnesium	148	mg/L		0.5		E200.7	05/21/12 14:51 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	05/21/12 15:22 / dc
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1		E353.2	05/22/12 16:50 / dc
Potassium	10.9	mg/L		0.5		E200.7	05/21/12 14:51 / sf
Sodium	349	mg/L		0.5		E200.7	05/21/12 14:51 / sf
Sulfate	2070	mg/L	D	50		A4500-SO4 E	05/23/12 11:23 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3660	mg/L		10		A2540 C	05/21/12 11:03 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/21/12 23:00 / cp
Beryllium	ND	ug/L		0.50		E200.8	05/21/12 23:00 / cp
Cadmium	ND	ug/L		0.50		E200.8	05/21/12 23:00 / cp
Chromium	ND	ug/L		25		E200.8	05/21/12 23:00 / cp
Cobalt	ND	ug/L		10		E200.8	05/21/12 23:00 / cp
Copper	ND	ug/L		10		E200.8	05/21/12 23:00 / cp
Iron	ND	ug/L		30		E200.7	05/21/12 14:51 / sf
Lead	ND	ug/L		1.0		E200.8	05/23/12 03:22 / cp
Manganese	49	ug/L		10		E200.8	05/21/12 23:00 / cp
Mercury	ND	ug/L		0.50		E200.8	05/21/12 23:00 / cp
Molybdenum	ND	ug/L		10		E200.8	05/21/12 23:00 / cp
Nickel	ND	ug/L		20		E200.8	05/21/12 23:00 / cp
Selenium	ND	ug/L		5.0		E200.8	05/21/12 23:00 / cp
Silver	ND	ug/L		10		E200.8	05/21/12 23:00 / cp
Thallium	1.00	ug/L		0.50		E200.8	05/23/12 03:22 / cp
Uranium	16.7	ug/L		0.30		E200.8	05/23/12 03:22 / cp
Vanadium	ND	ug/L		15		E200.8	05/21/12 23:00 / cp
Zinc	21	ug/L		10		E200.8	05/21/12 23:00 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	1.1	pCi/L				E900.1	05/30/12 22:29 / lbb
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	05/30/12 22:29 / lbb
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	05/30/12 22:29 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050723-004
Client Sample ID: MW-23_05162012

Revised Date: 07/31/12
Report Date: 06/15/12
Collection Date: 05/16/12 10:30
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	1.73	%				A1030 E	06/01/12 07:11 / kbh
Anions	48.5	meq/L				A1030 E	06/01/12 07:11 / kbh
Cations	50.3	meq/L				A1030 E	06/01/12 07:11 / kbh
Solids, Total Dissolved Calculated	3210	mg/L				A1030 E	06/01/12 07:11 / kbh
TDS Balance (0.80 - 1.20)	1.14					A1030 E	06/01/12 07:11 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/24/12 03:06 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/24/12 03:06 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/24/12 03:06 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/24/12 03:06 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/24/12 03:06 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/24/12 03:06 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/24/12 03:06 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/24/12 03:06 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/24/12 03:06 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/24/12 03:06 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC		80-120		SW8260B	05/24/12 03:06 / jlr
Surr: Dibromofluoromethane	118	%REC		70-130		SW8260B	05/24/12 03:06 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC		80-120		SW8260B	05/24/12 03:06 / jlr
Surr: Toluene-d8	100	%REC		80-120		SW8260B	05/24/12 03:06 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205202-007A
Client Sample ID: MW-24_05102012
Collection Date: 5/10/2012 630h
Received Date: 5/11/2012 1300h

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

Analyzed: 5/12/2012 2353h
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	52.4	50.00	105	77-129	
Surr: Dibromofluoromethane	1868-53-7	52.2	50.00	104	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	51.4	50.00	103	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.8	50.00	118	72-151	

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205500-007
Client Sample ID: MW-24_05102012
Collection Date: 5/10/2012 0630h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1622h	E200.4	0.100	< 0.100	

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: Semi-Annual Groundwater 2012
Lab ID: C12050443-007
Client Sample ID: MW-24_05102012

Report Date: 06/14/12
Collection Date: 05/10/12 06:30
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/11/12 20:37 / jba
Bicarbonate as HCO3	222	mg/L		1		A2320 B	05/11/12 20:37 / jba
Calcium	507	mg/L		0.5		E200.7	05/11/12 21:06 / sf
Chloride	42	mg/L		1		A4500-Cl B	05/17/12 11:44 / lr
Fluoride	0.14	mg/L		0.10		A4500-F C	05/11/12 13:11 / jba
Magnesium	171	mg/L		0.5		E200.7	05/11/12 21:06 / sf
Nitrogen, Ammonia as N	0.19	mg/L		0.05		A4500-NH3 G	05/14/12 15:59 / dc
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1		E353.2	05/16/12 12:53 / dc
Potassium	13.7	mg/L		0.5		E200.7	05/11/12 21:06 / sf
Sodium	474	mg/L		0.5		E200.7	05/11/12 21:06 / sf
Sulfate	2490	mg/L	D	50		A4500-SO4 E	05/18/12 11:32 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	4170	mg/L		10		A2540 C	05/11/12 16:36 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/11/12 13:44 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/11/12 13:44 / smm
Cadmium	2.01	ug/L		0.50		E200.8	05/11/12 13:44 / smm
Chromium	ND	ug/L		25		E200.8	05/11/12 13:44 / smm
Cobalt	ND	ug/L		10		E200.8	05/11/12 13:44 / smm
Copper	ND	ug/L		10		E200.8	05/11/12 13:44 / smm
Iron	1450	ug/L		30		E200.7	05/11/12 21:06 / sf
Lead	ND	ug/L		1.0		E200.8	05/11/12 13:44 / smm
Manganese	3090	ug/L		10		E200.8	05/11/12 13:44 / smm
Mercury	ND	ug/L		0.50		E200.8	05/11/12 13:44 / smm
Molybdenum	ND	ug/L		10		E200.8	05/11/12 13:44 / smm
Nickel	ND	ug/L		20		E200.8	05/11/12 13:44 / smm
Selenium	ND	ug/L		5.0		E200.8	05/11/12 13:44 / smm
Silver	ND	ug/L		10		E200.8	05/11/12 13:44 / smm
Thallium	0.74	ug/L		0.50		E200.8	05/11/12 13:44 / smm
Uranium	2.12	ug/L		0.30		E200.8	05/11/12 13:44 / smm
Vanadium	ND	ug/L		15		E200.8	05/11/12 13:44 / smm
Zinc	41	ug/L		10		E200.8	05/11/12 13:44 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.2	pCi/L	U			E900.1	06/04/12 22:14 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	06/04/12 22:14 / lbb
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	06/04/12 22:14 / lbb

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at 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: Semi-Annual Groundwater 2012
Lab ID: C12050443-007
Client Sample ID: MW-24_05102012

Report Date: 06/14/12
Collection Date: 05/10/12 06:30
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	3.11	%				Calculation	05/21/12 07:04 / kbh
Anions	56.7	meq/L				Calculation	05/21/12 07:04 / kbh
Cations	60.3	meq/L				Calculation	05/21/12 07:04 / kbh
Solids, Total Dissolved Calculated	3830	mg/L				Calculation	05/21/12 07:04 / kbh
TDS Balance (0.80 - 1.20)	1.09					Calculation	05/21/12 07:04 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/15/12 18:50 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/15/12 18:50 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/15/12 18:50 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/15/12 18:50 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/15/12 18:50 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/15/12 18:50 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/15/12 18:50 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/15/12 18:50 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/15/12 18:50 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/15/12 18:50 / jlr
Surr: 1,2-Dichlorobenzene-d4	98.0	%REC		80-120		SW8260B	05/15/12 18:50 / jlr
Surr: Dibromofluoromethane	94.0	%REC		70-130		SW8260B	05/15/12 18:50 / jlr
Surr: p-Bromofluorobenzene	126	%REC	S	80-120		SW8260B	05/15/12 18:50 / jlr
Surr: Toluene-d8	101	%REC		80-120		SW8260B	05/15/12 18:50 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205087-003A
Client Sample ID: MW-25_05022012
Collection Date: 5/2/2012 1050h
Received Date: 5/4/2012 930h

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

Analyzed: 5/4/2012 1229h
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	50.5	50.00	101	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.2	50.00	102	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	50.4	50.00	101	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.1	50.00	106	72-151	

Reissue of a previously generated report. The Client Sample ID has been revised. Information herein supersedes that of the previously issued reports.

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1206289-003
Client Sample ID: MW-25_05022012
Collection Date: 5/2/2012 1050h
Received Date: 6/19/2012 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/26/2012 1558h	E200.8	0.100	< 0.100	

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Lab ID: C12050196-003
Client Sample ID: MW-25_05022012

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 05/02/12 10:50
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/04/12 22:11 / jba
Bicarbonate as HCO3	410	mg/L		1		A2320 B	05/04/12 22:11 / jba
Calcium	351	mg/L		0.5		E200.7	05/11/12 18:56 / sf
Chloride	30	mg/L		1		A4500-Cl B	05/08/12 11:09 / lr
Fluoride	0.32	mg/L		0.10		A4500-F C	05/07/12 12:46 / jba
Magnesium	118	mg/L		0.5		E200.7	05/11/12 18:56 / sf
Nitrogen, Ammonia as N	0.46	mg/L		0.05		A4500-NH3 G	05/11/12 13:18 / dc
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	05/07/12 11:51 / dc
Potassium	11.9	mg/L		0.5		E200.7	05/11/12 18:56 / sf
Sodium	269	mg/L	D	2		E200.7	05/11/12 18:56 / sf
Sulfate	1670	mg/L	D	50		A4500-SO4 E	05/10/12 12:19 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	2850	mg/L		10		A2540 C	05/04/12 16:49 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/08/12 14:46 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/09/12 12:06 / smm
Cadmium	1.33	ug/L		0.50		E200.8	05/08/12 14:46 / smm
Chromium	ND	ug/L		25		E200.8	05/09/12 12:06 / smm
Cobalt	ND	ug/L		10		E200.8	05/23/12 21:14 / cp
Copper	ND	ug/L		10		E200.8	05/08/12 14:46 / smm
Iron	ND	ug/L		30		E200.7	05/10/12 20:29 / sf
Lead	ND	ug/L		1.0		E200.8	05/08/12 14:46 / smm
Manganese	1590	ug/L		10		E200.8	05/23/12 21:14 / cp
Mercury	ND	ug/L		0.50		E200.8	05/08/12 14:46 / smm
Molybdenum	11	ug/L		10		E200.8	05/08/12 14:46 / smm
Nickel	ND	ug/L		20		E200.8	05/08/12 14:46 / smm
Selenium	ND	ug/L		5.0		E200.8	05/08/12 14:46 / smm
Silver	ND	ug/L		10		E200.8	05/09/12 12:06 / smm
Thallium	0.95	ug/L		0.50		E200.8	05/08/12 14:46 / smm
Uranium	5.90	ug/L		0.30		E200.8	05/08/12 14:46 / smm
Vanadium	ND	ug/L		15		E200.8	05/09/12 12:06 / smm
Zinc	ND	ug/L		10		E200.8	05/08/12 14:46 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.8	pCi/L				E900.1	05/18/12 13:50 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	05/18/12 13:50 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	05/18/12 13:50 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050196-003
Client Sample ID: MW-25_05022012

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 05/02/12 10:50
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-3.88	%				Calculation	05/15/12 08:33 / kbh
Anions	42.4	meq/L				Calculation	05/15/12 08:33 / kbh
Cations	39.2	meq/L				Calculation	05/15/12 08:33 / kbh
Solids, Total Dissolved Calculated	2660	mg/L				Calculation	05/15/12 08:33 / kbh
TDS Balance (0.80 - 1.20)	1.07					Calculation	05/15/12 08:33 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/09/12 04:41 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/09/12 04:41 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/09/12 04:41 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/09/12 04:41 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/09/12 04:41 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/09/12 04:41 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/09/12 04:41 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/09/12 04:41 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/09/12 04:41 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/09/12 04:41 / jlr
Surr: 1,2-Dichlorobenzene-d4	92.0	%REC		80-120		SW8260B	05/09/12 04:41 / jlr
Surr: Dibromofluoromethane	99.0	%REC		70-130		SW8260B	05/09/12 04:41 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		SW8260B	05/09/12 04:41 / jlr
Surr: Toluene-d8	94.0	%REC		80-120		SW8260B	05/09/12 04:41 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

American West
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205130-003A
Client Sample ID: MW-26 _ 05072012
Collection Date: 5/7/2012 945h
Received Date: 5/8/2012 1000h

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

Analyzed: 5/8/2012 1208h
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	50.0	50.00	100	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.8	50.00	104	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	50.7	50.00	101	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	59.2	50.00	118	72-151	

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205501-003
Client Sample ID: MW-26_05072012
Collection Date: 5/7/2012 0945h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1646h	E200.8	0.100	< 0.100	

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: Semi-Annual Groundwater 2012
Lab ID: C12050272-003
Client Sample ID: MW-26_05072012

Revised Date: 07/31/12
Report Date: 06/06/12
Collection Date: 05/07/12 09:45
DateReceived: 05/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/08/12 17:36 / jba
Bicarbonate as HCO3	398	mg/L		1		A2320 B	05/08/12 17:36 / jba
Calcium	449	mg/L		0.5		E200.7	05/10/12 21:22 / sf
Chloride	74	mg/L		1		A4500-Cl B	05/30/12 09:09 / lr
Fluoride	0.54	mg/L		0.10		A4500-F C	05/09/12 11:47 / jba
Magnesium	153	mg/L		0.5		E200.7	05/10/12 21:22 / sf
Nitrogen, Ammonia as N	0.14	mg/L		0.05		A4500-NH3 G	05/11/12 14:40 / dc
Nitrogen, Nitrate+Nitrite as N	2.9	mg/L	D	0.2		E353.2	05/08/12 17:41 / dc
Potassium	11.3	mg/L		0.5		E200.7	05/11/12 19:49 / sf
Sodium	195	mg/L		0.5		E200.7	05/11/12 19:49 / sf
Sulfate	1930	mg/L	D	50		A4500-SO4 E	05/10/12 12:46 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3240	mg/L		10		A2540 C	05/09/12 14:08 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/10/12 13:10 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/10/12 13:10 / smm
Cadmium	ND	ug/L		0.50		E200.8	05/10/12 13:10 / smm
Chromium	ND	ug/L		25		E200.8	05/10/12 13:10 / smm
Cobalt	ND	ug/L		10		E200.8	05/10/12 13:10 / smm
Copper	ND	ug/L		10		E200.8	05/10/12 13:10 / smm
Iron	682	ug/L		30		E200.7	05/10/12 21:22 / sf
Lead	ND	ug/L		1.0		E200.8	05/10/12 13:10 / smm
Manganese	1110	ug/L		10		E200.8	05/10/12 13:10 / smm
Mercury	ND	ug/L		0.50		E200.8	05/10/12 13:10 / smm
Molybdenum	ND	ug/L		10		E200.8	05/10/12 13:10 / smm
Nickel	ND	ug/L		20		E200.8	05/10/12 13:10 / smm
Selenium	ND	ug/L		5.0		E200.8	05/10/12 13:10 / smm
Silver	ND	ug/L		10		E200.8	05/10/12 13:10 / smm
Thallium	ND	ug/L		0.50		E200.8	05/10/12 13:10 / smm
Uranium	18.2	ug/L		0.30		E200.8	05/10/12 13:10 / smm
Vanadium	ND	ug/L		15		E200.8	05/10/12 13:10 / smm
Zinc	ND	ug/L		10		E200.8	05/10/12 13:10 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	3.1	pCi/L				E900.1	05/18/12 20:05 / lbb
Gross Alpha minus Rn & U Precision (±)	0.4	pCi/L				E900.1	05/18/12 20:05 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	05/18/12 20:05 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050272-003
Client Sample ID: MW-26_05072012

Revised Date: 07/31/12
Report Date: 06/06/12
Collection Date: 05/07/12 09:45
DateReceived: 05/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-5.67	%				A1030 E	06/05/12 13:22 / kbh
Anions	49.0	meq/L				A1030 E	06/05/12 13:22 / kbh
Cations	43.8	meq/L				A1030 E	06/05/12 13:22 / kbh
TDS Balance (0.80 - 1.20)	1.07					A1030 E	06/05/12 13:22 / kbh

- The Anion / Cation balance was confirmed by re-analysis.

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: Semi-Annual Groundwater 2012
Lab ID: C12061241-001
Client Sample ID: MW-26_06262012

Report Date: 07/13/12
Collection Date: 06/26/12 11:55
DateReceived: 06/29/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/07/12 03:56 / jk
Benzene	ND	ug/L		1.0		SW8260B	07/07/12 03:56 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/07/12 03:56 / jk
Chloroform	1700	ug/L	D	100		SW8260B	07/07/12 06:22 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	07/07/12 03:56 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/07/12 03:56 / jk
Methylene chloride	10	ug/L		1.0		SW8260B	07/07/12 03:56 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	07/07/12 03:56 / jk
Toluene	ND	ug/L		1.0		SW8260B	07/07/12 03:56 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/07/12 03:56 / jk
Surr: 1,2-Dichlorobenzene-d4	100	%REC		80-120		SW8260B	07/07/12 03:56 / jk
Surr: Dibromofluoromethane	100	%REC		70-130		SW8260B	07/07/12 03:56 / jk
Surr: p-Bromofluorobenzene	83.0	%REC		80-120		SW8260B	07/07/12 03:56 / jk
Surr: Toluene-d8	91.0	%REC		80-120		SW8260B	07/07/12 03:56 / 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.

ORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205087-004A
Client Sample ID: MW-27_05012012
Collection Date: 5/1/2012 1430h
Received Date: 5/4/2012 930h

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

Analyzed: 5/4/2012 1248h
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	49.8	50.00	99.7	77-129	
Surr: Dibromofluoromethane	1868-53-7	50.4	50.00	101	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	49.4	50.00	98.8	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	56.2	50.00	112	72-151	

Reissue of a previously generated report. The Client Sample ID has been revised. Information herein supersedes that of the previously issued reports.

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1206289-004
Client Sample ID: MW-27_05012012
Collection Date: 5/1/2012 1430h
Received Date: 6/19/2012 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/26/2012 1602h	E200.8	0.100	< 0.100	

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Lab ID: C12050196-004
Client Sample ID: MW-27_05012012

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 05/01/12 14:30
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/04/12 22:20 / jba
Bicarbonate as HCO3	449	mg/L		1		A2320 B	05/04/12 22:20 / jba
Calcium	177	mg/L		0.5		E200.7	05/10/12 20:33 / sf
Chloride	46	mg/L		1		A4500-Cl B	05/08/12 11:11 / lr
Fluoride	0.64	mg/L		0.10		A4500-F C	05/07/12 12:52 / jba
Magnesium	77.3	mg/L		0.5		E200.7	05/10/12 20:33 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	05/11/12 13:20 / dc
Nitrogen, Nitrate+Nitrite as N	6.2	mg/L	D	0.5		E353.2	05/07/12 13:58 / dc
Potassium	5.4	mg/L		0.5		E200.7	05/11/12 19:00 / sf
Sodium	61.6	mg/L	D	0.6		E200.7	05/11/12 19:00 / sf
Sulfate	446	mg/L	D	10		A4500-SO4 E	05/10/12 12:24 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	1170	mg/L		10		A2540 C	05/04/12 16:49 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/09/12 12:11 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/09/12 12:11 / smm
Cadmium	ND	ug/L		0.50		E200.8	05/08/12 14:49 / smm
Chromium	ND	ug/L		25		E200.8	05/09/12 12:11 / smm
Cobalt	ND	ug/L		10		E200.8	05/09/12 12:11 / smm
Copper	ND	ug/L		10		E200.8	05/09/12 12:11 / smm
Iron	ND	ug/L		30		E200.7	05/10/12 20:33 / sf
Lead	ND	ug/L		1.0		E200.8	05/08/12 14:49 / smm
Manganese	ND	ug/L		10		E200.8	05/09/12 12:11 / smm
Mercury	ND	ug/L		0.50		E200.8	05/08/12 14:49 / smm
Molybdenum	ND	ug/L		10		E200.8	05/08/12 14:49 / smm
Nickel	ND	ug/L		20		E200.8	05/09/12 12:11 / smm
Selenium	11.3	ug/L		5.0		E200.8	05/09/12 12:11 / smm
Silver	ND	ug/L		10		E200.8	05/09/12 12:11 / smm
Thallium	ND	ug/L		0.50		E200.8	05/08/12 14:49 / smm
Uranium	28.1	ug/L		0.30		E200.8	05/08/12 14:49 / smm
Vanadium	ND	ug/L		15		E200.8	05/09/12 12:11 / smm
Zinc	ND	ug/L		10		E200.8	05/23/12 21:37 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.8	pCi/L				E900.1	05/18/12 20:05 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	05/18/12 20:05 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	05/18/12 20:05 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050196-004
Client Sample ID: MW-27_05012012

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 05/01/12 14:30
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-1.17	%				Calculation	05/15/12 07:08 / kbh
Anions	18.4	meq/L				Calculation	05/15/12 07:08 / kbh
Cations	18.0	meq/L				Calculation	05/15/12 07:08 / kbh
Solids, Total Dissolved Calculated	1080	mg/L				Calculation	05/15/12 07:08 / kbh
TDS Balance (0.80 - 1.20)	1.08					Calculation	05/15/12 07:08 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/09/12 05:17 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/09/12 05:17 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/09/12 05:17 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/09/12 05:17 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/09/12 05:17 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/09/12 05:17 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/09/12 05:17 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/09/12 05:17 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/09/12 05:17 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/09/12 05:17 / jlr
Surr: 1,2-Dichlorobenzene-d4	92.0	%REC		80-120		SW8260B	05/09/12 05:17 / jlr
Surr: Dibromofluoromethane	100	%REC		70-130		SW8260B	05/09/12 05:17 / jlr
Surr: p-Bromofluorobenzene	100	%REC		80-120		SW8260B	05/09/12 05:17 / jlr
Surr: Toluene-d8	95.0	%REC		80-120		SW8260B	05/09/12 05:17 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205202-008A
Client Sample ID: MW-28_05082012
Collection Date: 5/8/2012 945h
Received Date: 5/11/2012 1300h

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

Analyzed: 5/13/2012 012h
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	51.3	50.00	103	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.8	50.00	104	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	50.4	50.00	101	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.5	50.00	117	72-151	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205500-008
Client Sample ID: MW-28_05082012
Collection Date: 5/8/2012 0945h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1626h	E200.8	0.100	< 0.100	

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: Semi-Annual Groundwater 2012
Lab ID: C12050443-008
Client Sample ID: MW-28_05082012

Report Date: 06/14/12
Collection Date: 05/08/12 09:45
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/11/12 20:45 / jba
Bicarbonate as HCO3	160	mg/L		1		A2320 B	05/11/12 20:45 / jba
Calcium	522	mg/L		0.5		E200.7	05/11/12 21:10 / sf
Chloride	114	mg/L		1		A4500-Cl B	05/17/12 13:42 / lr
Fluoride	0.52	mg/L		0.10		A4500-F C	05/11/12 13:29 / jba
Magnesium	177	mg/L		0.5		E200.7	05/11/12 21:10 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	05/14/12 16:01 / dc
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1		E353.2	05/16/12 12:56 / dc
Potassium	12.9	mg/L		0.5		E200.7	05/11/12 21:10 / sf
Sodium	298	mg/L		0.5		E200.7	05/11/12 21:10 / sf
Sulfate	2290	mg/L	D	50		A4500-SO4 E	05/18/12 11:36 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3820	mg/L		10		A2540 C	05/11/12 16:36 / ab
METALS - DISSOLVED							
Arsenic	10.5	ug/L		5.0		E200.8	05/11/12 13:48 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/11/12 13:48 / smm
Cadmium	3.85	ug/L		0.50		E200.8	05/11/12 13:48 / smm
Chromium	ND	ug/L		25		E200.8	05/11/12 13:48 / smm
Cobalt	36	ug/L		10		E200.8	05/11/12 13:48 / smm
Copper	ND	ug/L		10		E200.8	05/11/12 13:48 / smm
Iron	ND	ug/L		30		E200.7	05/11/12 21:10 / sf
Lead	ND	ug/L		1.0		E200.8	05/11/12 13:48 / smm
Manganese	1850	ug/L		10		E200.8	05/11/12 13:48 / smm
Mercury	ND	ug/L		0.50		E200.8	05/11/12 13:48 / smm
Molybdenum	ND	ug/L		10		E200.8	05/11/12 13:48 / smm
Nickel	26	ug/L		20		E200.8	05/11/12 13:48 / smm
Selenium	ND	ug/L		5.0		E200.8	05/11/12 13:48 / smm
Silver	ND	ug/L		10		E200.8	05/11/12 13:48 / smm
Thallium	0.90	ug/L		0.50		E200.8	05/11/12 13:48 / smm
Uranium	3.44	ug/L		0.30		E200.8	05/11/12 13:48 / smm
Vanadium	ND	ug/L		15		E200.8	05/11/12 13:48 / smm
Zinc	43	ug/L		10		E200.8	05/11/12 13:48 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.7	pCi/L				E900.1	06/04/12 22:14 / lbb
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	06/04/12 22:14 / lbb
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	06/04/12 22:14 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050443-008
Client Sample ID: MW-28_05082012

Report Date: 06/14/12
Collection Date: 05/08/12 09:45
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	0.239	%				Calculation	05/21/12 07:04 / kbh
Anions	53.6	meq/L				Calculation	05/21/12 07:04 / kbh
Cations	53.9	meq/L				Calculation	05/21/12 07:04 / kbh
Solids, Total Dissolved Calculated	3510	mg/L				Calculation	05/21/12 07:04 / kbh
TDS Balance (0.80 - 1.20)	1.09					Calculation	05/21/12 07:04 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/16/12 17:21 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/16/12 17:21 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/16/12 17:21 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/16/12 17:21 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/16/12 17:21 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/16/12 17:21 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/16/12 17:21 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/16/12 17:21 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/16/12 17:21 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/16/12 17:21 / jlr
Surr: 1,2-Dichlorobenzene-d4	90.0	%REC		80-120		SW8260B	05/16/12 17:21 / jlr
Surr: Dibromofluoromethane	88.0	%REC		70-130		SW8260B	05/16/12 17:21 / jlr
Surr: p-Bromofluorobenzene	96.0	%REC		80-120		SW8260B	05/16/12 17:21 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	05/16/12 17:21 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205202-009A
Client Sample ID: MW-29_05082012
Collection Date: 5/8/2012 1235h
Received Date: 5/11/2012 1300h

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

Analyzed: 5/13/2012 031h
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	52.6	50.00	105	77-129	
Surr: Dibromofluoromethane	1868-53-7	52.7	50.00	105	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	51.8	50.00	104	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.9	50.00	118	72-151	

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205500-009
Client Sample ID: MW-29_05082012
Collection Date: 5/8/2012 1235h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1630h	E200.8	0.100	< 0.100	

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: Semi-Annual Groundwater 2012
Lab ID: C12050443-009
Client Sample ID: MW-29_05082012

Report Date: 06/14/12
Collection Date: 05/08/12 12:35
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/11/12 20:53 / jba
Bicarbonate as HCO3	347	mg/L		1		A2320 B	05/11/12 20:53 / jba
Calcium	496	mg/L		0.5		E200.7	05/11/12 21:14 / sf
Chloride	40	mg/L		1		A4500-Cl B	05/17/12 13:47 / lr
Fluoride	0.76	mg/L		0.10		A4500-F C	05/11/12 13:40 / jba
Magnesium	227	mg/L		0.5		E200.7	05/11/12 21:14 / sf
Nitrogen, Ammonia as N	0.61	mg/L		0.05		A4500-NH3 G	05/14/12 16:03 / dc
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	05/16/12 12:58 / dc
Potassium	19.9	mg/L		0.5		E200.7	05/11/12 21:14 / sf
Sodium	487	mg/L		0.5		E200.7	05/11/12 21:14 / sf
Sulfate	2750	mg/L	D	50		A4500-SO4 E	05/18/12 11:41 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	4600	mg/L		10		A2540 C	05/11/12 16:37 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/11/12 13:53 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/11/12 13:53 / smm
Cadmium	ND	ug/L		0.50		E200.8	05/11/12 13:53 / smm
Chromium	ND	ug/L		25		E200.8	05/11/12 13:53 / smm
Cobalt	ND	ug/L		10		E200.8	05/11/12 13:53 / smm
Copper	ND	ug/L		10		E200.8	05/11/12 13:53 / smm
Iron	1400	ug/L		30		E200.7	05/11/12 21:14 / sf
Lead	ND	ug/L		1.0		E200.8	05/11/12 13:53 / smm
Manganese	6140	ug/L		10		E200.8	05/11/12 13:53 / smm
Mercury	ND	ug/L		0.50		E200.8	05/11/12 13:53 / smm
Molybdenum	ND	ug/L		10		E200.8	05/11/12 13:53 / smm
Nickel	ND	ug/L		20		E200.8	05/11/12 13:53 / smm
Selenium	ND	ug/L		5.0		E200.8	05/11/12 13:53 / smm
Silver	ND	ug/L		10		E200.8	05/11/12 13:53 / smm
Thallium	ND	ug/L		0.50		E200.8	05/11/12 13:53 / smm
Uranium	12.2	ug/L		0.30		E200.8	05/11/12 13:53 / smm
Vanadium	ND	ug/L		15		E200.8	05/11/12 13:53 / smm
Zinc	ND	ug/L		10		E200.8	05/11/12 13:53 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.7	pCi/L				E900.1	06/04/12 22:14 / lbb
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	06/04/12 22:14 / lbb
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	06/04/12 22:14 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050443-009
Client Sample ID: MW-29_05082012

Report Date: 06/14/12
Collection Date: 05/08/12 12:35
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	0.856	%				Calculation	05/21/12 07:04 / kbh
Anions	64.1	meq/L				Calculation	05/21/12 07:04 / kbh
Cations	65.2	meq/L				Calculation	05/21/12 07:04 / kbh
Solids, Total Dissolved Calculated	4210	mg/L				Calculation	05/21/12 07:04 / kbh
TDS Balance (0.80 - 1.20)	1.09					Calculation	05/21/12 07:04 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/16/12 17:57 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/16/12 17:57 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/16/12 17:57 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/16/12 17:57 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/16/12 17:57 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/16/12 17:57 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/16/12 17:57 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/16/12 17:57 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/16/12 17:57 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/16/12 17:57 / jlr
Surr: 1,2-Dichlorobenzene-d4	96.0	%REC		80-120		SW8260B	05/16/12 17:57 / jlr
Surr: Dibromofluoromethane	93.0	%REC		70-130		SW8260B	05/16/12 17:57 / jlr
Surr: p-Bromofluorobenzene	96.0	%REC		80-120		SW8260B	05/16/12 17:57 / jlr
Surr: Toluene-d8	95.0	%REC		80-120		SW8260B	05/16/12 17:57 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205087-005A
Client Sample ID: MW-30_05022012
Collection Date: 5/2/2012 1450h
Received Date: 5/4/2012 930h

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

Analyzed: 5/4/2012 1307h
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	50.9	50.00	102	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.6	50.00	103	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	52.3	50.00	105	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.4	50.00	105	72-151	

Reissue of a previously generated report. The Client Sample ID has been revised. Information herein supersedes that of the previously issued reports.

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1206289-005
Client Sample ID: MW-30_05022012
Collection Date: 5/2/2012 1450h
Received Date: 6/19/2012 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/26/2012 1606h	E200.8	0.100	< 0.100	

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Lab ID: C12050196-005
Client Sample ID: MW-30_05022012

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 05/02/12 14:50
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/04/12 22:27 / jba
Bicarbonate as HCO3	185	mg/L		1		A2320 B	05/04/12 22:27 / jba
Calcium	269	mg/L		0.5		E200.7	05/10/12 20:57 / sf
Chloride	124	mg/L		1		A4500-Cl B	05/08/12 11:16 / lr
Fluoride	0.34	mg/L		0.10		A4500-F C	05/07/12 12:55 / jba
Magnesium	69.3	mg/L		0.5		E200.7	05/10/12 20:57 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	05/11/12 13:22 / dc
Nitrogen, Nitrate+Nitrite as N	16	mg/L	D	1		E353.2	05/07/12 14:01 / dc
Potassium	7.7	mg/L		0.5		E200.7	05/11/12 19:04 / sf
Sodium	87.9	mg/L	D	0.6		E200.7	05/11/12 19:04 / sf
Sulfate	696	mg/L	D	10		A4500-SO4 E	05/10/12 12:25 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	1600	mg/L		10		A2540 C	05/04/12 16:49 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/09/12 12:15 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/09/12 12:15 / smm
Cadmium	ND	ug/L		0.50		E200.8	05/08/12 14:51 / smm
Chromium	ND	ug/L		25		E200.8	05/09/12 12:15 / smm
Cobalt	ND	ug/L		10		E200.8	05/09/12 12:15 / smm
Copper	ND	ug/L		10		E200.8	05/09/12 12:15 / smm
Iron	40	ug/L		30		E200.7	05/10/12 20:57 / sf
Lead	ND	ug/L		1.0		E200.8	05/08/12 14:51 / smm
Manganese	30	ug/L		10		E200.8	05/09/12 12:15 / smm
Mercury	ND	ug/L		0.50		E200.8	05/08/12 14:51 / smm
Molybdenum	ND	ug/L		10		E200.8	05/08/12 14:51 / smm
Nickel	ND	ug/L		20		E200.8	05/09/12 12:15 / smm
Selenium	32.3	ug/L		5.0		E200.8	05/09/12 12:15 / smm
Silver	ND	ug/L		10		E200.8	05/09/12 12:15 / smm
Thallium	ND	ug/L		0.50		E200.8	05/08/12 14:51 / smm
Uranium	6.81	ug/L		0.30		E200.8	05/08/12 14:51 / smm
Vanadium	ND	ug/L		15		E200.8	05/09/12 12:15 / smm
Zinc	ND	ug/L		10		E200.8	05/23/12 21:42 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.3	pCi/L				E900.1	05/18/12 20:05 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	05/18/12 20:05 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	05/18/12 20:05 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050196-005
Client Sample ID: MW-30_05022012

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 05/02/12 14:50
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	2.10	%				Calculation	05/15/12 07:08 / kbh
Anions	22.2	meq/L				Calculation	05/15/12 07:08 / kbh
Cations	23.2	meq/L				Calculation	05/15/12 07:08 / kbh
Solids, Total Dissolved Calculated	1440	mg/L				Calculation	05/15/12 07:08 / kbh
TDS Balance (0.80 - 1.20)	1.11					Calculation	05/15/12 07:08 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/09/12 05:54 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/09/12 05:54 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/09/12 05:54 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/09/12 05:54 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/09/12 05:54 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/09/12 05:54 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/09/12 05:54 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/09/12 05:54 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/09/12 05:54 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/09/12 05:54 / jlr
Surr: 1,2-Dichlorobenzene-d4	94.0	%REC		80-120		SW8260B	05/09/12 05:54 / jlr
Surr: Dibromofluoromethane	106	%REC		70-130		SW8260B	05/09/12 05:54 / jlr
Surr: p-Bromofluorobenzene	99.0	%REC		80-120		SW8260B	05/09/12 05:54 / jlr
Surr: Toluene-d8	92.0	%REC		80-120		SW8260B	05/09/12 05:54 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205087-006A
Client Sample ID: MW-31_05022012
Collection Date: 5/2/2012 1255h
Received Date: 5/4/2012 930h

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

Analyzed: 5/7/2012 825h
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	50.7	50.00	101	77-129	
Surr: Dibromofluoromethane	1868-53-7	50.6	50.00	101	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	50.5	50.00	101	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	52.0	50.00	104	72-151	

Reissue of a previously generated report. The Client Sample ID has been revised. Information herein supersedes that of the previously issued reports.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1206289-006
Client Sample ID: MW-31_05022012
Collection Date: 5/2/2012 1255h
Received Date: 6/19/2012 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/26/2012 1626h	E200.8	0.100	< 0.100	

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Lab ID: C12050196-006
Client Sample ID: MW-31_05022012

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 05/02/12 12:55
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/04/12 22:43 / jba
Bicarbonate as HCO3	208	mg/L		1		A2320 B	05/04/12 22:43 / jba
Calcium	187	mg/L		0.5		E200.7	05/10/12 21:01 / sf
Chloride	151	mg/L		1		A4500-Cl B	05/08/12 11:18 / lr
Fluoride	0.78	mg/L		0.10		A4500-F C	05/07/12 13:00 / jba
Magnesium	88.0	mg/L		0.5		E200.7	05/10/12 21:01 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	05/11/12 13:28 / dc
Nitrogen, Nitrate+Nitrite as N	20	mg/L	D	1		E353.2	05/07/12 14:03 / dc
Potassium	7.0	mg/L		0.5		E200.7	05/11/12 19:08 / sf
Sodium	87.9	mg/L	D	0.6		E200.7	05/11/12 19:08 / sf
Sulfate	532	mg/L	D	10		A4500-SO4 E	05/10/12 12:31 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	1410	mg/L		10		A2540 C	05/04/12 16:49 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/08/12 14:54 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/08/12 14:54 / smm
Cadmium	ND	ug/L		0.50		E200.8	05/08/12 14:54 / smm
Chromium	ND	ug/L		25		E200.8	05/08/12 14:54 / smm
Cobalt	ND	ug/L		10		E200.8	05/08/12 14:54 / smm
Copper	ND	ug/L		10		E200.8	05/08/12 14:54 / smm
Iron	ND	ug/L		30		E200.7	05/10/12 21:01 / sf
Lead	ND	ug/L		1.0		E200.8	05/08/12 14:54 / smm
Manganese	ND	ug/L		10		E200.8	05/08/12 14:54 / smm
Mercury	ND	ug/L		0.50		E200.8	05/08/12 14:54 / smm
Molybdenum	ND	ug/L		10		E200.8	05/08/12 14:54 / smm
Nickel	ND	ug/L		20		E200.8	05/08/12 14:54 / smm
Selenium	70.2	ug/L		5.0		E200.8	05/08/12 14:54 / smm
Silver	ND	ug/L		10		E200.8	05/09/12 12:38 / smm
Thallium	ND	ug/L		0.50		E200.8	05/08/12 14:54 / smm
Uranium	7.34	ug/L		0.30		E200.8	05/08/12 14:54 / smm
Vanadium	ND	ug/L		15		E200.8	05/08/12 14:54 / smm
Zinc	ND	ug/L		10		E200.8	05/08/12 14:54 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.5	pCi/L				E900.1	05/18/12 20:05 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	05/18/12 20:05 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	05/18/12 20:05 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050196-006
Client Sample ID: MW-31_05022012

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 05/02/12 12:55
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	0.821	%				Calculation	05/15/12 07:08 / kbh
Anions	20.2	meq/L				Calculation	05/15/12 07:08 / kbh
Cations	20.6	meq/L				Calculation	05/15/12 07:08 / kbh
Solids, Total Dissolved Calculated	1260	mg/L				Calculation	05/15/12 07:08 / kbh
TDS Balance (0.80 - 1.20)	1.12					Calculation	05/15/12 07:08 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/09/12 06:30 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/09/12 06:30 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/09/12 06:30 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/09/12 06:30 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/09/12 06:30 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/09/12 06:30 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/09/12 06:30 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/09/12 06:30 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/09/12 06:30 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/09/12 06:30 / jlr
Surr: 1,2-Dichlorobenzene-d4	92.0	%REC		80-120		SW8260B	05/09/12 06:30 / jlr
Surr: Dibromofluoromethane	100	%REC		70-130		SW8260B	05/09/12 06:30 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC		80-120		SW8260B	05/09/12 06:30 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	05/09/12 06:30 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205087-007A
Client Sample ID: MW-32_04302012
Collection Date: 4/30/2012 1520h
Received Date: 5/4/2012 930h

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

Analyzed: 5/4/2012 1326h
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	51.3	50.00	103	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.6	50.00	103	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	52.6	50.00	105	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	58.6	50.00	117	72-151	

Reissue of a previously generated report. The Client Sample ID has been revised. Information herein supersedes that of the previously issued reports.

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines
Contact: Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1206289-007
Client Sample ID: MW-32_04302012
Collection Date: 4/30/2012 1520h
Received Date: 6/19/2012 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/26/2012 1630h	E200.8	0.100	< 0.100	

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Lab ID: C12050196-007
Client Sample ID: MW-32_04302012

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 04/30/12 15:20
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/04/12 22:51 / jba
Bicarbonate as HCO3	484	mg/L		1		A2320 B	05/04/12 22:51 / jba
Calcium	480	mg/L		0.5		E200.7	05/10/12 21:05 / sf
Chloride	33	mg/L		1		A4500-Cl B	05/08/12 11:21 / lr
Fluoride	0.22	mg/L		0.10		A4500-F C	05/07/12 13:07 / jba
Magnesium	202	mg/L		0.5		E200.7	05/10/12 21:05 / sf
Nitrogen, Ammonia as N	0.64	mg/L		0.05		A4500-NH3 G	05/11/12 13:34 / dc
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	05/07/12 14:06 / dc
Potassium	15.6	mg/L		0.5		E200.7	05/11/12 19:12 / sf
Sodium	208	mg/L	D	2		E200.7	05/11/12 19:12 / sf
Sulfate	2130	mg/L	D	50		A4500-SO4 E	05/10/12 12:35 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3850	mg/L		10		A2540 C	05/04/12 16:50 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/08/12 14:57 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/08/12 14:57 / smm
Cadmium	1.01	ug/L		0.50		E200.8	05/08/12 14:57 / smm
Chromium	ND	ug/L		25		E200.8	05/08/12 14:57 / smm
Cobalt	34	ug/L		10		E200.8	05/08/12 14:57 / smm
Copper	ND	ug/L		10		E200.8	05/08/12 14:57 / smm
Iron	5040	ug/L		30		E200.7	05/10/12 21:05 / sf
Lead	ND	ug/L		1.0		E200.8	05/08/12 14:57 / smm
Manganese	4800	ug/L		10		E200.8	05/08/12 14:57 / smm
Mercury	ND	ug/L		0.50		E200.8	05/08/12 14:57 / smm
Molybdenum	ND	ug/L		10		E200.8	05/08/12 14:57 / smm
Nickel	47	ug/L		20		E200.8	05/08/12 14:57 / smm
Selenium	ND	ug/L		5.0		E200.8	05/08/12 14:57 / smm
Silver	ND	ug/L		10		E200.8	05/09/12 12:43 / smm
Thallium	ND	ug/L		0.50		E200.8	05/08/12 14:57 / smm
Uranium	1.88	ug/L		0.30		E200.8	05/08/12 14:57 / smm
Vanadium	ND	ug/L		15		E200.8	05/08/12 14:57 / smm
Zinc	67	ug/L		10		E200.8	05/23/12 21:46 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	2.4	pCi/L				E900.1	05/18/12 20:05 / lbb
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	05/18/12 20:05 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	05/18/12 20:05 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050196-007
Client Sample ID: MW-32_04302012

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 04/30/12 15:20
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-3.07	%				Calculation	05/15/12 07:08 / kbh
Anions	53.3	meq/L				Calculation	05/15/12 07:08 / kbh
Cations	50.1	meq/L				Calculation	05/15/12 07:08 / kbh
Solids, Total Dissolved Calculated	3330	mg/L				Calculation	05/15/12 07:08 / kbh
TDS Balance (0.80 - 1.20)	1.16					Calculation	05/15/12 07:08 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/09/12 07:06 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/09/12 07:06 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/09/12 07:06 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/09/12 07:06 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/09/12 07:06 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/09/12 07:06 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/09/12 07:06 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/09/12 07:06 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/09/12 07:06 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/09/12 07:06 / jlr
Surr: 1,2-Dichlorobenzene-d4	89.0	%REC		80-120		SW8260B	05/09/12 07:06 / jlr
Surr: Dibromofluoromethane	102	%REC		70-130		SW8260B	05/09/12 07:06 / jlr
Surr: p-Bromofluorobenzene	93.0	%REC		80-120		SW8260B	05/09/12 07:06 / jlr
Surr: Toluene-d8	96.0	%REC		80-120		SW8260B	05/09/12 07:06 / jlr

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205087-008A
Client Sample ID: MW-35_05022012
Collection Date: 5/2/2012 1430h
Received Date: 5/4/2012 930h

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

Analyzed: 5/4/2012 1345h
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	48.6	50.00	97.1	77-129	
Surr: Dibromofluoromethane	1868-53-7	49.2	50.00	98.4	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	48.6	50.00	97.2	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.6	50.00	107	72-151	

Reissue of a previously generated report. The Client Sample ID has been revised. Information herein supersedes that of the previously issued reports.

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1206289-008
Client Sample ID: MW-35_05022012
Collection Date: 5/2/2012 1430h
Received Date: 6/19/2012 1020h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/26/2012 1634h	E200.8	0.100	< 0.100	

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Lab ID: C12050196-008
Client Sample ID: MW-35_05022012

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 05/02/12 14:30
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/04/12 22:59 / jba
Bicarbonate as HCO3	407	mg/L		1		A2320 B	05/04/12 22:59 / jba
Calcium	502	mg/L		0.5		E200.7	05/10/12 21:09 / sf
Chloride	59	mg/L		1		A4500-Cl B	05/08/12 11:22 / lr
Fluoride	0.36	mg/L		0.10		A4500-F C	05/07/12 13:11 / jba
Magnesium	151	mg/L		0.5		E200.7	05/10/12 21:09 / sf
Nitrogen, Ammonia as N	0.08	mg/L		0.05		A4500-NH3 G	05/11/12 13:36 / dc
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	05/07/12 12:03 / dc
Potassium	12.2	mg/L		0.5		E200.7	05/11/12 19:29 / sf
Sodium	342	mg/L	D	2		E200.7	05/11/12 19:29 / sf
Sulfate	2240	mg/L	D	50		A4500-SO4 E	05/10/12 12:37 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3960	mg/L		10		A2540 C	05/04/12 16:50 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/08/12 15:14 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/10/12 12:28 / smm
Cadmium	ND	ug/L		0.50		E200.8	05/08/12 15:14 / smm
Chromium	ND	ug/L		25		E200.8	05/09/12 12:48 / smm
Cobalt	ND	ug/L		10		E200.8	05/09/12 12:48 / smm
Copper	ND	ug/L		10		E200.8	05/08/12 15:14 / smm
Iron	142	ug/L		30		E200.7	05/10/12 21:09 / sf
Lead	ND	ug/L		1.0		E200.8	05/08/12 15:14 / smm
Manganese	258	ug/L		10		E200.8	05/09/12 12:48 / smm
Mercury	ND	ug/L		0.50		E200.8	05/08/12 15:14 / smm
Molybdenum	ND	ug/L		10		E200.8	05/09/12 12:48 / smm
Nickel	ND	ug/L		20		E200.8	05/09/12 12:48 / smm
Selenium	11.4	ug/L		5.0		E200.8	05/08/12 15:14 / smm
Silver	ND	ug/L		10		E200.8	05/09/12 12:48 / smm
Thallium	0.66	ug/L		0.50		E200.8	05/08/12 15:14 / smm
Uranium	22.2	ug/L	D	0.50		E200.8	05/08/12 15:14 / smm
Vanadium	ND	ug/L		15		E200.8	05/09/12 12:48 / smm
Zinc	ND	ug/L		10		E200.8	05/10/12 12:28 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	4.5	pCi/L				E900.1	05/18/12 20:05 / lbb
Gross Alpha minus Rn & U Precision (±)	0.4	pCi/L				E900.1	05/18/12 20:05 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	05/18/12 20:05 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050196-008
Client Sample ID: MW-35_05022012

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 05/02/12 14:30
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-2.15	%				Calculation	05/15/12 07:08 / kbh
Anions	55.0	meq/L				Calculation	05/15/12 07:08 / kbh
Cations	52.7	meq/L				Calculation	05/15/12 07:08 / kbh
Solids, Total Dissolved Calculated	3530	mg/L				Calculation	05/15/12 07:08 / kbh
TDS Balance (0.80 - 1.20)	1.12					Calculation	05/15/12 07:08 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/09/12 07:43 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/09/12 07:43 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/09/12 07:43 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/09/12 07:43 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/09/12 07:43 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/09/12 07:43 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/09/12 07:43 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/09/12 07:43 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/09/12 07:43 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/09/12 07:43 / jlr
Surr: 1,2-Dichlorobenzene-d4	94.0	%REC		80-120		SW8260B	05/09/12 07:43 / jlr
Surr: Dibromofluoromethane	107	%REC		70-130		SW8260B	05/09/12 07:43 / jlr
Surr: p-Bromofluorobenzene	97.0	%REC		80-120		SW8260B	05/09/12 07:43 / jlr
Surr: Toluene-d8	93.0	%REC		80-120		SW8260B	05/09/12 07:43 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205202-010A
Client Sample ID: MW-36_05082012
Collection Date: 5/8/2012 800h
Received Date: 5/11/2012 1300h

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

Analyzed: 5/13/2012 050h
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	51.0	50.00	102	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.2	50.00	103	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	50.0	50.00	100	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.4	50.00	115	72-151	

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Jose Rocha
QA Officer

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205500-010
Client Sample ID: MW-36_05082012
Collection Date: 5/8/2012 0800h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1634h	E200.8	0.100	< 0.100	

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: Semi-Annual Groundwater 2012
Lab ID: C12050443-010
Client Sample ID: MW-36_05082012

Report Date: 06/14/12
Collection Date: 05/08/12 08:00
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/11/12 21:01 / jba
Bicarbonate as HCO3	355	mg/L		1		A2320 B	05/11/12 21:01 / jba
Calcium	464	mg/L		0.5		E200.7	05/11/12 21:18 / sf
Chloride	58	mg/L		1		A4500-Cl B	05/17/12 13:55 / lr
Fluoride	0.33	mg/L		0.10		A4500-F C	05/11/12 13:43 / jba
Magnesium	149	mg/L		0.5		E200.7	05/11/12 21:18 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	05/14/12 16:05 / dc
Nitrogen, Nitrate+Nitrite as N	0.2	mg/L		0.1		E353.2	05/16/12 13:06 / dc
Potassium	12.8	mg/L		0.5		E200.7	05/11/12 21:18 / sf
Sodium	730	mg/L		0.5		E200.7	05/11/12 21:18 / sf
Sulfate	2700	mg/L	D	50		A4500-SO4 E	05/18/12 11:43 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	4540	mg/L		10		A2540 C	05/11/12 16:37 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/11/12 13:57 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/11/12 13:57 / smm
Cadmium	ND	ug/L		0.50		E200.8	05/11/12 13:57 / smm
Chromium	ND	ug/L		25		E200.8	05/11/12 13:57 / smm
Cobalt	ND	ug/L		10		E200.8	05/11/12 13:57 / smm
Copper	ND	ug/L		10		E200.8	05/11/12 13:57 / smm
Iron	ND	ug/L		30		E200.7	05/11/12 21:18 / sf
Lead	ND	ug/L		1.0		E200.8	05/11/12 13:57 / smm
Manganese	ND	ug/L		10		E200.8	05/11/12 13:57 / smm
Mercury	ND	ug/L		0.50		E200.8	05/11/12 13:57 / smm
Molybdenum	ND	ug/L		10		E200.8	05/11/12 13:57 / smm
Nickel	ND	ug/L		20		E200.8	05/11/12 13:57 / smm
Selenium	307	ug/L		5.0		E200.8	05/11/12 13:57 / smm
Silver	ND	ug/L		10		E200.8	05/11/12 13:57 / smm
Thallium	0.89	ug/L		0.50		E200.8	05/11/12 13:57 / smm
Uranium	23.4	ug/L		0.30		E200.8	05/11/12 13:57 / smm
Vanadium	ND	ug/L		15		E200.8	05/11/12 13:57 / smm
Zinc	ND	ug/L		10		E200.8	05/11/12 13:57 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	0.3	pCi/L				E900.1	06/04/12 22:14 / lbb
Gross Alpha minus Rn & U Precision (±)	0.2	pCi/L				E900.1	06/04/12 22:14 / lbb
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	06/04/12 22:14 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050443-010
Client Sample ID: MW-36_05082012

Report Date: 06/14/12
Collection Date: 05/08/12 08:00
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	2.87	%				Calculation	05/21/12 07:04 / kbh
Anions	63.8	meq/L				Calculation	05/21/12 07:04 / kbh
Cations	67.5	meq/L				Calculation	05/21/12 07:04 / kbh
Solids, Total Dissolved Calculated	4310	mg/L				Calculation	05/21/12 07:04 / kbh
TDS Balance (0.80 - 1.20)	1.05					Calculation	05/21/12 07:04 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/16/12 18:34 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/16/12 18:34 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/16/12 18:34 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/16/12 18:34 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/16/12 18:34 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/16/12 18:34 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/16/12 18:34 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/16/12 18:34 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/16/12 18:34 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/16/12 18:34 / jlr
Surr: 1,2-Dichlorobenzene-d4	95.0	%REC		80-120		SW8260B	05/16/12 18:34 / jlr
Surr: Dibromofluoromethane	97.0	%REC		70-130		SW8260B	05/16/12 18:34 / jlr
Surr: p-Bromofluorobenzene	96.0	%REC		80-120		SW8260B	05/16/12 18:34 / jlr
Surr: Toluene-d8	93.0	%REC		80-120		SW8260B	05/16/12 18:34 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semiannual Ground Water 2012
Lab Sample ID: 1206010-001A
Client Sample ID: MW-37_05292012
Collection Date: 5/29/2012 1325h
Received Date: 6/1/2012 1330h

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

Analyzed: 6/5/2012 0057h
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	51.7	50.00	103	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.6	50.00	103	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	50.4	50.00	101	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.2	50.00	108	72-151	

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Laboratory Director

Jose Rocha
QA Officer

INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semiannual Ground Water 2012
Lab Sample ID: 1206010-001
Client Sample ID: MW-37_05292012
Collection Date: 5/29/2012 1325h
Received Date: 6/1/2012 1330h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1722h	E200.8	0.100	< 0.100	

This sample was not digested pursuant to the client request.

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

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Lab ID: C12060029-001
Client Sample ID: MW-37_05292012

Report Date: 06/25/12
Collection Date: 05/29/12 13:25
DateReceived: 06/01/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	06/05/12 05:12 / jba
Bicarbonate as HCO3	264	mg/L		1		A2320 B	06/05/12 05:12 / jba
Calcium	479	mg/L		0.5		E200.7	06/07/12 16:46 / sf
Chloride	50	mg/L		1		A4500-Cl B	06/14/12 15:32 / lr
Fluoride	0.24	mg/L		0.10		A4500-F C	06/05/12 12:16 / jba
Magnesium	140	mg/L		0.5		E200.7	06/07/12 16:46 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	06/08/12 15:17 / ljl
Nitrogen, Nitrate+Nitrite as N	0.9	mg/L		0.1		E353.2	06/01/12 16:02 / ljl
Potassium	16.3	mg/L		0.5		E200.7	06/07/12 16:46 / sf
Sodium	595	mg/L	D	0.6		E200.7	06/07/12 16:46 / sf
Sulfate	2460	mg/L	D	50		A4500-SO4 E	06/04/12 10:18 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	4000	mg/L		10		A2540 C	06/04/12 15:18 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	06/19/12 01:02 / cp
Beryllium	ND	ug/L		0.50		E200.8	06/19/12 01:02 / cp
Cadmium	ND	ug/L		0.50		E200.8	06/19/12 01:02 / cp
Chromium	ND	ug/L		25		E200.8	06/19/12 01:02 / cp
Cobalt	ND	ug/L		10		E200.8	06/19/12 01:02 / cp
Copper	ND	ug/L		10		E200.8	06/19/12 01:02 / cp
Iron	ND	ug/L		30		E200.7	06/07/12 16:46 / sf
Lead	ND	ug/L		1.0		E200.8	06/19/12 01:02 / cp
Manganese	ND	ug/L		10		E200.8	06/19/12 01:02 / cp
Mercury	ND	ug/L		0.50		E200.8	06/19/12 01:02 / cp
Molybdenum	ND	ug/L		10		E200.8	06/19/12 01:02 / cp
Nickel	ND	ug/L		20		E200.8	06/19/12 01:02 / cp
Selenium	6.9	ug/L		5.0		E200.8	06/19/12 01:02 / cp
Silver	ND	ug/L		10		E200.8	06/19/12 01:02 / cp
Thallium	0.58	ug/L		0.50		E200.8	06/19/12 01:02 / cp
Uranium	10.9	ug/L		0.30		E200.8	06/19/12 01:02 / cp
Vanadium	ND	ug/L		15		E200.8	06/19/12 01:02 / cp
Zinc	20	ug/L		10		E200.8	06/19/12 01:02 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	2.7	pCi/L				E900.1	06/05/12 16:44 / lbb
Gross Alpha minus Rn & U Precision (±)	0.7	pCi/L				E900.1	06/05/12 16:44 / lbb
Gross Alpha minus Rn & U MDC	0.5	pCi/L				E900.1	06/05/12 16:44 / 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: Semi-Annual Groundwater 2012
Lab ID: C12060029-001
Client Sample ID: MW-37_05292012

Report Date: 06/25/12
Collection Date: 05/29/12 13:25
DateReceived: 06/01/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	4.00	%				A1030 E	06/25/12 15:49 / sdw
Anions	57.0	meq/L				A1030 E	06/25/12 15:49 / sdw
Cations	61.7	meq/L				A1030 E	06/25/12 15:49 / sdw
Solids, Total Dissolved Calculated	3900	mg/L				A1030 E	06/25/12 15:49 / sdw
TDS Balance (0.80 - 1.20)	1.03					A1030 E	06/25/12 15:49 / sdw
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/05/12 21:26 / jk
Benzene	ND	ug/L		1.0		SW8260B	06/05/12 21:26 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/05/12 21:26 / jk
Chloroform	ND	ug/L		1.0		SW8260B	06/05/12 21:26 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	06/05/12 21:26 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/05/12 21:26 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	06/05/12 21:26 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	06/05/12 21:26 / jk
Toluene	ND	ug/L		1.0		SW8260B	06/05/12 21:26 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/05/12 21:26 / jk
Surr: 1,2-Dichlorobenzene-d4	93.0	%REC		80-120		SW8260B	06/05/12 21:26 / jk
Surr: Dibromofluoromethane	98.0	%REC		70-130		SW8260B	06/05/12 21:26 / jk
Surr: p-Bromofluorobenzene	88.0	%REC		80-120		SW8260B	06/05/12 21:26 / jk
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	06/05/12 21:26 / 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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205130-004A
Client Sample ID: MW-65 _ 05072012
Collection Date: 5/7/2012 945h
Received Date: 5/8/2012 1000h

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

Analyzed: 5/8/2012 1305h
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	50.1	50.00	100	77-129	
Surr: Dibromofluoromethane	1868-53-7	52.4	50.00	105	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	49.3	50.00	98.6	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	60.5	50.00	121	72-151	

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205501-004
Client Sample ID: MW-65_05072012
Collection Date: 5/7/2012 0945h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1706h	E200.8	0.100	< 0.100	

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: Semi-Annual Groundwater 2012
Lab ID: C12050272-004
Client Sample ID: MW-65_05072012

Revised Date: 07/31/12
Report Date: 06/06/12
Collection Date: 05/07/12 09:45
DateReceived: 05/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/08/12 17:44 / jba
Bicarbonate as HCO3	393	mg/L		1		A2320 B	05/08/12 17:44 / jba
Calcium	440	mg/L		0.5		E200.7	05/10/12 21:26 / sf
Chloride	74	mg/L		1		A4500-Cl B	05/17/12 11:17 / lr
Fluoride	0.39	mg/L		0.10		A4500-F C	05/09/12 11:50 / jba
Magnesium	152	mg/L		0.5		E200.7	05/10/12 21:26 / sf
Nitrogen, Ammonia as N	0.14	mg/L		0.05		A4500-NH3 G	05/11/12 14:42 / dc
Nitrogen, Nitrate+Nitrite as N	2.9	mg/L	D	0.2		E353.2	05/08/12 17:44 / dc
Potassium	11.3	mg/L		0.5		E200.7	05/11/12 19:53 / sf
Sodium	208	mg/L		0.5		E200.7	05/11/12 19:53 / sf
Sulfate	1840	mg/L	D	50		A4500-SO4 E	05/10/12 12:49 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3270	mg/L		10		A2540 C	05/09/12 14:09 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/10/12 13:15 / smm
Beryllium	ND	ug/L		0.50		E200.8	05/10/12 13:15 / smm
Cadmium	ND	ug/L		0.50		E200.8	05/10/12 13:15 / smm
Chromium	ND	ug/L		25		E200.8	05/10/12 13:15 / smm
Cobalt	ND	ug/L		10		E200.8	05/10/12 13:15 / smm
Copper	ND	ug/L		10		E200.8	05/10/12 13:15 / smm
Iron	720	ug/L		30		E200.7	05/10/12 21:26 / sf
Lead	ND	ug/L		1.0		E200.8	05/10/12 13:15 / smm
Manganese	1060	ug/L		10		E200.8	05/10/12 13:15 / smm
Mercury	ND	ug/L		0.50		E200.8	05/10/12 13:15 / smm
Molybdenum	ND	ug/L		10		E200.8	05/10/12 13:15 / smm
Nickel	ND	ug/L		20		E200.8	05/10/12 13:15 / smm
Selenium	ND	ug/L		5.0		E200.8	05/10/12 13:15 / smm
Silver	ND	ug/L		10		E200.8	05/10/12 13:15 / smm
Thallium	ND	ug/L		0.50		E200.8	05/10/12 13:15 / smm
Uranium	17.6	ug/L		0.30		E200.8	05/10/12 13:15 / smm
Vanadium	ND	ug/L		15		E200.8	05/10/12 13:15 / smm
Zinc	ND	ug/L		10		E200.8	05/10/12 13:15 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	3.3	pCi/L				E900.1	05/19/12 02:11 / lbb
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	05/19/12 02:11 / lbb
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	05/19/12 02:11 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050272-004
Client Sample ID: MW-65_05072012

Revised Date: 07/31/12
Report Date: 06/06/12
Collection Date: 05/07/12 09:45
DateReceived: 05/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	-3.68	%				Calculation	05/18/12 06:42 / kbh
Anions	47.1	meq/L				Calculation	05/18/12 06:42 / kbh
Cations	43.8	meq/L				Calculation	05/18/12 06:42 / kbh
Solids, Total Dissolved Calculated	2950	mg/L				Calculation	05/18/12 06:42 / kbh
TDS Balance (0.80 - 1.20)	1.11					Calculation	05/18/12 06:42 / 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: Semi-Annual Groundwater 2012
Lab ID: C12061241-002
Client Sample ID: MW-65_06262012

Report Date: 07/13/12
Collection Date: 06/26/12 11:55
DateReceived: 06/29/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/07/12 04:32 / jk
Benzene	ND	ug/L		1.0		SW8260B	07/07/12 04:32 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/07/12 04:32 / jk
Chloroform	1700	ug/L	D	100		SW8260B	07/07/12 06:58 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	07/07/12 04:32 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/07/12 04:32 / jk
Methylene chloride	9.8	ug/L		1.0		SW8260B	07/07/12 04:32 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	07/07/12 04:32 / jk
Toluene	ND	ug/L		1.0		SW8260B	07/07/12 04:32 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/07/12 04:32 / jk
Surr: 1,2-Dichlorobenzene-d4	101	%REC		80-120		SW8260B	07/07/12 04:32 / jk
Surr: Dibromofluoromethane	100	%REC		70-130		SW8260B	07/07/12 04:32 / jk
Surr: p-Bromofluorobenzene	84.0	%REC		80-120		SW8260B	07/07/12 04:32 / jk
Surr: Toluene-d8	94.0	%REC		80-120		SW8260B	07/07/12 04:32 / 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.

ORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205319-005A
Client Sample ID: MW-70_05162012
Collection Date: 5/16/2012 900h
Received Date: 5/18/2012 1000h

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

Analyzed: 5/18/2012 1507h
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	52.0	50.00	104	77-129	
Surr: Dibromofluoromethane	1868-53-7	50.5	50.00	101	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	51.7	50.00	103	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.9	50.00	116	72-151	

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INORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205499-005
Client Sample ID: MW-70_05162012
Collection Date: 5/16/2012 0900h
Received Date: 5/30/2012 0930h

Analytical Results DISSOLVED METALS

Compound	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Tin	mg/L		6/7/2012 1720h	E200.8	0.100	< 0.100	

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: Semi-Annual Groundwater 2012
Lab ID: C12050723-005
Client Sample ID: MW-70_05162012

Revised Date: 07/31/12
Report Date: 06/15/12
Collection Date: 05/16/12 09:00
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Carbonate as CO3	ND	mg/L		1		A2320 B	05/19/12 02:11 / jba
Bicarbonate as HCO3	215	mg/L		1		A2320 B	05/19/12 02:11 / jba
Calcium	187	mg/L		0.5		E200.7	05/21/12 14:55 / sf
Chloride	35	mg/L		1		A4500-Cl B	05/30/12 09:22 / lr
Fluoride	0.94	mg/L		0.10		A4500-F C	05/18/12 14:25 / jba
Magnesium	69.1	mg/L		0.5		E200.7	05/21/12 14:55 / sf
Nitrogen, Ammonia as N	ND	mg/L		0.05		A4500-NH3 G	05/21/12 15:24 / dc
Nitrogen, Nitrate+Nitrite as N	3.7	mg/L	D	0.2		E353.2	05/22/12 16:58 / dc
Potassium	5.0	mg/L		0.5		E200.7	05/21/12 14:55 / sf
Sodium	111	mg/L		0.5		E200.7	05/21/12 14:55 / sf
Sulfate	697	mg/L	D	20		A4500-SO4 E	05/23/12 11:26 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	1400	mg/L		10		A2540 C	05/21/12 11:03 / ab
METALS - DISSOLVED							
Arsenic	ND	ug/L		5.0		E200.8	05/21/12 23:18 / cp
Beryllium	ND	ug/L		0.50		E200.8	05/21/12 23:18 / cp
Cadmium	ND	ug/L		0.50		E200.8	05/21/12 23:18 / cp
Chromium	ND	ug/L		25		E200.8	05/21/12 23:18 / cp
Cobalt	ND	ug/L		10		E200.8	05/21/12 23:18 / cp
Copper	ND	ug/L		10		E200.8	05/21/12 23:18 / cp
Iron	ND	ug/L		30		E200.7	05/21/12 14:55 / sf
Lead	ND	ug/L		1.0		E200.8	05/21/12 23:18 / cp
Manganese	31	ug/L		10		E200.8	05/21/12 23:18 / cp
Mercury	ND	ug/L		0.50		E200.8	05/21/12 23:18 / cp
Molybdenum	ND	ug/L		10		E200.8	05/21/12 23:18 / cp
Nickel	ND	ug/L		20		E200.8	05/21/12 23:18 / cp
Selenium	20.6	ug/L		5.0		E200.8	05/21/12 23:18 / cp
Silver	ND	ug/L		10		E200.8	05/21/12 23:18 / cp
Thallium	0.51	ug/L		0.50		E200.8	05/21/12 23:18 / cp
Uranium	5.66	ug/L		0.30		E200.8	05/21/12 23:18 / cp
Vanadium	ND	ug/L		15		E200.8	05/21/12 23:18 / cp
Zinc	ND	ug/L		10		E200.8	05/21/12 23:18 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	1.2	pCi/L				E900.1	05/31/12 01:04 / lbb
Gross Alpha minus Rn & U Precision (±)	0.3	pCi/L				E900.1	05/31/12 01:04 / lbb
Gross Alpha minus Rn & U MDC	0.3	pCi/L				E900.1	05/31/12 01:04 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050723-005
Client Sample ID: MW-70_05162012

Revised Date: 07/31/12
Report Date: 06/15/12
Collection Date: 05/16/12 09:00
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
DATA QUALITY							
A/C Balance (± 5)	1.59	%				A1030 E	06/01/12 07:11 / kbh
Anions	19.3	meq/L				A1030 E	06/01/12 07:11 / kbh
Cations	20.0	meq/L				A1030 E	06/01/12 07:11 / kbh
Solids, Total Dissolved Calculated	1240	mg/L				A1030 E	06/01/12 07:11 / kbh
TDS Balance (0.80 - 1.20)	1.13					A1030 E	06/01/12 07:11 / kbh
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/24/12 03:42 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/24/12 03:42 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/24/12 03:42 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/24/12 03:42 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/24/12 03:42 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/24/12 03:42 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/24/12 03:42 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/24/12 03:42 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/24/12 03:42 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/24/12 03:42 / jlr
Surr: 1,2-Dichlorobenzene-d4	101	%REC		80-120		SW8260B	05/24/12 03:42 / jlr
Surr: Dibromofluoromethane	117	%REC		70-130		SW8260B	05/24/12 03:42 / jlr
Surr: p-Bromofluorobenzene	92.0	%REC		80-120		SW8260B	05/24/12 03:42 / jlr
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	05/24/12 03:42 / jlr

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 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205087-009A
Client Sample ID: Trip Blank_04302012
Collection Date: 4/30/2012
Received Date: 5/4/2012 930h

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

Analyzed: 5/4/2012 1404h
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	50.9	50.00	102	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.5	50.00	103	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	51.7	50.00	103	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	57.3	50.00	115	72-151	

Reissue of a previously generated report. The Client Sample ID has been revised. Information herein supersedes that of the previously issued reports.

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Laboratory Director

Jose Rocha
QA Officer

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ORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205130-005A
Client Sample ID: Trip Blank
Collection Date: 5/4/2012
Received Date: 5/8/2012 1000h

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

Analyzed: 5/8/2012 1450h
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	52.4	50.00	105	77-129	
Surr: Dibromofluoromethane	1868-53-7	52.2	50.00	104	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	51.6	50.00	103	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	56.7	50.00	113	72-151	

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ORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1205202-011A
Client Sample ID: Trip Blank
Collection Date: 5/8/2012
Received Date: 5/11/2012 1300h

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

Analyzed: 5/13/2012 109h
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	51.0	50.00	102	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.0	50.00	102	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	50.8	50.00	102	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.0	50.00	108	72-151	

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ORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semiannual Ground Water 2012
Lab Sample ID: 1205319-006A
Client Sample ID: Trip Blank
Collection Date: 5/14/2012
Received Date: 5/18/2012 1000h

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

Analyzed: 5/18/2012 1526h
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	51.8	50.00	104	77-129	
Surr: Dibromofluoromethane	1868-53-7	50.7	50.00	101	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	52.3	50.00	105	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	54.1	50.00	108	72-151	

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ORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semiannual Ground Water 2012
Lab Sample ID: 1206010-002A
Client Sample ID: Trip Blank
Collection Date: 5/29/2012
Received Date: 6/1/2012 1330h

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

Analyzed: 6/5/2012 0038h
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	50.5	50.00	101	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.1	50.00	102	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	49.6	50.00	99.2	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.3	50.00	111	72-151	

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ORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012
Lab Sample ID: 1206136-002A
Client Sample ID: Trip Blank
Collection Date: 6/4/2012
Received Date: 6/8/2012 835h

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

Analyzed: 6/12/2012 916h
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	53.6	50.00	107	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.0	50.00	102	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	53.8	50.00	108	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	51.8	50.00	104	72-151	

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LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Lab ID: C12050196-009
Client Sample ID: Trip Blank 6746

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 05/02/12
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/09/12 08:19 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/09/12 08:19 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/09/12 08:19 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/09/12 08:19 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/09/12 08:19 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/09/12 08:19 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/09/12 08:19 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/09/12 08:19 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/09/12 08:19 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/09/12 08:19 / jlr
Surr: 1,2-Dichlorobenzene-d4	95.0	%REC		80-120		SW8260B	05/09/12 08:19 / jlr
Surr: Dibromofluoromethane	98.0	%REC		70-130		SW8260B	05/09/12 08:19 / jlr
Surr: p-Bromofluorobenzene	94.0	%REC		80-120		SW8260B	05/09/12 08:19 / jlr
Surr: Toluene-d8	93.0	%REC		80-120		SW8260B	05/09/12 08:19 / jlr

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: Semi-Annual Groundwater 2012
Lab ID: C12050272-005
Client Sample ID: Trip Blank

Revised Date: 07/31/12
Report Date: 06/06/12
Collection Date: 05/04/12
DateReceived: 05/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/15/12 14:42 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/15/12 14:42 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/15/12 14:42 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/15/12 14:42 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/15/12 14:42 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/15/12 14:42 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/15/12 14:42 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/15/12 14:42 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/15/12 14:42 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/15/12 14:42 / jlr
Surr: 1,2-Dichlorobenzene-d4	95.0	%REC		80-120		SW8260B	05/15/12 14:42 / jlr
Surr: Dibromofluoromethane	89.0	%REC		70-130		SW8260B	05/15/12 14:42 / jlr
Surr: p-Bromofluorobenzene	122	%REC	S	80-120		SW8260B	05/15/12 14:42 / jlr
Surr: Toluene-d8	94.0	%REC		80-120		SW8260B	05/15/12 14:42 / jlr

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: Semi-Annual Groundwater 2012
Lab ID: C12050443-011
Client Sample ID: Trip Blank 6746

Report Date: 06/14/12
Collection Date: 05/10/12
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/16/12 19:10 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/16/12 19:10 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/16/12 19:10 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/16/12 19:10 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/16/12 19:10 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/16/12 19:10 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/16/12 19:10 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/16/12 19:10 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/16/12 19:10 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/16/12 19:10 / jlr
Surr: 1,2-Dichlorobenzene-d4	90.0	%REC		80-120		SW8260B	05/16/12 19:10 / jlr
Surr: Dibromofluoromethane	100	%REC		70-130		SW8260B	05/16/12 19:10 / jlr
Surr: p-Bromofluorobenzene	89.0	%REC		80-120		SW8260B	05/16/12 19:10 / jlr
Surr: Toluene-d8	100	%REC		80-120		SW8260B	05/16/12 19:10 / jlr

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: Semi-Annual Groundwater 2012
Lab ID: C12050723-006
Client Sample ID: Trip Blank 6746

Revised Date: 07/31/12
Report Date: 06/15/12
Collection Date: 05/14/12
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	05/24/12 04:19 / jlr
Benzene	ND	ug/L		1.0		SW8260B	05/24/12 04:19 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	05/24/12 04:19 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	05/24/12 04:19 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	05/24/12 04:19 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	05/24/12 04:19 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	05/24/12 04:19 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	05/24/12 04:19 / jlr
Toluene	ND	ug/L		1.0		SW8260B	05/24/12 04:19 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	05/24/12 04:19 / jlr
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC		80-120		SW8260B	05/24/12 04:19 / jlr
Surr: Dibromofluoromethane	112	%REC		70-130		SW8260B	05/24/12 04:19 / jlr
Surr: p-Bromofluorobenzene	89.0	%REC		80-120		SW8260B	05/24/12 04:19 / jlr
Surr: Toluene-d8	97.0	%REC		80-120		SW8260B	05/24/12 04:19 / jlr

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: Semi-Annual Groundwater 2012
Lab ID: C12060029-002
Client Sample ID: Trip Blank 6706

Report Date: 06/25/12
Collection Date: 05/29/12
DateReceived: 06/01/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/06/12 22:05 / jk
Benzene	ND	ug/L		1.0		SW8260B	06/06/12 22:05 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/06/12 22:05 / jk
Chloroform	ND	ug/L		1.0		SW8260B	06/06/12 22:05 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	06/06/12 22:05 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/06/12 22:05 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	06/06/12 22:05 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	06/06/12 22:05 / jk
Toluene	ND	ug/L		1.0		SW8260B	06/06/12 22:05 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/06/12 22:05 / jk
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC		80-120		SW8260B	06/06/12 22:05 / jk
Surr: Dibromofluoromethane	105	%REC		70-130		SW8260B	06/06/12 22:05 / jk
Surr: p-Bromofluorobenzene	91.0	%REC		80-120		SW8260B	06/06/12 22:05 / jk
Surr: Toluene-d8	100	%REC		80-120		SW8260B	06/06/12 22:05 / 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: Semi-Annual Groundwater 2012
Lab ID: C12060306-002
Client Sample ID: Trip Blank 6476

Report Date: 07/03/12
Collection Date: 06/04/12
DateReceived: 06/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/12/12 19:02 / jlr
Benzene	ND	ug/L		1.0		SW8260B	06/12/12 19:02 / jlr
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/12/12 19:02 / jlr
Chloroform	ND	ug/L		1.0		SW8260B	06/12/12 19:02 / jlr
Chloromethane	ND	ug/L		1.0		SW8260B	06/12/12 19:02 / jlr
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/12/12 19:02 / jlr
Methylene chloride	ND	ug/L		1.0		SW8260B	06/12/12 19:02 / jlr
Naphthalene	ND	ug/L		1.0		SW8260B	06/12/12 19:02 / jlr
Toluene	ND	ug/L		1.0		SW8260B	06/12/12 19:02 / jlr
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/12/12 19:02 / jlr
Surr: 1,2-Dichlorobenzene-d4	96.0	%REC		80-120		SW8260B	06/12/12 19:02 / jlr
Surr: Dibromofluoromethane	105	%REC		70-130		SW8260B	06/12/12 19:02 / jlr
Surr: p-Bromofluorobenzene	101	%REC		80-120		SW8260B	06/12/12 19:02 / jlr
Surr: Toluene-d8	105	%REC		80-120		SW8260B	06/12/12 19:02 / jlr

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: Semi-Annual Groundwater 2012
Lab ID: C12061241-003
Client Sample ID: Trip Blank 6706

Report Date: 07/13/12
Collection Date: 06/26/12
DateReceived: 06/29/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	07/07/12 02:43 / jk
Benzene	ND	ug/L		1.0		SW8260B	07/07/12 02:43 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	07/07/12 02:43 / jk
Chloroform	ND	ug/L		1.0		SW8260B	07/07/12 02:43 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	07/07/12 02:43 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	07/07/12 02:43 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	07/07/12 02:43 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	07/07/12 02:43 / jk
Toluene	ND	ug/L		1.0		SW8260B	07/07/12 02:43 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	07/07/12 02:43 / jk
Surr: 1,2-Dichlorobenzene-d4	100	%REC		80-120		SW8260B	07/07/12 02:43 / jk
Surr: Dibromofluoromethane	94.0	%REC		70-130		SW8260B	07/07/12 02:43 / jk
Surr: p-Bromofluorobenzene	78.0	%REC	S	80-120		SW8260B	07/07/12 02:43 / jk
Surr: Toluene-d8	103	%REC		80-120		SW8260B	07/07/12 02:43 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050196-010
Client Sample ID: Temp Blank

Revised Date: 06/27/12
Report Date: 05/30/12
Collection Date: 05/03/12
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	2.0	°C				E170.1	05/04/12 10:15 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050272-006
Client Sample ID: Temp Blank

Revised Date: 07/31/12
Report Date: 06/06/12
Collection Date: 05/07/12
DateReceived: 05/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	2.4	°C				E170.1	05/08/12 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: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Lab ID: C12050443-012
Client Sample ID: Temp Blank

Report Date: 06/14/12
Collection Date: 05/10/12
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	2.3	°C				E170.1	05/11/12 09:45 / 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: Semi-Annual Groundwater 2012
Lab ID: C12050723-007
Client Sample ID: Temp Blank

Revised Date: 07/31/12
Report Date: 06/15/12
Collection Date: 05/17/12
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	3.2	°C				E170.1	05/18/12 10:00 / 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: Semi-Annual Groundwater 2012
Lab ID: C12060029-003
Client Sample ID: Temp Blank

Report Date: 06/25/12
Collection Date: 05/29/12
DateReceived: 06/01/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	3.2	°C				E170.1	06/01/12 09:45 / 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: Semi-Annual Groundwater 2012
Lab ID: C12060306-003
Client Sample ID: Temp Blank

Report Date: 07/03/12
Collection Date: 06/07/12
DateReceived: 06/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	3.8	°C				E170.1	06/08/12 07:45 / sec

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: Semi-Annual Groundwater 2012
Lab ID: C12061241-004
Client Sample ID: Temp Blank

Report Date: 07/13/12
Collection Date: 06/28/12
DateReceived: 06/29/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	2.2	°C				E170.1	06/29/12 10:15 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Jo Ann Tischler
Denison Mines
1050 17th Street, # 950
Denver, CO 80265
TEL: (303) 389-4132

RE: Semi Annual Ground Water 2012

Dear Jo Ann Tischler: Lab Set ID: 1205087

American West Analytical Laboratories received 9 sample(s) on 5/4/2012 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is accredited by The NELAC Institute in Utah and Texas; and is state accredited in Colorado, Idaho, and Missouri. Accreditation documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

This is a revision to a report originally issued 5/14/2012. Pages 1, 2, and 4-12 have been revised.

Thank You,

Approved by: Jose G. Rocha
Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou=Quality Assurance Officer, email=jose@awal-labs.com, c=US
Date: 2012.05.16 14:55:35 -06'00'

Laboratory Director or designee

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

SAMPLE SUMMARY

Client: Denison Mines
Project: Semi Annual Ground Water 2012
Lab Set ID: 1205087
Date Received: 5/4/2012 930h

Contact: Jo Ann Tischler

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1205087-001A	MW-01_ 05012012	5/1/2012	945h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205087-002A	MW-18_04302012	4/30/2012	1455h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205087-003A	MW-25_05022012	5/2/2012	1050h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205087-004A	MW-27_05012012	5/1/2012	1430h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205087-005A	MW-30_05022012	5/2/2012	1450h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205087-006A	MW-31_05022012	5/2/2012	1255h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205087-007A	MW-32_04302012	4/30/2012	1520h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205087-008A	MW-35_05022012	5/2/2012	1430h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205087-009A	Trip Blank_04302012	4/30/2012		Aqueous	VOA by GC/MS Method 8260C/5030C

Reissue of a previously generated report. The Client Sample ID has been revised. Information herein supersedes that of the previously issued reports.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Denison Mines
Contact:	Jo Ann Tischler
Project:	Semi Annual Ground Water 2012
Lab Set ID:	1205087

Sample Receipt Information:

Date of Receipt:	5/4/2012
Date(s) of Collection:	4/30-5/2/2012
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Tetrahydrofuran

General Set Comments: Tetrahydrofuran was observed above reporting limits on sample 1205087-001A.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, with the following exception: The MS sample on 1205087-001 indicated matrix interference for Tetrahydrofuran.

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: 1205087
Project: Semi Annual 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 050412A	Tetrahydrofuran	µg/L	SW8260C	15.4	20.00	0	77.2	43-146				5/4/2012 752h
LCS VOC 050412A	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	56.5	50.00		113	76-138				5/4/2012 752h
LCS VOC 050412A	Surr: 4-Bromofluorobenzene	%REC	SW8260C	49.4	50.00		98.7	77-121				5/4/2012 752h
LCS VOC 050412A	Surr: Dibromofluoromethane	%REC	SW8260C	50.7	50.00		101	67-128				5/4/2012 752h
LCS VOC 050412A	Surr: Toluene-d8	%REC	SW8260C	49.3	50.00		98.6	81-135				5/4/2012 752h
LCS VOC 050712A	Tetrahydrofuran	µg/L	SW8260C	17.0	20.00	0	85.2	43-146				5/7/2012 728h
LCS VOC 050712A	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	52.4	50.00		105	76-138				5/7/2012 728h
LCS VOC 050712A	Surr: 4-Bromofluorobenzene	%REC	SW8260C	47.2	50.00		94.3	77-121				5/7/2012 728h
LCS VOC 050712A	Surr: Dibromofluoromethane	%REC	SW8260C	50.6	50.00		101	67-128				5/7/2012 728h
LCS VOC 050712A	Surr: Toluene-d8	%REC	SW8260C	48.8	50.00		97.6	81-135				5/7/2012 728h

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Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1205087
Project: Semi Annual 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 050412A	Tetrahydrofuran	µg/L	SW8260C	< 1.00				-				5/4/2012 830h
MB VOC 050412A	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	57.6	50.00		115	76-138				5/4/2012 830h
MB VOC 050412A	Surr: 4-Bromofluorobenzene	%REC	SW8260C	50.6	50.00		101	77-121				5/4/2012 830h
MB VOC 050412A	Surr: Dibromofluoromethane	%REC	SW8260C	51.4	50.00		103	67-128				5/4/2012 830h
MB VOC 050412A	Surr: Toluene-d8	%REC	SW8260C	50.6	50.00		101	81-135				5/4/2012 830h
MB VOC 050712A	Tetrahydrofuran	µg/L	SW8260C	< 1.00				-				5/7/2012 806h
MB VOC 050712A	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	50.4	50.00		101	76-138				5/7/2012 806h
MB VOC 050712A	Surr: 4-Bromofluorobenzene	%REC	SW8260C	50.0	50.00		99.9	77-121				5/7/2012 806h
MB VOC 050712A	Surr: Dibromofluoromethane	%REC	SW8260C	50.4	50.00		101	67-128				5/7/2012 806h
MB VOC 050712A	Surr: Toluene-d8	%REC	SW8260C	49.8	50.00		99.6	81-135				5/7/2012 806h

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Jose Rocha
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QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1205087
Project: Semi Annual 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
1205087-001AMS	Tetrahydrofuran	µg/L	SW8260C	16.7	20.00	10.26	32.4	43-146			[1]	5/4/2012 1151h
1205087-001AMS	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	51.3	50.00		103	72-151				5/4/2012 1151h
1205087-001AMS	Surr: 4-Bromofluorobenzene	%REC	SW8260C	50.5	50.00		101	80-128				5/4/2012 1151h
1205087-001AMS	Surr: Dibromofluoromethane	%REC	SW8260C	51.7	50.00		103	80-124				5/4/2012 1151h
1205087-001AMS	Surr: Toluene-d8	%REC	SW8260C	50.2	50.00		100	77-129				5/4/2012 1151h

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

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Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1205087
Project: Semi Annual Ground Water 2012

Contact: Jo Ann Tischler
Dept: MSVOA
QC Type: MSD

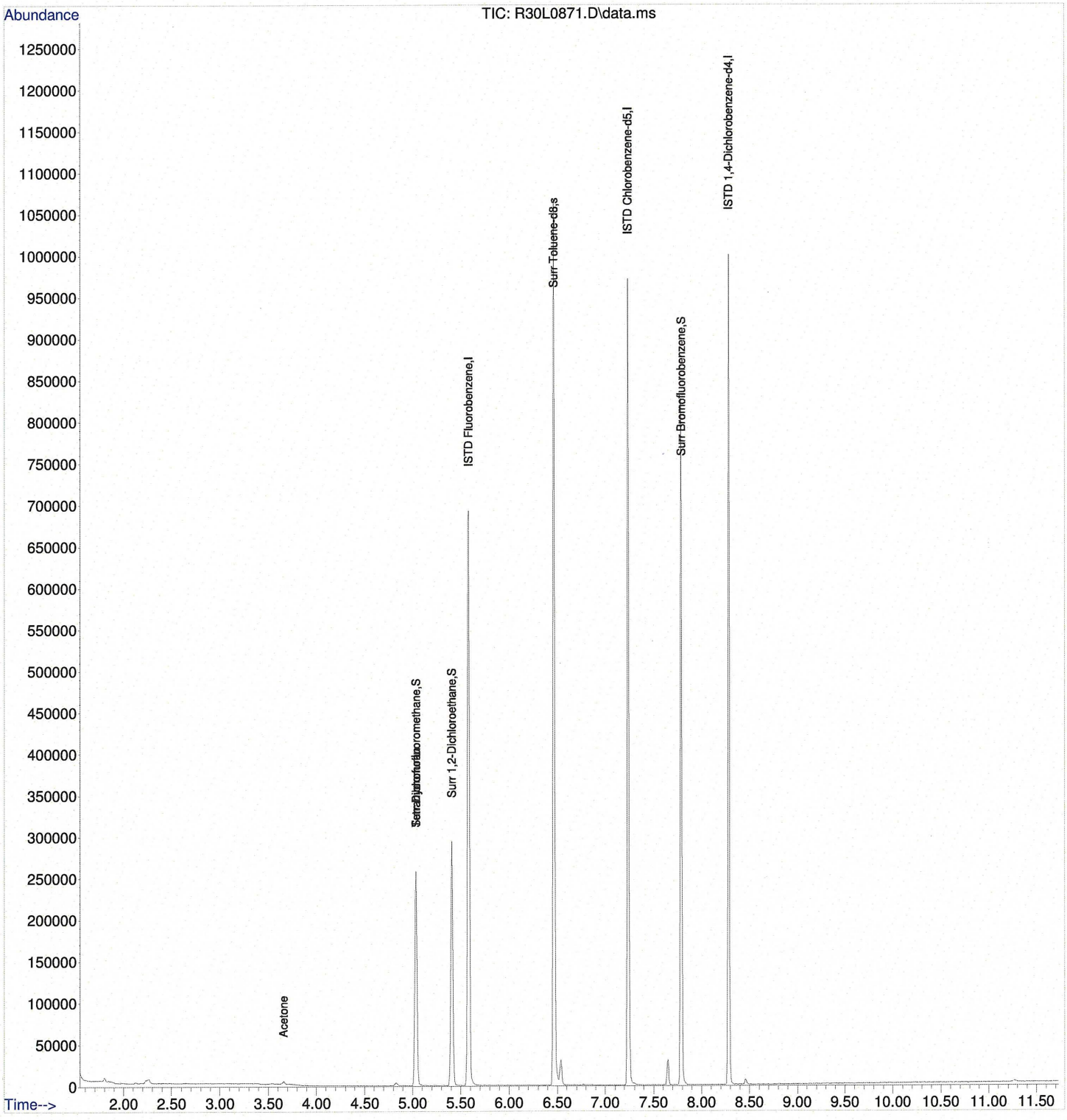
Sample ID	Analyte	Units	Method	Result	Amount Spiked	Original Amount	%REC	Limits	%RPD	RPD Limit	Qual	Date Analyzed
1205087-001AMSD	Tetrahydrofuran	µg/L	SW8260C	19.4	20.00	10.26	45.6	43-146	14.7	25		5/4/2012 1210h
1205087-001AMSD	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	58.6	50.00		117	72-151				5/4/2012 1210h
1205087-001AMSD	Surr: 4-Bromofluorobenzene	%REC	SW8260C	51.3	50.00		103	80-128				5/4/2012 1210h
1205087-001AMSD	Surr: Dibromofluoromethane	%REC	SW8260C	51.7	50.00		103	80-124				5/4/2012 1210h
1205087-001AMSD	Surr: Toluene-d8	%REC	SW8260C	50.2	50.00		100	77-129				5/4/2012 1210h

l analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any mber of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\04MAY12\
Data File : R30L0871.D
Acq On : 4 May 2012 11:13 am
Operator :
Sample : 1205087-001A
Misc : SAMP 5.0ML SB
ALS Vial : 6 Sample Multiplier: 1

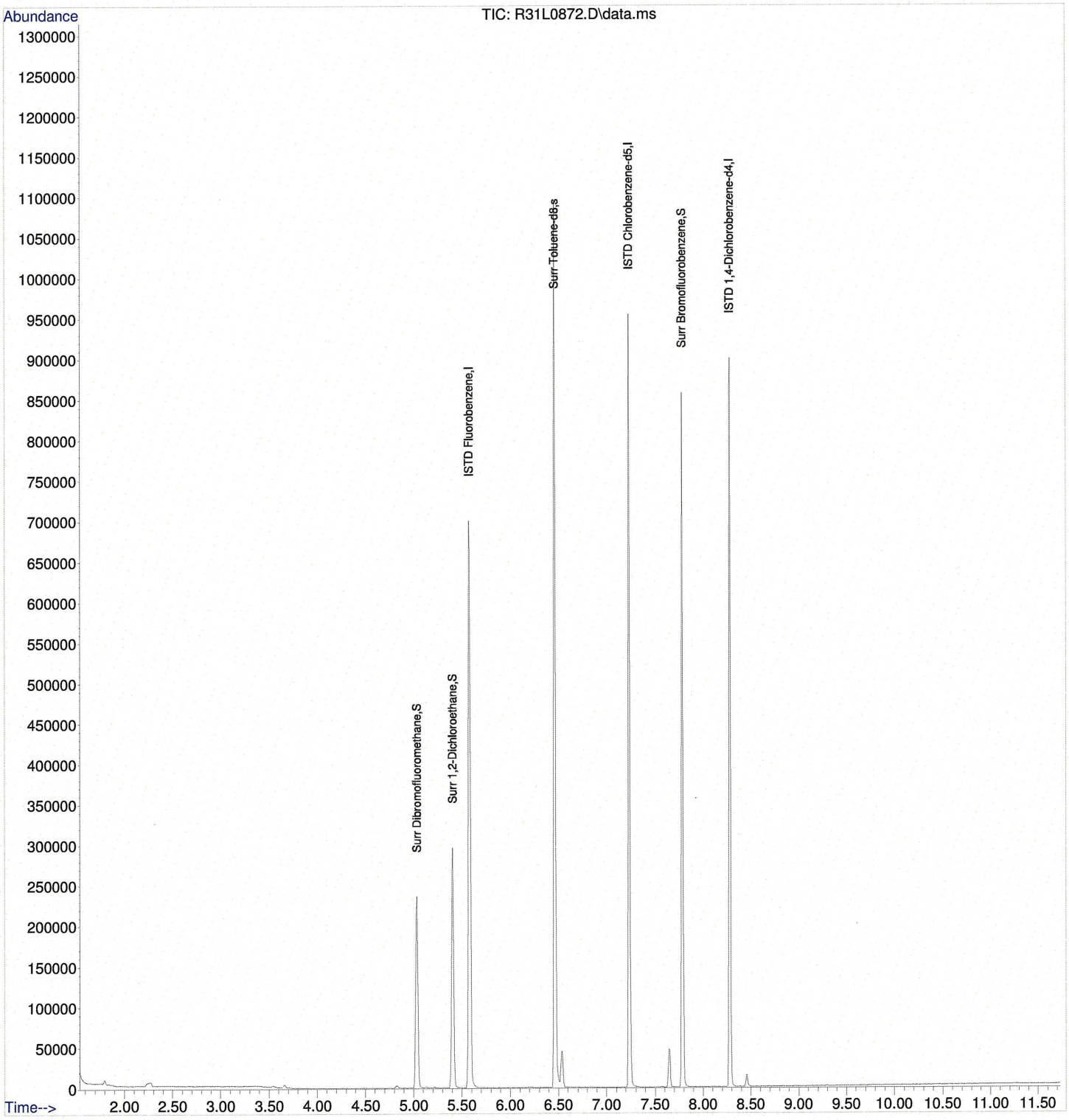
Quant Time: May 04 13:32:20 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\04MAY12\
Data File : R31L0872.D
Acq On : 4 May 2012 11:32 am
Operator :
Sample : 1205087-002A
Misc : SAMP 5.0ML SB
ALS Vial : 7 Sample Multiplier: 1

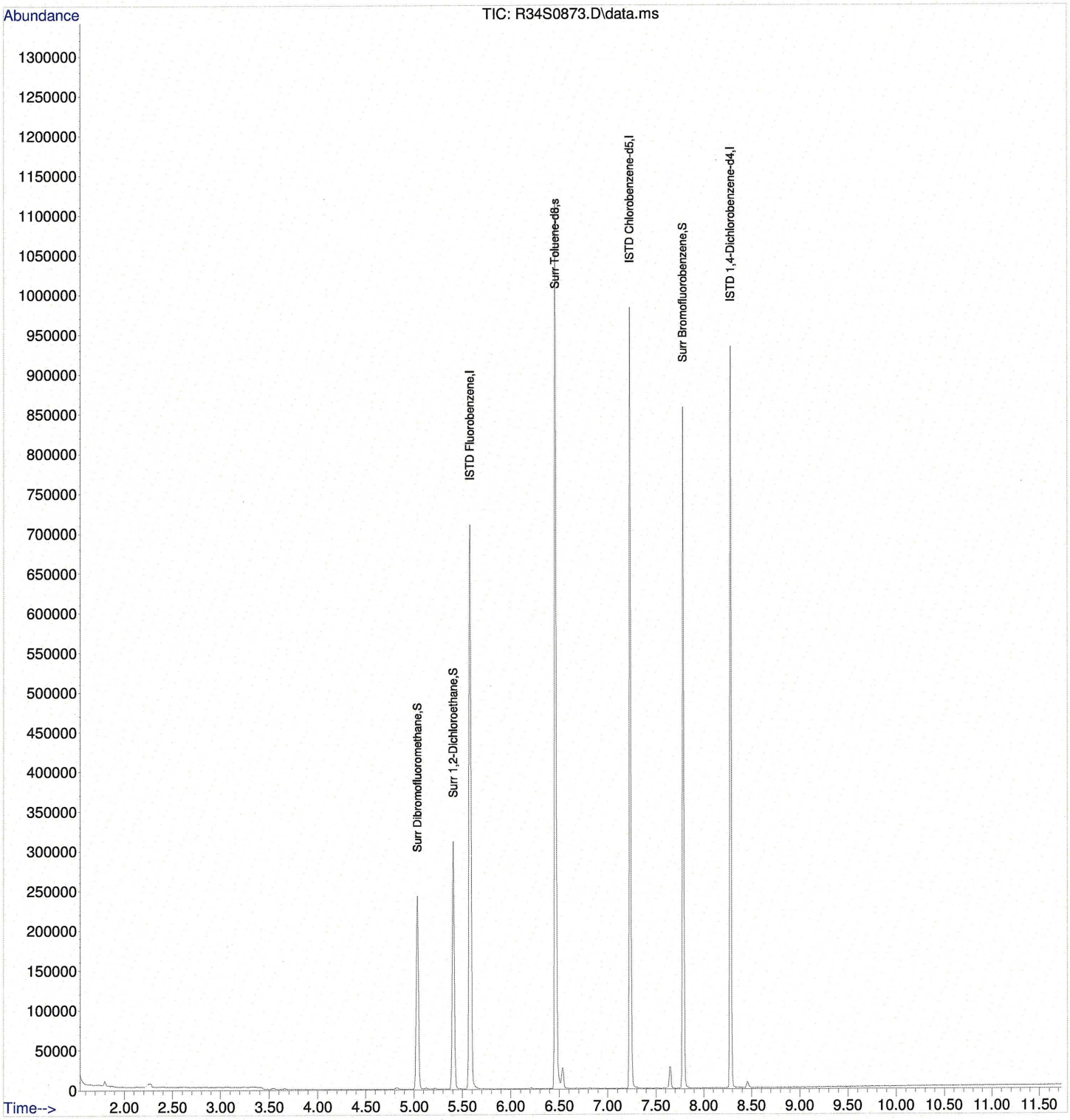
Quant Time: May 04 13:33:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\04MAY12\
Data File : R34S0873.D
Acq On : 4 May 2012 12:29 pm
Operator :
Sample : 1205087-003A
Misc : SAMP 5.0ML SB
ALS Vial : 10 Sample Multiplier: 1

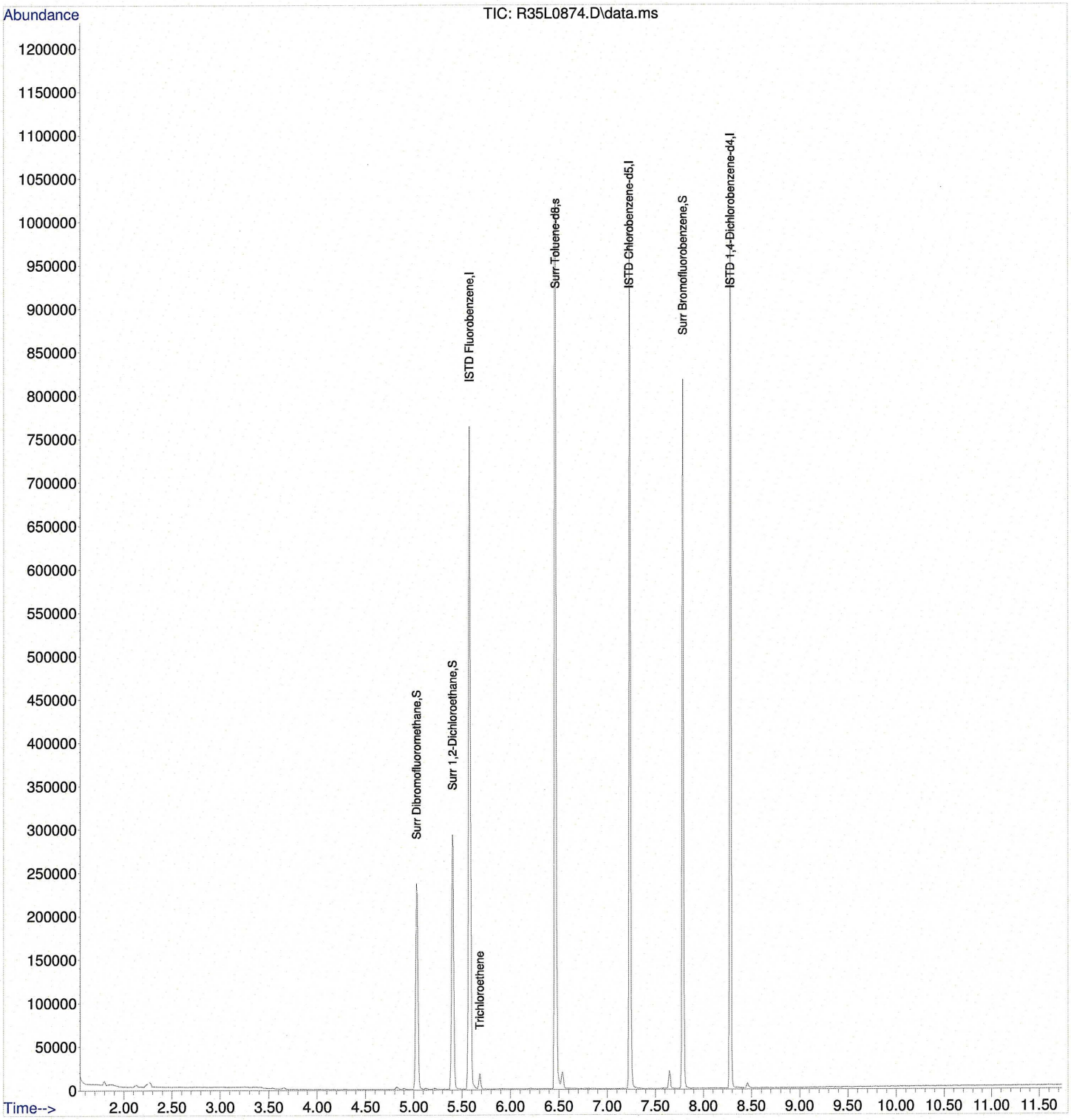
Quant Time: May 04 13:47:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\04MAY12\
Data File : R35L0874.D
Acq On : 4 May 2012 12:48 pm
Operator :
Sample : 1205087-004A
Misc : SAMP 5.0ML SB
ALS Vial : 11 Sample Multiplier: 1

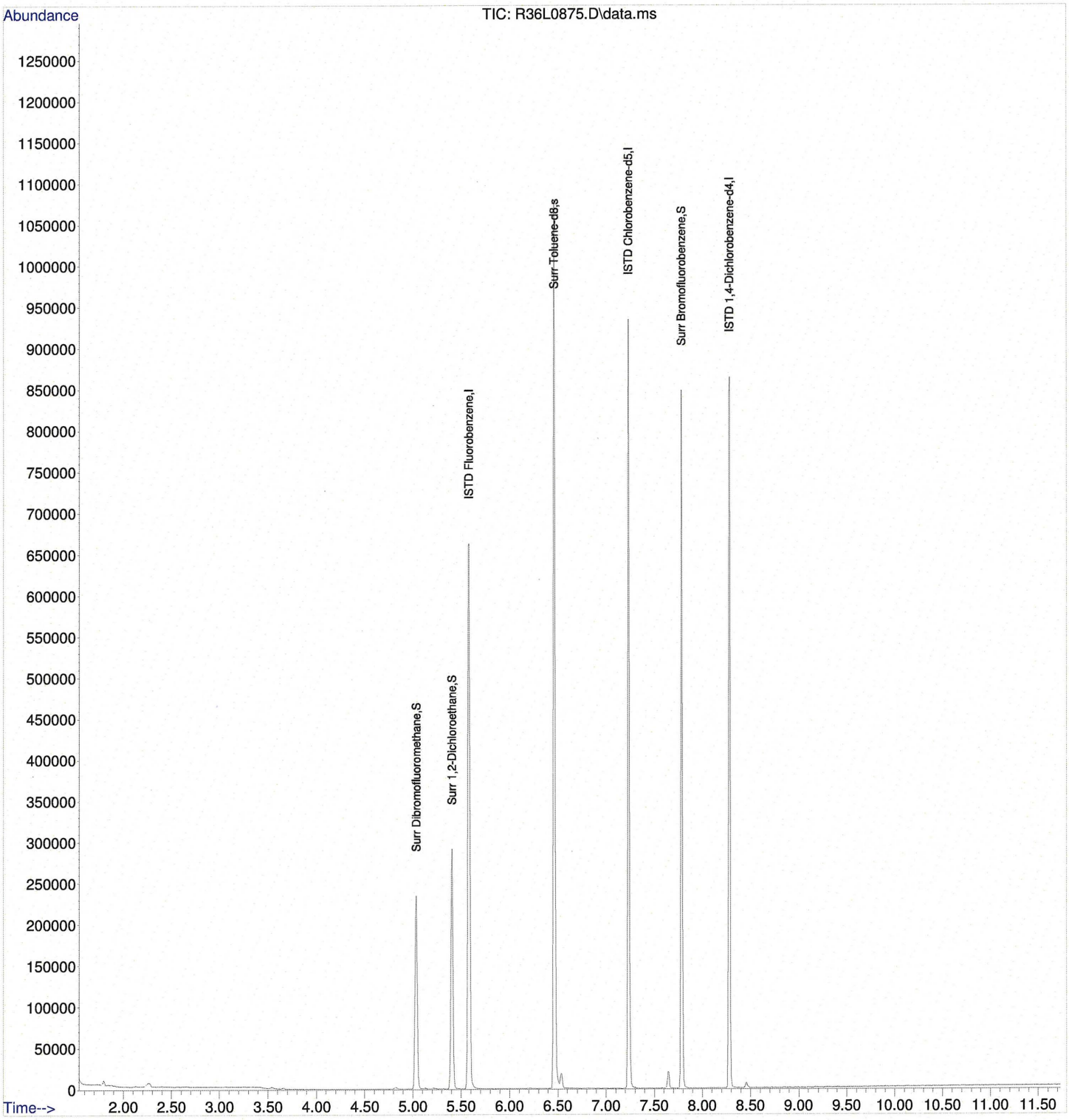
Quant Time: May 04 13:48:25 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\04MAY12\
Data File : R36L0875.D
Acq On : 4 May 2012 1:07 pm
Operator :
Sample : 1205087-005A
Misc : SAMP 5.0ML SB
ALS Vial : 12 Sample Multiplier: 1

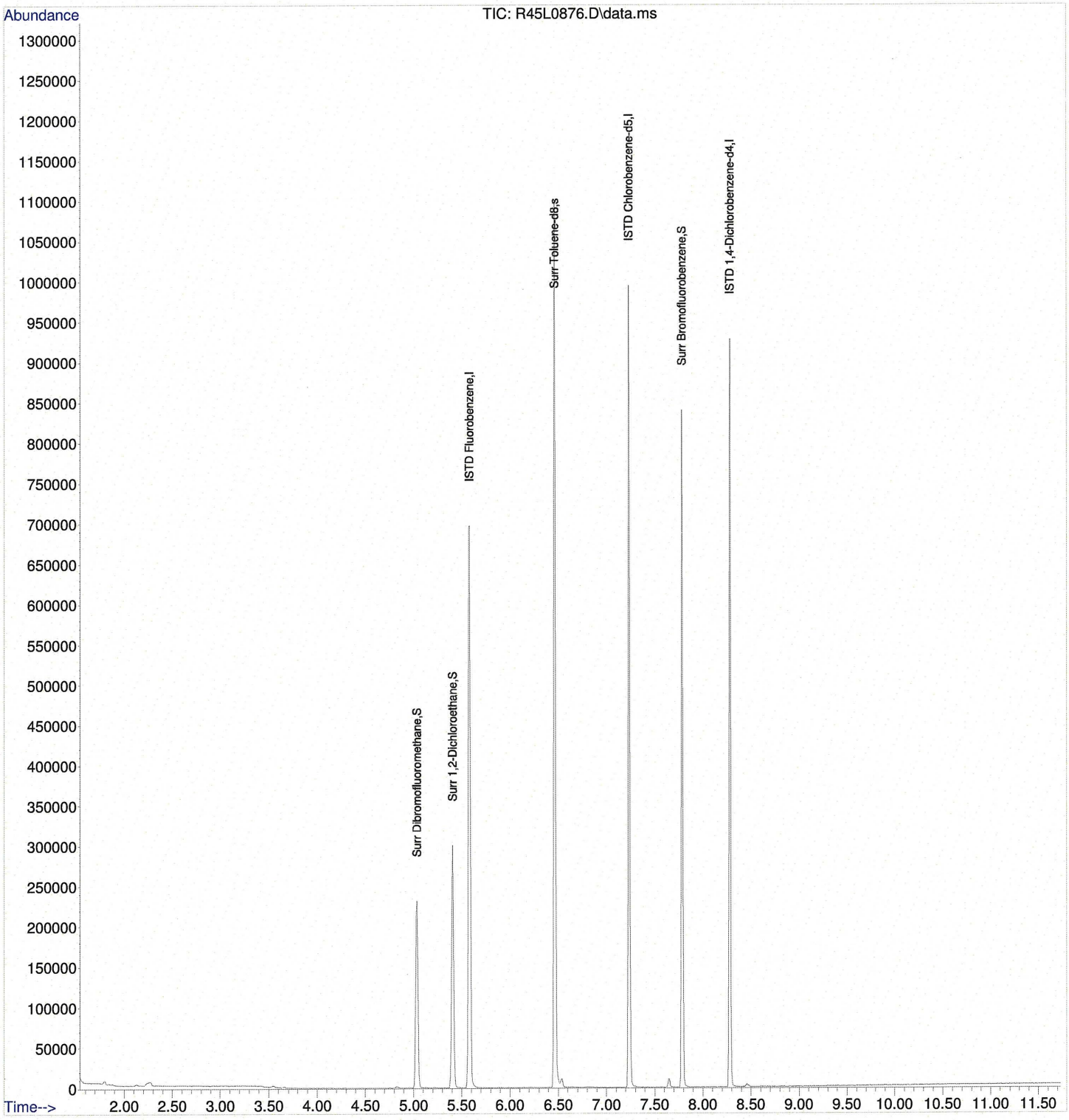
Quant Time: May 04 13:49:01 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\07MAY12\
Data File : R45L0876.D
Acq On : 7 May 2012 8:25 am
Operator :
Sample : 1205087-006A
Misc : SAMP 5.0ML SB
ALS Vial : 6 Sample Multiplier: 1

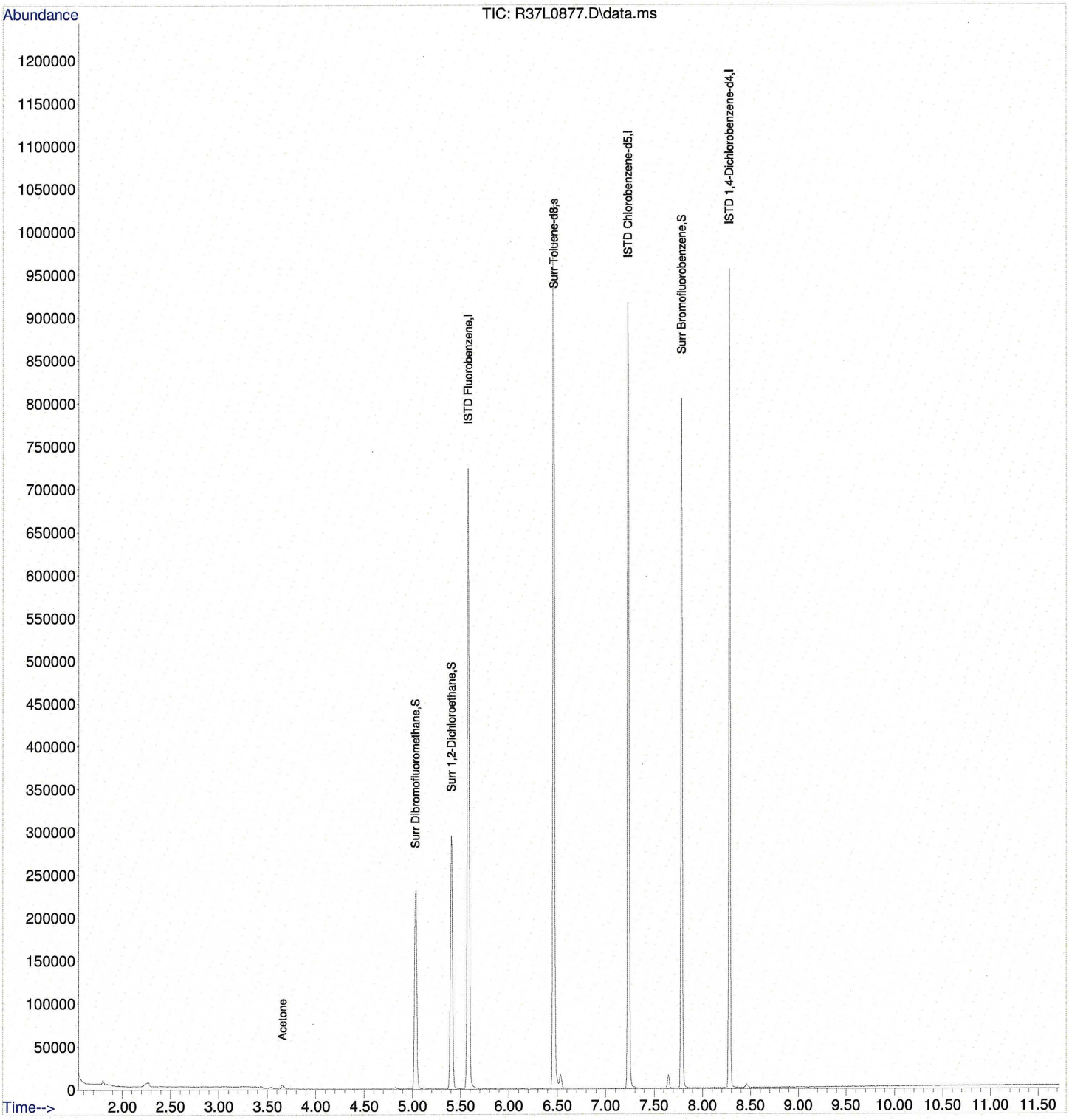
Quant Time: May 07 08:51:57 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\04MAY12\
Data File : R37L0877.D
Acq On : 4 May 2012 1:26 pm
Operator :
Sample : 1205087-007A
Misc : SAMP 5.0ML SB
ALS Vial : 13 Sample Multiplier: 1

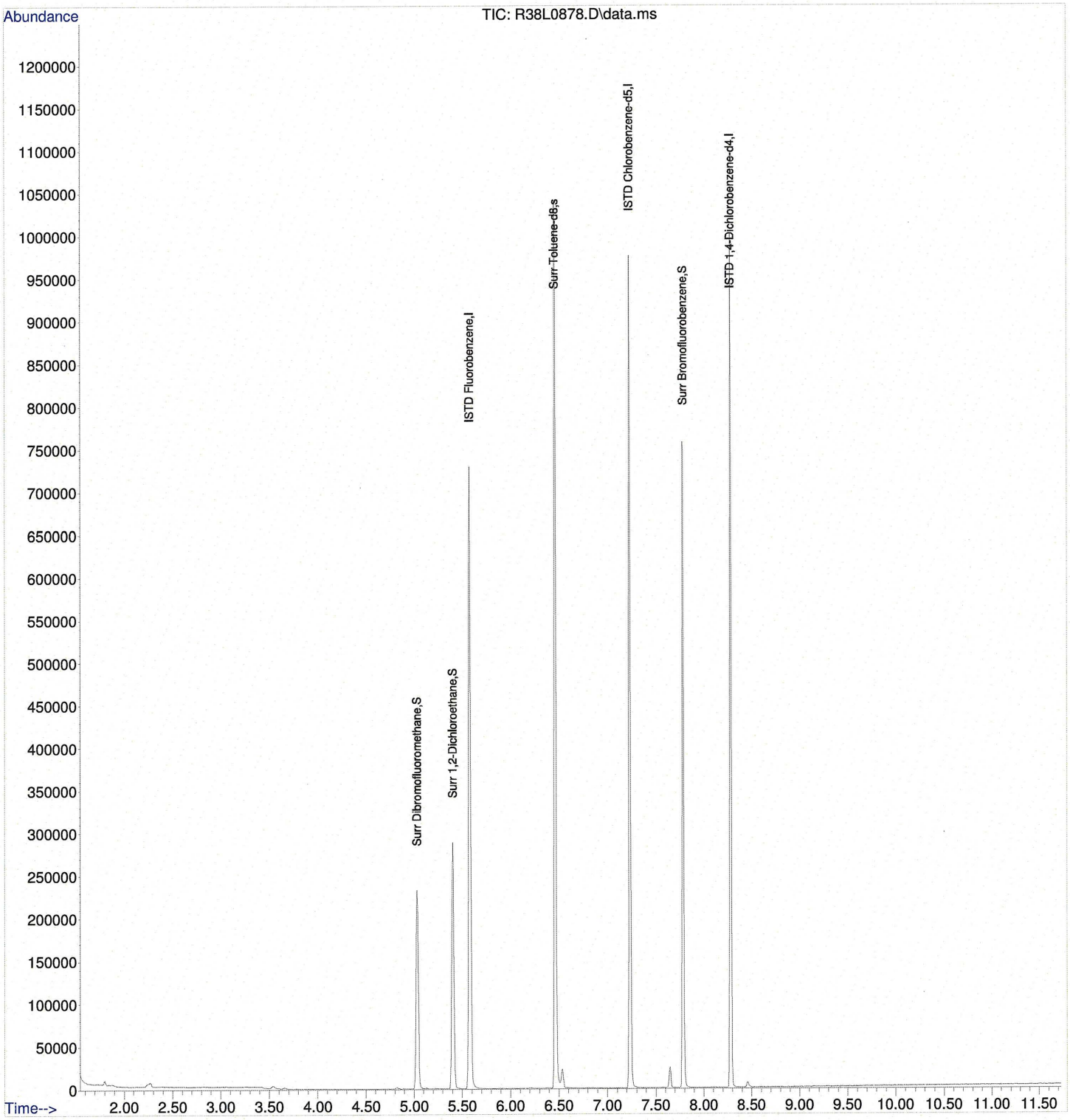
Quant Time: May 04 13:49:47 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\04MAY12\
Data File : R38L0878.D
Acq On : 4 May 2012 1:45 pm
Operator :
Sample : 1205087-008A
Misc : SAMP 5.0ML SB
ALS Vial : 14 Sample Multiplier: 1

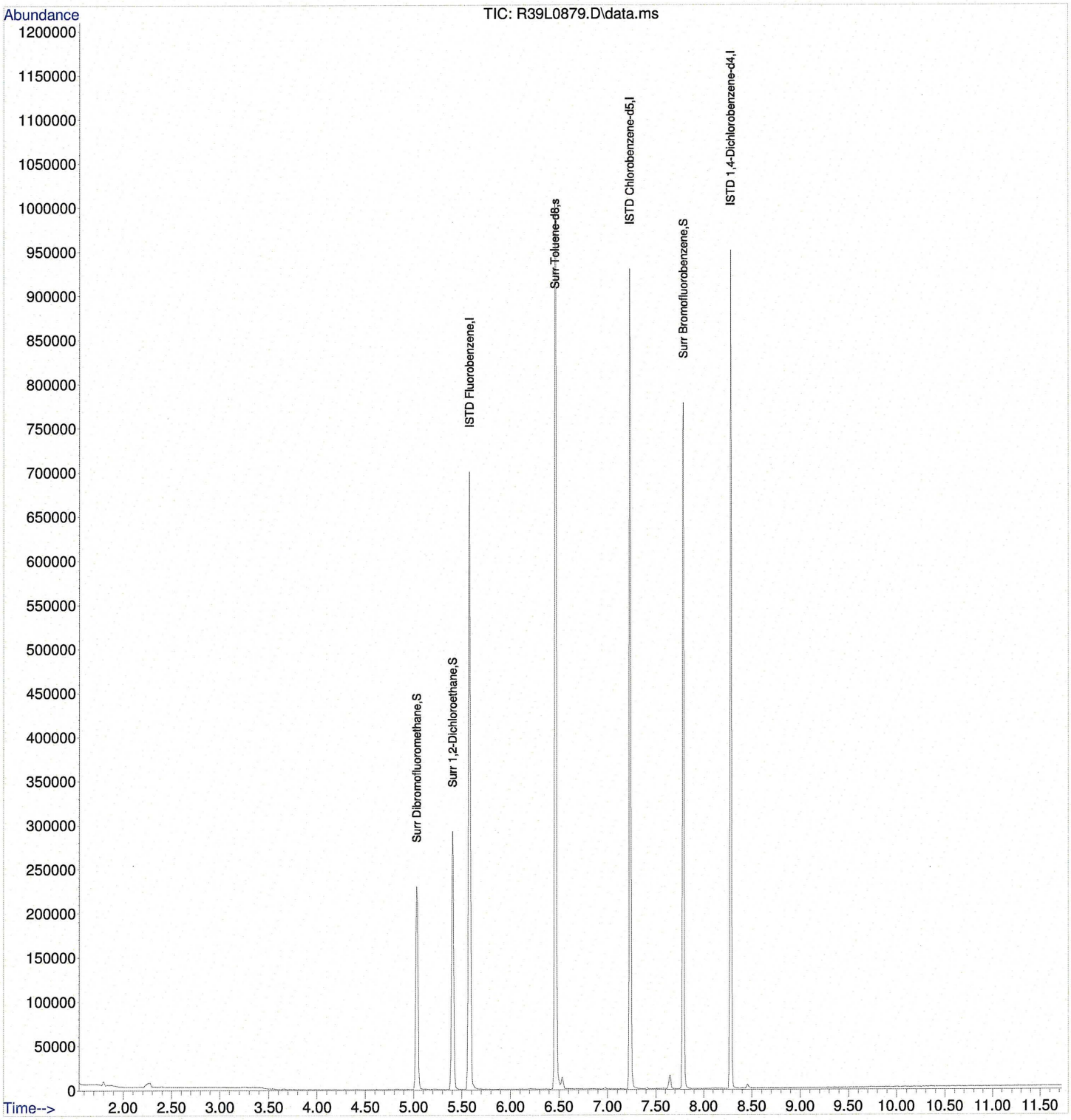
Quant Time: May 07 08:14:41 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\04MAY12\
Data File : R39L0879.D
Acq On : 4 May 2012 2:04 pm
Operator :
Sample : 1205087-009A
Misc : SAMP 5.0ML SB
ALS Vial : 15 Sample Multiplier: 1

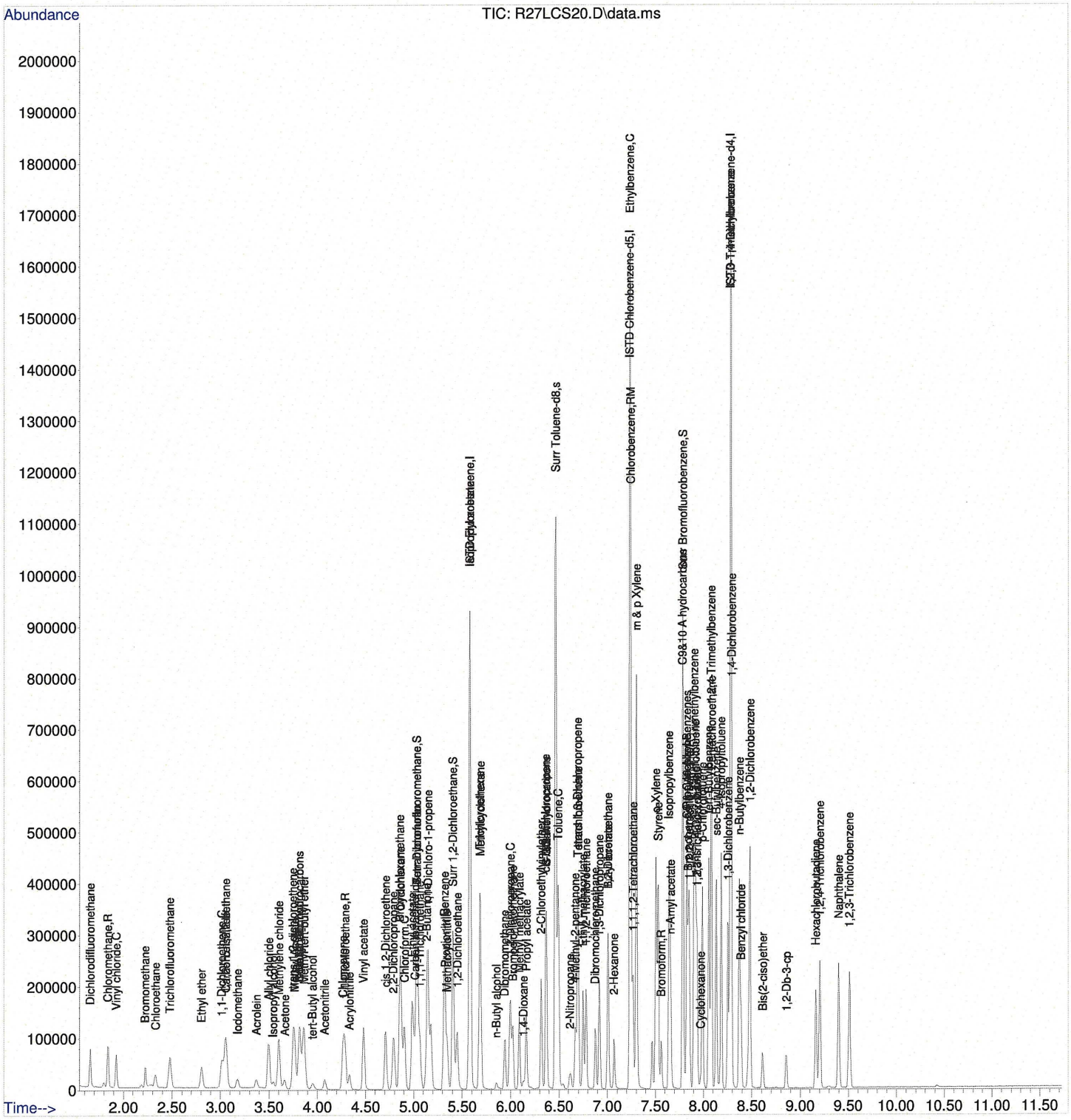
Quant Time: May 07 08:15:58 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\04MAY12\
Data File : R27LCS20.D
Acq On : 4 May 2012 7:52 am
Operator :
Sample : LCS VOC 050412A
Misc : LCS SEE COVERSHEET FOR ID AND AMOUNTS SB
ALS Vial : 3 Sample Multiplier: 1

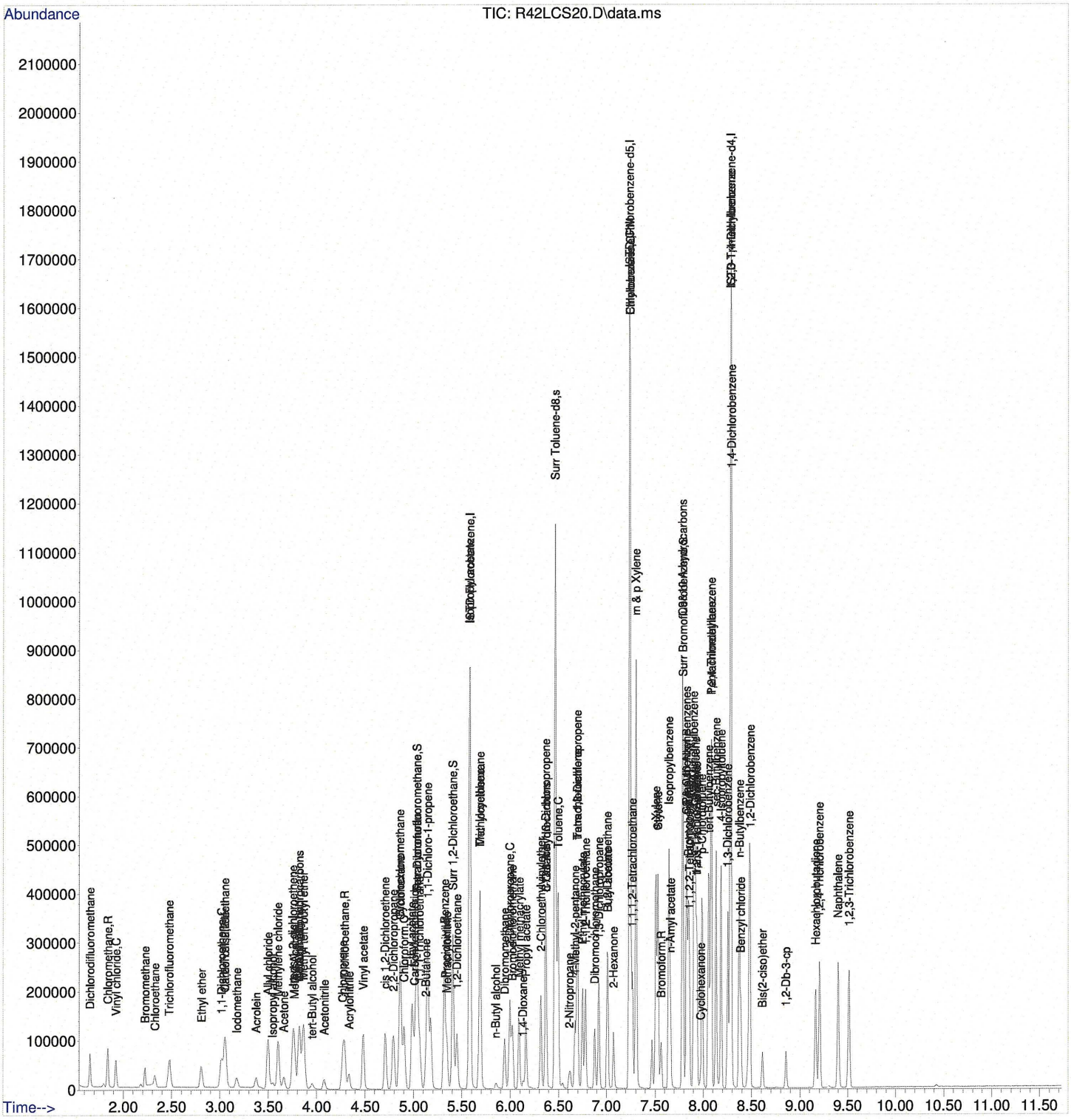
Quant Time: May 04 08:08:46 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\07MAY12\
Data File : R42LCS20.D
Acq On : 7 May 2012 7:28 am
Operator :
Sample : LCS VOC 050712A
Misc : LCS SEE COVERSHEET FOR ID AND AMOUNTS SB
ALS Vial : 3 Sample Multiplier: 1

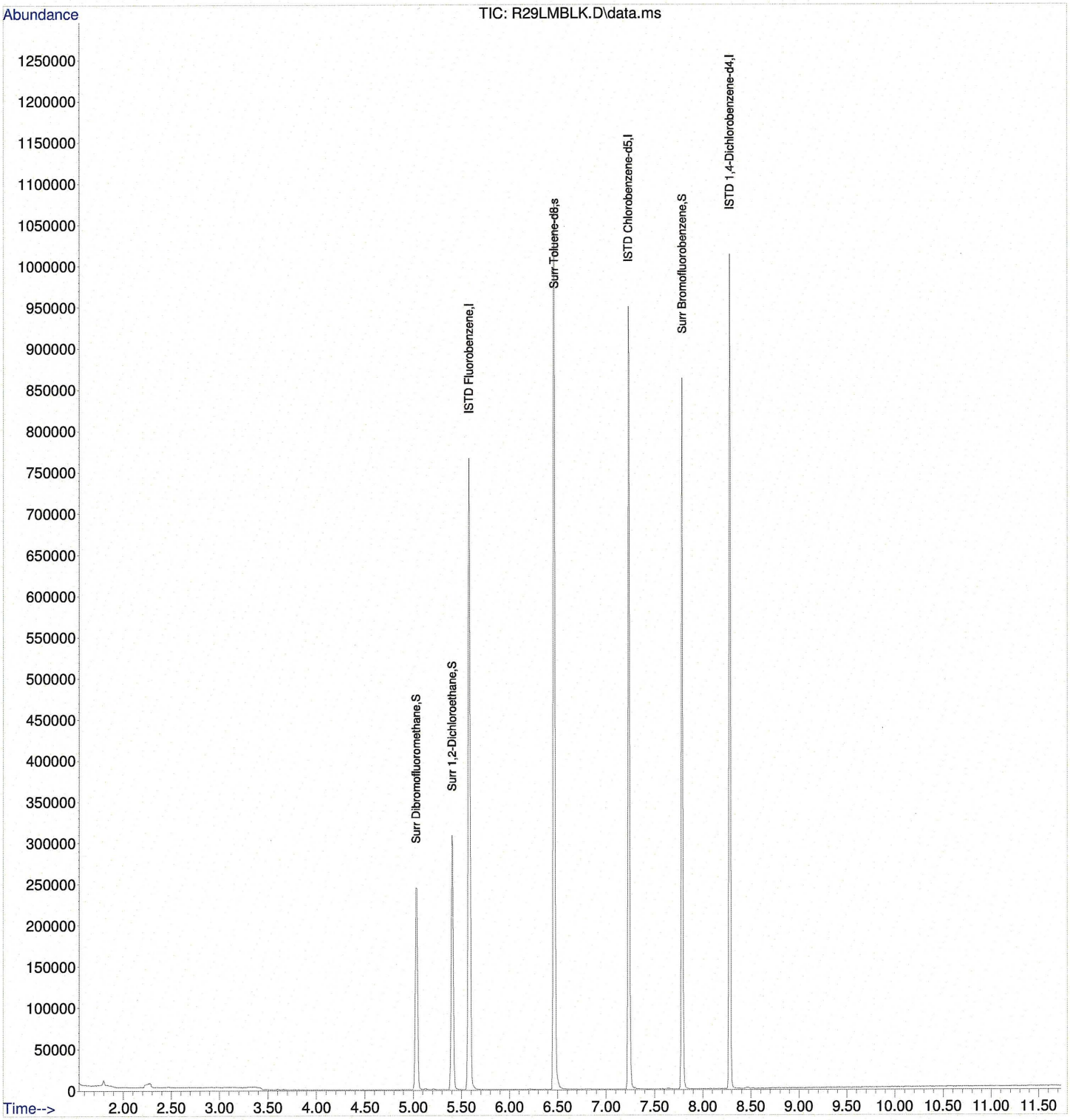
Quant Time: May 07 07:45:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\04MAY12\
Data File : R29LMBLK.D
Acq On : 4 May 2012 8:30 am
Operator :
Sample : MB VOC 050412A
Misc : MBLK 5.0ML SB
ALS Vial : 5 Sample Multiplier: 1

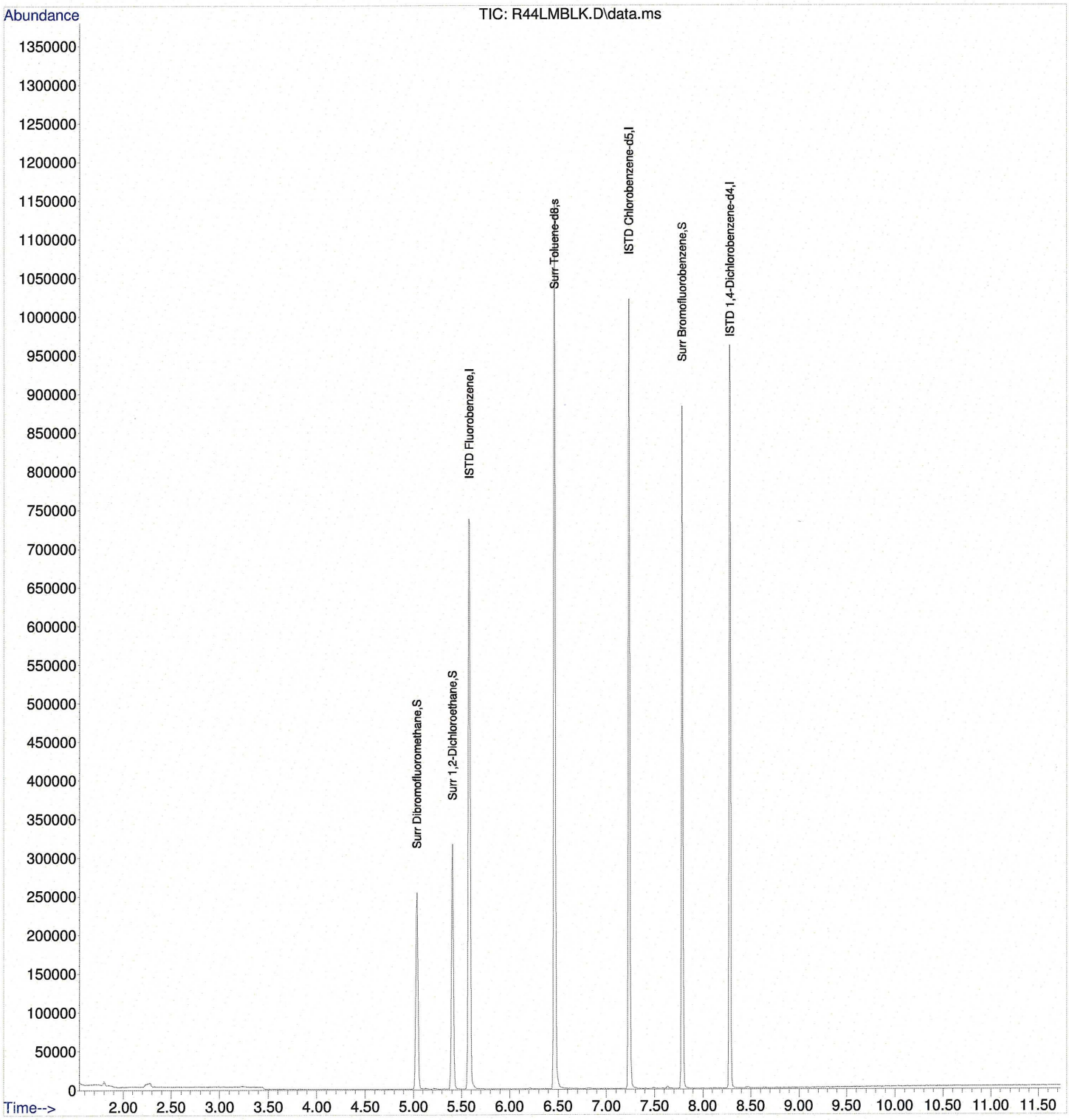
Quant Time: May 04 08:43:43 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\07MAY12\
Data File : R44LMBLK.D
Acq On : 7 May 2012 8:06 am
Operator :
Sample : MB VOC 050712A
Misc : MBLK 5.0ML SB
ALS Vial : 5 Sample Multiplier: 1

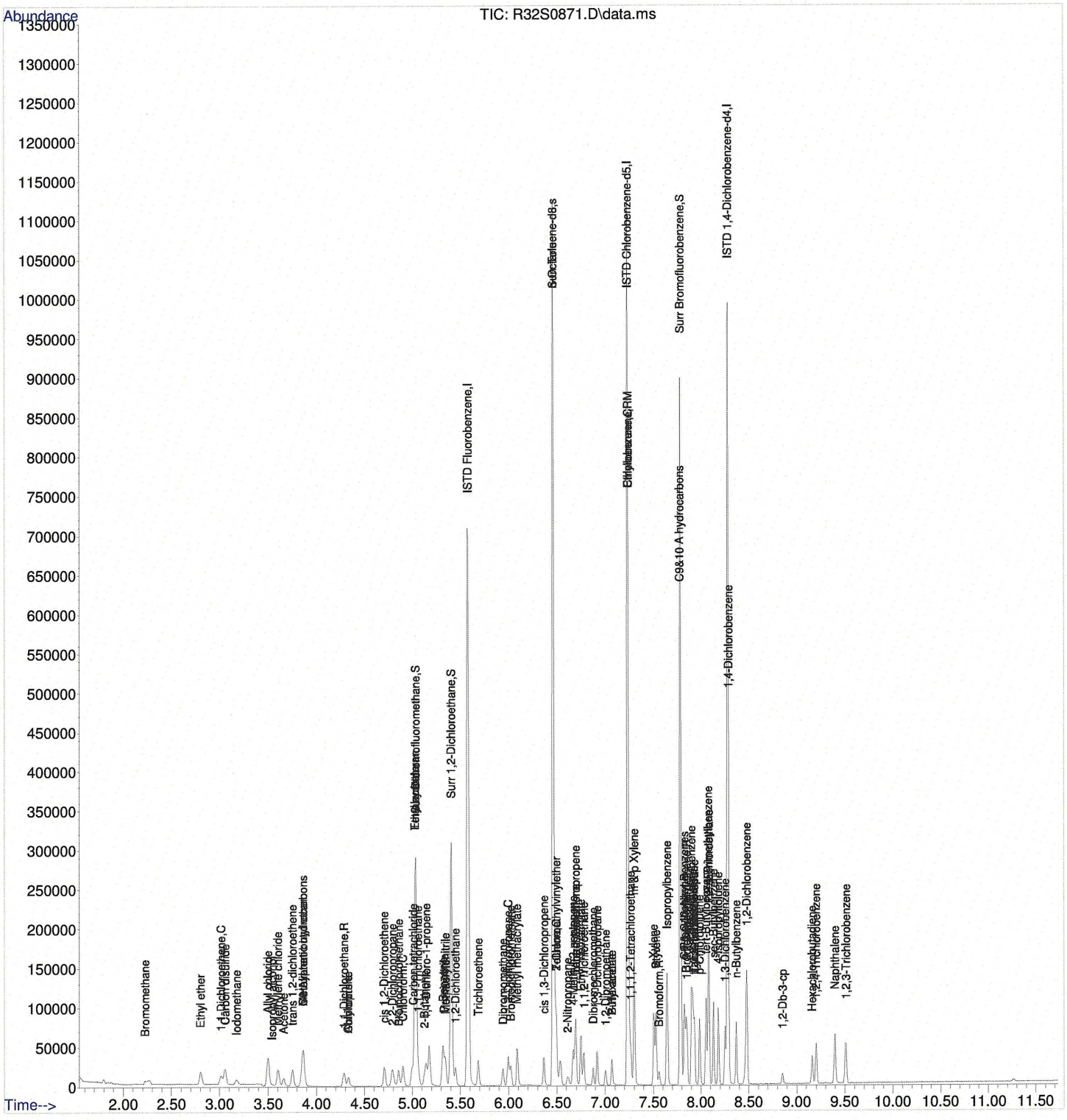
Quant Time: May 07 08:18:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\04MAY12\
Data File : R32S0871.D
Acq On : 4 May 2012 11:51 am
Operator :
Sample : 1205087-001AMS
Misc : SAMP 5.0ML 2 OF 3 SB
ALS Vial : 8 Sample Multiplier: 1

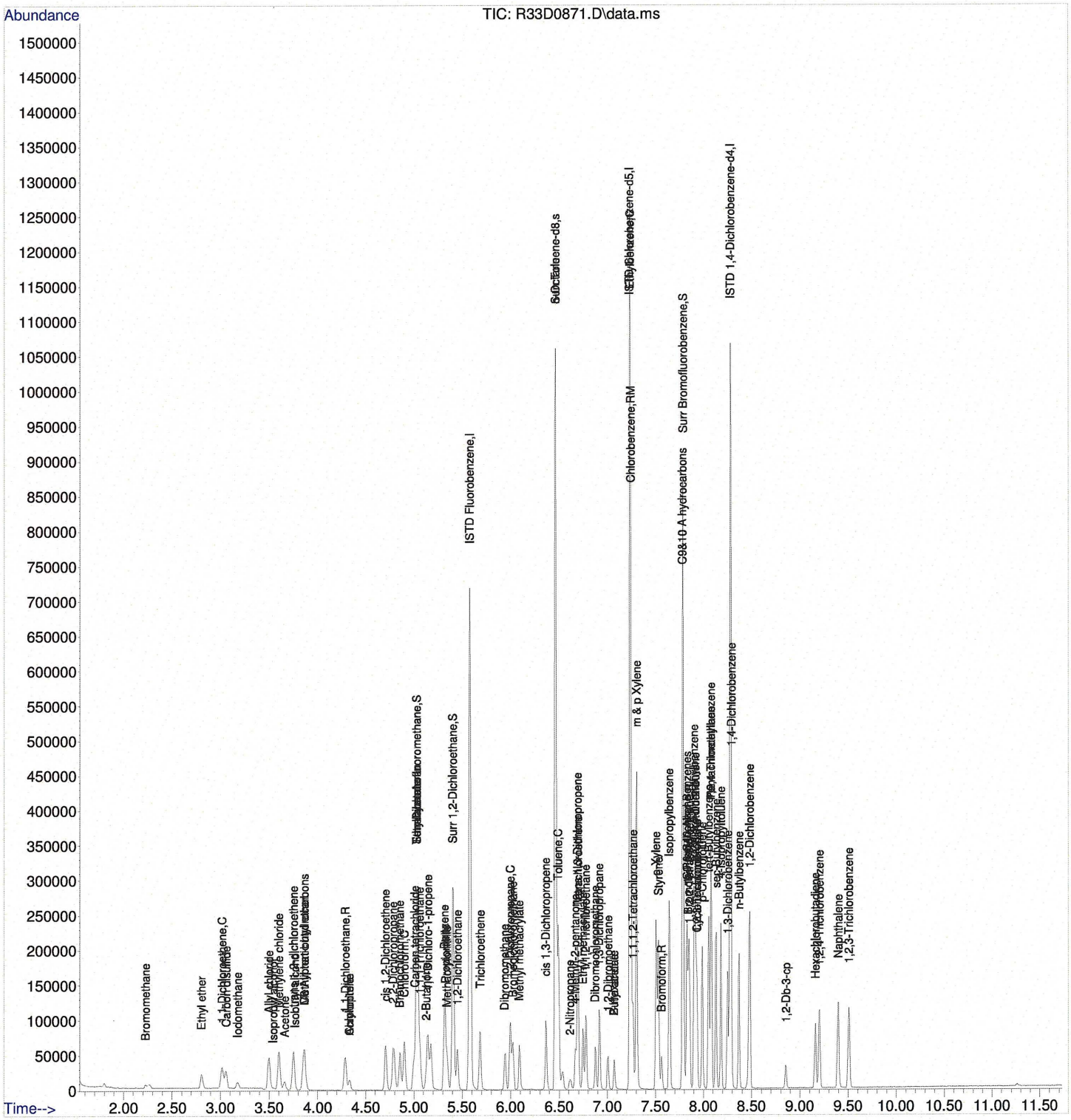
Quant Time: May 04 13:43:20 2012
Quant Method : C:\msdchem\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\04MAY12\
Data File : R33D0871.D
Acq On : 4 May 2012 12:10 pm
Operator :
Sample : 1205087-001AMSD
Misc : SAMP 5.0ML 3 OF 3 SB
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 04 12:22:21 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



REVISED
5/16/12
Client Sample IDs corrected. MC

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1205087**
Page 1 of 1 5/15/2012

Client: Denison Mines
Client ID: DEN100 **Contact:** Jo Ann Tischler
Project: Semi Annual 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.;

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1205087-001A	MW-01_05012012	5/1/2012 0945h	5/4/2012 0930h	5/15/2012	Aqueous	8260-W	☑	VOCFridge	3
1205087-002A	MW-18_04302012	4/30/2012 1455h				8260-W	☑	VOCFridge	
1205087-003A	MW-25_05022012	5/2/2012 1050h				8260-W	☑	VOCFridge	
1205087-004A	MW-27_05012012	5/1/2012 1430h				8260-W	☑	VOCFridge	
1205087-005A	MW-30_05022012	5/2/2012 1450h				8260-W	☑	VOCFridge	
1205087-006A	MW-31_05022012	5/2/2012 1255h				8260-W	☑	VOCFridge	
1205087-007A	MW-32_04302012	4/30/2012 1520h				8260-W	☑	VOCFridge	
1205087-008A	MW-35_05022012	5/2/2012 1430h				8260-W	☑	VOCFridge	
1205087-009A	Trip Blank_04302012	4/30/2012				8260-W	☑	VOCFridge	

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: 1205087
Page 1 of 1 5/8/2012

Client: Denison Mines
Client ID: DEN100 **Contact:** Jo Ann Tischler
Project: Semi Annual 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.;

DO

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1205087-001A	MW-01 - 05022012	5/1/2012 0945h	5/4/2012 0930h	5/15/2012	Aqueous	8260-W	☑	VOCFridge	3
1205087-002A	MW-18 - 04302012	4/30/2012 1455h				8260-W	☑	VOCFridge	
1205087-003A	MW-25 - 05022012	5/2/2012 1050h				8260-W	☑	VOCFridge	
1205087-004A	MW-27 - 05012012	5/1/2012 1430h				8260-W	☑	VOCFridge	
1205087-005A	MW-30 - 05022012	5/2/2012 1450h				8260-W	☑	VOCFridge	
1205087-006A	MW-31 - 05022012	5/2/2012 1255h				8260-W	☑	VOCFridge	
1205087-007A	MW-32 - 04302012	4/30/2012 1520h				8260-W	☑	VOCFridge	
1205087-008A	MW-35 - 05022012	5/2/2012 1430h				8260-W	☑	VOCFridge	
1205087-009A	Trip Blank	4/30/2012				8260-W	☑	VOCFridge	

1205087

DENISON MINES

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: American West Analytical Lab
463 West 3600 South
Salt Lake City, Ut 84115

Contact: Garrin Palmer or David Turk
Ph: 435 678 2221
gpalmer@denisonmines.com
dturk@denisonmines.com
tholliday@denisonmines.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
Semiannual Ground Water 2012	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
~~MW-01_05022012~~ *	5/1/2012	945	THF
MW-18_04302012	4/30/2012	1455	THF
MW-25_05022012	5/2/2012	1050	THF
MW-27_05012012	5/1/2012	1430	THF
MW-30_05022012	5/2/2012	1450	THF
MW-31_05022012	5/2/2012	1255	THF
MW-32_04302012	4/30/2012	1520	THF
MW-35_05022012	5/2/2012	1430	THF
~~Trip Blank~~ ^	4/30/2012		THF

Please notify Garrin Palmer or Tanner Holliday of Reciept tempature on these samples Immediately! Thank you.

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	5/3/2012 1100		
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
		Denise Brown	5/4/12 9:30

* Sample ID is MW-01_05012012 per email from K. Weinel 5/15/2012. MC 5/15/2012.

^ Sample ID is Trip Blank_04302012 per email from K. Weinel 5/16/2012. MC 5/16/2012

3.6

Lab Set ID: 1205087

DB 5/4/12

Samples Were:	COC Tape Was:	Container Type:	No. Rec.
☑ Shipped By: UPS	**Present on Outer Package** ☑ Yes ☐ No ☐ N/A	☐ AWAL Supplied Plastic	
☐ Hand Delivered		☐ AWAL Supplied Clear Glass	
☐ Ambient	**Unbroken on Outer package** ☑ Yes ☐ No ☐ N/A	☐ AWAL Supplied Amber Glass	
☑ Chilled		☐ AWAL Supplied VOA/TOC/TOX Vials	
Temperature 3.8 °C	**Present on Sample** ☐ Yes ☑ No ☐ N/A	☐ Amber ☐ Clear ☐ Headspace ☐ No Headspace	
Rec. Broken/Leaking ☐ Yes ☑ No ☐ N/A		☐ Non AWAL Supplied Container	
Notes:	**Unbroken on Sample** ☐ Yes ☐ No ☑ N/A	**Notes:**	
Properly Preserved ☑ Yes ☐ No ☐ N/A	**Notes:**		
Notes:			
Rec. Within Hold ☑ Yes ☐ No		**Discrepancies Between Labels and COC** ☐ Yes ☑ No	
Notes:		**Notes:**	

DB 5/4/12

Bottle Type	Preservative	All pHs OK															
Ammonia	pH <2 H_2SO_4																
COD	pH <2 H_2SO_4																
Cyanide	PH >12 NaOH																
Metals	pH <2 HNO_3																
NO_2 & NO_3	pH <2 H_2SO_4																
Nutrients	pH <2 H_2SO_4																
O & G	pH <2 HCL																
Phenols	pH <2 H_2SO_4																
Sulfide	pH > 9NaOH, ZnAC																
TKN	pH <2 H_2SO_4																
TOC	pH <2 H_3PO_4																
T PO_4	pH <2 H_2SO_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

American West
ANALYTICAL LABORATORIES

Jo Ann Tischler
Denison Mines
1050 17th Street, # 950
Denver, CO 80265
TEL: (303) 389-4132

RE: Semi Annual Ground Water 2012

Dear Jo Ann Tischler: Lab Set ID: 1205130

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

American West Analytical Laboratories received 5 sample(s) on 5/8/2012 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is accredited by The NELAC Institute in Utah and Texas; and is state accredited in Colorado, Idaho, and Missouri. Accreditation documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

This is a revision to a report originally issued 5/14/2012. Pages 1, 2, and 5 have been revised.

Thank You,

Approved by: Patrick Noteboom

Digitally signed by Patrick Noteboom
DN: cn=Patrick Noteboom, o=American West Analytical Laboratories, ou=Senior Chemist, email=pat@awal-labs.com, c=US
Date: 2012.07.20 17:23:19 -06'00'

Laboratory Director or designee

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

SAMPLE SUMMARY

Client: Denison Mines
Project: Semi Annual Ground Water 2012
Lab Set ID: 1205130
Date Received: 5/8/2012 1000h

Contact: Jo Ann Tischler

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis	
1205130-001A	MW-17 _ 05042012	5/4/2012	1025h	Aqueous	VOA by GC/MS Method 8260C/5030C	
1205130-002A	MW-22 _ 05032012	5/3/2012	1225h	Aqueous	VOA by GC/MS Method 8260C/5030C	^
1205130-003A	MW-26 _ 05072012	5/7/2012	0945h	Aqueous	VOA by GC/MS Method 8260C/5030C	
1205130-004A	MW-65 _ 05072012	5/7/2012	0945h	Aqueous	VOA by GC/MS Method 8260C/5030C	
1205130-005A	Trip Blank	5/4/2012		Aqueous	VOA by GC/MS Method 8260C/5030C	

^ - *Reissue of a previously generated report. The Client Sample ID and Collection date have been revised. Information herein supersedes that of the previously issued reports.*

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Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

Volatile Case Narrative

Client:	Denison Mines
Contact:	Jo Ann Tischler
Project:	Semi Annual Ground Water 2012
Lab Set ID:	1205130

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:	5/8/2012
Date(s) of Collection:	5/4 & 5/7/2012
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, with the following exceptions: The MSD sample and the RPD were outside of their control ranges due to sample matrix interference for Tetrahydrofuran on 1205130-002A.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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

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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: 1205130
Project: Semi Annual 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 050812A	Tetrahydrofuran	µg/L	SW8260C	17.5	20.00	0	87.5	43-146				5/8/2012 721h
LCS VOC 050812A	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	59.4	50.00		119	76-138				5/8/2012 721h
LCS VOC 050812A	Surr: 4-Bromofluorobenzene	%REC	SW8260C	48.0	50.00		96.0	77-121				5/8/2012 721h
LCS VOC 050812A	Surr: Dibromofluoromethane	%REC	SW8260C	51.3	50.00		103	67-128				5/8/2012 721h
LCS VOC 050812A	Surr: Toluene-d8	%REC	SW8260C	49.5	50.00		99.0	81-135				5/8/2012 721h

analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility

463 West 3600 South
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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: 1205130
Project: Semi Annual 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 050812A	Tetrahydrofuran	µg/L	SW8260C	< 1.00				-				5/8/2012 759h
MB VOC 050812A	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	59.1	50.00		118	76-138				5/8/2012 759h
MB VOC 050812A	Surr: 4-Bromofluorobenzene	%REC	SW8260C	51.0	50.00		102	77-121				5/8/2012 759h
MB VOC 050812A	Surr: Dibromofluoromethane	%REC	SW8260C	51.2	50.00		102	67-128				5/8/2012 759h
MB VOC 050812A	Surr: Toluene-d8	%REC	SW8260C	50.9	50.00		102	81-135				5/8/2012 759h

l analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any mber of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1205130
Project: Semi Annual 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
1205130-002AMS	Tetrahydrofuran	µg/L	SW8260C	12.3	20.00	0	61.7	43-146				5/8/2012 1324h
1205130-002AMS	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	62.0	50.00		124	72-151				5/8/2012 1324h
1205130-002AMS	Surr: 4-Bromofluorobenzene	%REC	SW8260C	49.9	50.00		99.9	80-128				5/8/2012 1324h
1205130-002AMS	Surr: Dibromofluoromethane	%REC	SW8260C	52.7	50.00		105	80-124				5/8/2012 1324h
1205130-002AMS	Surr: Toluene-d8	%REC	SW8260C	51.0	50.00		102	77-129				5/8/2012 1324h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1205130
Project: Semi Annual 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
1205130-002AMSD	Tetrahydrofuran	µg/L	SW8260C	7.66	20.00	0	38.3	43-146	46.8	25	[1]@	5/8/2012 1431h
1205130-002AMSD	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	54.8	50.00		110	72-151				5/8/2012 1431h
1205130-002AMSD	Surr: 4-Bromofluorobenzene	%REC	SW8260C	50.3	50.00		101	80-128				5/8/2012 1431h
1205130-002AMSD	Surr: Dibromofluoromethane	%REC	SW8260C	52.8	50.00		106	80-124				5/8/2012 1431h
1205130-002AMSD	Surr: Toluene-d8	%REC	SW8260C	51.4	50.00		103	77-129				5/8/2012 1431h

@ - High RPD due to suspected sample non-homogeneity or matrix interference.
[1] - Matrix spike recovery indicates matrix interference. The method is in control as indicated by the LCS.

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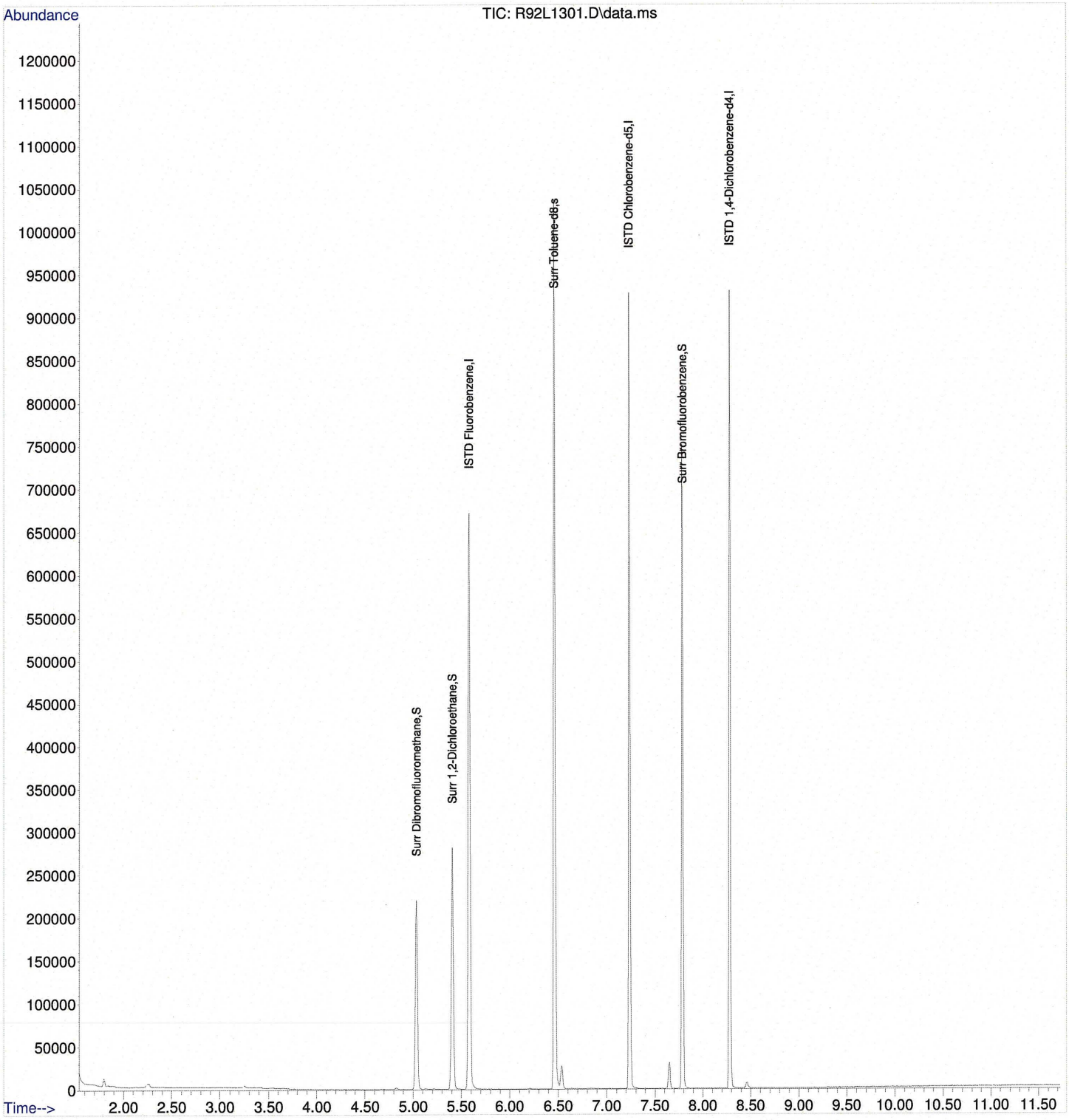
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\08MAY12\
Data File : R92L1301.D
Acq On : 8 May 2012 11:30 am
Operator :
Sample : 1205130-001A
Misc : SAMP 5.0ML SB
ALS Vial : 9 Sample Multiplier: 1

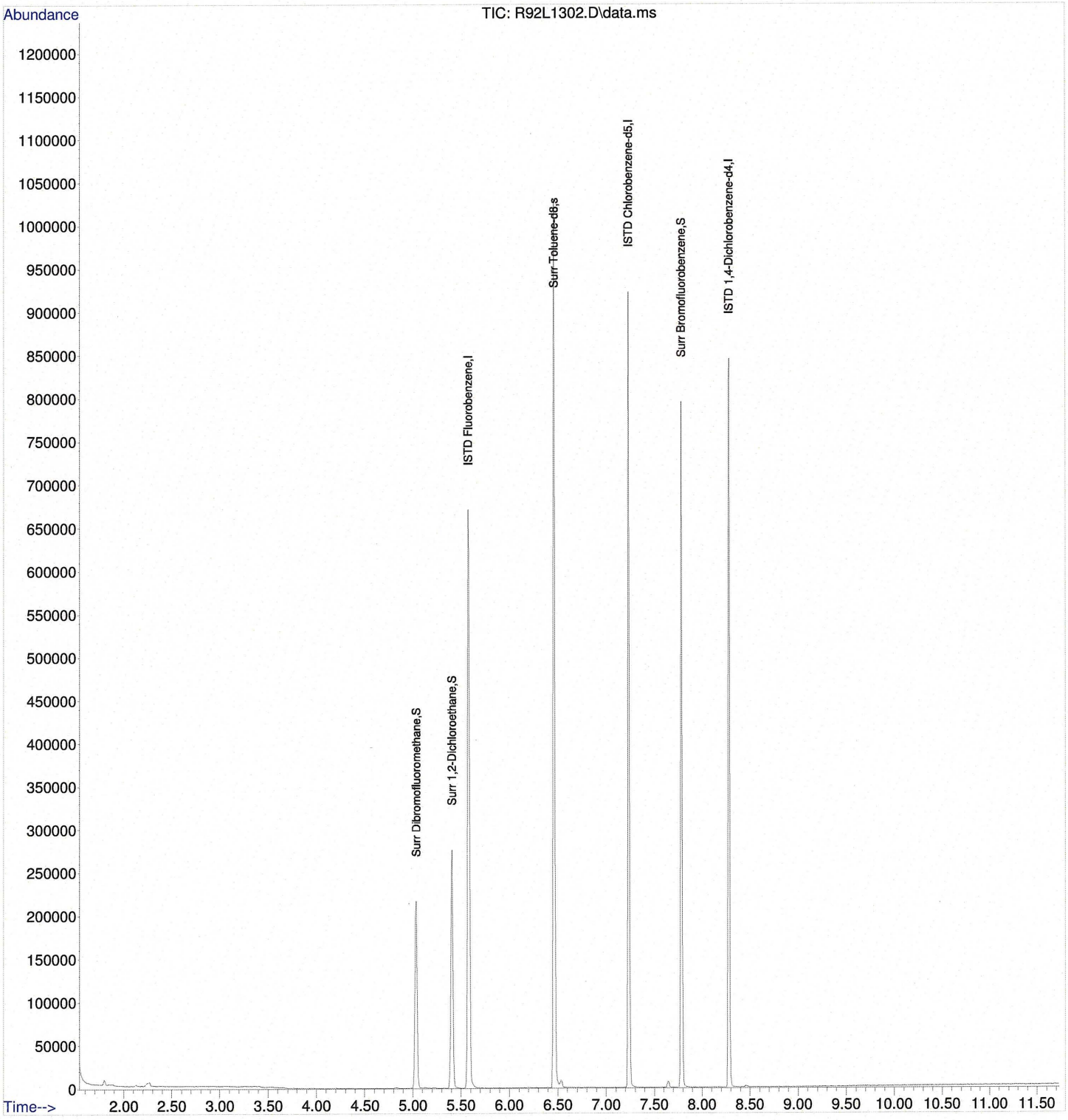
Quant Time: May 08 11:44:52 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\08MAY12\
Data File : R92L1302.D
Acq On : 8 May 2012 11:49 am
Operator :
Sample : 1205130-002A
Misc : SAMP 5.0ML SB
ALS Vial : 10 Sample Multiplier: 1

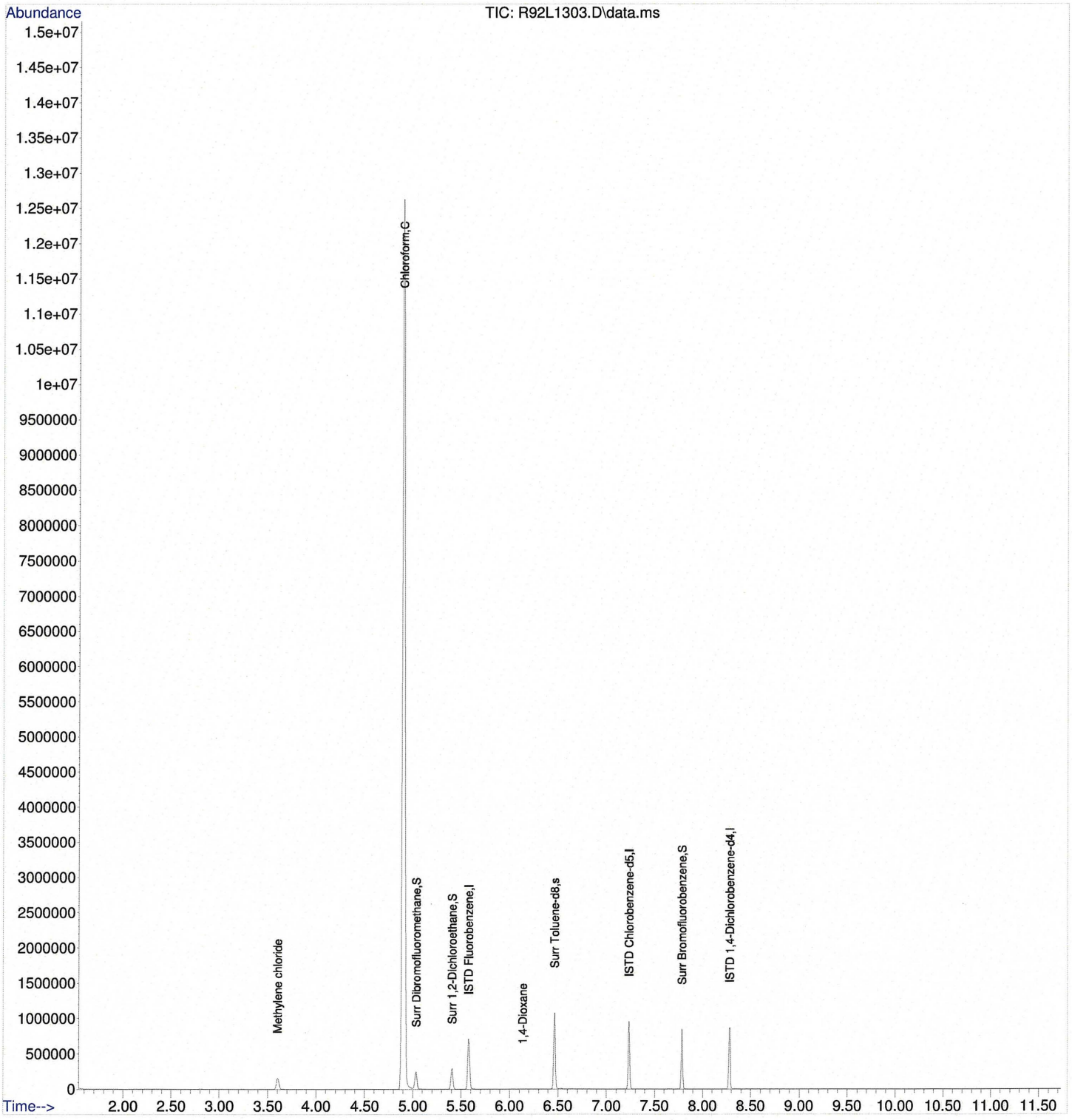
Quant Time: May 08 12:43:16 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\08MAY12\
Data File : R92L1303.D
Acq On : 8 May 2012 12:08 pm
Operator :
Sample : 1205130-003A
Misc : SAMP 5.0ML SB
ALS Vial : 11 Sample Multiplier: 1

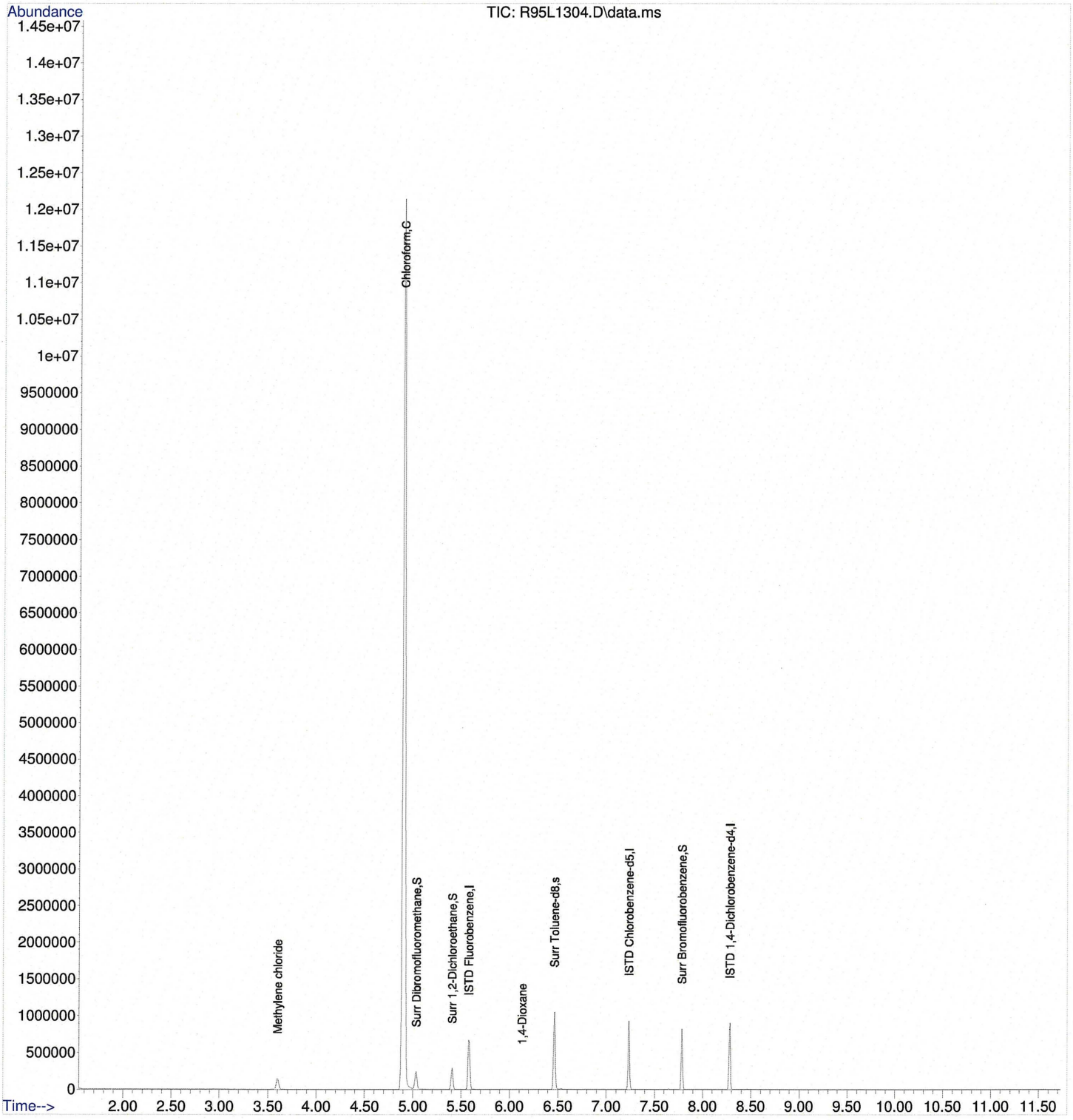
Quant Time: May 08 13:08:13 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\08MAY12\
Data File : R95L1304.D
Acq On : 8 May 2012 1:05 pm
Operator :
Sample : 1205130-004A
Misc : SAMP 5.0ML SB
ALS Vial : 12 Sample Multiplier: 1

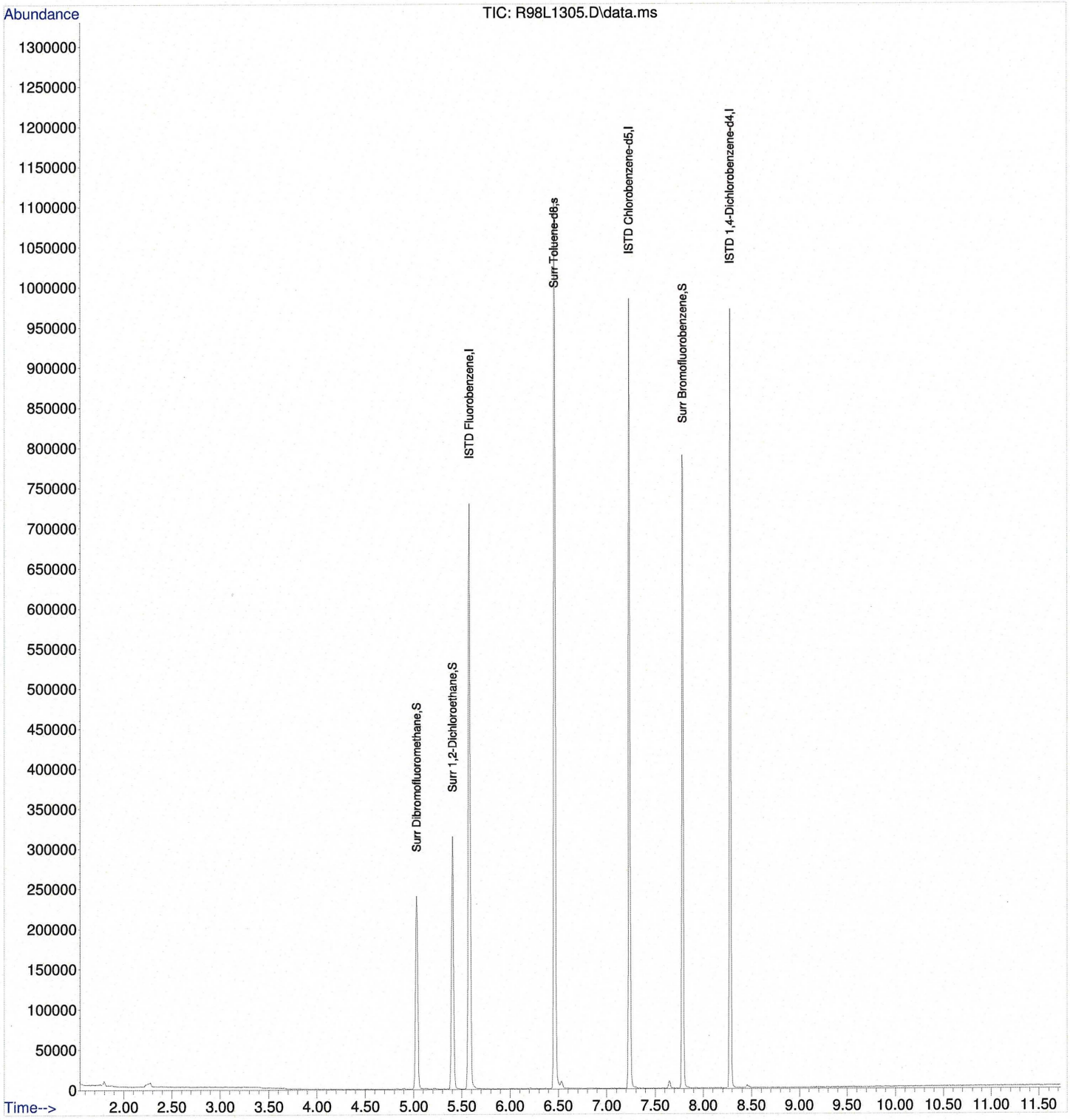
Quant Time: May 08 13:20:15 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\08MAY12\
Data File : R98L1305.D
Acq On : 8 May 2012 2:50 pm
Operator :
Sample : 1205130-005A
Misc : SAMP 5.0ML SB
ALS Vial : 17 Sample Multiplier: 1

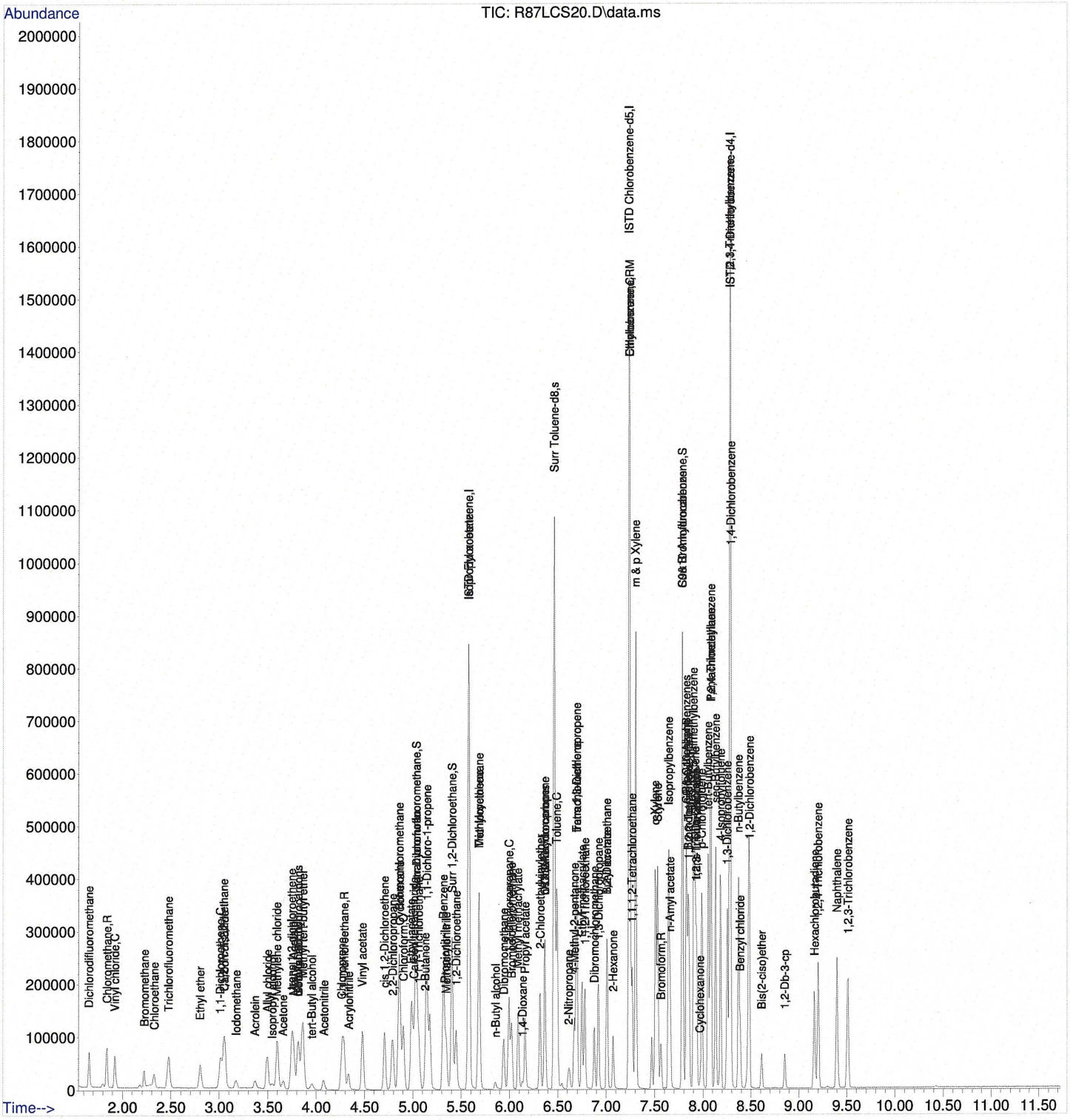
Quant Time: May 09 06:07:52 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\08MAY12\
Data File : R87LCS20.D
Acq On : 8 May 2012 7:21 am
Operator :
Sample : LCS VOC 050812A
Misc : LCS SEE COVERSHEET FOR ID AND AMOUNTS SB
ALS Vial : 3 Sample Multiplier: 1

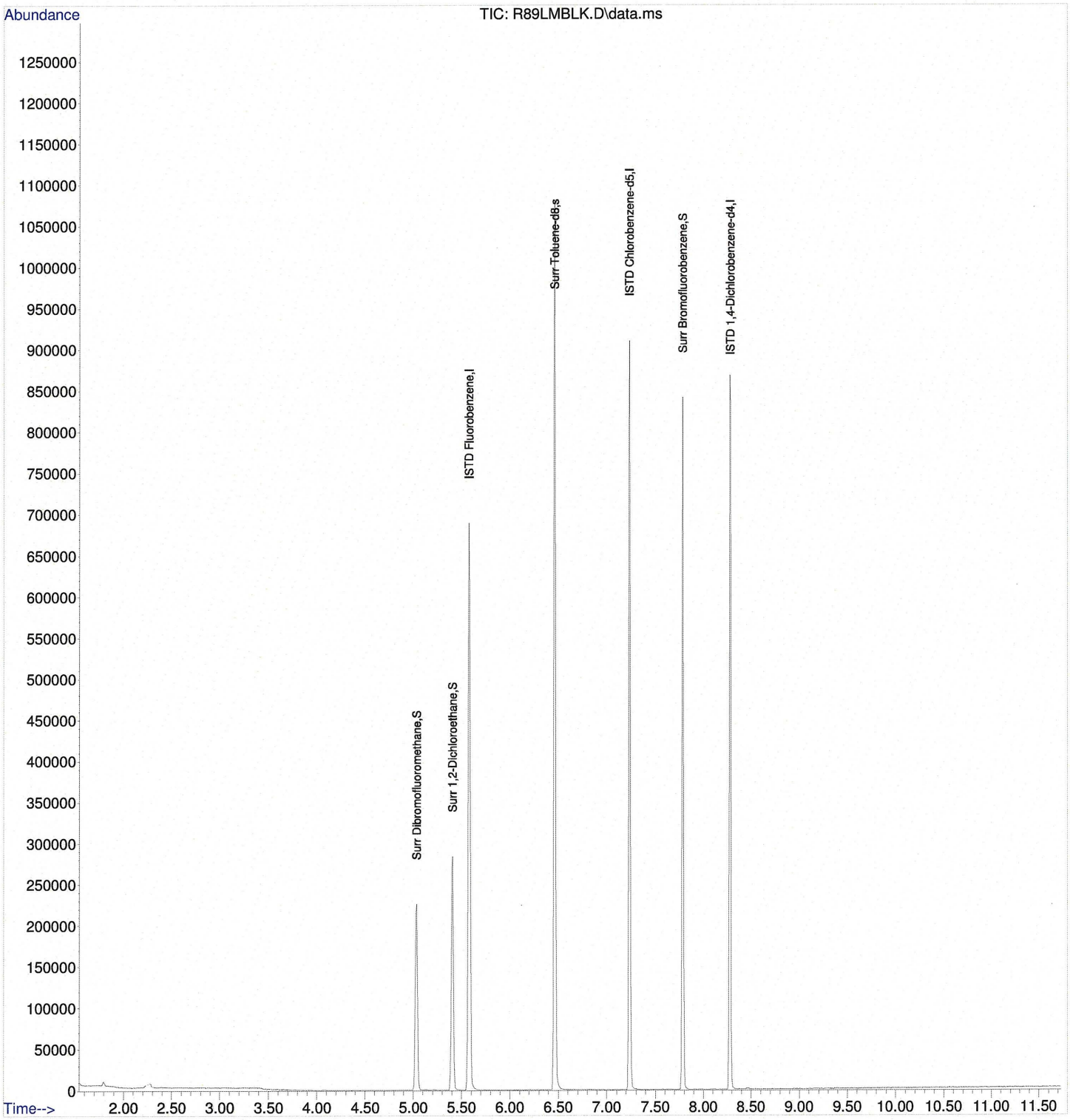
Quant Time: May 08 07:34:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\08MAY12\
Data File : R89LMBLK.D
Acq On : 8 May 2012 7:59 am
Operator :
Sample : MB VOC 050812A
Misc : MBLK 5.0ML SB
ALS Vial : 5 Sample Multiplier: 1

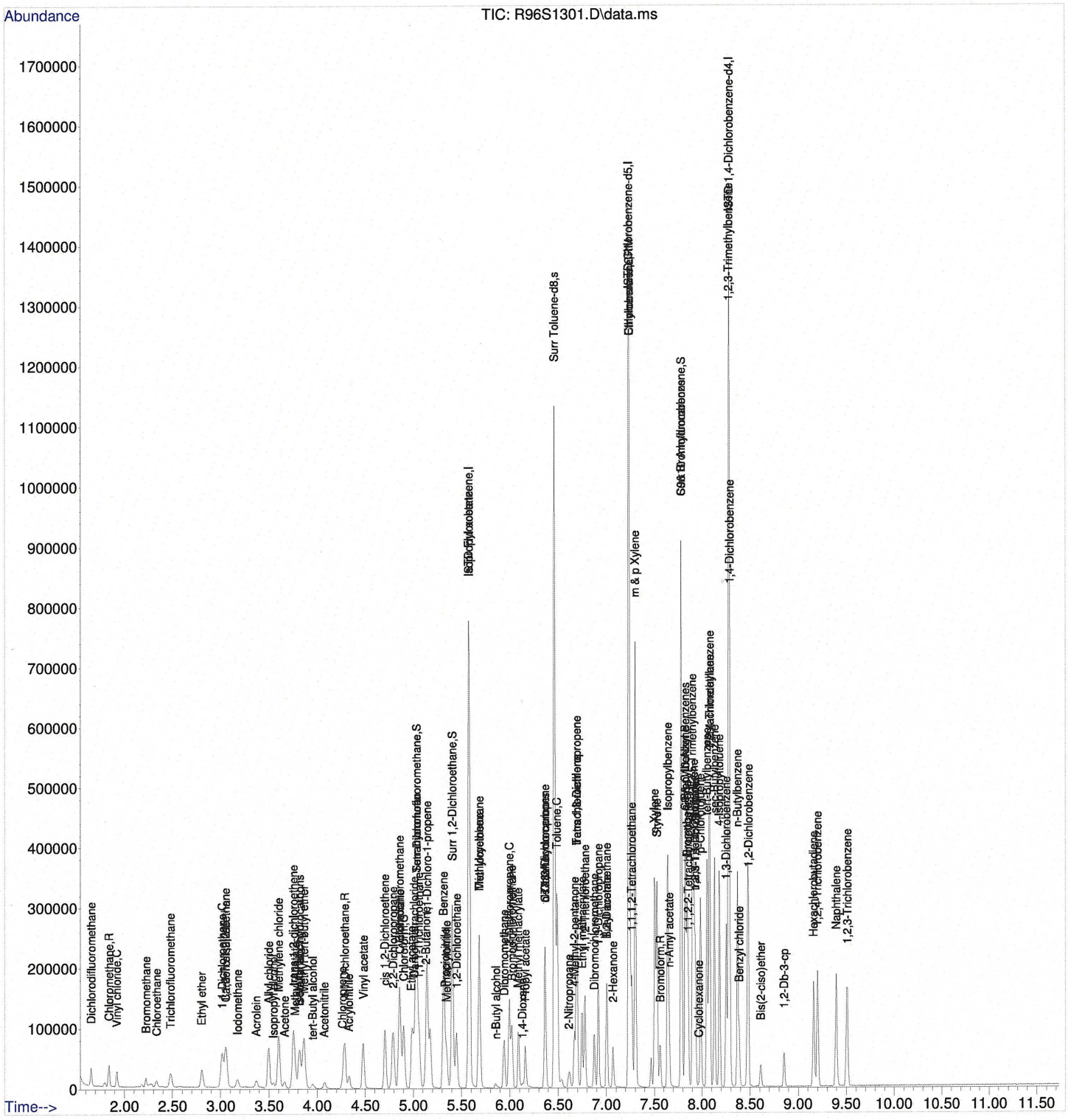
Quant Time: May 08 09:38:34 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\08MAY12\
Data File : R96S1301.D
Acq On : 8 May 2012 1:24 pm
Operator :
Sample : 1205130-002AMS
Misc : MS 5.0ML 2 OF 3 SB
ALS Vial : 15 Sample Multiplier: 1

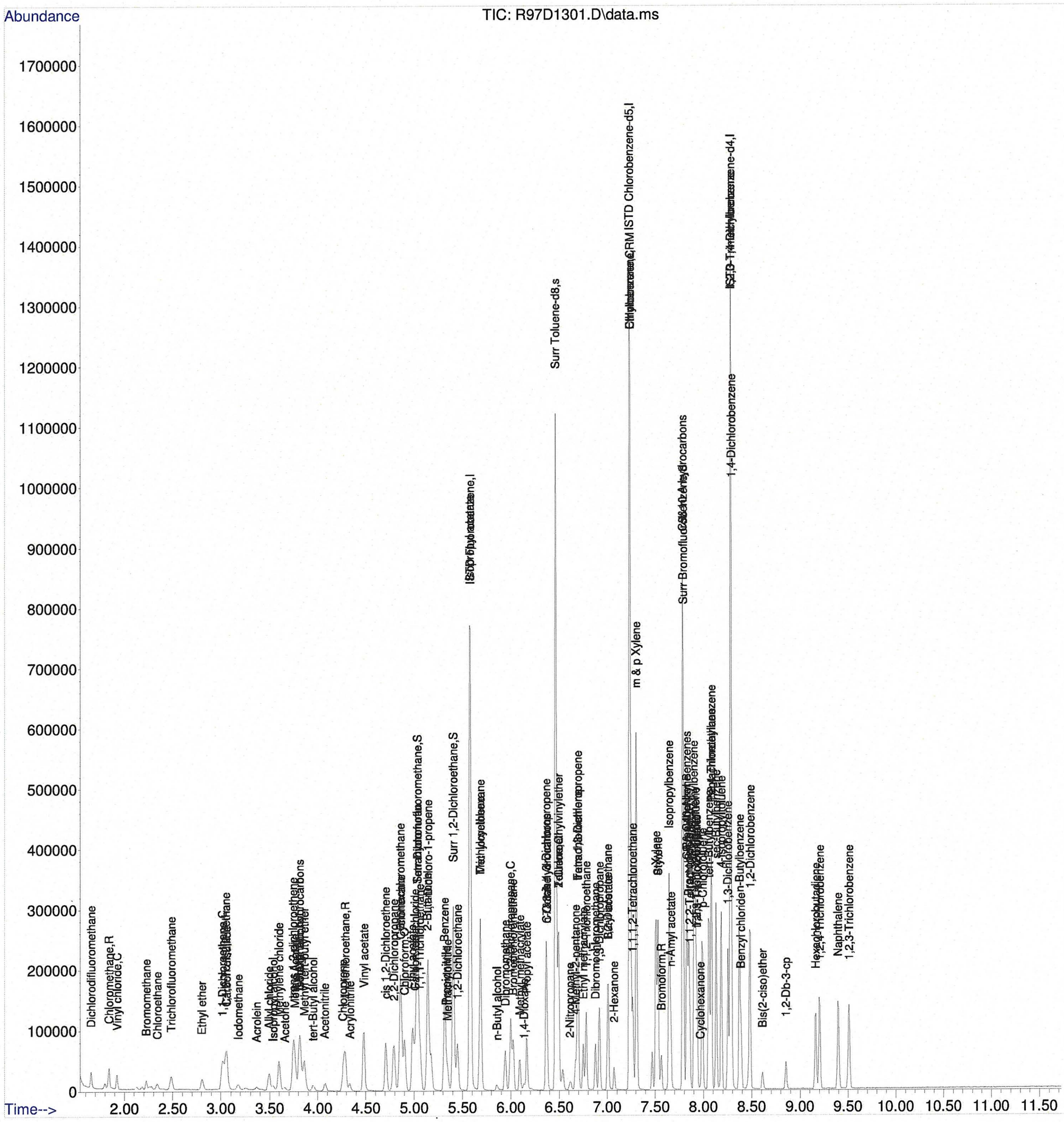
Quant Time: May 08 13:54:22 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\08MAY12\
Data File : R97D1301.D
Acq On : 8 May 2012 2:31 pm
Operator :
Sample : 1205130-002AMSD
Misc : SAMP 5.0ML 3 OF 3 SB
ALS Vial : 16 Sample Multiplier: 1

Quant Time: May 09 06:05:41 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



REVISED
7-19-12
Client Sample ID and Collection Date updated for Sample #2

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: 1205130
Page 1 of 1 7/19/2012

Client: Denison Mines
Client ID: DEN100 **Contact:** Jo Ann Tischler
Project: Semi Annual 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.;

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1205130-001A	MW-17 _ 05042012	5/4/2012 1025h	5/8/2012 1000h	5/17/2012	Aqueous	8260-W	☑	VOCFridge	3
1205130-002A	MW-22 _ 05032012	5/3/2012 1225h				8260-W	☑	VOCFridge	
1205130-003A	MW-26 _ 05072012	5/7/2012 0945h				8260-W	☑	VOCFridge	
1205130-004A	MW-65 _ 05072012					8260-W	☑	VOCFridge	
1205130-005A	Trip Blank	5/4/2012				8260-W	☑	VOCFridge	

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_ _ _ _ HOK_ _ _ _ HOK_ _ _ _

DENISON MINES

Sheet 1 of 1

1205130

CHAIN OF CUSTODY

Samples Shipped to: American West Analytical Lab
463 West 3600 South
Salt Lake City, Ut 84115

Contact: Garrin Palmer or David Turk
Ph: 435 678 2221
gpalmer@denisonmines.com
dturk@denisonmines.com
tholliday@denisonmines.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
Semiannual Ground Water 2012	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-17_05042012	5/4/2012	1025	THF
~~MW-22_05042012~~	~~5/4/2012~~	1225	THF
MW-26_05072012	5/7/2012	945	THF
MW-65_05072012	5/7/2012	945	THF
Trip Blank	5/4/2012		"

Per Kathy Weinel, MW-22 was pulled 5/3/2012. Sample ID should be: **MW-22_05032012** -RW 7/19/12

Please notify Garrin Palmer or Tanner Holliday of Reciept tempature on these samples Immediately! Thank you.

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	5/7/2012 1000		
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
		Elma Hay	5/8/12 1000

22°

Lab Set ID: 1205130

Samples Were:	COC Tape Was:	Container Type:	No. Rec.
☒ Shipped By: UPS	**Present on Outer Package**	☐ AWAL Supplied Plastic	
☐ Hand Delivered	☒ Yes ☐ No ☐ N/A	☐ AWAL Supplied Clear Glass	
☐ Ambient	**Unbroken on Outer package**	☐ AWAL Supplied Amber Glass	
☒ Chilled w/ ice	☒ Yes ☐ No ☐ N/A	☐ AWAL Supplied VOA/TOC/TOX Vials	
Temperature 2.2 °C	**Present on Sample**	☐ Amber ☐ Clear ☐ Headspace ☐ No Headspace	
Rec. Broken/Leaking ☐ Yes ☒ No ☐ N/A	☐ Yes ☐ No ☒ N/A	☐ Non AWAL Supplied Container	
Notes:	**Unbroken on Sample**	**Notes:**	
	☐ Yes ☐ No ☒ N/A	5/8/12	
Properly Preserved ☒ Yes ☐ No ☐ N/A	**Notes:**		
Notes:			
Rec. Within Hold ☒ Yes ☐ No		**Discrepancies Between Labels and COC** ☐ Yes ☒ No	
Notes:		**Notes:**	

Bottle Type	Preservative	All pHs OK
Ammonia	pH <2 H_2SO_4	
COD	pH <2 H_2SO_4	
Cyanide	PH >12 NaOH	
Metals	pH <2 HNO_3	
NO_2 & NO_3	pH <2 H_2SO_4	
Nutrients	pH <2 H_2SO_4	
O & G	pH <2 HCL	
Phenols	pH <2 H_2SO_4	
Sulfide	pH > 9NaOH, ZnAC	
TKN	pH <2 H_2SO_4	
TOC	pH <2 H_3PO_4	
T PO_4	pH <2 H_2SO_4	
TPH	pH <2 HCL	

5/8/12

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

Create New Shipment View Pending Shipments

American West
ANALYTICAL LABORATORIES

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Jo Ann Tischler
Denison Mines
1050 17th Street, # 950
Denver, CO 80265
TEL: (303) 389-4132

RE: Semi Annual Ground Water 2012

Dear Jo Ann Tischler: Lab Set ID: 1205202

American West Analytical Laboratories received 11 sample(s) on 5/11/2012 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is accredited by The NELAC Institute in Utah and Texas; and is state accredited in Colorado, Idaho, and Missouri. Accreditation documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou=Quality Assurance Officer, email=jose@awal-labs.com, c=US
Date: 2012.05.17 14:29:05 -06'00'

Laboratory Director or designee

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SAMPLE SUMMARY

Client: Denison Mines
Project: Semi Annual Ground Water 2012
Lab Set ID: 1205202
Date Received: 5/11/2012 1300h

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
1205202-001A	MW-02_05092012	5/9/2012	845h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205202-002A	MW-05_05092012	5/9/2012	1450h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205202-003A	MW-11_05082012	5/8/2012	1440h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205202-004A	MW-12_05102012	5/10/2012	700h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205202-005A	MW-14_05092012	5/9/2012	920h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205202-006A	MW-15_05092012	5/9/2012	1245h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205202-007A	MW-24_05102012	5/10/2012	630h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205202-008A	MW-28_05082012	5/8/2012	945h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205202-009A	MW-29_05082012	5/8/2012	1235h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205202-010A	MW-36_05082012	5/8/2012	800h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205202-011A	Trip Blank	5/8/2012		Aqueous	VOA by GC/MS Method 8260C/5030C

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Denison Mines
Contact:	Jo Ann Tischler
Project:	Semi Annual Ground Water 2012
Lab Set ID:	1205202

Sample Receipt Information:

Date of Receipt:	5/11/2012
Date(s) of Collection:	5/8-5/10/2012
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Tetrahydrofuran

General Set Comments: Tetrahydrofuran was observed on multiple samples above its reporting limits.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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

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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: 1205202
Project: Semi Annual 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 051212A	Tetrahydrofuran	µg/L	SW8260C	15.7	20.00	0	78.6	43-146				5/12/2012 1946h
LCS VOC 051212A	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	53.7	50.00		107	76-138				5/12/2012 1946h
LCS VOC 051212A	Surr: 4-Bromofluorobenzene	%REC	SW8260C	45.5	50.00		91.0	77-121				5/12/2012 1946h
LCS VOC 051212A	Surr: Dibromofluoromethane	%REC	SW8260C	49.9	50.00		99.8	67-128				5/12/2012 1946h
LCS VOC 051212A	Surr: Toluene-d8	%REC	SW8260C	48.0	50.00		96.0	81-135				5/12/2012 1946h

l analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any mber of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility

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: 1205202
Project: Semi Annual 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 051212A	Tetrahydrofuran	µg/L	SW8260C	< 1.00				-				5/12/2012 2024h
MB VOC 051212A	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	56.2	50.00		112	76-138				5/12/2012 2024h
MB VOC 051212A	Surr: 4-Bromofluorobenzene	%REC	SW8260C	49.9	50.00		99.8	77-121				5/12/2012 2024h
MB VOC 051212A	Surr: Dibromofluoromethane	%REC	SW8260C	50.9	50.00		102	67-128				5/12/2012 2024h
MB VOC 051212A	Surr: Toluene-d8	%REC	SW8260C	50.9	50.00		102	81-135				5/12/2012 2024h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1205202
Project: Semi Annual 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
1205202-001AMS	Tetrahydrofuran	µg/L	SW8260C	17.7	20.00	0	88.5	43-146				5/12/2012 2121h
1205202-001AMS	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	57.6	50.00		115	72-151				5/12/2012 2121h
1205202-001AMS	Surr: 4-Bromofluorobenzene	%REC	SW8260C	47.7	50.00		95.5	80-128				5/12/2012 2121h
1205202-001AMS	Surr: Dibromofluoromethane	%REC	SW8260C	52.9	50.00		106	80-124				5/12/2012 2121h
1205202-001AMS	Surr: Toluene-d8	%REC	SW8260C	49.5	50.00		99.0	77-129				5/12/2012 2121h

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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: 1205202
Project: Semi Annual Ground Water 2012

Contact: Jo Ann Tischler
Dept: MSVOA
QC Type: MSD

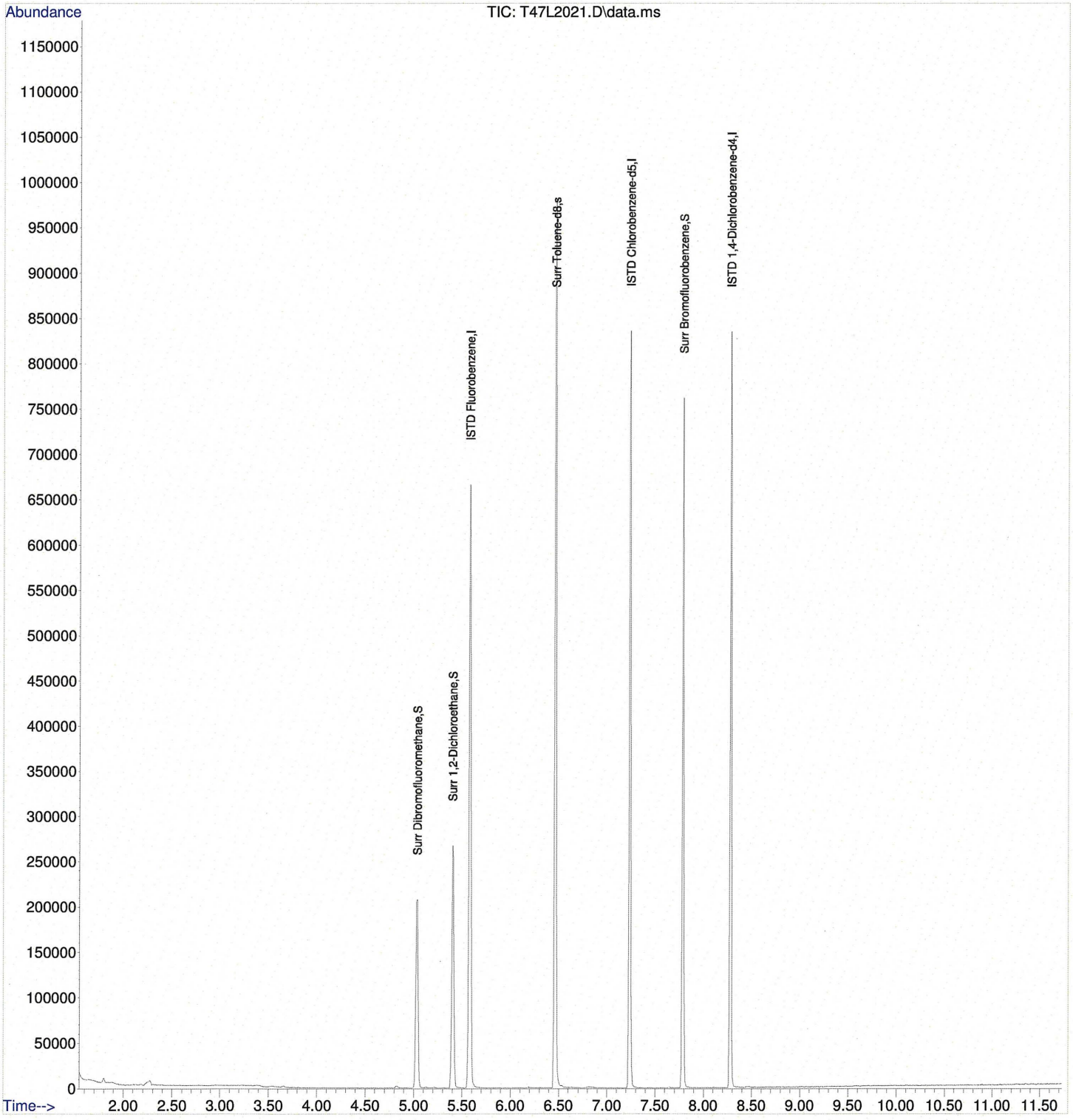
Sample ID	Analyte	Units	Method	Result	Amount Spiked	Original Amount	%REC	Limits	%RPD	RPD Limit	Qual	Date Analyzed
1205202-001AMSD	Tetrahydrofuran	µg/L	SW8260C	16.2	20.00	0	80.9	43-146	8.97	25		5/12/2012 2140h
1205202-001AMSD	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	55.9	50.00		112	72-151				5/12/2012 2140h
1205202-001AMSD	Surr: 4-Bromofluorobenzene	%REC	SW8260C	48.3	50.00		96.7	80-128				5/12/2012 2140h
1205202-001AMSD	Surr: Dibromofluoromethane	%REC	SW8260C	52.0	50.00		104	80-124				5/12/2012 2140h
1205202-001AMSD	Surr: Toluene-d8	%REC	SW8260C	49.1	50.00		98.1	77-129				5/12/2012 2140h

l analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any mber of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\12MAY12\
Data File : T47L2021.D
Acq On : 12 May 2012 9:02 pm
Operator :
Sample : 1205202-001A
Misc : SAMP 5.0ML 1 OF 3 AAP
ALS Vial : 7 Sample Multiplier: 1

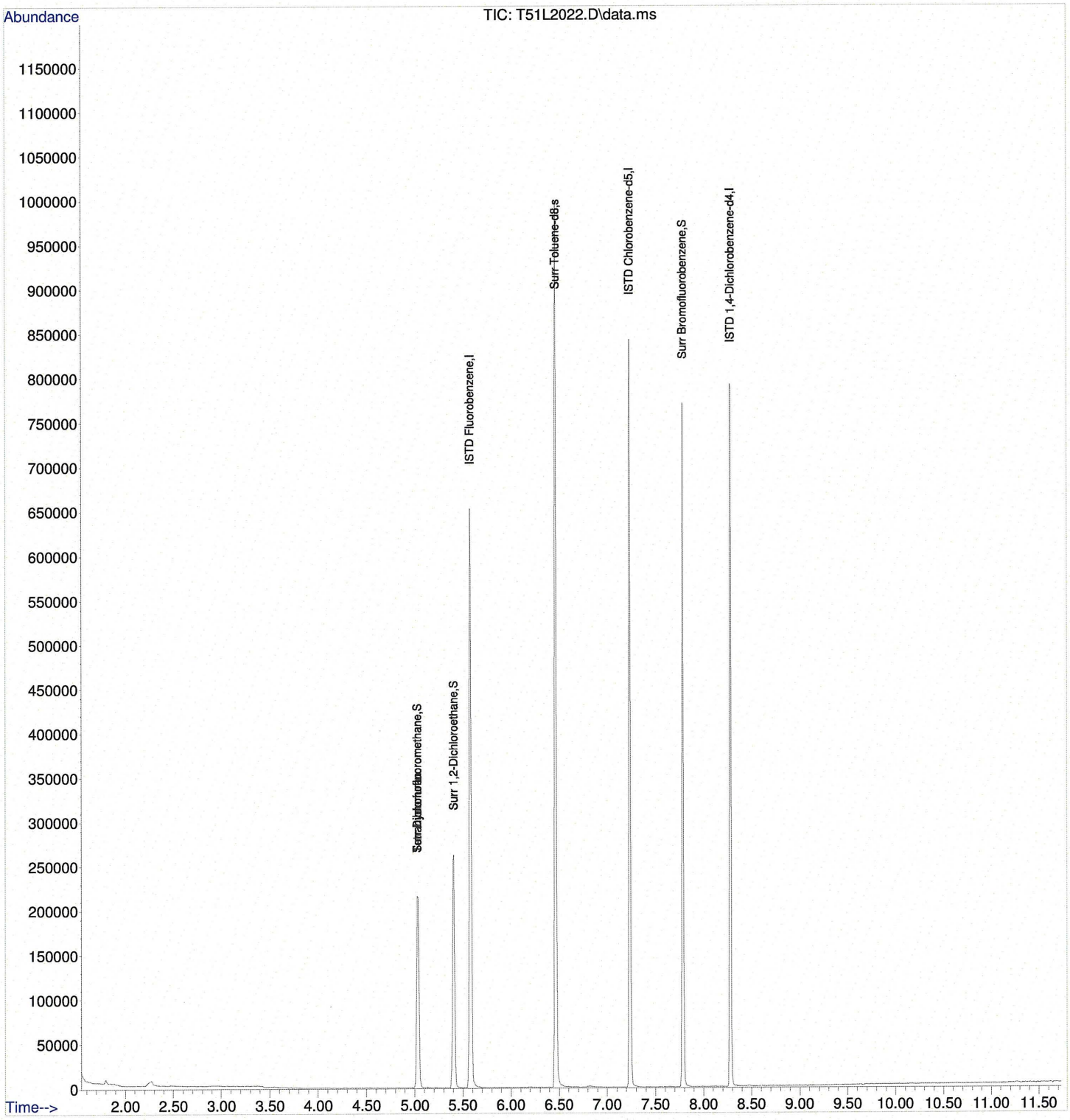
Quant Time: May 14 11:03:38 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\12MAY12\
Data File : T51L2022.D
Acq On : 12 May 2012 10:18 pm
Operator :
Sample : 1205202-002A
Misc : SAMP 5.0ML 1 OF 3 AAP
ALS Vial : 11 Sample Multiplier: 1

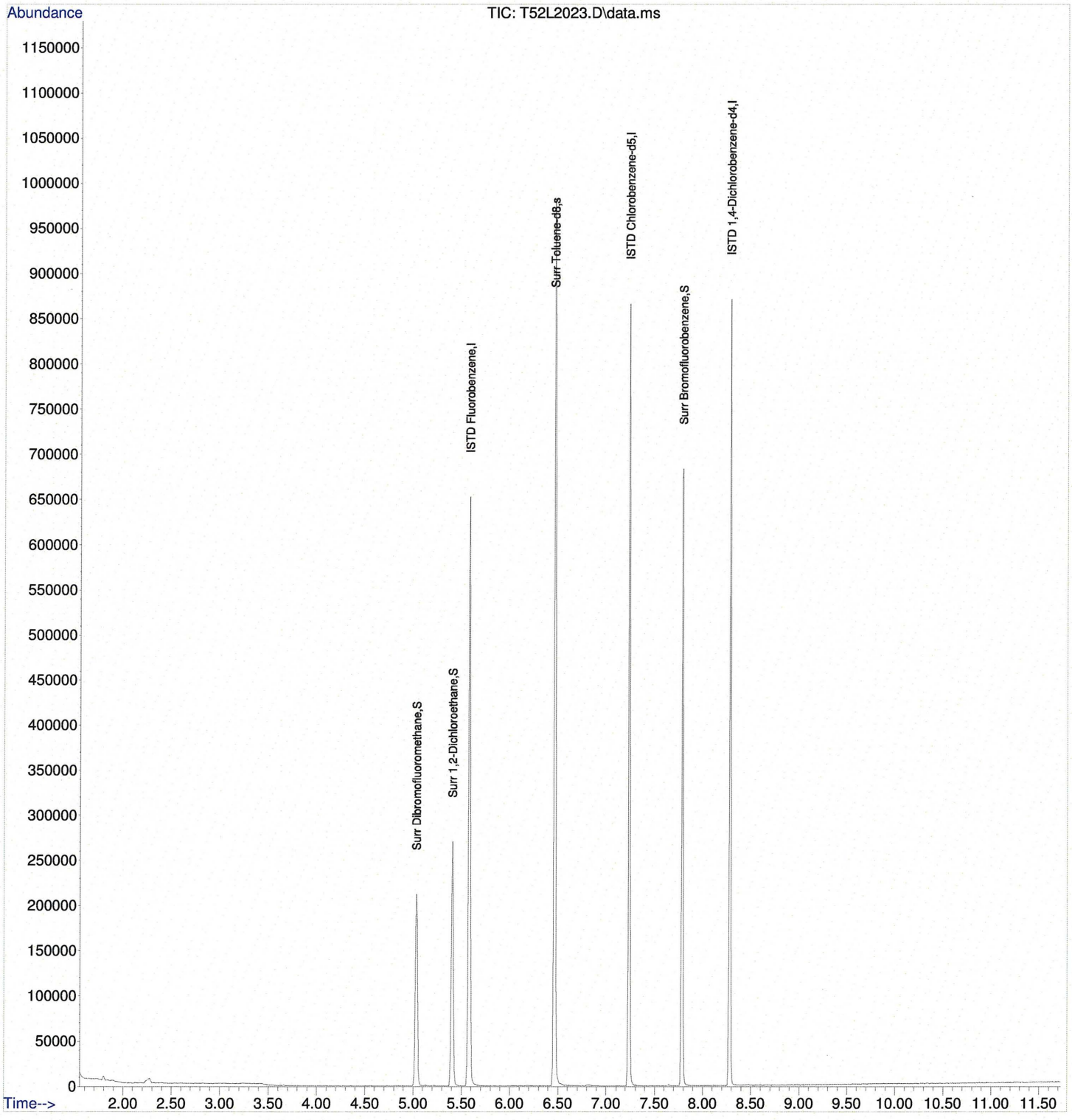
Quant Time: May 14 11:17:06 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\12MAY12\
Data File : T52L2023.D
Acq On : 12 May 2012 10:37 pm
Operator :
Sample : 1205202-003A
Misc : SAMP 5.0ML 1 OF 3 AAP
ALS Vial : 12 Sample Multiplier: 1

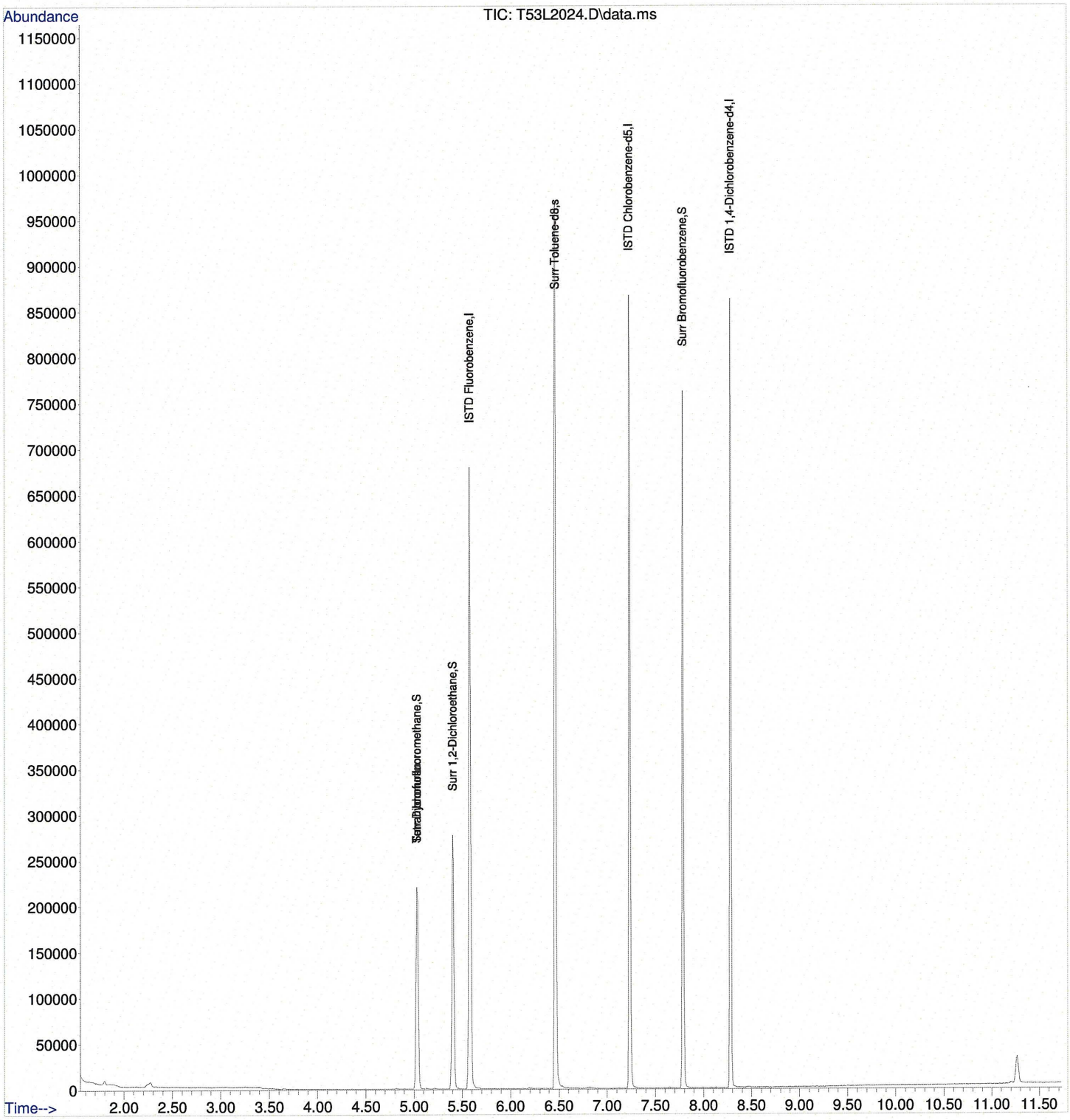
Quant Time: May 14 11:17:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\12MAY12\
Data File : T53L2024.D
Acq On : 12 May 2012 10:56 pm
Operator :
Sample : 1205202-004A
Misc : SAMP 5.0ML 1 OF 3 AAP
ALS Vial : 13 Sample Multiplier: 1

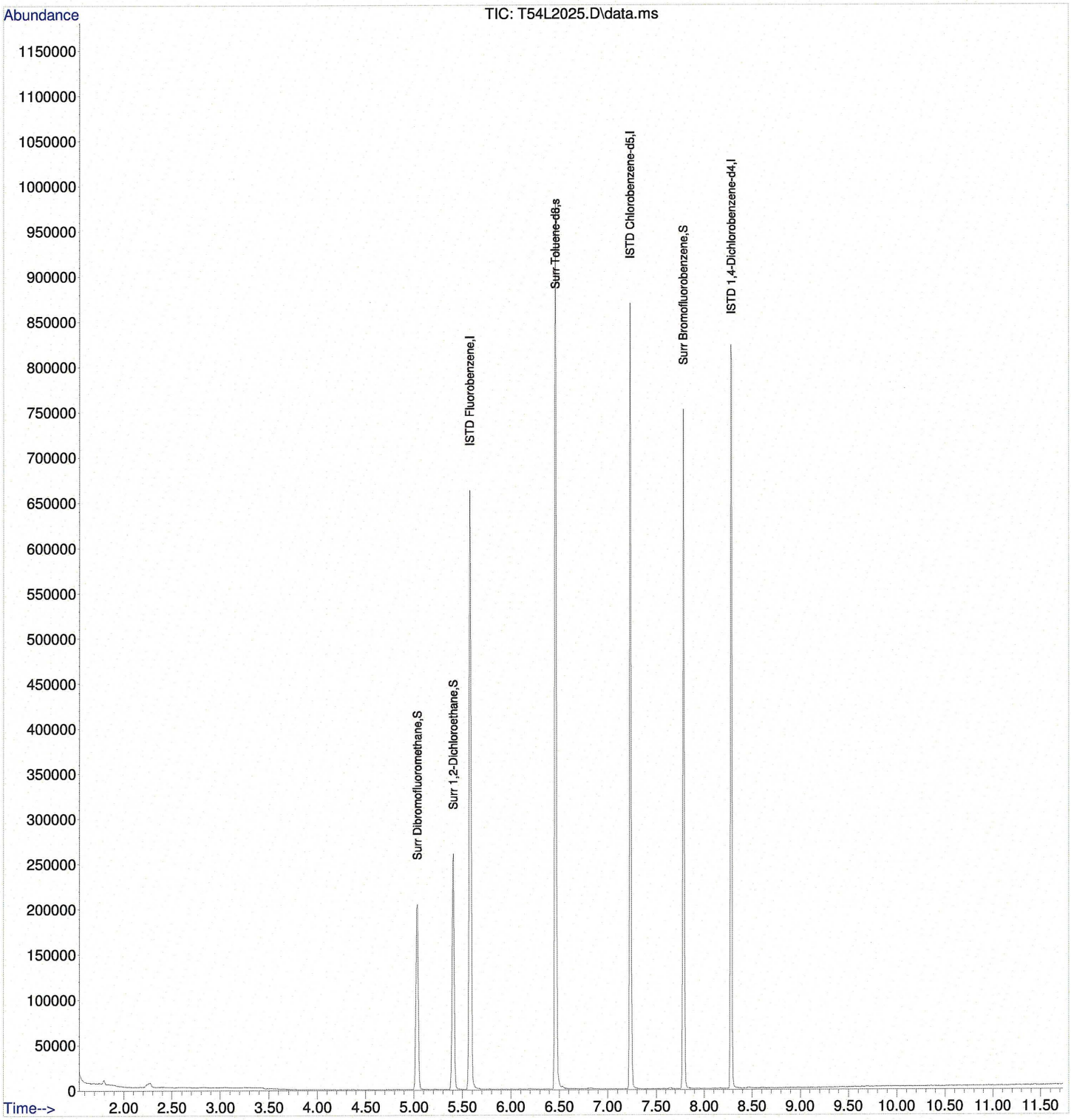
Quant Time: May 15 09:15:14 2012
Quant Method : C:\msdchem\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\12MAY12\
Data File : T54L2025.D
Acq On : 12 May 2012 11:15 pm
Operator :
Sample : 1205202-005A
Misc : SAMP 5.0ML 1 OF 3 AAP
ALS Vial : 14 Sample Multiplier: 1

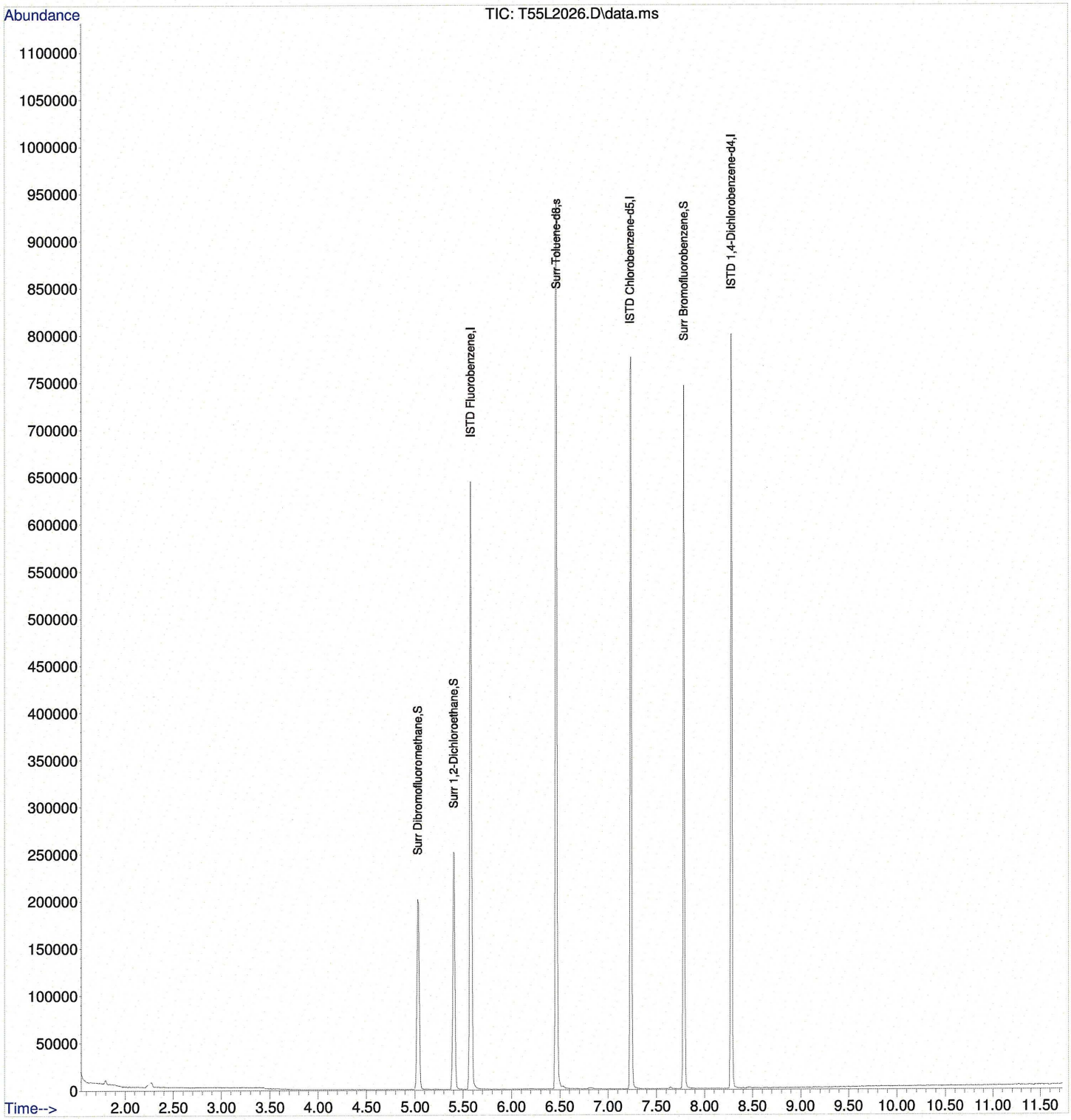
Quant Time: May 14 11:18:17 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\12MAY12\
Data File : T55L2026.D
Acq On : 12 May 2012 11:34 pm
Operator :
Sample : 1205202-006A
Misc : SAMP 5.0ML 1 OF 3 AAP
ALS Vial : 15 Sample Multiplier: 1

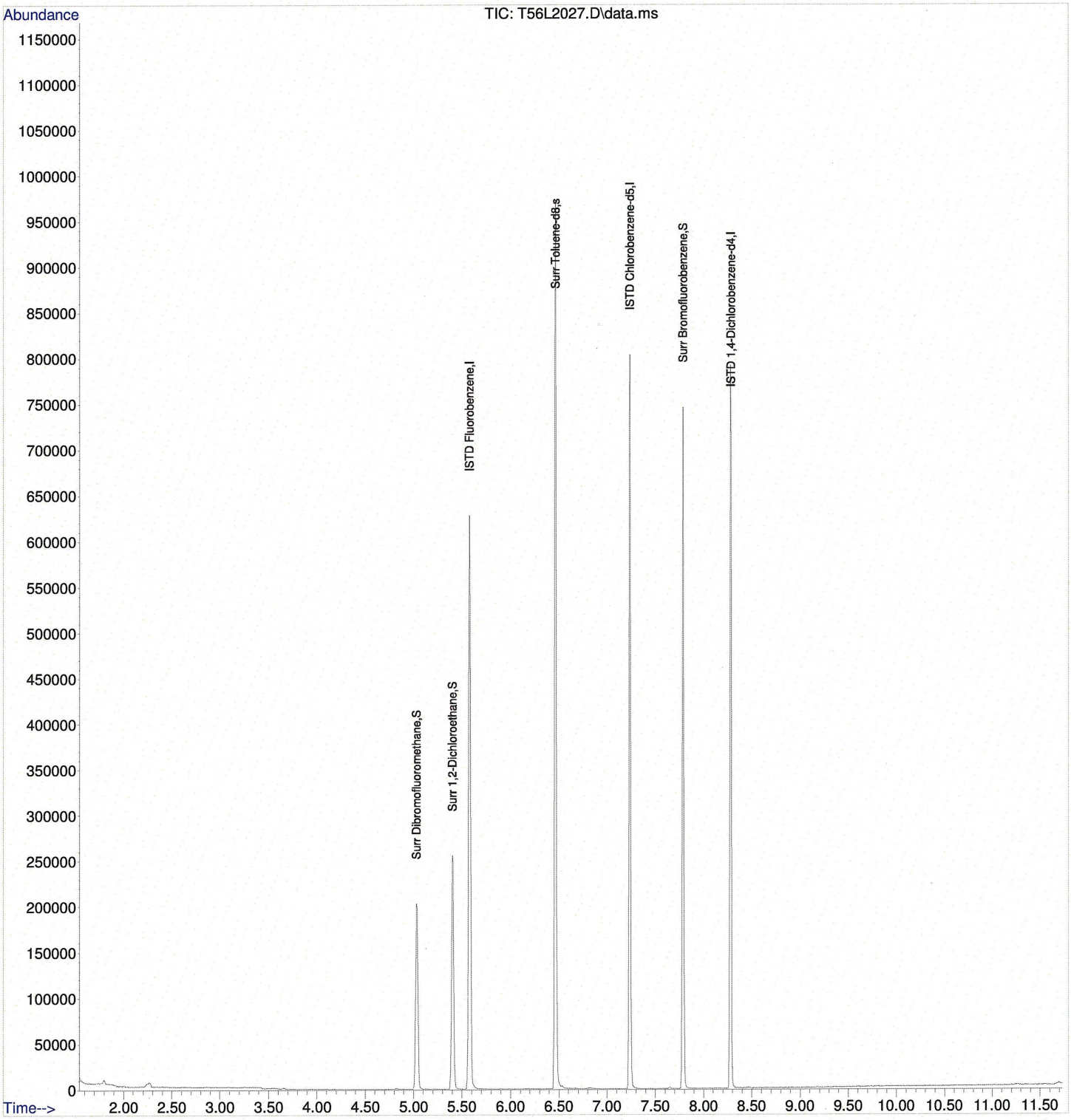
Quant Time: May 14 11:18:38 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\12MAY12\
Data File : T56L2027.D
Acq On : 12 May 2012 11:53 pm
Operator :
Sample : 1205202-007A
Misc : SAMP 5.0ML 1 OF 3 AAP
ALS Vial : 16 Sample Multiplier: 1

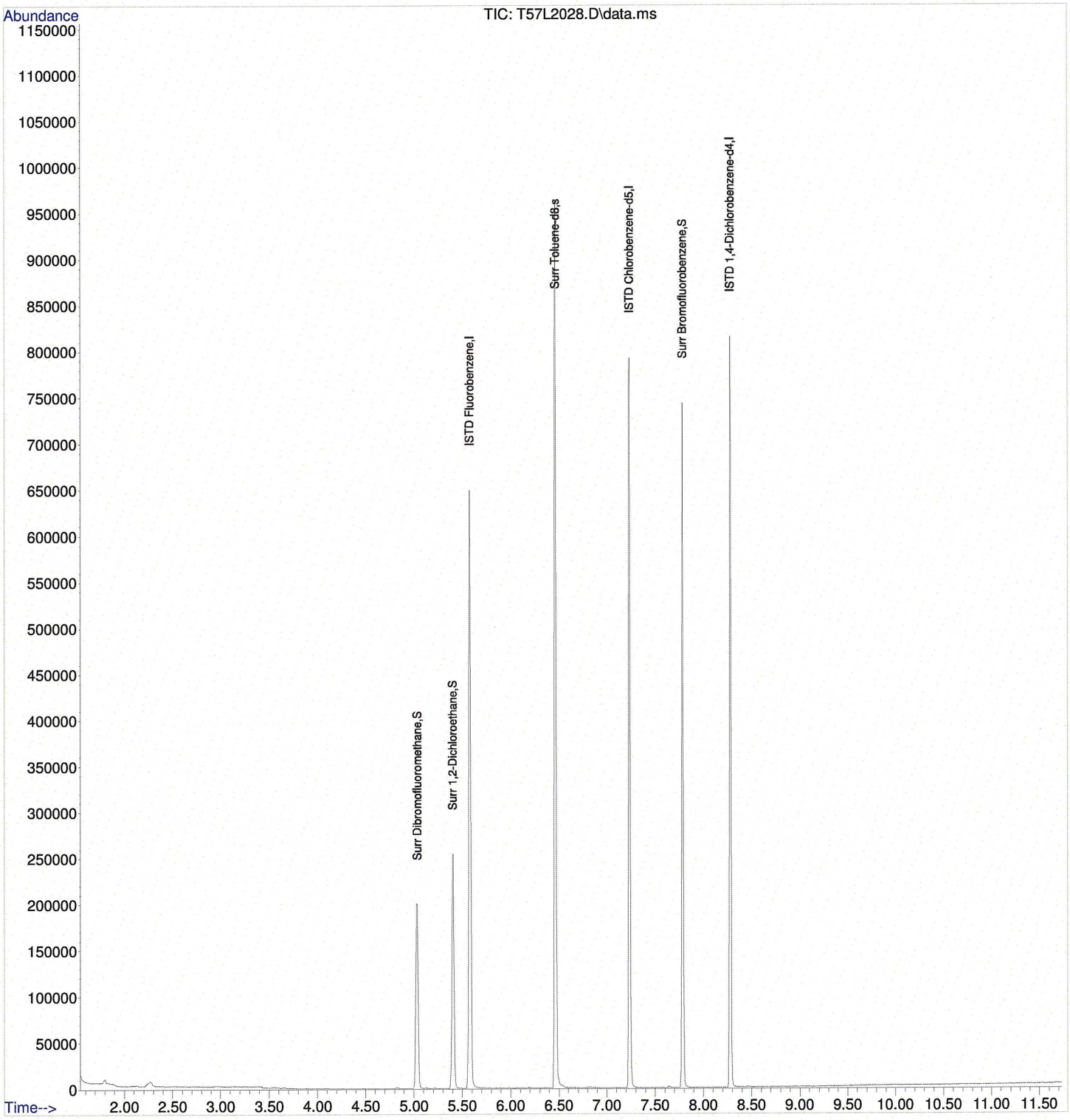
Quant Time: May 14 11:19:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\12MAY12\
Data File : T57L2028.D
Acq On : 13 May 2012 12:12 am
Operator :
Sample : 1205202-008A
Misc : SAMP 5.0ML 1 OF 3 AAP
ALS Vial : 17 Sample Multiplier: 1

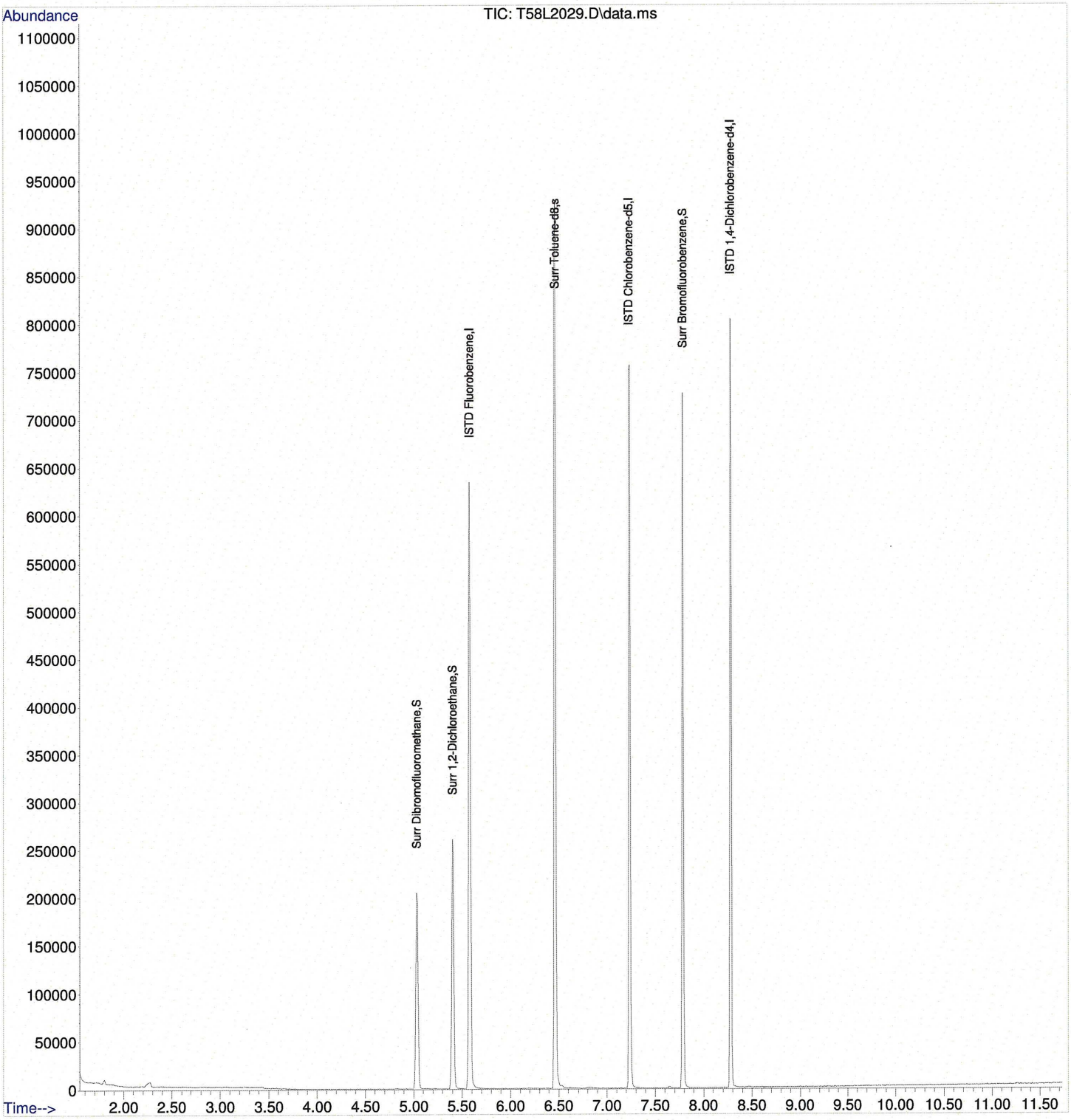
Quant Time: May 14 11:19:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\12MAY12\
Data File : T58L2029.D
Acq On : 13 May 2012 12:31 am
Operator :
Sample : 1205202-009A
Misc : SAMP 5.0ML 1 OF 3 AAP
ALS Vial : 18 Sample Multiplier: 1

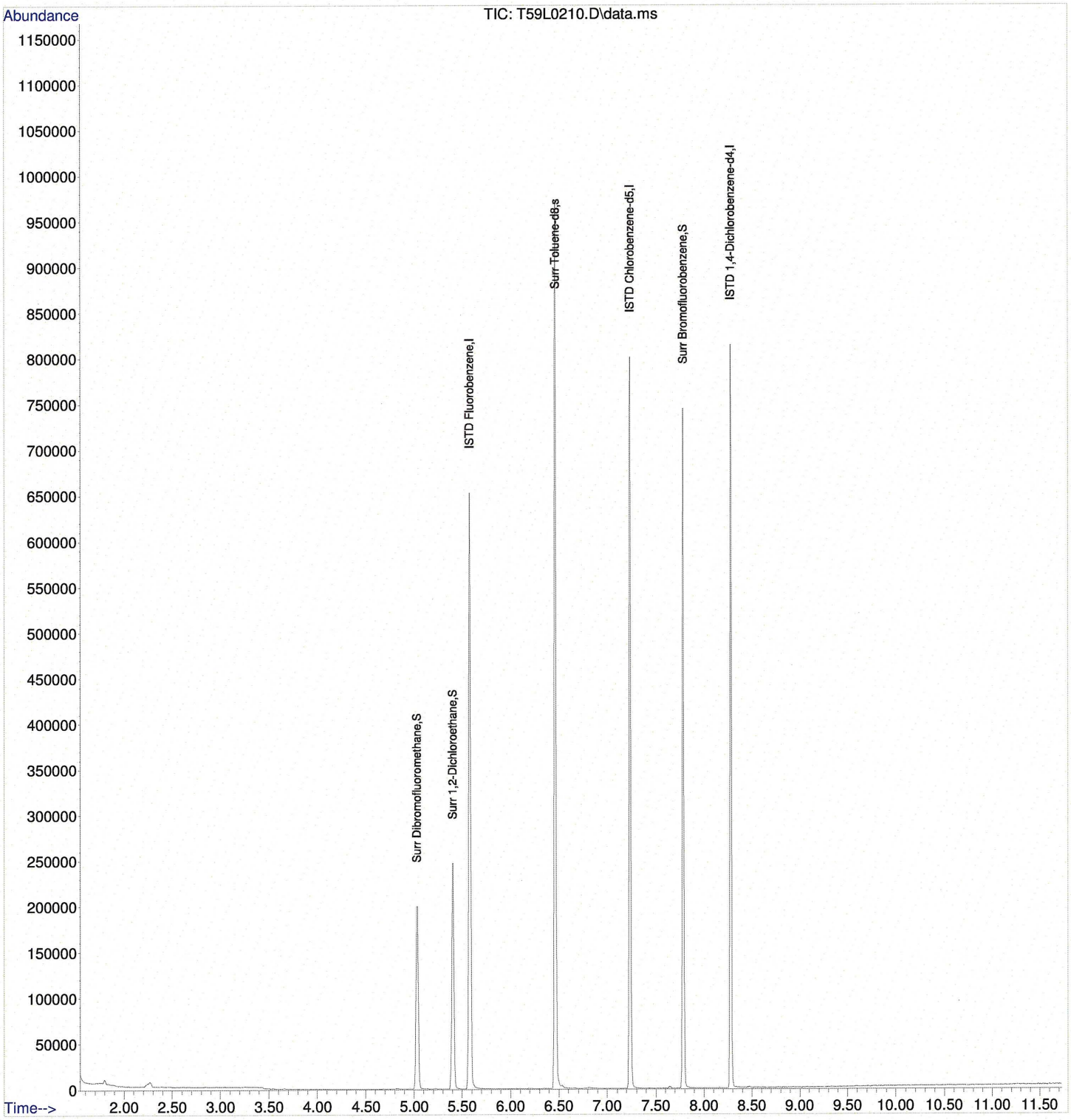
Quant Time: May 14 11:19:49 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\12MAY12\
Data File : T59L0210.D
Acq On : 13 May 2012 12:50 am
Operator :
Sample : 1205202-010A
Misc : SAMP 5.0ML 1 OF 3 AAP
ALS Vial : 19 Sample Multiplier: 1

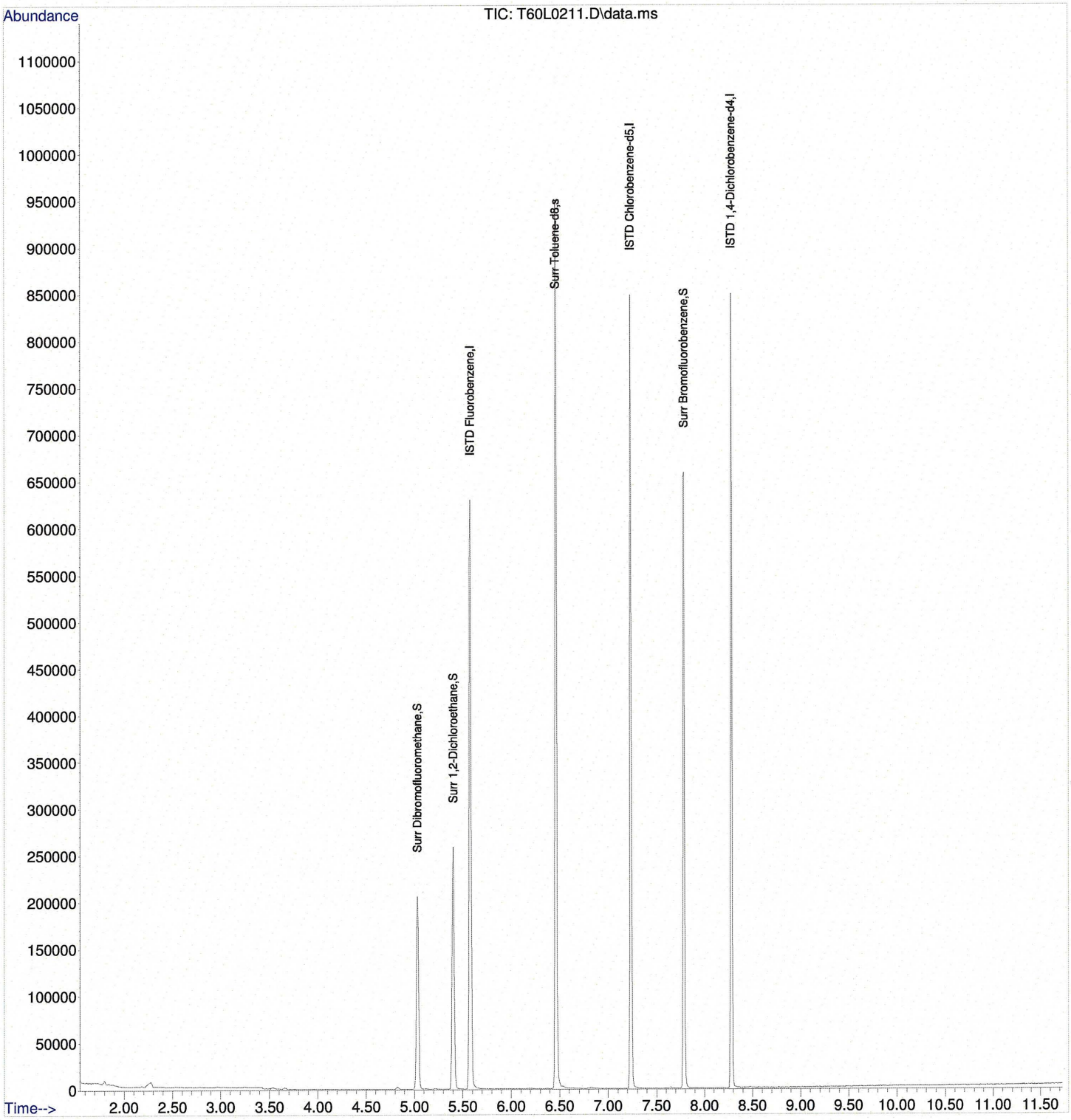
Quant Time: May 14 11:20:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\12MAY12\
Data File : T60L0211.D
Acq On : 13 May 2012 1:09 am
Operator :
Sample : 1205202-011A
Misc : SAMP 5.0ML 1 OF 3 AAP
ALS Vial : 20 Sample Multiplier: 1

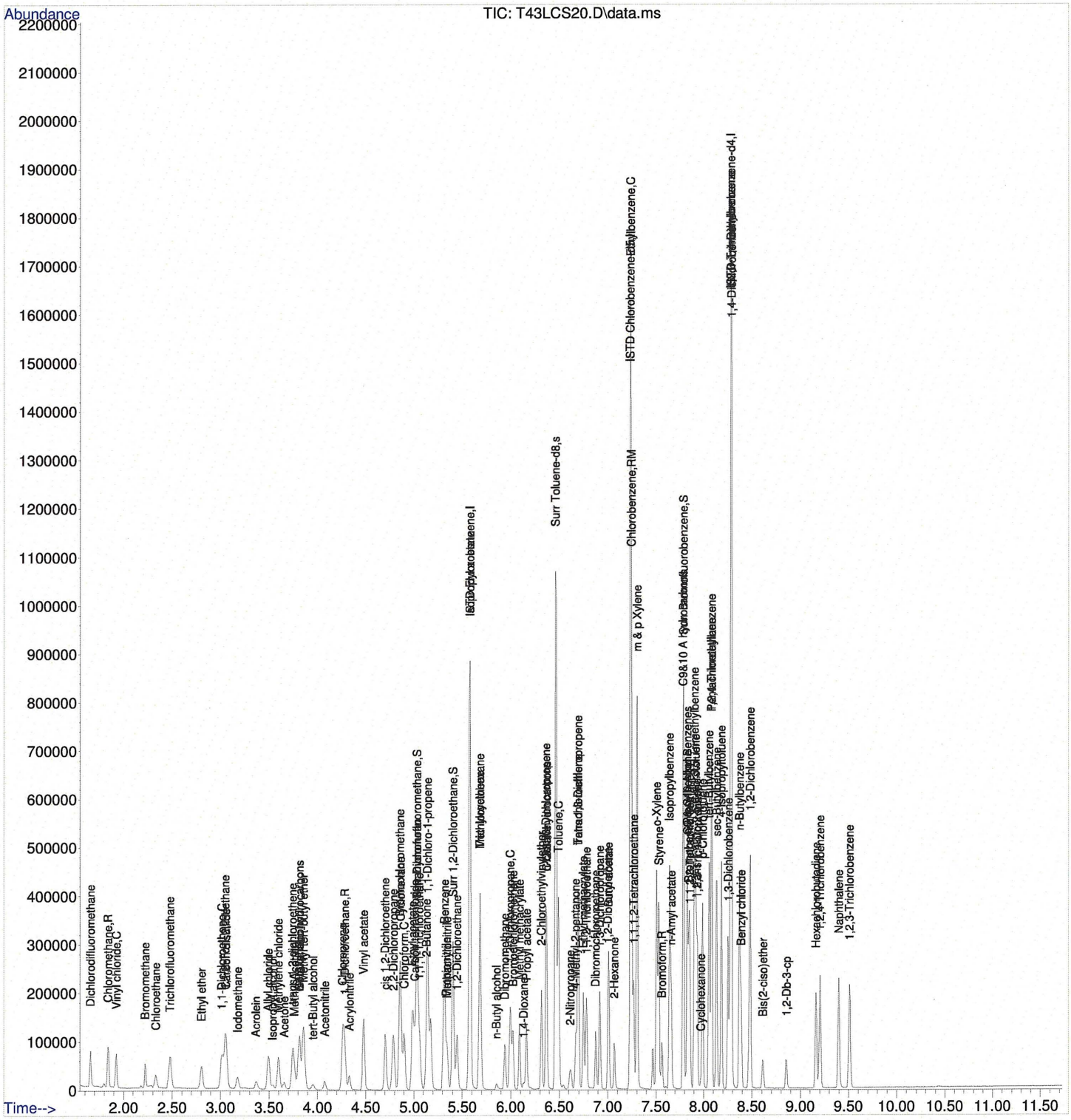
Quant Time: May 14 11:20:49 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\12MAY12\
Data File : T43LCS20.D
Acq On : 12 May 2012 7:46 pm
Operator :
Sample : LCS VOC 051212A
Misc : LCS SEE COVERSHEET FOR ID AND AMOUNTS AAP
ALS Vial : 3 Sample Multiplier: 1

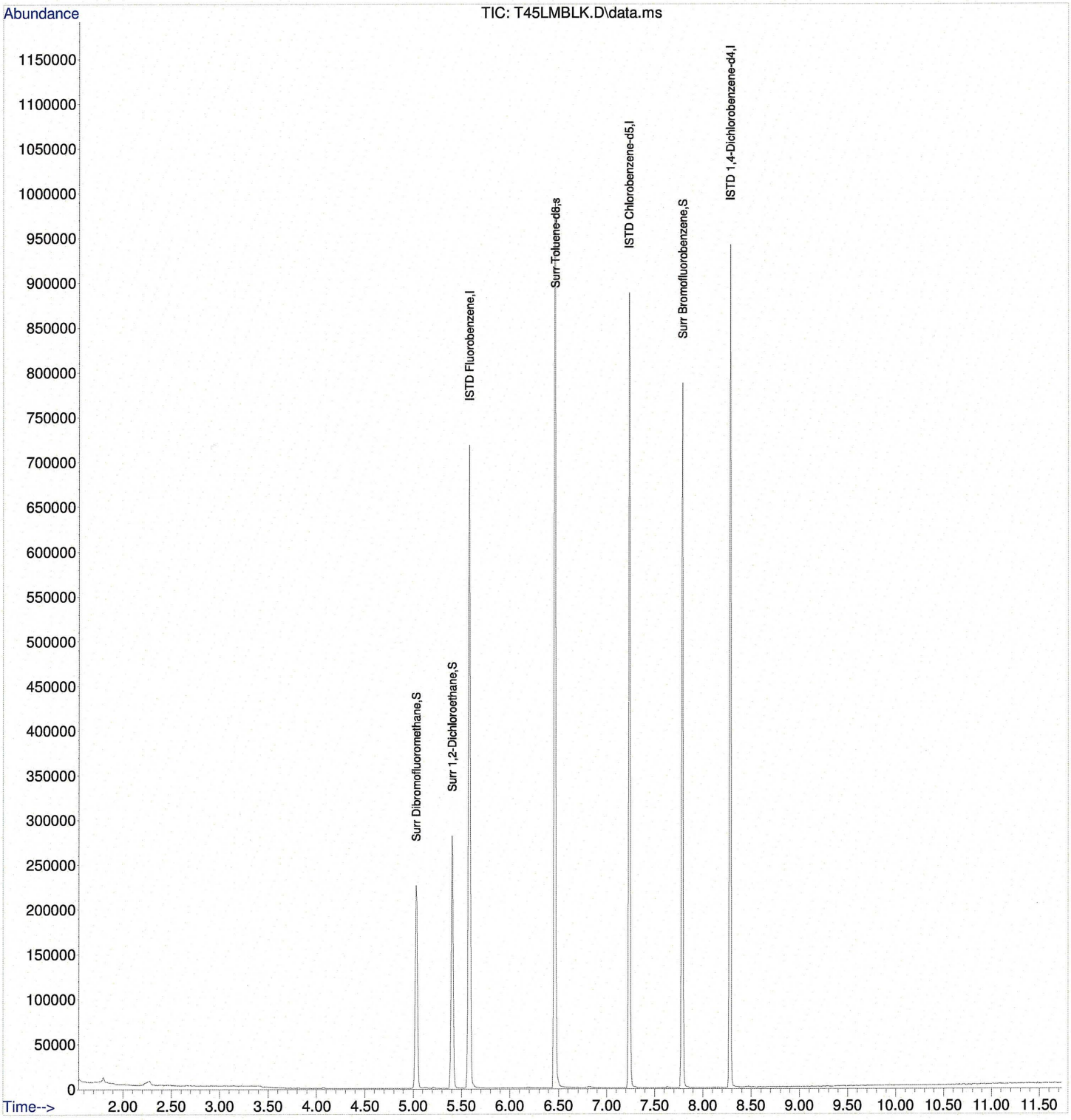
Quant Time: May 14 10:52:43 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\12MAY12\
Data File : T45LMBLK.D
Acq On : 12 May 2012 8:24 pm
Operator :
Sample : MB VOC 051212A
Misc : MBLK 5.0ML AAP
ALS Vial : 5 Sample Multiplier: 1

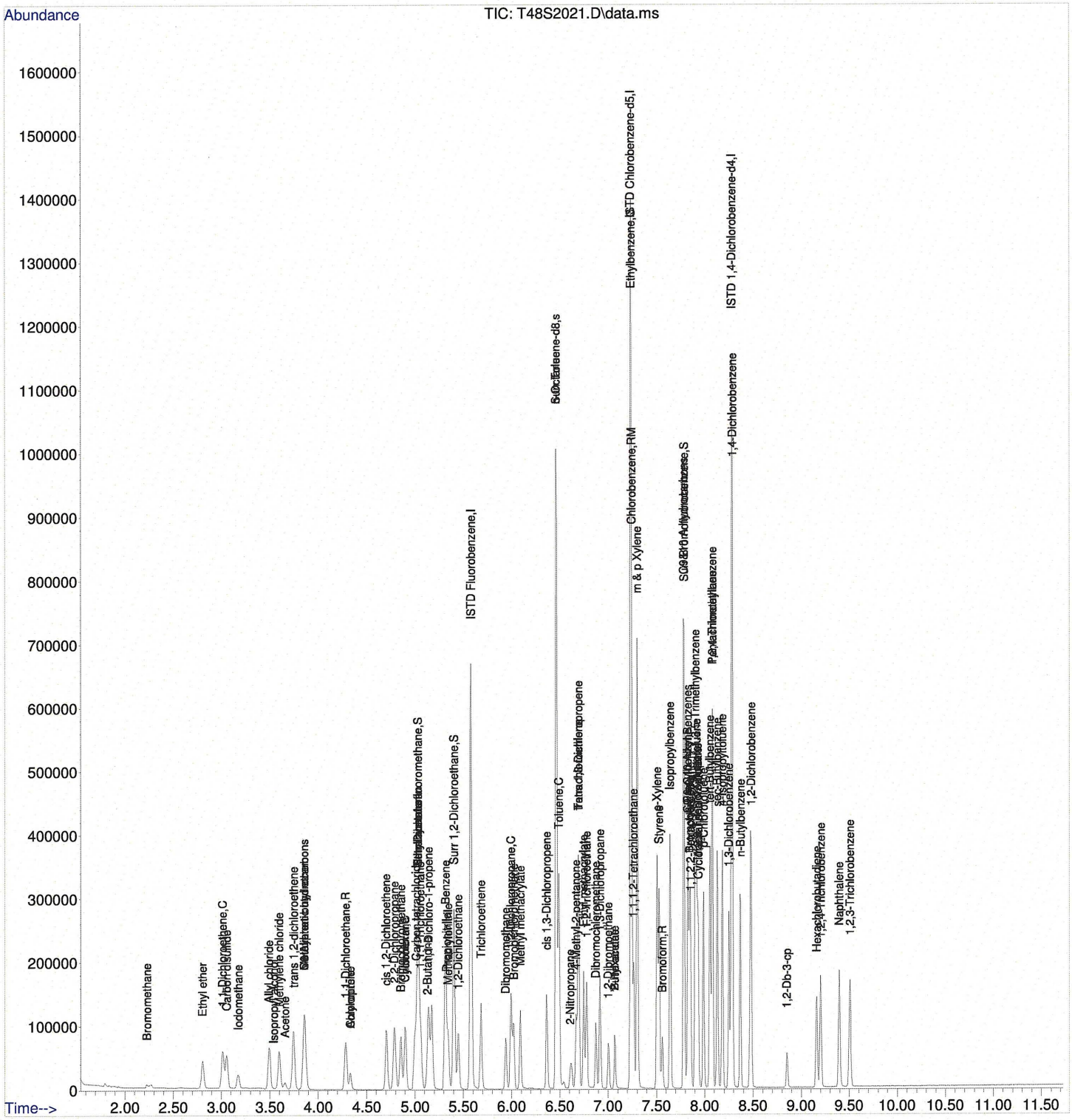
Quant Time: May 14 11:00:33 2012
Quant Method : C:\msdchem\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\12MAY12\
Data File : T48S2021.D
Acq On : 12 May 2012 9:21 pm
Operator :
Sample : 1205202-001AMS
Misc : MS 5.0ML 2 OF 3 AAP
ALS Vial : 8 Sample Multiplier: 1

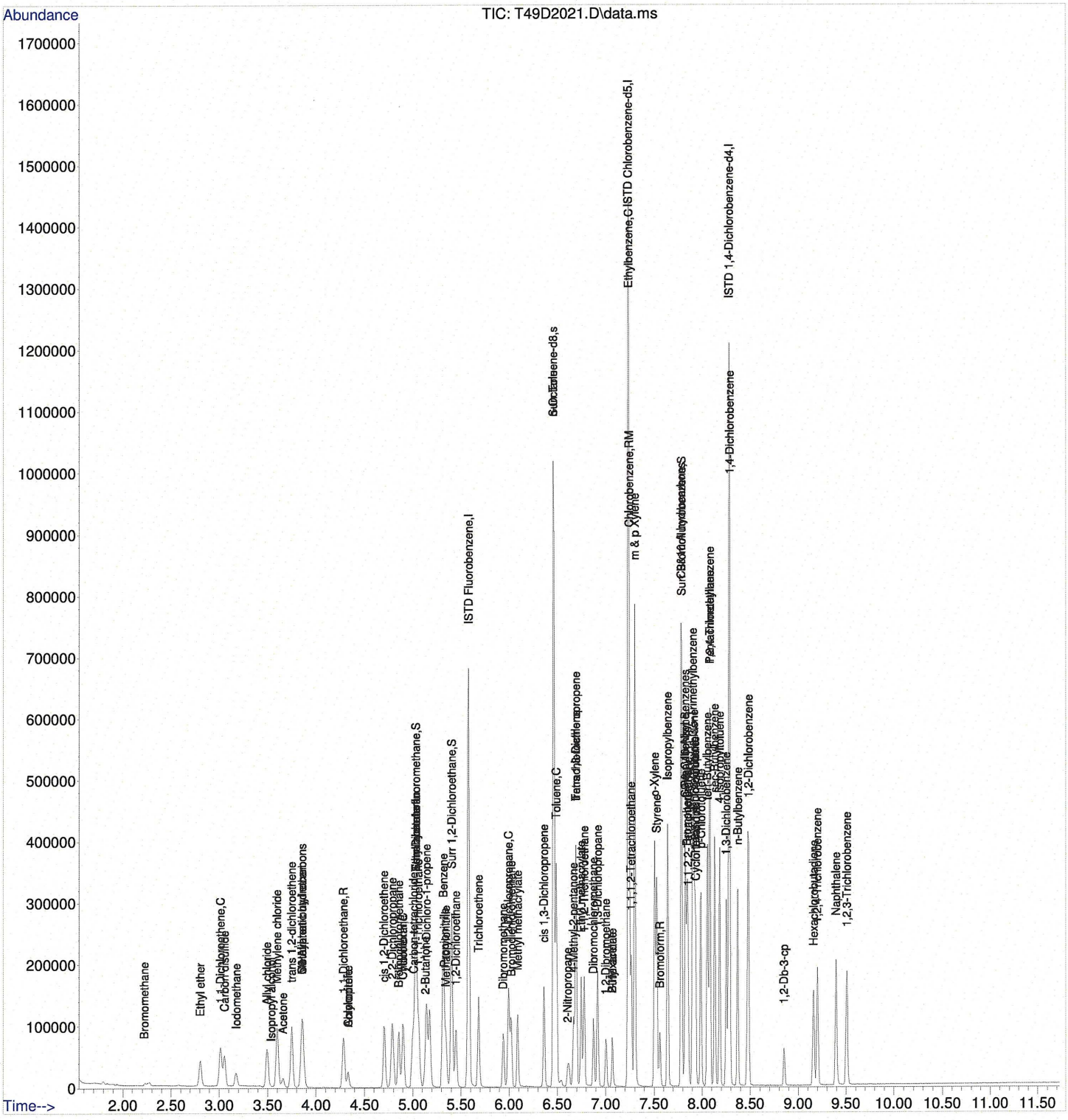
Quant Time: May 14 11:06:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\12MAY12\
Data File : T49D2021.D
Acq On : 12 May 2012 9:40 pm
Operator :
Sample : 1205202-001AMSD
Misc : MSD 5.0ML 3 OF 3 AAP
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 14 11:14:58 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: 1205202
Page 1 of 1 5/11/2012

Client: Denison Mines
Client ID: DEN100 **Contact:** Jo Ann Tischler
Project: Semi Annual 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.;

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1205202-001A	MW-02_05092012	5/9/2012 0845h	5/11/2012 1300h	5/22/2012	Aqueous	8260-W	☑	VOCFridge	3
1205202-002A	MW-05_05092012	5/9/2012 1450h				8260-W	☑	VOCFridge	
1205202-003A	MW-11_05082012	5/8/2012 1440h				8260-W	☑	VOCFridge	
1205202-004A	MW-12_05102012	5/10/2012 0700h				8260-W	☑	VOCFridge	
1205202-005A	MW-14_05092012	5/9/2012 0920h				8260-W	☑	VOCFridge	
1205202-006A	MW-15_05092012	5/9/2012 1245h				8260-W	☑	VOCFridge	
1205202-007A	MW-24_05102012	5/10/2012 0630h				8260-W	☑	VOCFridge	
1205202-008A	MW-28_05082012	5/8/2012 0945h				8260-W	☑	VOCFridge	
1205202-009A	MW-29_05082012	5/8/2012 1235h				8260-W	☑	VOCFridge	
1205202-010A	MW-36_05082012	5/8/2012 0800h				8260-W	☑	VOCFridge	
1205202-011A	Trip Blank	5/8/2012				8260-W	☑	VOCFridge	

DENISON MINES

Sheet 1 of 1

1205202

CHAIN OF CUSTODY

Samples Shipped to: American West Analytical Lab
463 West 3600 South
Salt Lake City, Ut 84115

Contact: Garrin Palmer or David Turk
Ph: 435 678 2221
gpalmer@denisonmines.com
dturk@denisonmines.com
tholliday@denisonmines.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
Semiannual Ground Water 2012	Tanner Holliday	Tanner Holliday

	Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
1	MW-02_05092012	5/9/2012	845	THF
2	MW-05_05092012	5/9/2012	1450	THF
3	MW-11_05082012	5/8/2012	1440	THF
4	MW-12_05102012	5/10/2012	700	THF
5	MW-14_05092012	5/9/2012	920	THF
6	MW-15_05092012	5/9/2012	1245	THF
7	MW-24_05102012	5/10/2012	630	THF
8	MW-28_05082012	5/8/2012	945	THF
9	MW-29_05082012	5/8/2012	1235	THF
10	MW-36_05082012	5/8/2012	800	THF
11	Trip Blank	5/8/2012		THF

Please notify Garrin Palmer or Tanner Holliday of Reciept tempature on these samples Immediately! Thank you.

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	5/10/2012 1100		
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
		Elaina Day	5/11/12 1300

Lab Set ID: 1205202

Samples Were:	COC Tape Was:	Container Type:	No. Rec.
☒ Shipped By: Fed-X	**Present on Outer Package**	☒ AWAL Supplied Plastic	
☐ Hand Delivered	☒ Yes ☐ No ☐ N/A	☐ AWAL Supplied Clear Glass	
☐ Ambient	**Unbroken on Outer package**	☐ AWAL Supplied Amber Glass	
☒ Chilled	☒ Yes ☐ No ☐ N/A	☐ AWAL Supplied VOA/TOC/TOX Vials	
Temperature 3.5 °C	**Present on Sample**	☐ Amber ☐ Clear ☐ Headspace ☐ No Headspace	
Rec. Broken/Leaking ☐ Yes ☒ No ☐ N/A	☐ Yes ☐ No ☒ N/A	☐ Non AWAL Supplied Container	
Notes:	**Unbroken on Sample**	**Notes:**	
	☐ Yes ☐ No ☒ N/A	5/11/12	
Properly Preserved ☒ Yes ☐ No ☐ N/A	**Notes:**		
Notes:			
Rec. Within Hold ☒ Yes ☐ No		**Discrepancies Between Labels and COC** ☐ Yes ☒ No	
Notes:		**Notes:**	

Bottle Type	Preservative	All pHs OK
Ammonia	pH <2 H_2SO_4	
COD	pH <2 H_2SO_4	
Cyanide	PH >12 NaOH	
Metals	pH <2 HNO_3	
NO_2 & NO_3	pH <2 H_2SO_4	
Nutrients	pH <2 H_2SO_4	
O & G	pH <2 HCL	
Phenols	pH <2 H_2SO_4	
Sulfide	pH > 9NaOH, ZnAC	
TKN	pH <2 H_2SO_4	
TOC	pH <2 H_3PO_4	
T PO_4	pH <2 H_2SO_4	
TPH	pH <2 HCL	

5/11/12

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

American West
ANALYTICAL LABORATORIES

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Jo Ann Tischler
Denison Mines
1050 17th Street, # 950
Denver, CO 80265
TEL: (303) 389-4132

RE: Semiannual Ground Water 2012

Dear Jo Ann Tischler: Lab Set ID: 1205319

American West Analytical Laboratories received 6 sample(s) on 5/18/2012 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is accredited by The NELAC Institute in Utah and Texas; and is state accredited in Colorado, Idaho, and Missouri. Accreditation documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou=Quality Assurance Officer, email=jose@awal-labs.com, c=US
Date: 2012.05.24 15:24:44 -06'00'

Laboratory Director or designee

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

SAMPLE SUMMARY

Client: Denison Mines
Project: Semiannual Ground Water 2012
Lab Set ID: 1205319
Date Received: 5/18/2012 1000h

Contact: Jo Ann Tischler

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1205319-001A	MW-03_05142012	5/14/2012 1430h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205319-002A	MW-03A_05152012	5/15/2012 1000h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205319-003A	MW-19_05162012	5/16/2012 900h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205319-004A	MW-23_05162012	5/16/2012 1030h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205319-005A	MW-70_05162012	5/16/2012 900h	Aqueous	VOA by GC/MS Method 8260C/5030C
1205319-006A	Trip Blank	5/14/2012	Aqueous	VOA by GC/MS Method 8260C/5030C

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Denison Mines
Contact:	Jo Ann Tischler
Project:	Semiannual Ground Water 2012
Lab Set ID:	1205319

Sample Receipt Information:

Date of Receipt:	5/18/2012
Date(s) of Collection:	5/14 – 5/16/2012
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Tetrahydrofuran

General Set Comments: Tetrahydrofuran was not observed above its reporting limit.

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: 1205319
Project: Semiannual 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 051812A	Tetrahydrofuran	µg/L	SW8260C	15.3	20.00	0	76.3	43-146				5/18/2012 803h
LCS VOC 051812A	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	56.1	50.00		112	76-138				5/18/2012 803h
LCS VOC 051812A	Surr: 4-Bromofluorobenzene	%REC	SW8260C	47.9	50.00		95.8	77-121				5/18/2012 803h
LCS VOC 051812A	Surr: Dibromofluoromethane	%REC	SW8260C	51.2	50.00		102	67-128				5/18/2012 803h
LCS VOC 051812A	Surr: Toluene-d8	%REC	SW8260C	49.8	50.00		99.6	81-135				5/18/2012 803h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1205319
Project: Semiannual 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 051812A	Tetrahydrofuran	µg/L	SW8260C	< 1.00				-				5/18/2012 841h
MB VOC 051812A	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	56.6	50.00		113	76-138				5/18/2012 841h
MB VOC 051812A	Surr: 4-Bromofluorobenzene	%REC	SW8260C	48.8	50.00		97.7	77-121				5/18/2012 841h
MB VOC 051812A	Surr: Dibromofluoromethane	%REC	SW8260C	49.7	50.00		99.4	67-128				5/18/2012 841h
MB VOC 051812A	Surr: Toluene-d8	%REC	SW8260C	50.7	50.00		101	81-135				5/18/2012 841h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1205319
Project: Semiannual 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
1205319-001AMS	Tetrahydrofuran	µg/L	SW8260C	15.0	20.00	0	75.0	43-146				5/18/2012 1332h
1205319-001AMS	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	59.0	50.00		118	72-151				5/18/2012 1332h
1205319-001AMS	Surr: 4-Bromofluorobenzene	%REC	SW8260C	49.4	50.00		98.7	80-128				5/18/2012 1332h
1205319-001AMS	Surr: Dibromofluoromethane	%REC	SW8260C	51.0	50.00		102	80-124				5/18/2012 1332h
1205319-001AMS	Surr: Toluene-d8	%REC	SW8260C	49.6	50.00		99.2	77-129				5/18/2012 1332h

l analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any mber of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1205319
Project: Semiannual Ground Water 2012

Contact: Jo Ann Tischler
Dept: MSVOA
QC Type: MSD

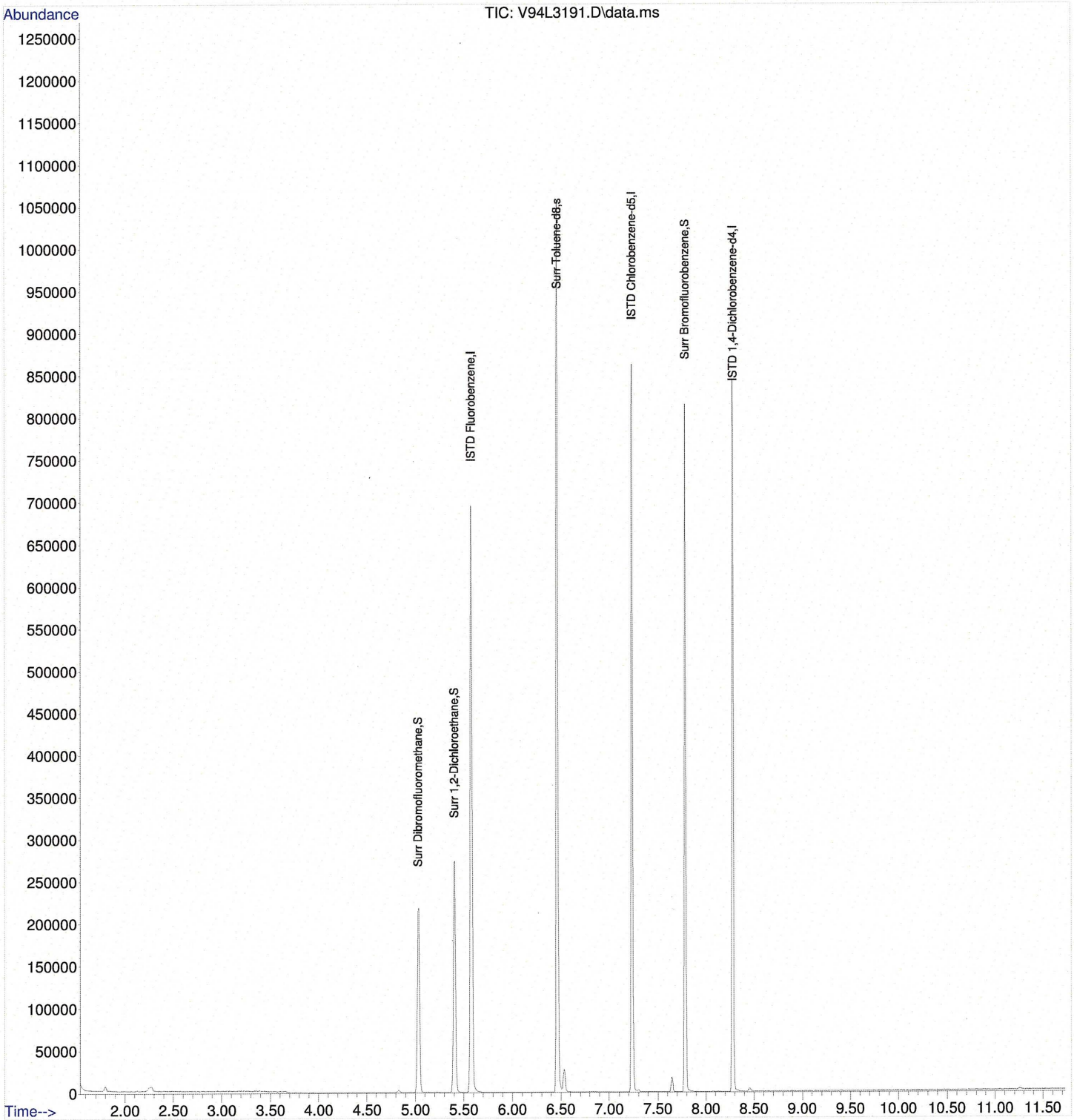
Sample ID	Analyte	Units	Method	Result	Amount Spiked	Original Amount	%REC	Limits	%RPD	RPD Limit	Qual	Date Analyzed
1205319-001AMSD	Tetrahydrofuran	µg/L	SW8260C	14.9	20.00	0	74.6	43-146	0.601	25		5/18/2012 1351h
1205319-001AMSD	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	58.0	50.00		116	72-151				5/18/2012 1351h
1205319-001AMSD	Surr: 4-Bromofluorobenzene	%REC	SW8260C	48.0	50.00		96.1	80-128				5/18/2012 1351h
1205319-001AMSD	Surr: Dibromofluoromethane	%REC	SW8260C	50.8	50.00		102	80-124				5/18/2012 1351h
1205319-001AMSD	Surr: Toluene-d8	%REC	SW8260C	49.3	50.00		98.6	77-129				5/18/2012 1351h

analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\18MAY12\
Data File : V94L3191.D
Acq On : 18 May 2012 1:13 pm
Operator :
Sample : 1205319-001A
Misc : SAMP 5.0ML 1 OF 3 SB
ALS Vial : 19 Sample Multiplier: 1

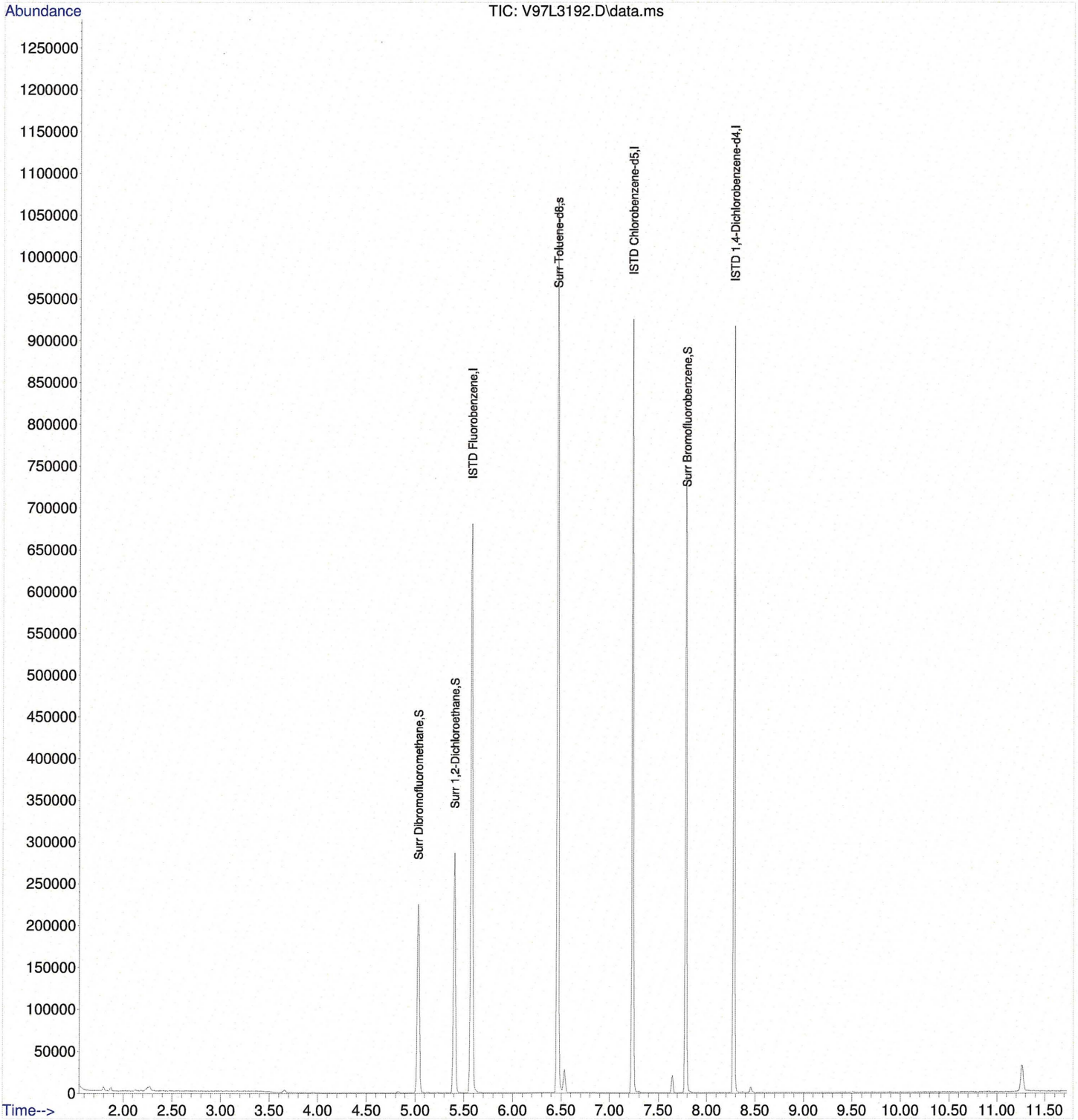
Quant Time: May 21 06:22:01 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\18MAY12\
Data File : V97L3192.D
Acq On : 18 May 2012 2:10 pm
Operator :
Sample : 1205319-002A
Misc : SAMP 5.0ML 1 OF 3 SB
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 21 06:26:23 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration

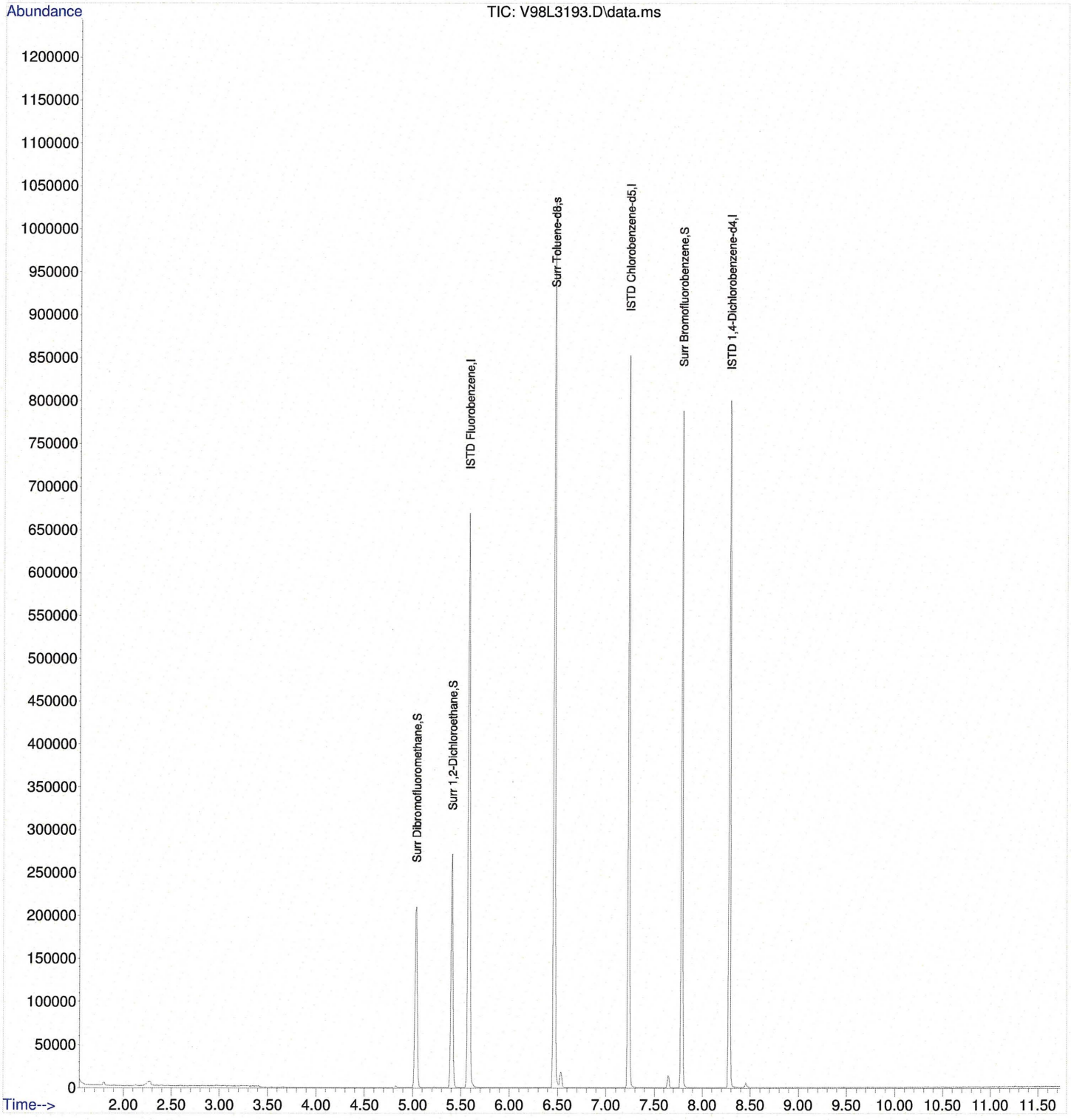


AFULLW_56.M Mon May 21 06:42:45 2012 Page 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\18MAY12\
Data File : V98L3193.D
Acq On : 18 May 2012 2:29 pm
Operator :
Sample : 1205319-003A
Misc : SAMP 5.0ML 1 OF 3 SB
ALS Vial : 23 Sample Multiplier: 1

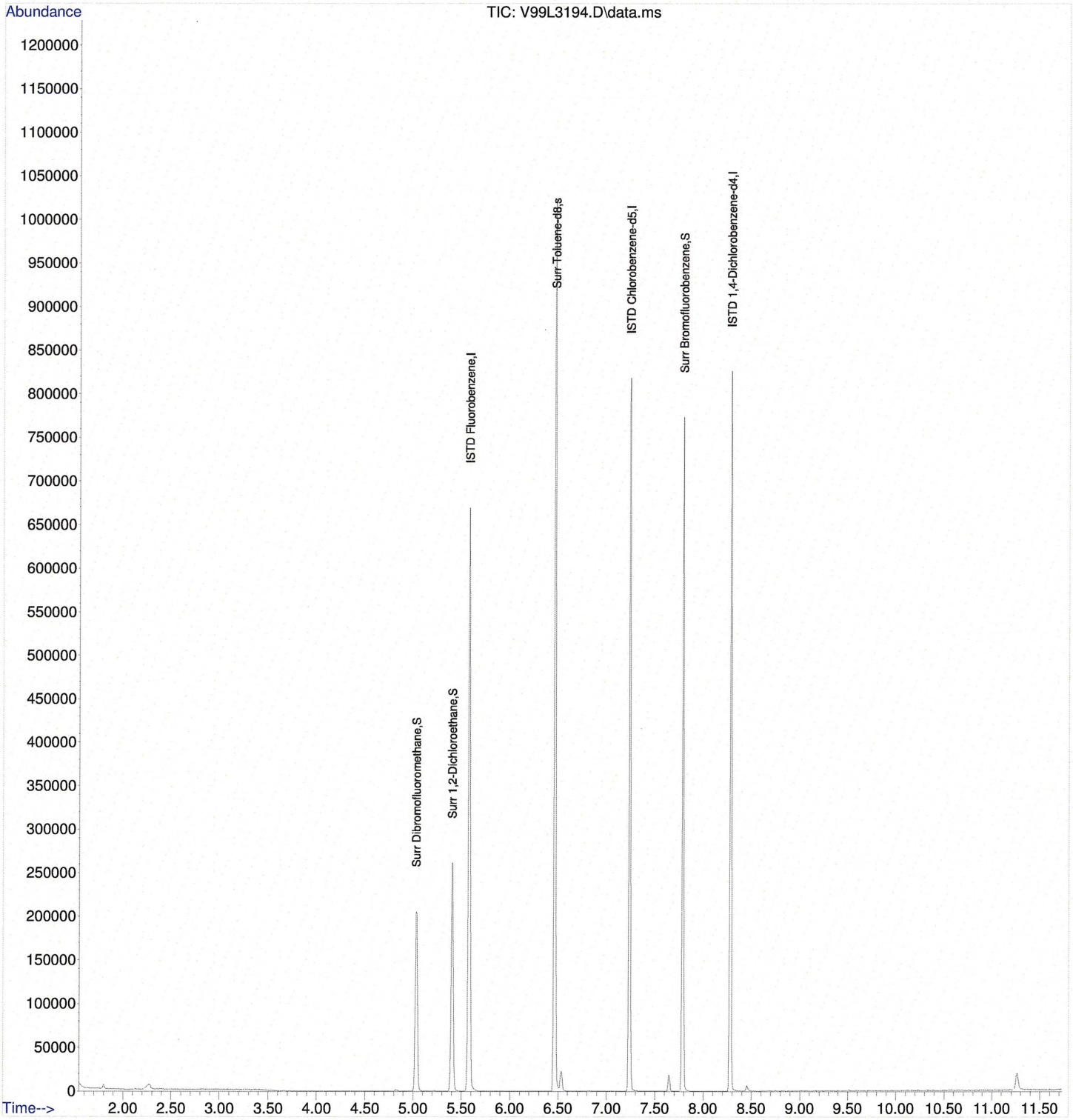
Quant Time: May 21 06:26:58 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\18MAY12\
Data File : V99L3194.D
Acq On : 18 May 2012 2:48 pm
Operator :
Sample : 1205319-004A
Misc : SAMP 5.0ML 1 OF 3 SB
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 21 06:27:37 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration

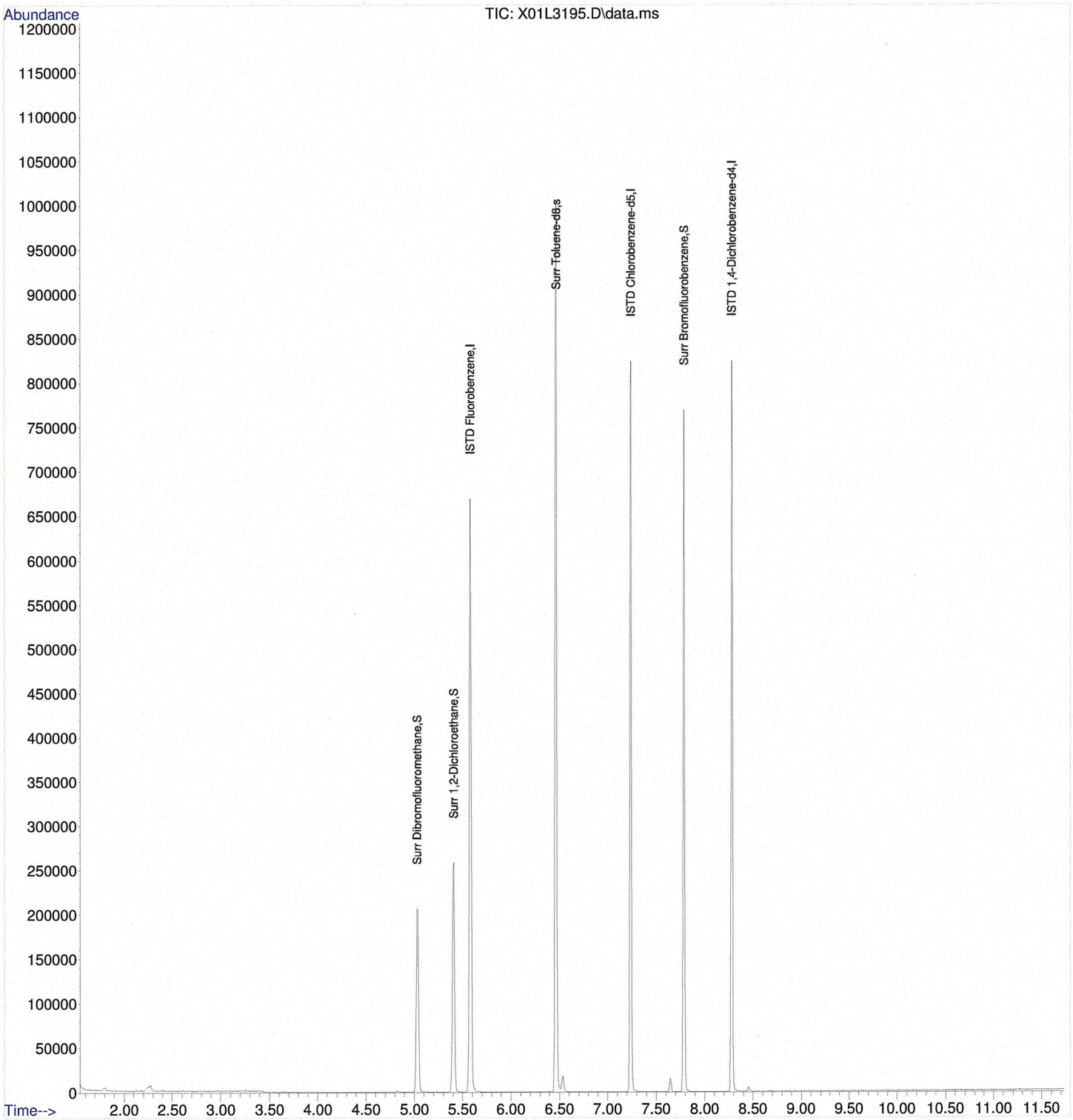


AFULLW_56.M Mon May 21 06:43:13 2012

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\18MAY12\
Data File : X01L3195.D
Acq On : 18 May 2012 3:07 pm
Operator :
Sample : 1205319-005A
Misc : SAMP 5.0ML 1 OF 3 SB
ALS Vial : 25 Sample Multiplier: 1

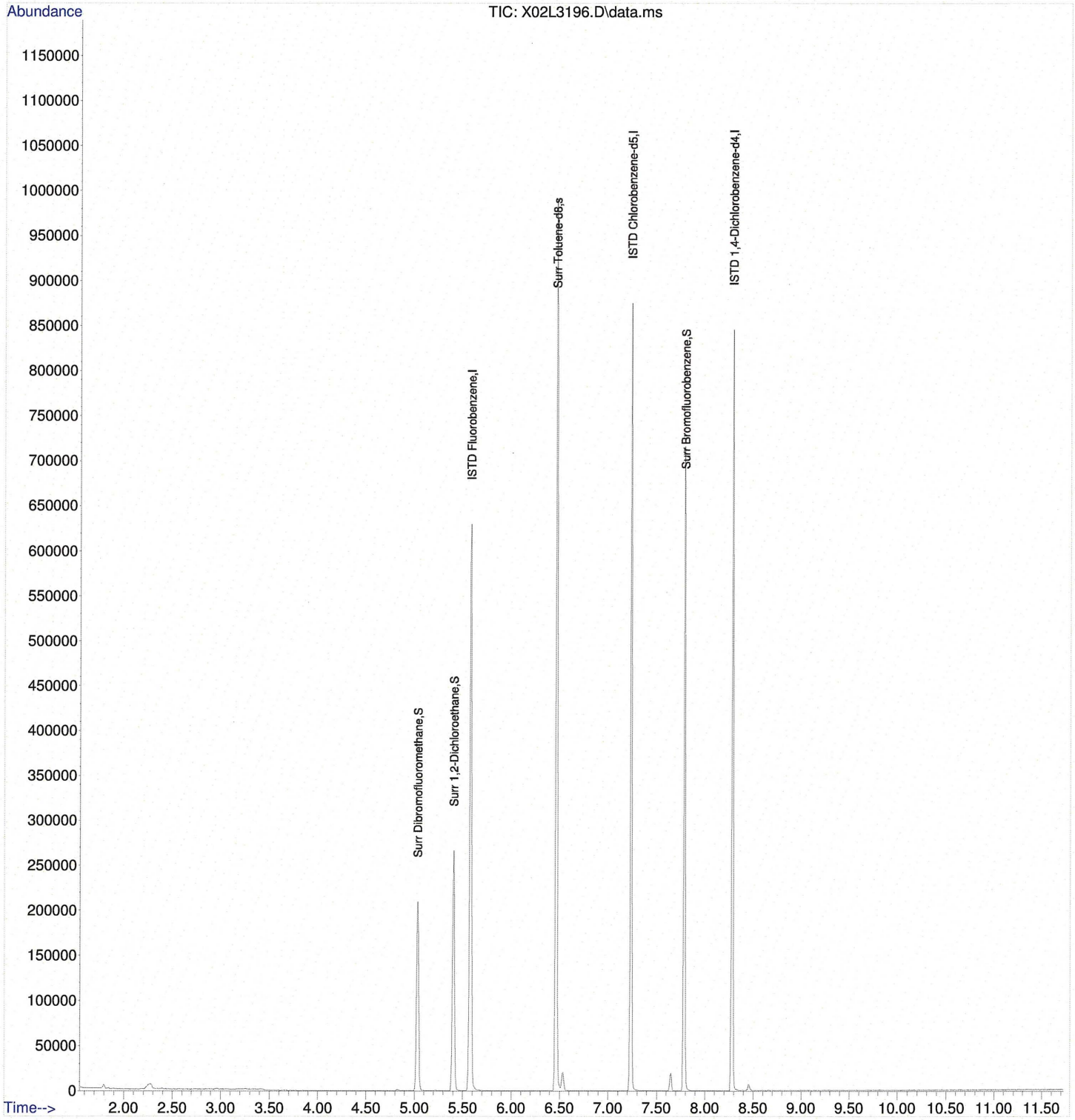
Quant Time: May 21 06:28:06 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\18MAY12\
Data File : X02L3196.D
Acq On : 18 May 2012 3:26 pm
Operator :
Sample : 1205319-006A
Misc : SAMP 5.0ML 1 OF 3 SB
ALS Vial : 26 Sample Multiplier: 1

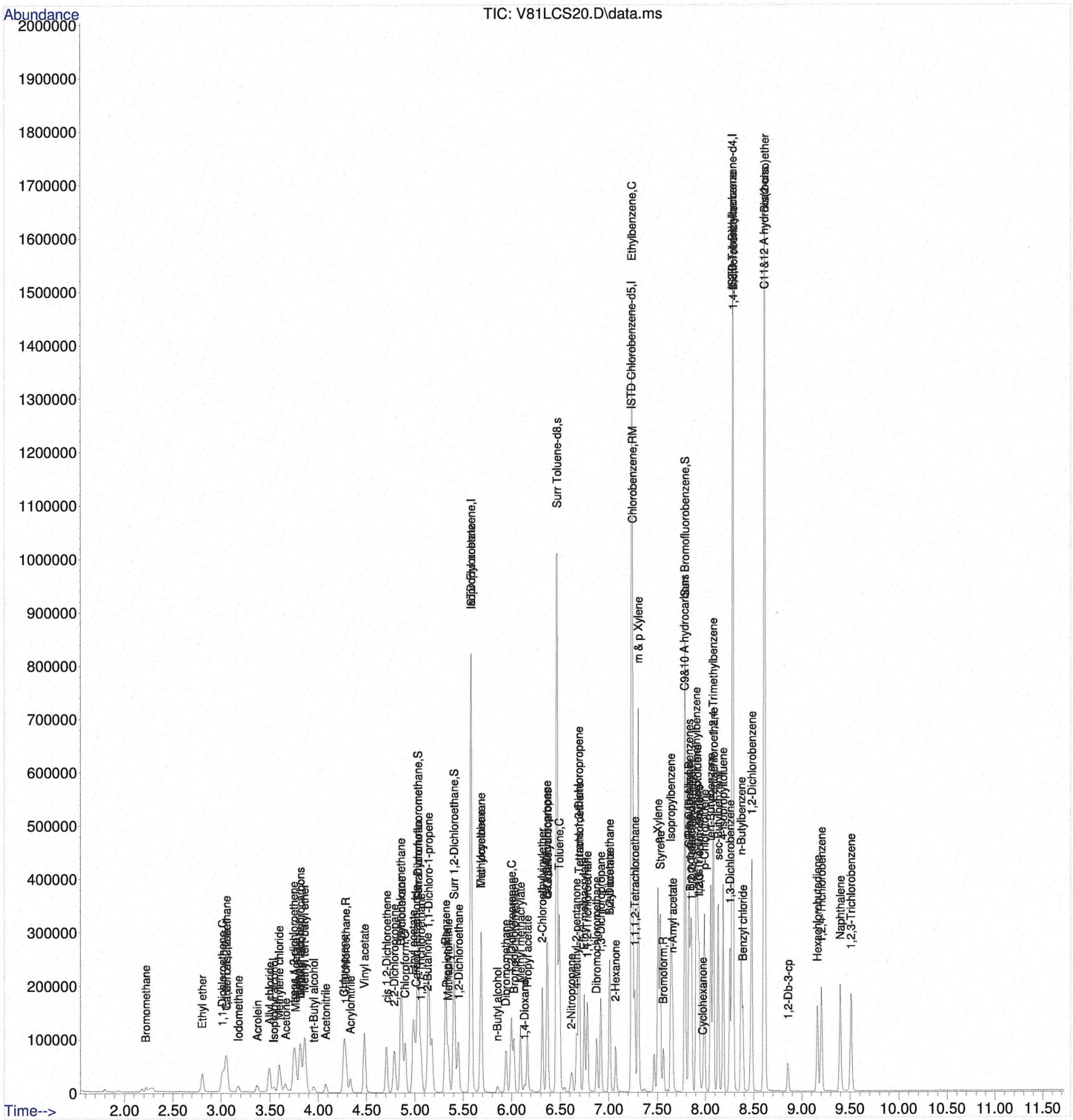
Quant Time: May 21 06:28:40 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\18MAY12\
Data File : V81LCS20.D
Acq On : 18 May 2012 8:03 am
Operator :
Sample : LCS VOC 051812A
Misc : LCS SEE COVERSHEET FOR ID AND AMOUNTS SB
ALS Vial : 3 Sample Multiplier: 1

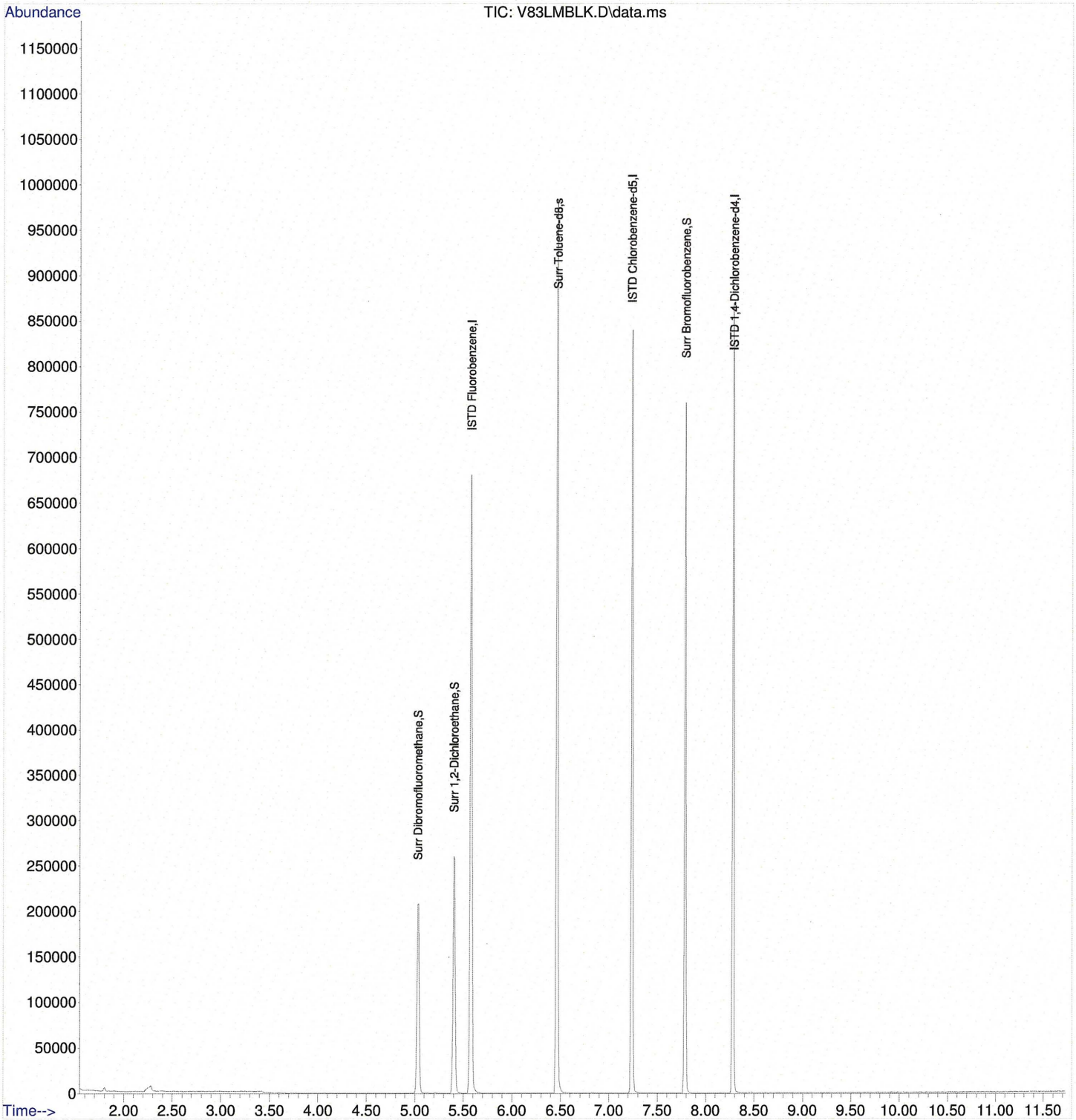
Quant Time: May 18 08:18:41 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\18MAY12\
Data File : V83LMBLK.D
Acq On : 18 May 2012 8:41 am
Operator :
Sample : MB VOC 051812A
Misc : MBLK 5.0ML SB
ALS Vial : 5 Sample Multiplier: 1

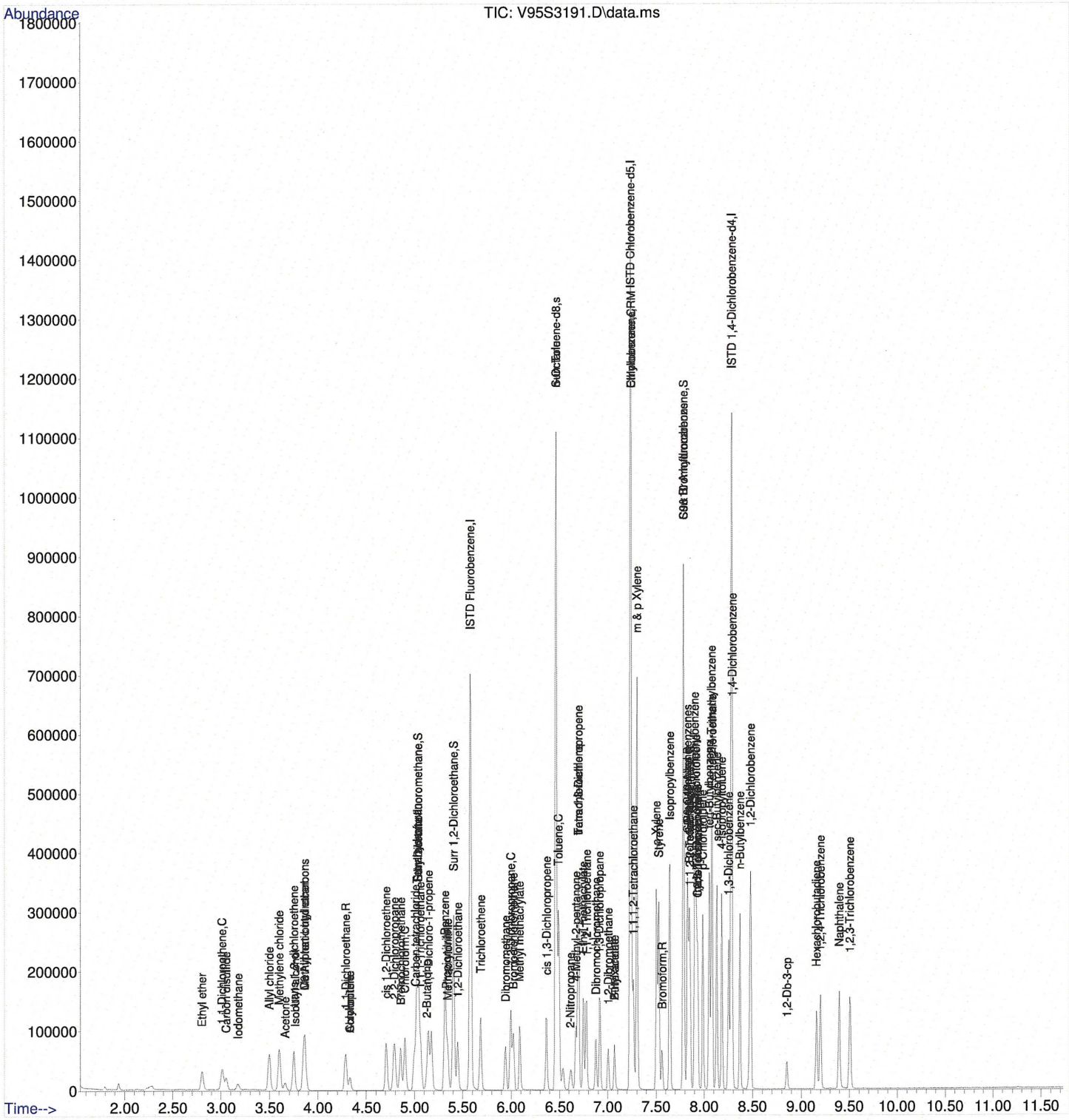
Quant Time: May 18 09:01:37 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\18MAY12\
Data File : V95S3191.D
Acq On : 18 May 2012 1:32 pm
Operator :
Sample : 1205319-001AMS
Misc : MS 5.0ML 2 OF 3 SB
ALS Vial : 20 Sample Multiplier: 1

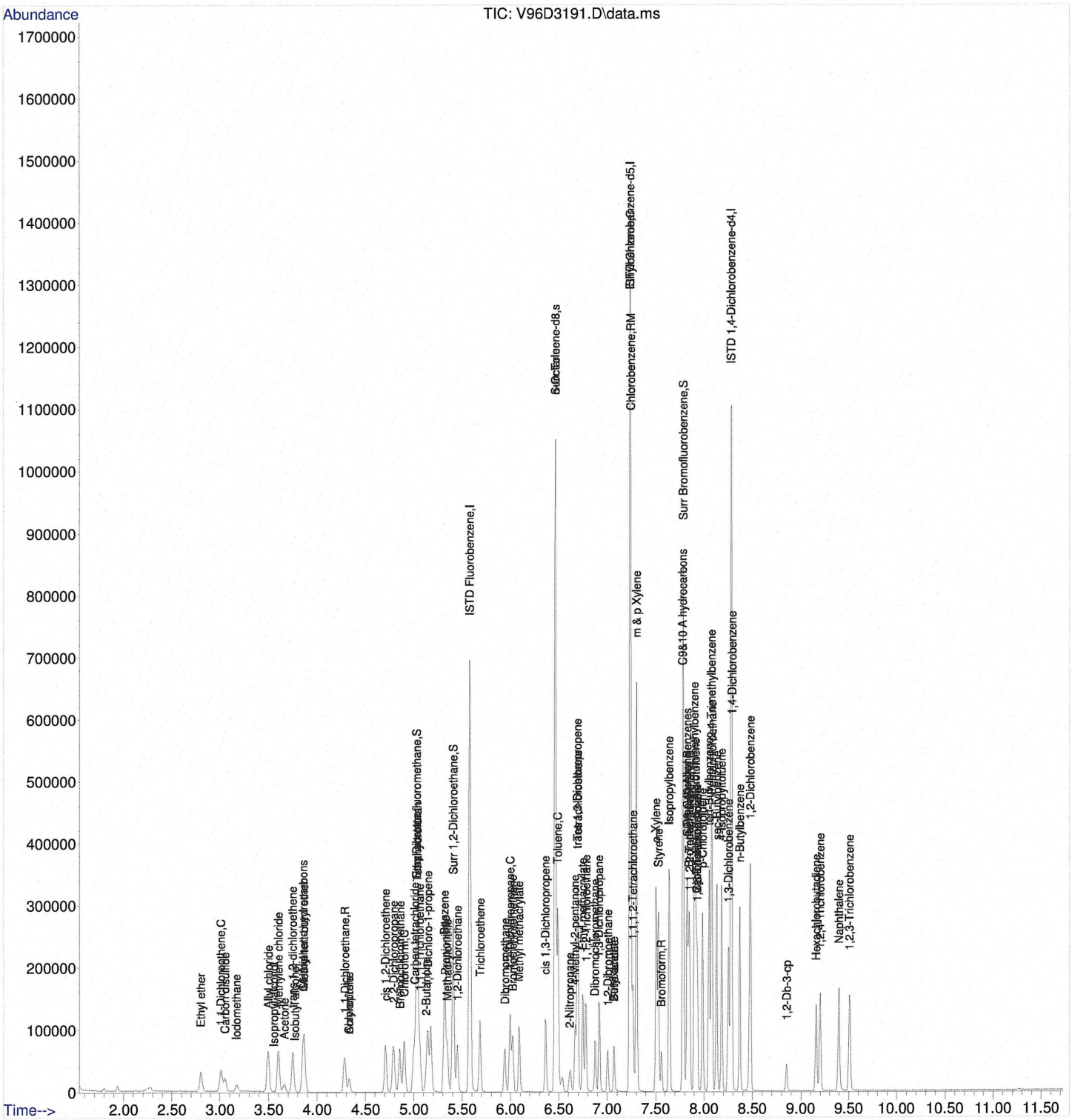
Quant Time: May 21 06:24:14 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\MAY12-C\18MAY12\
Data File : V96D3191.D
Acq On : 18 May 2012 1:51 pm
Operator :
Sample : 1205319-001AMSD
Misc : MSD 5.0ML 3 OF 3 SB
ALS Vial : 21 Sample Multiplier: 1

Quant Time: May 21 06:25:21 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_56.M
Quant Title : VOA Calibration
QLast Update : Mon Apr 30 10:02:22 2012
Response via : Initial Calibration



American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: 1205319
Page 1 of 1 5/24/2012

Client: Denison Mines
Client ID: DEN100 **Contact:** Jo Ann Tischler
Project: Semiannual 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.;

DB

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1205319-001A	MW-03_05142012	5/14/2012 1430h	5/18/2012 1000h	5/30/2012	Aqueous	8260-W	☑	VOCFridge	3
1205319-002A	MW-03A_05152012	5/15/2012 1000h				8260-W	☑	VOCFridge	
1205319-003A	MW-19_05162012	5/16/2012 0900h				8260-W	☑	VOCFridge	
1205319-004A	MW-23_05162012	5/16/2012 1030h				8260-W	☑	VOCFridge	
1205319-005A	MW-70_05162012	5/16/2012 0900h				8260-W	☑	VOCFridge	
1205319-006A	Trip Blank	5/14/2012				8260-W	☑	VOCFridge	

1205319

DENISON MINES

Sheet 1 of 1

CHAIN OF CUSTODY

Samples Shipped to: American West Analytical Lab
463 West 3600 South
Salt Lake City, Ut 84115

Contact: Garrin Palmer or David Turk
Ph: 435 678 2221
gpalmer@denisonmines.com
dturk@denisonmines.com
tholliday@denisonmines.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
Semiannual Ground Water 2012	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-03_05142012	5/14/2012	1430	THF
MW-03A_05152012	5/15/2012	1000	THF
MW-19_05162012 *	5/16/2012	900	THF
MW-23_05162012	5/16/2012	1030	THF
MW-70_05162012 *	5/16/2012	900	THF
TRIP BLANK	5/14/2012		THF

Please notify Garrin Palmer or Tanner Holliday of Reciept tempature on these samples Immediately! Thank you.

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	5/17/2012 1100		
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
		Denise Brewer	5/18/12 10:00

* one vial received broken

QC-3
Standard TAT
(per project standard DRD 5/18/12)

4.0°C

Lab Set ID: 1205319

Samples Were:	COC Tape Was:	Container Type:	No. Rec.
☑ Shipped By: UPS	**Present on Outer Package**	☐ AWAL Supplied Plastic	
☐ Hand Delivered	☑ Yes ☐ No ☐ N/A	☐ AWAL Supplied Clear Glass	
☐ Ambient	**Unbroken on Outer package**	☐ AWAL Supplied Amber Glass	
☑ Chilled	☑ Yes ☐ No ☐ N/A	☐ AWAL Supplied VOA/TOC/TOX Vials	
Temperature 4.0 °C	**Present on Sample**	☐ Amber ☐ Clear ☐ Headspace ☐ No Headspace	
Rec. Broken/Leaking ☑ Yes ☐ No ☐ N/A	☐ Yes ☑ No ☐ N/A	☐ Non AWAL Supplied Container	
Notes: #3 & 5 had one broken vial when received.	**Unbroken on Sample** ☐ Yes ☐ No ☑ N/A	**Notes:** DB 5/18/12	
Properly Preserved ☑ Yes ☐ No ☐ N/A	**Notes:**		
Notes:		**Discrepancies Between Labels and COC** ☐ Yes ☑ No	
Rec. Within Hold ☑ Yes ☐ No		**Notes:**	
Notes:			

DB 5/18/12

Bottle Type	Preservative	All pHs OK														
Ammonia	pH <2 H_2SO_4															
COD	pH <2 H_2SO_4															
Cyanide	PH >12 NaOH															
Metals	pH <2 HNO_3															
NO_2 & NO_3	pH <2 H_2SO_4															
Nutrients	pH <2 H_2SO_4															
O & G	pH <2 HCL															
Phenols	pH <2 H_2SO_4															
Sulfide	pH > 9NaOH, ZnAC															
TKN	pH <2 H_2SO_4															
TOC	pH <2 H_3PO_4															
T PO_4	pH <2 H_2SO_4															
TPH	pH <2 HCL															

DB 5/18/12

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

American West
ANALYTICAL LABORATORIES

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Garrin Palmer
Denison Mines
1050 17th Street, # 950
Denver, CO 80265
TEL: (303) 389-4132

RE: Semiannual Ground Water 2012

Dear Garrin Palmer: Lab Set ID: 1205499

American West Analytical Laboratories received 5 sample(s) on 5/30/2012 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is accredited by The NELAC Institute in Utah and Texas; and is state accredited in Colorado, Idaho, and Missouri. Accreditation documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou=Quality Assurance Officer, email=jose@awal-labs.com, c=US
Date: 2012.06.12 09:28:10 -06'00'

Laboratory Director or designee

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

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

SAMPLE SUMMARY

Client: Denison Mines
Project: Semiannual Ground Water 2012
Lab Set ID: 1205499
Date Received: 5/30/2012 0930h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1205499-001A	MW-03_05142012	5/14/2012 1430h	Aqueous	ICPMS Metals, Dissolved
1205499-002A	MW-03A_05152012	5/15/2012 1000h	Aqueous	ICPMS Metals, Dissolved
1205499-003A	MW-19_05162012	5/16/2012 0900h	Aqueous	ICPMS Metals, Dissolved
1205499-004A	MW-23_05162012	5/16/2012 1030h	Aqueous	ICPMS Metals, Dissolved
1205499-005A	MW-70_05162012	5/16/2012 0900h	Aqueous	ICPMS Metals, Dissolved

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

Inorganic Case Narrative

Client:	Denison Mines
Contact:	Garrin Palmer
Project:	Semiannual Ground Water 2012
Lab Set ID:	1205499

463 West 3600 South
Salt Lake City, UT 84115

Phone: (801) 263-8686
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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	5/30/2012
Date of Collection:	5/14, 5/15, & 5/16/2012
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.

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

American West Analytical Laboratories

REVISED
6-8-12

UL
Denison

WORK ORDER Summary

Report as dissolved

Work Order: 1205499

Client: Denison Mines — Page 1 of 1 — 6/8/2012

Client ID: DEN100 **Contact:** Garrin Palmer

Project: Semiannual Ground Water 2012 **QC Level:** LEVEL III **WO Type:** Standard

Comments: PA Rush. QC 3 & Summary. EDD-Denison. CC kathy.weinel@gmail.com. Run Tin by 200.8; no digestion. Report in 100ppb.;

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1205499-001A	MW-03_05142012 **SEL Analytes: SN**	5/14/2012 1430h	5/30/2012 0930h	6/8/2012	Aqueous	200.8-DIS	☑	df - metals	1
1205499-002A	MW-03A_05152012 **SEL Analytes: SN**	5/15/2012 1000h				200.8-DIS	☑	df - metals	
1205499-003A	MW-19_05162012 **SEL Analytes: SN**	5/16/2012 0900h				200.8-DIS	☑	df - metals	
1205499-004A	MW-23_05162012 **SEL Analytes: SN**	5/16/2012 1030h				200.8-DIS	☑	df - metals	
1205499-005A	MW-70_05162012 **SEL Analytes: SN**	5/16/2012 0900h				200.8-DIS	☑	df - metals	

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: 1205499
Page 1 of 1 5/31/2012

Client: Denison Mines
Client ID: DEN100 **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012 **QC Level:** LEVEL III **WO Type:** Standard
Comments: PA Rush. QC 3 & Summary. EDD-Denison. CC kathy.weinel@gmail.com. Run Tin by 200.8; no digestion. Report in 100ppb.;

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1205499-001A	MW-03_05142012	5/14/2012 1430h	5/30/2012 0930h	6/8/2012	Aqueous	200.8-W	☑	df - metals	1
	SEL Analytes: SN								
1205499-002A	MW-03A_05152012	5/15/2012 1000h				200.8-W	☑	df - metals	
	SEL Analytes: SN								
1205499-003A	MW-19_05162012	5/16/2012 0900h				200.8-W	☑	df - metals	
	SEL Analytes: SN								
1205499-004A	MW-23_05162012	5/16/2012 1030h				200.8-W	☑	df - metals	
	SEL Analytes: SN								
1205499-005A	MW-70_05162012	5/16/2012 0900h				200.8-W	☑	df - metals	
	SEL Analytes: SN								

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

1205499

Page 1 of 1

PLEASE PRINT (Provide as much information as possible.)

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
Denison Mines	Semiannual Ground Water 2012	State: UT	Yes ☒ No ☐
Report Mail Address: PO Box 809 Blanding UT 84511	**Contact Name:** Garrin Palmer **Phone/Fax:** 435 678 2221	**Email:**	**Sampler: (Please Print)** Tanner Holliday
Invoice Address: Same	**Invoice Contact & Phone:** David Turk 435 678 2221	**Purchase Order:**	**Quote/Bottle Order:**

Special Report/Formats:

QC 3 ← per Kathy Weinel fw 5/29/12

☐ DW ☐ POTW/WWTP ☐ State: _____ ☐ Other: _____

☒ EDD/EDT (Electronic Data) Format: Locus

☐ LEVEL IV ☐ 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

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Quote # C1640	(Tin 200.8 no digestion) 100 ppb EL	per Kathy Weinel 5/29/12 Jen	Field Filtered, per Kathy Weinel 5/18/12	SEE ATTACHED
1 MW-03_05142012	5/14/12	1430	6-W	X				
2 MW-03A_05152012	5/15/12	1000	6-W	X				
3 MW-19_05162012	5/16/12	0900	6-W	X				
4 MW-23_05162012	5/16/12	1030	6-W	X				
5 MW-70_05162012	5/16/12	0900	6-W	X				
* 6 Trip Blank *6746	5/14/12							
7								
8								
9								
10								

Standard Turnaround (TAT)

R U S H

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

* Not received DJB 5/30/12

Shipped by: Fedex - Ex

Cooler ID(s): client

Receipt Temp 3.2 °C

On Ice: (Y) N

Custody Seal On Bottle X N On Cooler (Y) N

Intact (Y) N

Signature Match (Y) N

LABORATORY USE ONLY C1205028

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Tanner Holliday	5/17/2012 1100	Tanner Holliday	AWAL - Renise Brown	5/30/12 9:30	
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Donna Lewis	5/29/12 14:35				

Received by Laboratory: 5-18-12 **Date/Time:** 16:00 **Signature:** Tracy Fudge

Sample Disposal: Return to Client: _____ Lab Disposal: _____

21.9°c

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.

Lab Set ID: 1205499

DB 5/30/12

Samples Were:	COC Tape Was:	Container Type:	No. Rec.
☑ Shipped By: Fed Ex	**Present on Outer Package**	☐ AWAL Supplied Plastic	
☐ Hand Delivered	☐ Yes ☐ No ☑ N/A	☐ AWAL Supplied Clear Glass	
☑ Ambient	**Unbroken on Outer package**	☐ AWAL Supplied Amber Glass	
☐ Chilled	☐ Yes ☐ No ☑ N/A	☐ AWAL Supplied VOA/TOC/TOX Vials	
Temperature 21.9 °C	**Present on Sample**	☐ Amber ☐ Clear ☐ Headspace ☐ No Headspace	
Rec. Broken/Leaking ☐ Yes ☑ No ☐ N/A	☐ Yes ☐ No ☑ N/A	☐ Non AWAL Supplied Container	
Notes:	**Unbroken on Sample**	**Notes:**	
	☐ Yes ☐ No ☑ N/A		
Properly Preserved ☑ Yes ☐ No ☐ N/A	**Notes:**		
Notes:			
Rec. Within Hold ☑ Yes ☐ No		**Discrepancies Between Labels and COC** ☐ Yes ☑ No	
Notes:		**Notes:**	

DB 5/30/12

Bottle Type	Preservative	All pHs OK
Ammonia	pH <2 H_2SO_4	
COD	pH <2 H_2SO_4	
Cyanide	PH >12 NaOH	
Metals	pH <2 HNO_3	
NO_2 & NO_3	pH <2 H_2SO_4	
Nutrients	pH <2 H_2SO_4	
O & G	pH <2 HCL	
Phenols	pH <2 H_2SO_4	
Sulfide	pH > 9NaOH, ZnAC	
TKN	pH <2 H_2SO_4	
TOC	pH <2 H_3PO_4	
T PO_4	pH <2 H_2SO_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

American West
ANALYTICAL LABORATORIES

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Garrin Palmer
Denison Mines
1050 17th Street, # 950
Denver, CO 80265
TEL: (303) 389-4132

RE: Semiannual Ground Water 2012

Dear Garrin Palmer: Lab Set ID: 1205500

American West Analytical Laboratories received 10 sample(s) on 5/30/2012 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is accredited by The NELAC Institute in Utah and Texas; and is state accredited in Colorado, Idaho, and Missouri. Accreditation documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou=Quality Assurance Officer, email=jose@awal-labs.com, c=US
Date: 2012.06.12 09:30:50 -06'00'

Laboratory Director or designee

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

SAMPLE SUMMARY

Client: Denison Mines
Project: Semiannual Ground Water 2012
Lab Set ID: 1205500
Date Received: 5/30/2012 0930h

Contact: Garrin Palmer

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1205500-001A	MW-02_05092012	5/9/2012	0845h	Aqueous	ICPMS Metals, Dissolved
1205500-002A	MW-05_05092012	5/9/2012	1450h	Aqueous	ICPMS Metals, Dissolved
1205500-003A	MW-11_05082012	5/8/2012	1440h	Aqueous	ICPMS Metals, Dissolved
1205500-004A	MW-12_05102012	5/10/2012	0700h	Aqueous	ICPMS Metals, Dissolved
1205500-005A	MW-14_05092012	5/9/2012	0920h	Aqueous	ICPMS Metals, Dissolved
1205500-006A	MW-15_05092012	5/9/2012	1245h	Aqueous	ICPMS Metals, Dissolved
1205500-007A	MW-24_05102012	5/10/2012	0630h	Aqueous	ICPMS Metals, Dissolved
1205500-008A	MW-28_05082012	5/8/2012	0945h	Aqueous	ICPMS Metals, Dissolved
1205500-009A	MW-29_05082012	5/8/2012	1235h	Aqueous	ICPMS Metals, Dissolved
1205500-010A	MW-36_05082012	5/8/2012	0800h	Aqueous	ICPMS Metals, Dissolved

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

Inorganic Case Narrative

Client: Denison Mines
Contact: Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Set ID: 1205500

Sample Receipt Information:

Date of Receipt:	5/30/2012
Date of Collection:	5/8, 5/9, & 5/10/2012
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.

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Kyle F. Gross
Laboratory Director
Jose Rocha
QA Officer

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

American West Analytical Laboratories

REVISED
6-8-12
Report as dissolved

UL
Denison

WORK ORDER Summary

Work Order: 1205500
Page 1 of 1 6/8/2012

Client: Denison Mines
Client ID: DEN100 **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012 **QC Level:** LEVEL III **WO Type:** Standard
Comments: PA Rush. QC 3 & Summary. EDD-Denison. CC kathy.weinel@gmail.com. Run Tin by 200.8; no digestion. Report in 100ppb.;

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1205500-001A	MW-02_05092012 **SEL Analytes: SN**	5/9/2012 0845h	5/30/2012 0930h	6/8/2012	Aqueous	200.8-DIS	☑	df - metals	1
1205500-002A	MW-05_05092012 **SEL Analytes: SN**	5/9/2012 1450h				200.8-DIS	☑	df - metals	
1205500-003A	MW-11_05082012 **SEL Analytes: SN**	5/8/2012 1440h				200.8-DIS	☑	df - metals	
1205500-004A	MW-12_05102012 **SEL Analytes: SN**	5/10/2012 0700h				200.8-DIS	☑	df - metals	
1205500-005A	MW-14_05092012 **SEL Analytes: SN**	5/9/2012 0920h				200.8-DIS	☑	df - metals	
1205500-006A	MW-15_05092012 **SEL Analytes: SN**	5/9/2012 1245h				200.8-DIS	☑	df - metals	
1205500-007A	MW-24_05102012 **SEL Analytes: SN**	5/10/2012 0630h				200.8-DIS	☑	df - metals	
1205500-008A	MW-28_05082012 **SEL Analytes: SN**	5/8/2012 0945h				200.8-DIS	☑	df - metals	
1205500-009A	MW-29_05082012 **SEL Analytes: SN**	5/8/2012 1235h				200.8-DIS	☑	df - metals	
1205500-010A	MW-36_05082012 **SEL Analytes: SN**	5/8/2012 0800h				200.8-DIS	☑	df - metals	

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: 1205500
Page 1 of 1 5/30/2012

Client: Denison Mines
Client ID: DEN100 **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012 HCl **QC Level:** LEVEL III HOK-AC **WO Type:** Standard
Comments: PA Rush. QC 3 & Summary. EDD-Denison. CC kathy.weinel@gmail.com. Run Tin by 200.8; no digestion. Report in 100ppb.; DVB

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1205500-001A	MW-02_05092012	5/9/2012 0845h	5/30/2012 0930h	6/8/2012	Aqueous	200.8-W	☑	df - metals	1
	SEL Analytes: SN								
1205500-002A	MW-05_05092012	5/9/2012 1450h				200.8-W	☑	df - metals	
	SEL Analytes: SN								
1205500-003A	MW-11_05082012	5/8/2012 1440h				200.8-W	☑	df - metals	
	SEL Analytes: SN								
1205500-004A	MW-12_05102012	5/10/2012 0700h				200.8-W	☑	df - metals	
	SEL Analytes: SN								
1205500-005A	MW-14_05092012	5/9/2012 0920h				200.8-W	☑	df - metals	
	SEL Analytes: SN								
1205500-006A	MW-15_05092012	5/9/2012 1245h				200.8-W	☑	df - metals	
	SEL Analytes: SN								
1205500-007A	MW-24_05102012	5/10/2012 0630h				200.8-W	☑	df - metals	
	SEL Analytes: SN								
1205500-008A	MW-28_05082012	5/8/2012 0945h				200.8-W	☑	df - metals	
	SEL Analytes: SN								
1205500-009A	MW-29_05082012	5/8/2012 1235h				200.8-W	☑	df - metals	
	SEL Analytes: SN								
1205500-010A	MW-36_05082012	5/8/2012 0800h				200.8-W	☑	df - metals	
	SEL Analytes: SN								

Chain of Custody and Analytical Request Record

1205500

Page 1 of 1

PLEASE PRINT (Provide as much information as possible.)

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
Denison Mines	Semiannual Ground Water 2012	State: UT	Yes ☒ No ☐
Report Mail Address: PO BOX 809 Blanding UT 84511	**Contact Name:** Garrin Palmer **Phone/Fax:** 435 678 2221	**Email:**	**Sampler: (Please Print)** Tanner Holliday
Invoice Address: Same	**Invoice Contact & Phone:** David Turk 435 678 2221	**Purchase Order:**	**Quote/Bottle Order:**

Special Report/Formats:

QC 3 ← per Kathy Weinel -Rev 5/29/12

- ☐ DW
- ☐ POTW/WWTP
- ☐ State: _____
- ☐ Other: _____
- ☒ EDD/EDT (Electronic Data) Format: Locus
- ☐ LEVEL IV
- ☐ 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

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Quote # C1640	(Tin 200.8 No digestion 100ppb per Kathy Weinel 5/29/12 -Rev)	Field Filtered - per Kathy -Rev 6/18/12	SEE ATTACHED
1 MW-02_05092012	5/9/2012	0845	6-W	X			
2 MW-05_05092012	5/9/2012	1450	6-W	X			
3 MW-11_05082012	5/8/2012	1440	6-W	X			
4 MW-12_05102012	5/10/12	0700	6-W	X			
5 MW-14_05092012	5/9/12	0920	6-W	X			
6 MW-15_05092012	5/9/12	1245	6-W	X			
7 MW-24_05102012	5/10/12	0630	6-W	X			
8 MW-28_05082012	5/8/12	0945	6-W	X			
9 MW-29_05082012	5/8/12	1235	6-W	X			
10 MW-36_05082012	5/8/12	0800	6-W	X			

Standard Turnaround (TAT)

R U S H

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Trip Blank 6346 Included & Temp Blank

Shipped by: FE-NDH

Cooler ID(s): Client

Receipt Temp 2.3 °C

On Ice: (Y) N

Custody Seal On Bottle Y (N) On Cooler (Y) N

Intact (Y) N

Signature Match (Y) N

LABORATORY USE ONLY

C12050943

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Tanner Holliday	5/10/2012 1100	Tanner Holliday	AWAL	5/30/12 9:30	Denise Brown
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Denise Brown	5/29/12 14:35				

Received by Laboratory: Date/Time: 5-11-12 9:45 Signature: Kris Gross

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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.

21.9°C

Lab Set ID: 1205500

DB 5/30/12

Samples Were:	COC Tape Was:	Container Type:	No. Rec.
☑ Shipped By: Fed Ex	**Present on Outer Package**	☐ AWAL Supplied Plastic	
☐ Hand Delivered	☐ Yes ☐ No ☑ N/A	☐ AWAL Supplied Clear Glass	
☑ Ambient	**Unbroken on Outer package**	☐ AWAL Supplied Amber Glass	
☐ Chilled	☐ Yes ☐ No ☑ N/A	☐ AWAL Supplied VOA/TOC/TOX Vials	
Temperature 21.9 °C	**Present on Sample**	☐ Amber ☐ Clear ☐ Headspace ☐ No Headspace	
Rec. Broken/Leaking ☐ Yes ☑ No ☐ N/A	☐ Yes ☐ No ☑ N/A	☐ Non AWAL Supplied Container	
Notes:	**Unbroken on Sample**	**Notes:**	
Properly Preserved ☑ Yes ☐ No ☐ N/A	☐ Yes ☐ No ☑ N/A		
Notes:	**Notes:**		
Rec. Within Hold ☑ Yes ☐ No		**Discrepancies Between Labels and COC** ☐ Yes ☐ No	
Notes:		**Notes:**	

DB 5/30/12

Bottle Type	Preservative	All pHs OK														
Ammonia	pH <2 H_2SO_4															
COD	pH <2 H_2SO_4															
Cyanide	PH >12 NaOH															
Metals	pH <2 HNO_3															
NO_2 & NO_3	pH <2 H_2SO_4															
Nutrients	pH <2 H_2SO_4															
O & G	pH <2 HCL															
Phenols	pH <2 H_2SO_4															
Sulfide	pH > 9NaOH, ZnAC															
TKN	pH <2 H_2SO_4															
TOC	pH <2 H_3PO_4															
T PO_4	pH <2 H_2SO_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

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Garrin Palmer
Denison Mines
1050 17th Street, # 950
Denver, CO 80265
TEL: (303) 389-4132

RE: Semiannual Ground Water 2012

Dear Garrin Palmer: Lab Set ID: 1205501

American West Analytical Laboratories received 4 sample(s) on 5/30/2012 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is accredited by The NELAC Institute in Utah and Texas; and is state accredited in Colorado, Idaho, and Missouri. Accreditation documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

This is a revision to a report originally issued 6/11/2012. Pages 1,2, and 5 have been revised.

Thank You,

Approved by: Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou=Quality Assurance Officer, email=jose@awal-labs.com, c=US
Date: 2012.07.20 16:47:14 -06'00'

Laboratory Director or designee

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

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

SAMPLE SUMMARY

Client: Denison Mines **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012
Lab Set ID: 1205501
Date Received: 5/30/2012 0930h

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis	
1205501-001A	MW-17_05042012	5/4/2012	1025h	Aqueous	ICPMS Metals, Dissolved	
1205501-002A	MW-22_05032012	5/3/2012	1225h	Aqueous	ICPMS Metals, Dissolved	^
1205501-003A	MW-26_05072012	5/7/2012	0945h	Aqueous	ICPMS Metals, Dissolved	
1205501-004A	MW-65_05072012	5/7/2012	0945h	Aqueous	ICPMS Metals, Dissolved	

^ - Reissue of a previously generated report. The Client Sample ID and Collection Date have been revised. Information herein supersedes that of the previously issued reports.

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client:	Denison Mines
Contact:	Garrin Palmer
Project:	Semiannual Ground Water 2012
Lab Set ID:	1205501

Sample Receipt Information:

Date of Receipt:	5/30/2012
Date of Collection:	5/4 & 5/7/2012
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.

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

REVISED
7-19-12
Client Sample ID and Collection Date updated for Sample #2

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1205501**
Page 1 of 1 7/20/2012

Client: Denison Mines
Client ID: DEN100 **Contact:** Garrin Palmer
Project: Semiannual Ground Water 2012 **QC Level:** LEVEL III **WO Type:** Standard
Comments: PA Rush. QC 3 & Summary. EDD-Denison. CC kathy.weinel@gmail.com. Run Tin by 200.8; no digestion. Report in 100ppb.;

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1205501-001A	MW-17_05042012	5/4/2012 1025h	5/30/2012 0930h	6/8/2012	Aqueous	200.8-DIS	☑	df - metals	1
	SEL Analytes: SN								
1205501-002A	MW-22_05032012	5/3/2012 1225h				200.8-DIS	☑	df - metals	
	SEL Analytes: SN								
1205501-003A	MW-26_05072012	5/7/2012 0945h				200.8-DIS	☑	df - metals	
	SEL Analytes: SN								
1205501-004A	MW-65_05072012					200.8-DIS	☑	df - metals	
	SEL Analytes: SN								

FOR LABORATORY USE ONLY [fill out on page 1]: %M ☐ RT ☐ CN ☐ TAT ☐ QC ☐ HOK_ _ _ _ HOK_ _ _ _ HOK_ _ _ _

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

1205501

Page 1 of 1

PLEASE PRINT (Provide as much information as possible.)

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
Denison Mines	Semiannual Ground Water 2012	State: UT	Yes ☒ No ☐
Report Mail Address:	**Contact Name:**	**Phone/Fax:**	**Email:**	**Sampler: (Please Print)**
PO Box 809 Blanding UT 84511	Garrin Palmer	435 678 2221		Tanner Holliday
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**
Same	David Turk 435 678 2221		

Special Report/Formats:

QC 3 – per Kathy Weinel and 5/29/12 -RW

☐ DW ☐ POTW/WWTP ☐ State: _____ ☐ Other: _____

☒ EDD/EDT (Electronic Data) Format: Locus

☐ LEVEL IV ☐ NELAC

Number of Containers
Sample Type: A Water S Soils/Solids A Air V Vegetation B Bioassay O Other D DW - Drinking Water

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Quote # C1640	(Tin 200.8 No digestion 100 ppb RL)	per Kathy Weinel too ppb 5/29/12 -RW	Field Filtered - per Kathy - RSW 5/29/12	SEE ATTACHED	Standard Turnaround (TAT)	RUSH	Comments:
1 MW-17_05042012	5/4/2012	1025	G-W	X							
2 MW-22_05042012	5/4/2012	1225	G-W	X							
3 MW-26_05072012	5/7/2012	0945	G-W	X							
4 MW-65_05072012	5/7/2012	0945	G-W	X							* Not received SB 5/30/12
5 Trip Blank *	5/4/2012										
6											
10											

Per Kathy Weinel, MW-22 was pulled 5/3/2012.
Sample ID should be:
MW-22_05032012
-RW 7/19/12

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Shipped by: FedEx NDA

Cooler ID(s): Client

Receipt Temp: 2.4 °C

On Ice: Y N

Custody Seal: On Bottle Y N; On Cooler Y N

Intact: Y N

Signature Match: Y N

LABORATORY USE ONLY

1205021

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Tanner Holliday	5/7/2012 1000	Tanner Holliday	AWAL	5/30/12 9:30	Denise Brown
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Denise Brown	5/29/12 14:35				

Sample Disposal: Return to Client: _____ Lab Disposal: _____

Received by Laboratory: Date/Time: 5-30-12/1030 Signature: T. Houghwelling

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.

21.9°C

Lab Set ID: 1205501

DB 5/30/12

Samples Were:	COC Tape Was:	Container Type:	No. Rec.
☑ Shipped By: Fed Ex	**Present on Outer Package** ☐ Yes ☐ No ☑ N/A	☐ AWAL Supplied Plastic	
☐ Hand Delivered		☐ AWAL Supplied Clear Glass	
☑ Ambient	**Unbroken on Outer package** ☐ Yes ☐ No ☑ N/A	☐ AWAL Supplied Amber Glass	
☐ Chilled		☐ AWAL Supplied VOA/TOC/TOX Vials ☐ Amber ☐ Clear ☐ Headspace ☑ No Headspace	
Temperature 21.9 °C	**Present on Sample** ☐ Yes ☐ No ☑ N/A	☐ Non AWAL Supplied Container	
Rec. Broken/Leaking ☐ Yes ☑ No ☐ N/A			
Notes:	**Unbroken on Sample** ☐ Yes ☐ No ☑ N/A	**Notes:**	
Properly Preserved ☑ Yes ☐ No ☐ N/A	**Notes:**		
Notes:			
Rec. Within Hold ☑ Yes ☐ No		**Discrepancies Between Labels and COC** ☐ Yes ☑ No	
Notes:		**Notes:**	

DB 5/30/12

Bottle Type	Preservative	All pHs OK														
Ammonia	pH <2 H_2SO_4															
COD	pH <2 H_2SO_4															
Cyanide	PH >12 NaOH															
Metals	pH <2 HNO_3															
NO_2 & NO_3	pH <2 H_2SO_4															
Nutrients	pH <2 H_2SO_4															
O & G	pH <2 HCL															
Phenols	pH <2 H_2SO_4															
Sulfide	pH > 9NaOH, ZnAC															
TKN	pH <2 H_2SO_4															
TOC	pH <2 H_3PO_4															
T PO_4	pH <2 H_2SO_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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Jo Ann Tischler
Denison Mines
1050 17th Street, # 950
Denver, CO 80265
TEL: (303) 389-4132

RE: Semiannual Ground Water 2012

Dear Jo Ann Tischler: Lab Set ID: 1206010

American West Analytical Laboratories received 2 sample(s) on 6/1/2012 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is accredited by The NELAC Institute in Utah and Texas; and is state accredited in Colorado, Idaho, and Missouri. Accreditation documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou=Quality Assurance Officer, email=jose@awal-labs.com, c=US
Date: 2012.06.12 09:34:57 -06'00'

Laboratory Director or designee

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

SAMPLE SUMMARY

Client: Denison Mines
Project: Semiannual Ground Water 2012
Lab Set ID: 1206010
Date Received: 6/1/2012 1330h

Contact: Jo Ann Tischler

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1206010-001A	MW-37_05292012	5/29/2012 1325h	Aqueous	VOA by GC/MS Method 8260C/5030C
1206010-001B	MW-37_05292012	5/29/2012 1325h	Aqueous	ICPMS Metals, Dissolved
1206010-002A	Trip Blank	5/29/2012	Aqueous	VOA by GC/MS Method 8260C/5030C

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

Inorganic Case Narrative

Client:	Denison Mines
Contact:	Garrin Palmer
Project:	Semiannual Ground Water 2012
Lab Set ID:	1206010

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	6/1/2012
Date of Collection:	5/29/2012
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.

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

Volatile Case Narrative

Client:	Denison Mines
Contact:	Garrin Palmer
Project:	Semiannual Ground Water 2012
Lab Set ID:	1206010

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	6/1/2012
Date of Collection:	5/29/2012
Sample Condition:	Intact
C-O-C Discrepancies:	None
Method:	SW-846 8260C/5030C
Analysis:	Tetrahydrofuran

General Set Comments: No Tetrahydrofuran was observed above its reporting limit.

Holding Time and Preservation Requirements: All samples were received in appropriate containers and properly preserved. The analysis and preparation of all samples were performed within the method holding times following the methods stated on the analytical reports.

Analytical QC Requirements: All instrument calibration and calibration check requirements were met. All internal standard recoveries met method criterion.

Batch QC Requirements: MB, LCS, MS, MSD, RPD, and Surrogates:

Method Blanks (MBs): No target analytes were detected above reporting limits, indicating that the procedure was free from contamination.

Laboratory Control Sample (LCSs): All LCS recoveries were within control limits, indicating that the preparation and analysis were in control.

Matrix Spike / Matrix Spike Duplicate (MS/MSD): All percent recoveries and RPDs (Relative Percent Differences) were inside established limits, indicating no apparent matrix interferences.

Surrogates: All surrogate recoveries were within established limits.

Corrective Action: None required.

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

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1206010
Project: Semiannual 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 060412B	Tetrahydrofuran	µg/L	SW8260C	16.0	20.00	0	80.2	43-146				6/4/2012 1854h
LCS VOC 060412B	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	55.7	50.00		111	76-138				6/4/2012 1854h
LCS VOC 060412B	Surr: 4-Bromofluorobenzene	%REC	SW8260C	48.9	50.00		97.8	77-121				6/4/2012 1854h
LCS VOC 060412B	Surr: Dibromofluoromethane	%REC	SW8260C	50.8	50.00		102	67-128				6/4/2012 1854h
LCS VOC 060412B	Surr: Toluene-d8	%REC	SW8260C	50.3	50.00		101	81-135				6/4/2012 1854h

l analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any mber of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1206010
Project: Semiannual 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 060412B	Tetrahydrofuran	µg/L	SW8260C	< 1.00				-				6/4/2012 1932h
MB VOC 060412B	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	54.6	50.00		109	76-138				6/4/2012 1932h
MB VOC 060412B	Surr: 4-Bromofluorobenzene	%REC	SW8260C	48.9	50.00		97.7	77-121				6/4/2012 1932h
MB VOC 060412B	Surr: Dibromofluoromethane	%REC	SW8260C	51.0	50.00		102	67-128				6/4/2012 1932h
MB VOC 060412B	Surr: Toluene-d8	%REC	SW8260C	50.9	50.00		102	81-135				6/4/2012 1932h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1206010
Project: Semiannual 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
1206011-001CMS	Tetrahydrofuran	µg/L	SW8260C	20.3	20.00	0	102	43-146				6/4/2012 2030h
1206011-001CMS	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	57.2	50.00		114	72-151				6/4/2012 2030h
1206011-001CMS	Surr: 4-Bromofluorobenzene	%REC	SW8260C	48.2	50.00		96.4	80-128				6/4/2012 2030h
1206011-001CMS	Surr: Dibromofluoromethane	%REC	SW8260C	52.3	50.00		105	80-124				6/4/2012 2030h
1206011-001CMS	Surr: Toluene-d8	%REC	SW8260C	49.6	50.00		99.2	77-129				6/4/2012 2030h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1206010
Project: Semiannual 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
1206011-001CMSD	Tetrahydrofuran	µg/L	SW8260C	20.3	20.00	0	101	43-146	0.246	25		6/4/2012 2049h
1206011-001CMSD	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	54.9	50.00		110	72-151				6/4/2012 2049h
1206011-001CMSD	Surr: 4-Bromofluorobenzene	%REC	SW8260C	47.8	50.00		95.6	80-128				6/4/2012 2049h
1206011-001CMSD	Surr: Dibromofluoromethane	%REC	SW8260C	51.7	50.00		103	80-124				6/4/2012 2049h
1206011-001CMSD	Surr: Toluene-d8	%REC	SW8260C	48.9	50.00		97.8	77-129				6/4/2012 2049h

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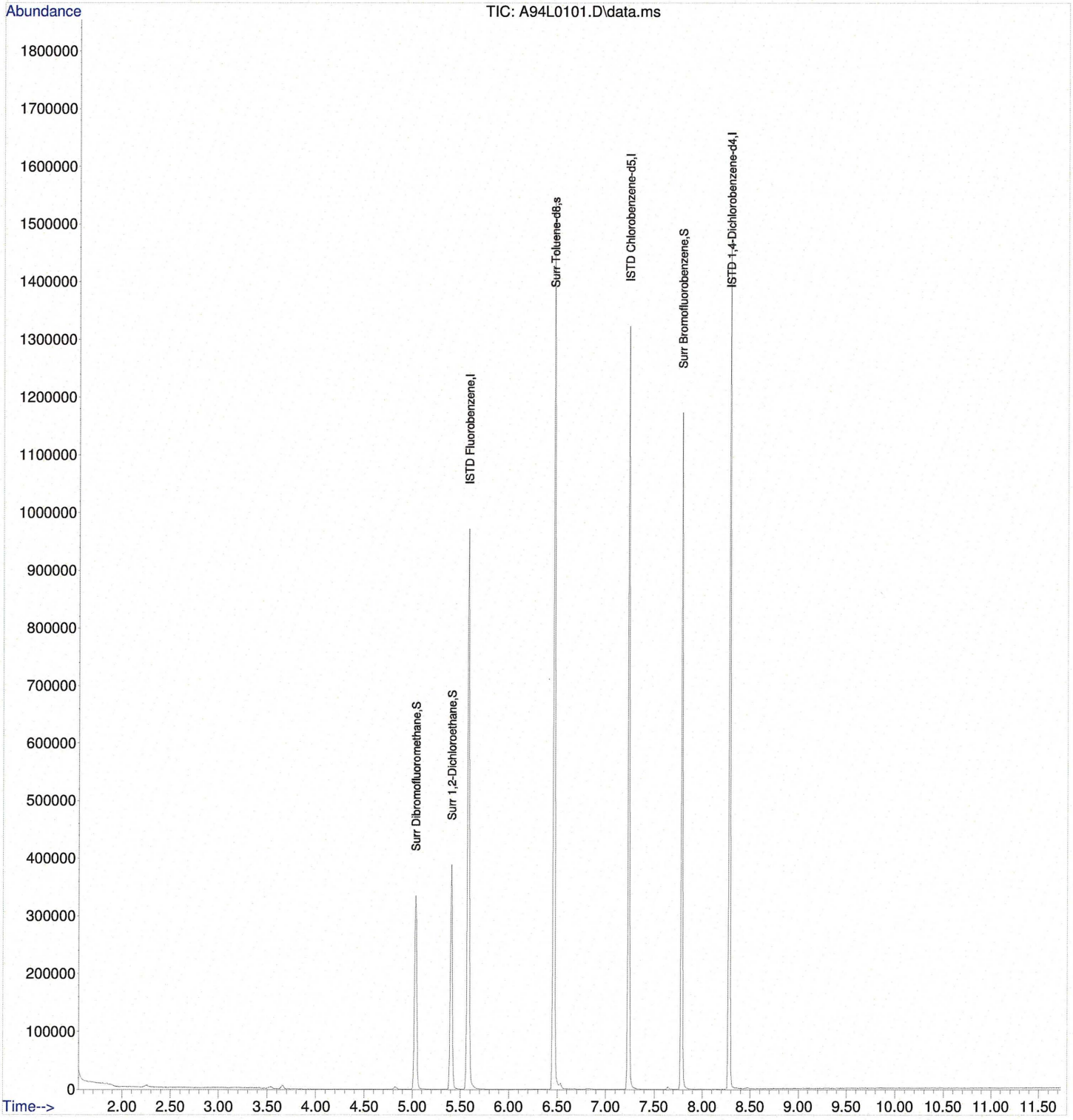
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\JUNE12-C\04JUNE12\
Data File : A94L0101.D
Acq On : 5 Jun 2012 12:57 am
Operator :
Sample : 1206010-001A
Misc : SAMP 5.0ML 1OF3 AAP
ALS Vial : 22 Sample Multiplier: 1

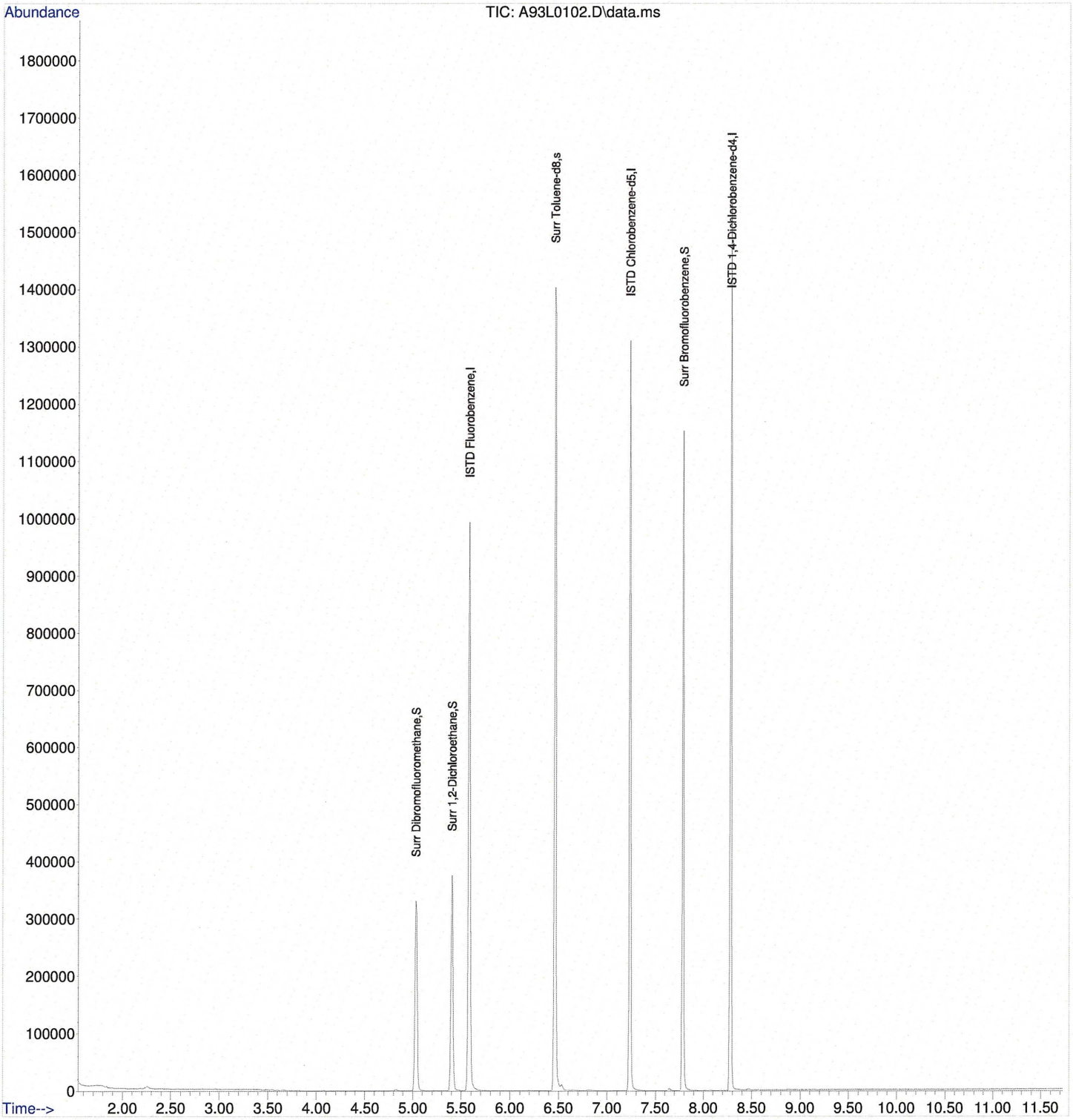
Quant Time: Jun 05 11:24:18 2012
Quant Method : C:\msdchem\1\METHODS\AFULLW_58.M
Quant Title : VOA Calibration
QLast Update : Mon Jun 04 17:30:18 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\JUNE12-C\04JUNE12\
Data File : A93L0102.D
Acq On : 5 Jun 2012 12:38 am
Operator :
Sample : 1206010-002A
Misc : SAMP 5.0ML 1OF3 AAP
ALS Vial : 21 Sample Multiplier: 1

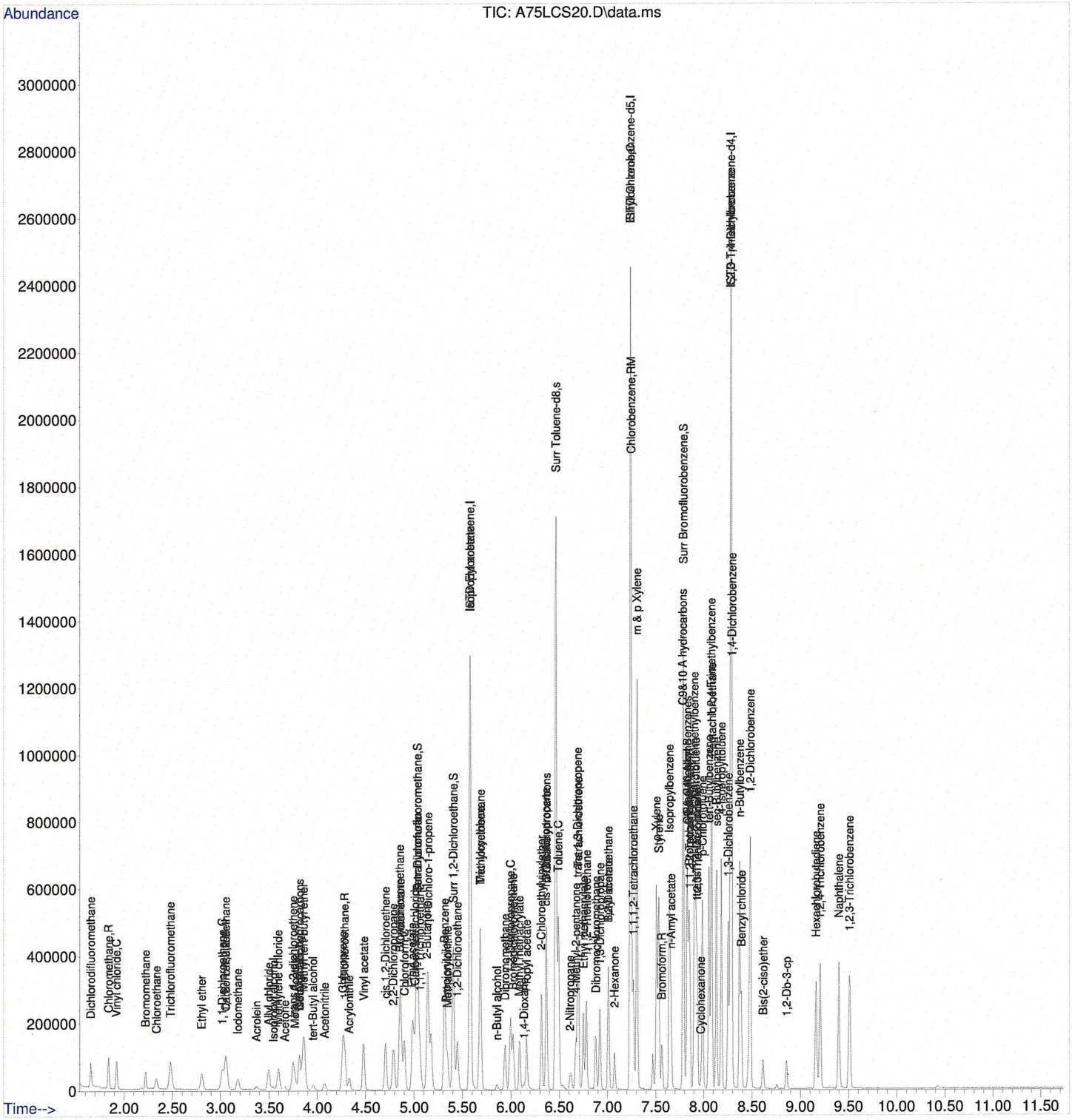
Quant Time: Jun 05 11:23:42 2012
Quant Method : C:\msdchem\1\METHODS\AFULLW_58.M
Quant Title : VOA Calibration
QLast Update : Mon Jun 04 17:30:18 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\JUNE12-C\04JUNE12\
Data File : A75LCS20.D
Acq On : 4 Jun 2012 6:54 pm
Operator :
Sample : LCS VOC 060412B
Misc : LCS SEE COVERSHEET FOR ID AND AMOUNTS AAP
ALS Vial : 3 Sample Multiplier: 1

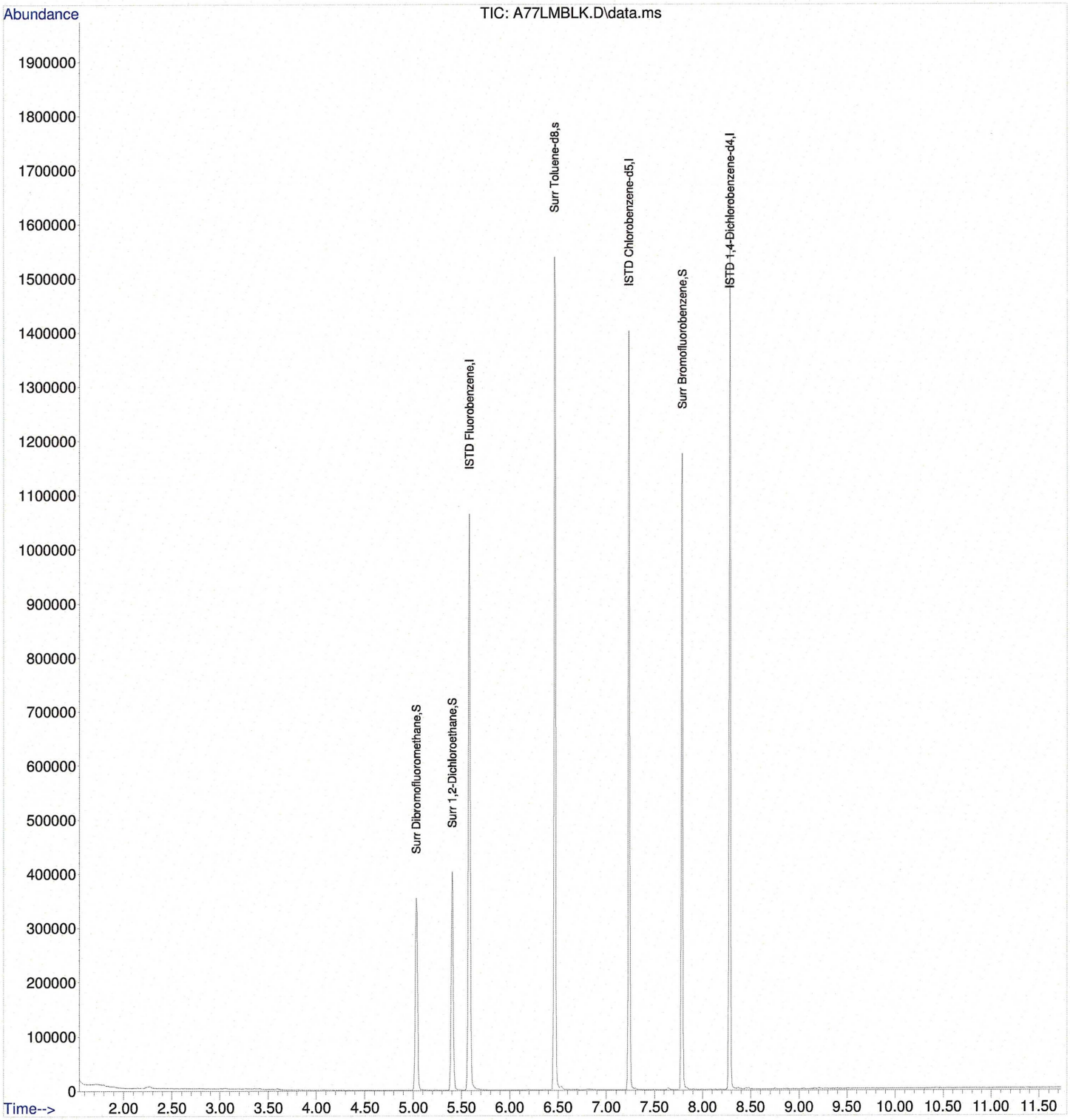
Quant Time: Jun 05 10:45:17 2012
Quant Method : C:\msdchem\1\METHODS\AFULLW_58.M
Quant Title : VOA Calibration
QLast Update : Mon Jun 04 17:30:18 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\JUNE12-C\04JUNE12\
Data File : A77LMBLK.D
Acq On : 4 Jun 2012 7:32 pm
Operator :
Sample : MB VOC 060412B
Misc : MBLK 5.0 ML AAP
ALS Vial : 5 Sample Multiplier: 1

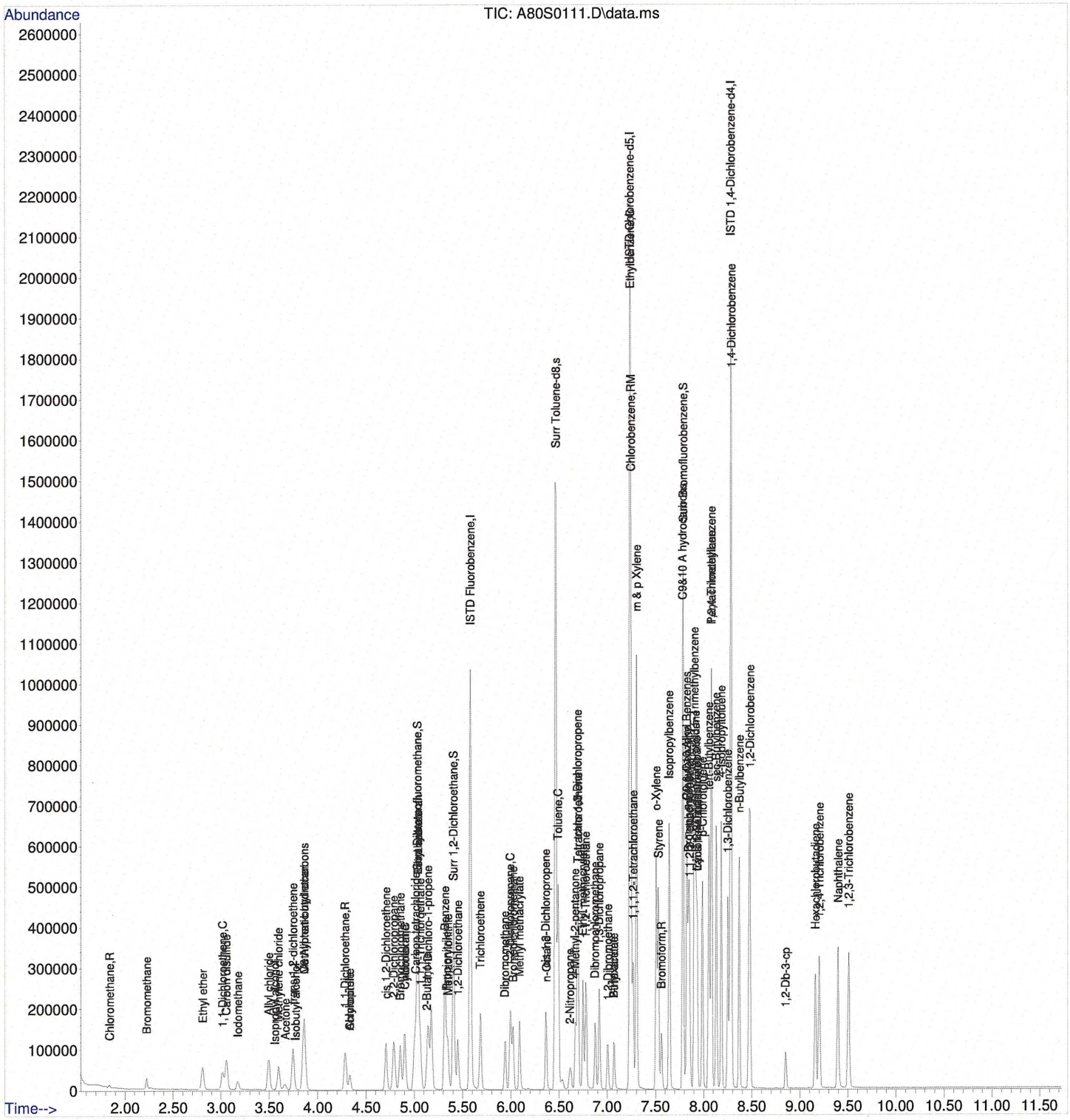
Quant Time: Jun 05 10:47:55 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_58.M
Quant Title : VOA Calibration
QLast Update : Mon Jun 04 17:30:18 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\JUNE12-C\04JUNE12\
Data File : A80S0111.D
Acq On : 4 Jun 2012 8:30 pm
Operator :
Sample : 1206011-001CMS
Misc : MS 5.0ML 2OF3 AAP
ALS Vial : 8 Sample Multiplier: 1

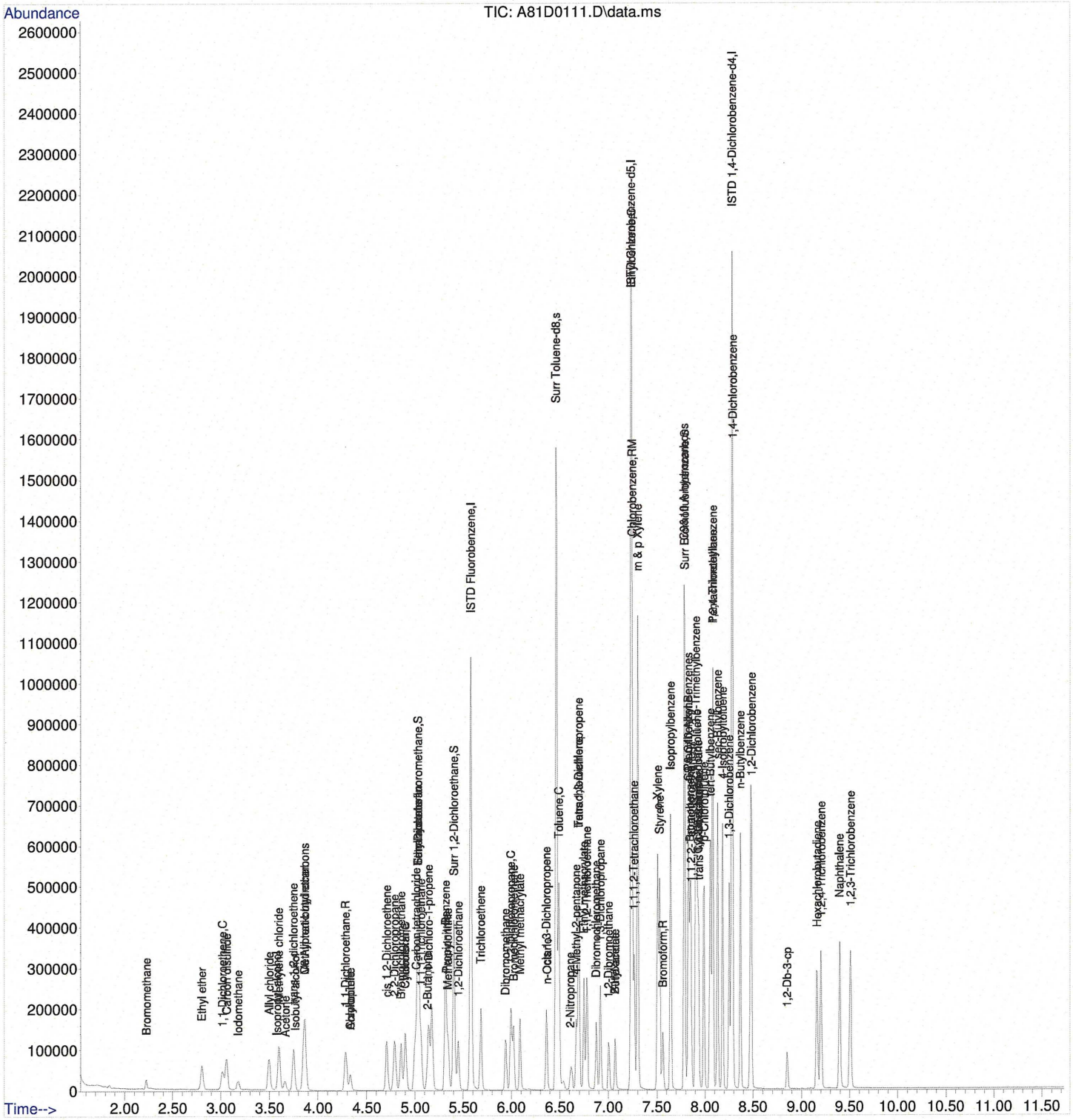
Quant Time: Jun 05 11:17:19 2012
Quant Method : C:\msdchem\1\METHODS\AFULLW_58.M
Quant Title : VOA Calibration
QLast Update : Mon Jun 04 17:30:18 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\JUNE12-C\04JUNE12\
Data File : A81D0111.D
Acq On : 4 Jun 2012 8:49 pm
Operator :
Sample : 1206011-001CMSD
Misc : MSD 5.0ML 3OF3 AAP
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 05 10:51:41 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_58.M
Quant Title : VOA Calibration
QLast Update : Mon Jun 04 17:30:18 2012
Response via : Initial Calibration



American West Analytical Laboratories

REVISED
Report as dissolved for Tin -EH
6/8/2012
Client Sample ID fixed - MC 6/11/2012

UL
Denison

WORK ORDER Summary

Work Order: **1206010**
Page 1 of 1 6/11/2012

Client: Denison Mines
Client ID: DEN100 **Contact:** Jo Ann Tischler
Project: Semiannual 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. Report tin at 100 ppb.;

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1206010-001A	MW-37_05292012	5/29/2012 1325h	6/1/2012 1330h	6/12/2012	Aqueous	8260-W	☑	VOCFridge	3
1206010-001B						200.8-DIS	☑	df - metals	1
	SEL Analytes: SN								
1206010-002A	Trip Blank	5/29/2012				8260-W	☑	VOCFridge	3

1206010

DENISON MINES

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
Semiannual Ground Water 2012	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-37_05292012	5/29/2012	1325	THF, TIN– FILTERED PER SAMPLE CONTAINER
Trip Blank	5/29/2012		THF 6/1/12

Please notify Garrin Palmer or Tanner Holliday of Reciept tempature on these samples Immediately! Thank you. ✓

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	5/31/2012 1130		
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
		Denise Brown	6/1/12 13:30

0.5°

Lab Set ID: 1206010

DB 6/1/12

Samples Were:	COC Tape Was:	Container Type:	No. Rec.
☑ Shipped By: Fed Ex	**Present on Outer Package**	☐ AWAL Supplied Plastic	
☐ Hand Delivered	☑ Yes ☐ No ☐ N/A	☐ AWAL Supplied Clear Glass	
☐ Ambient	**Unbroken on Outer package**	☐ AWAL Supplied Amber Glass	
☑ Chilled	☑ Yes ☐ No ☐ N/A	☐ AWAL Supplied VOA/TOC/TOX Vials	
Temperature 0.5 °C	**Present on Sample**	☐ Amber ☐ Clear ☐ Headspace ☐ No Headspace	
Rec. Broken/Leaking ☐ Yes ☑ No ☐ N/A	☐ Yes ☑ No ☐ N/A	☐ Non AWAL Supplied Container	
Notes:	**Unbroken on Sample**	**Notes:**	
	☐ Yes ☐ No ☑ N/A		
Properly Preserved ☑ Yes ☐ No ☐ N/A	**Notes:**		
Notes:			
Rec. Within Hold ☑ Yes ☐ No		**Discrepancies Between Labels and COC** ☐ Yes ☑ No	
Notes:		**Notes:**	

Bottle Type	Preservative	All pHs OK	-001													
Ammonia	pH <2 H_2SO_4															
COD	pH <2 H_2SO_4															
Cyanide	PH >12 NaOH															
Metals	pH <2 HNO_3		yes													
NO_2 & NO_3	pH <2 H_2SO_4															
Nutrients	pH <2 H_2SO_4															
O & G	pH <2 HCL															
Phenols	pH <2 H_2SO_4															
Sulfide	pH > 9NaOH, ZnAC															
TKN	pH <2 H_2SO_4															
TOC	pH <2 H_3PO_4															
T PO_4	pH <2 H_2SO_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

American West
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Jo Ann Tischler
Denison Mines
1050 17th Street, # 950
Denver, CO 80265
TEL: (303) 389-4132

RE: Semi Annual Ground Water 2012

Dear Jo Ann Tischler: Lab Set ID: 1206136

American West Analytical Laboratories received 2 sample(s) on 6/8/2012 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is accredited by The NELAC Institute in Utah and Texas; and is state accredited in Colorado, Idaho, and Missouri. Accreditation documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Kyle F. Gross
Digitally signed by Kyle F. Gross
DN: cn=Kyle F. Gross, o=AWAL, ou=AWAL, email=kyle@awal-labs.com, c=US
Date: 2012.06.18 15:54:43 -06'00'

Laboratory Director or designee

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

SAMPLE SUMMARY

Client: Denison Mines
Project: Semi Annual Ground Water 2012
Lab Set ID: 1206136
Date Received: 6/8/2012 835h

Contact: Jo Ann Tischler

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1206136-001A	MW-20_06042012	6/4/2012	1235h	Aqueous	VOA by GC/MS Method 8260C/5030C
1206136-001B	MW-20_06042012	6/4/2012	1235h	Aqueous	ICPMS Metals, Dissolved
1206136-002A	Trip Blank	6/4/2012		Aqueous	VOA by GC/MS Method 8260C/5030C

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Kyle F. Gross
Laboratory Director

Jose Rocha
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client:	Denison Mines
Contact:	Jo Ann Tischler
Project:	Semi Annual Ground Water 2012
Lab Set ID:	1206136

Sample Receipt Information:

Date of Receipt:	6/8/2012
Date of Collection:	6/4/2012
Sample Condition:	Intact
C-O-C Discrepancies:	None

Holding Time and Preservation Requirements: The analysis of the sample was performed within the method holding times. The sample was properly preserved.

Preparation and Analysis Requirements: The sample was analyzed following the methods stated on the analytical reports. The sample was 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.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Volatile Case Narrative

Client:	Denison Mines
Contact:	Jo Ann Tischler
Project:	Semi Annual Ground Water 2012
Lab Set ID:	1206136

Sample Receipt Information:

Date of Receipt:	6/8/2012
Date(s) of Collection:	6/4/2012
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: 1206136
Project: Semi Annual 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 061212A	Tetrahydrofuran	µg/L	SW8260C	17.0	20.00	0	84.8	43-146				6/12/2012 700h
LCS VOC 061212A	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	50.8	50.00		102	76-138				6/12/2012 700h
LCS VOC 061212A	Surr: 4-Bromofluorobenzene	%REC	SW8260C	50.5	50.00		101	77-121				6/12/2012 700h
LCS VOC 061212A	Surr: Dibromofluoromethane	%REC	SW8260C	50.7	50.00		101	67-128				6/12/2012 700h
LCS VOC 061212A	Surr: Toluene-d8	%REC	SW8260C	51.4	50.00		103	81-135				6/12/2012 700h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1206136
Project: Semi Annual 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 061212A	Tetrahydrofuran	µg/L	SW8260C	< 1.00				-				6/12/2012 739h
MB VOC 061212A	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	53.3	50.00		107	76-138				6/12/2012 739h
MB VOC 061212A	Surr: 4-Bromofluorobenzene	%REC	SW8260C	54.5	50.00		109	77-121				6/12/2012 739h
MB VOC 061212A	Surr: Dibromofluoromethane	%REC	SW8260C	50.8	50.00		102	67-128				6/12/2012 739h
MB VOC 061212A	Surr: Toluene-d8	%REC	SW8260C	54.0	50.00		108	81-135				6/12/2012 739h

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QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1206136
Project: Semi Annual 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
1206136-001AMS	Tetrahydrofuran	µg/L	SW8260C	17.4	20.00	0	86.9	43-146				6/12/2012 1013h
1206136-001AMS	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	50.5	50.00		101	72-151				6/12/2012 1013h
1206136-001AMS	Surr: 4-Bromofluorobenzene	%REC	SW8260C	50.8	50.00		102	80-128				6/12/2012 1013h
1206136-001AMS	Surr: Dibromofluoromethane	%REC	SW8260C	51.4	50.00		103	80-124				6/12/2012 1013h
1206136-001AMS	Surr: Toluene-d8	%REC	SW8260C	50.7	50.00		101	77-129				6/12/2012 1013h

analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility

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: 1206136
Project: Semi Annual 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
1206136-001AMSD	Tetrahydrofuran	µg/L	SW8260C	14.0	20.00	0	69.8	43-146	21.7	25		6/12/2012 1032h
1206136-001AMSD	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	51.5	50.00		103	72-151				6/12/2012 1032h
1206136-001AMSD	Surr: 4-Bromofluorobenzene	%REC	SW8260C	51.1	50.00		102	80-128				6/12/2012 1032h
1206136-001AMSD	Surr: Dibromofluoromethane	%REC	SW8260C	50.0	50.00		99.9	80-124				6/12/2012 1032h
1206136-001AMSD	Surr: Toluene-d8	%REC	SW8260C	50.4	50.00		101	77-129				6/12/2012 1032h

l analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any
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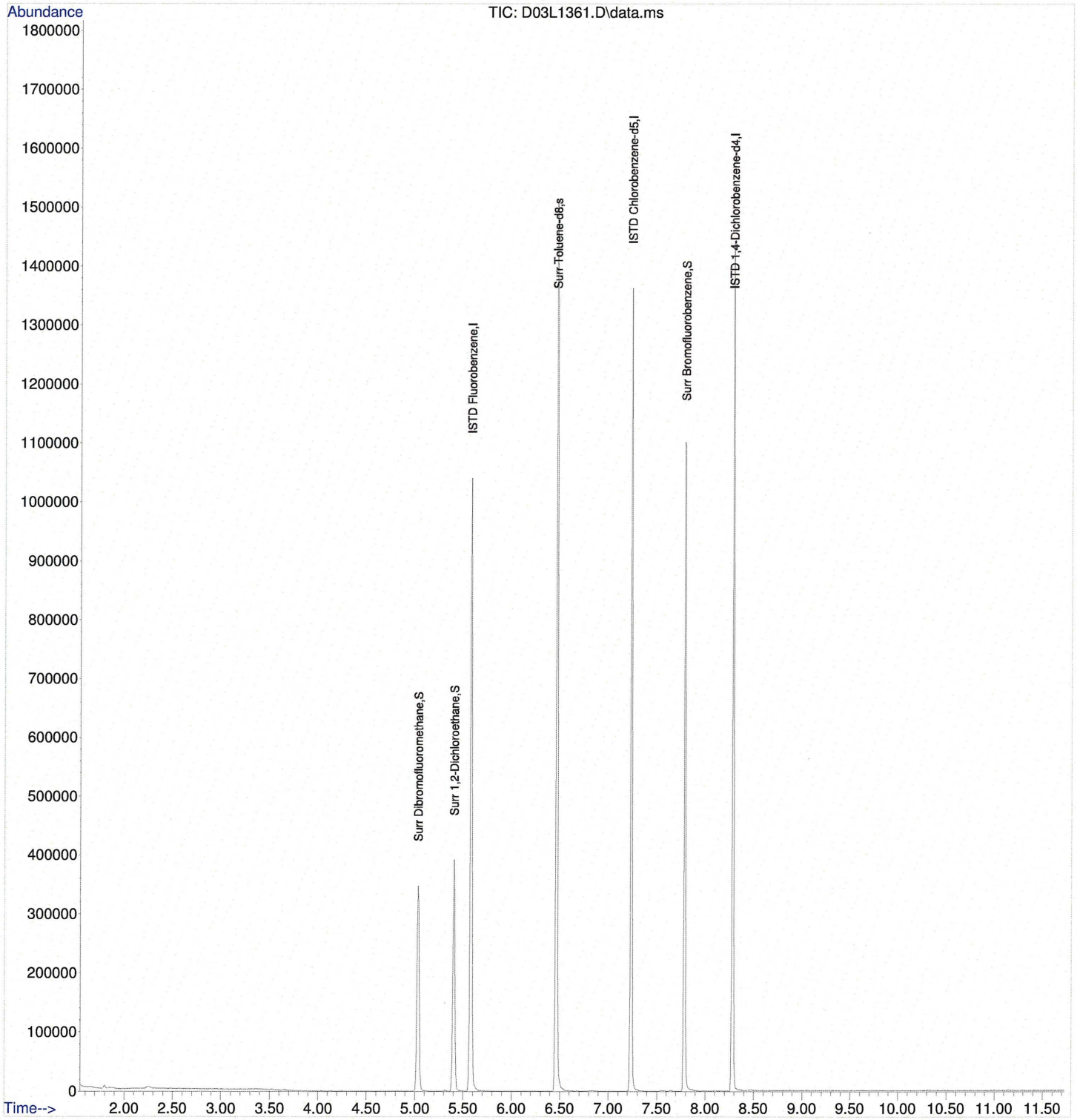
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\JUNE12-C\12JUNE12\
Data File : D03L1361.D
Acq On : 12 Jun 2012 8:57 am
Operator :
Sample : 1206136-001A
Misc : SAMP 5.0ML 1 OF 3 SB
ALS Vial : 8 Sample Multiplier: 1

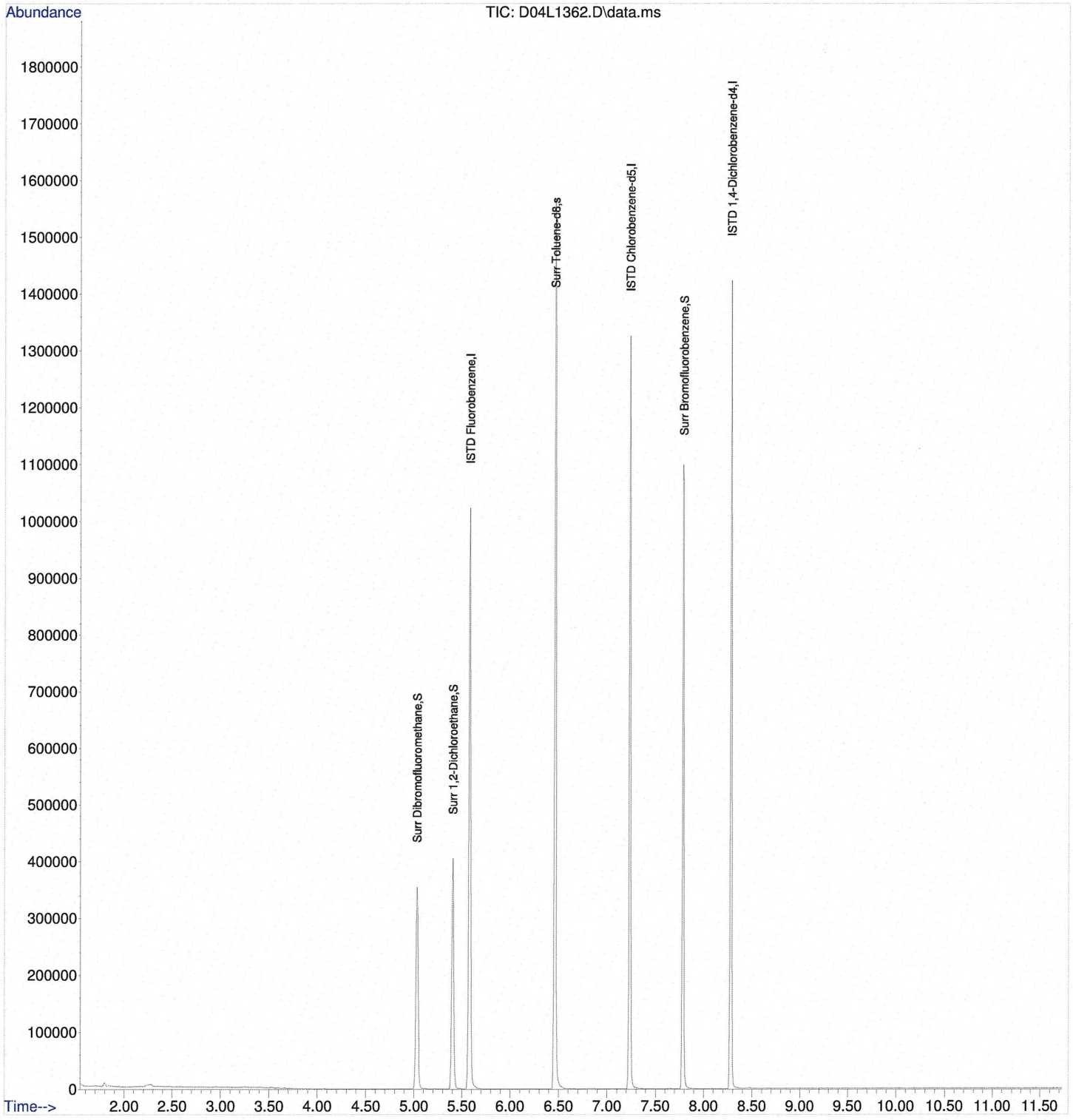
Quant Time: Jun 12 09:17:30 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_58.M
Quant Title : VOA Calibration
QLast Update : Mon Jun 04 17:30:18 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\JUNE12-C\12JUNE12\
Data File : D04L1362.D
Acq On : 12 Jun 2012 9:16 am
Operator :
Sample : 1206136-002A
Misc : SAMP 5.0ML 1 OF 3 SB
ALS Vial : 9 Sample Multiplier: 1

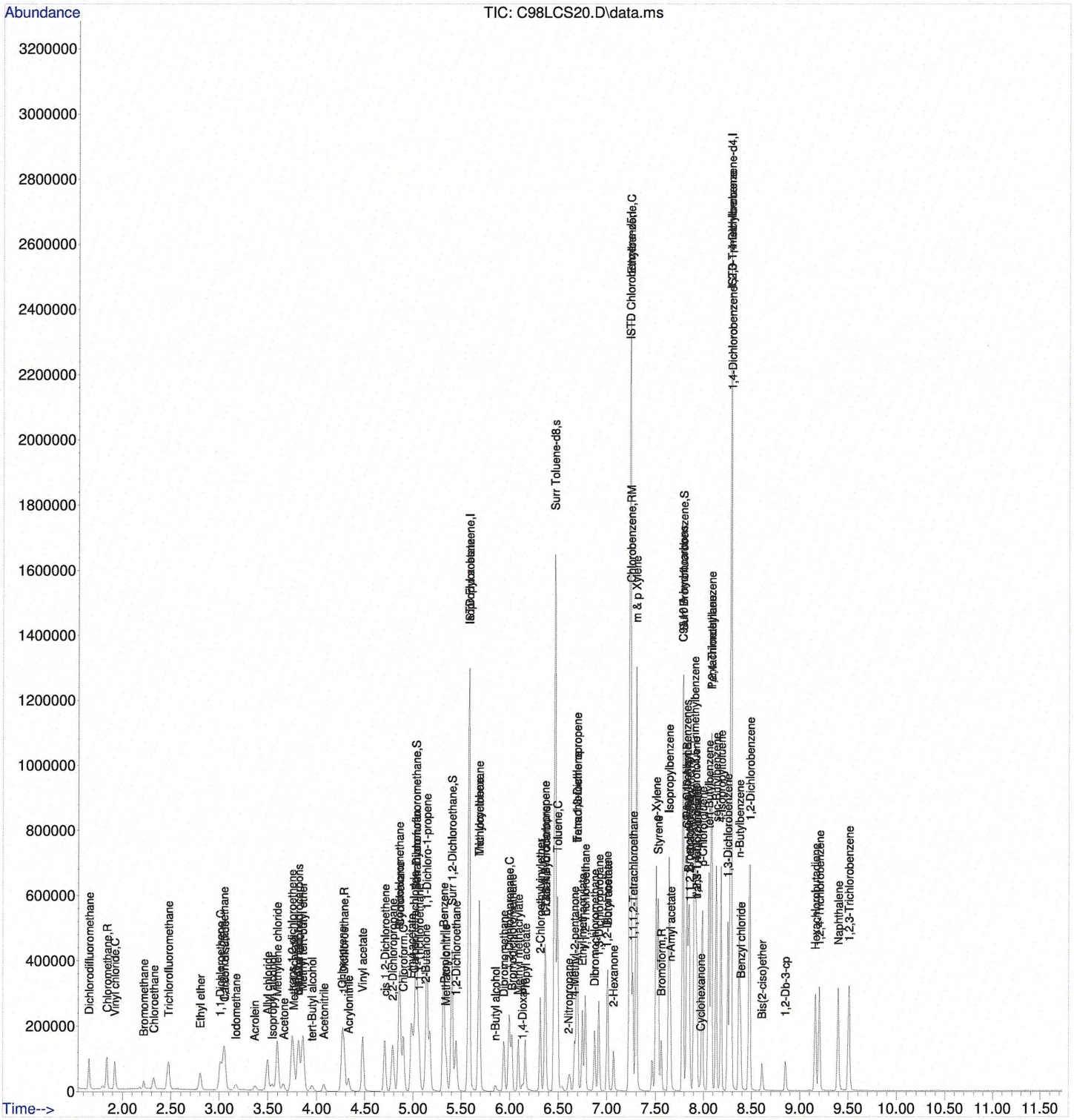
Quant Time: Jun 12 16:46:19 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_58.M
Quant Title : VOA Calibration
QLast Update : Mon Jun 04 17:30:18 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\JUNE12-C\12JUNE12\
Data File : C98LCS20.D
Acq On : 12 Jun 2012 7:00 am
Operator :
Sample : LCS VOC 061212A
Misc : LCS SEE COVERSHEET FOR ID AND AMOUNTS JO
ALS Vial : 4 Sample Multiplier: 1

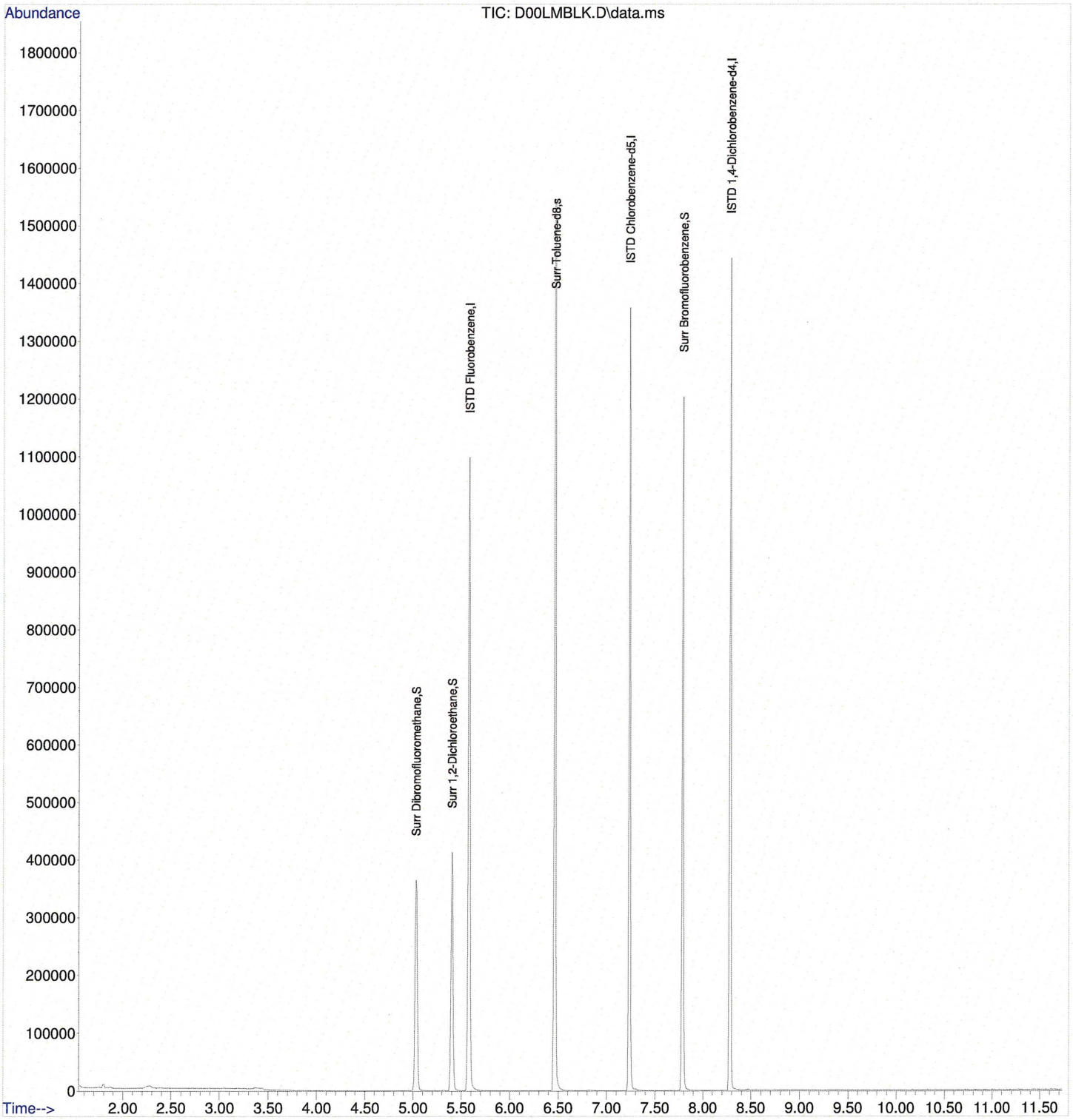
Quant Time: Jun 12 07:20:05 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_58.M
Quant Title : VOA Calibration
QLast Update : Mon Jun 04 17:30:18 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\JUNE12-C\12JUNE12\
Data File : D00LMBLK.D
Acq On : 12 Jun 2012 7:39 am
Operator :
Sample : MB VOC 061212A
Misc : MBLK 5.0ML JO
ALS Vial : 5 Sample Multiplier: 1

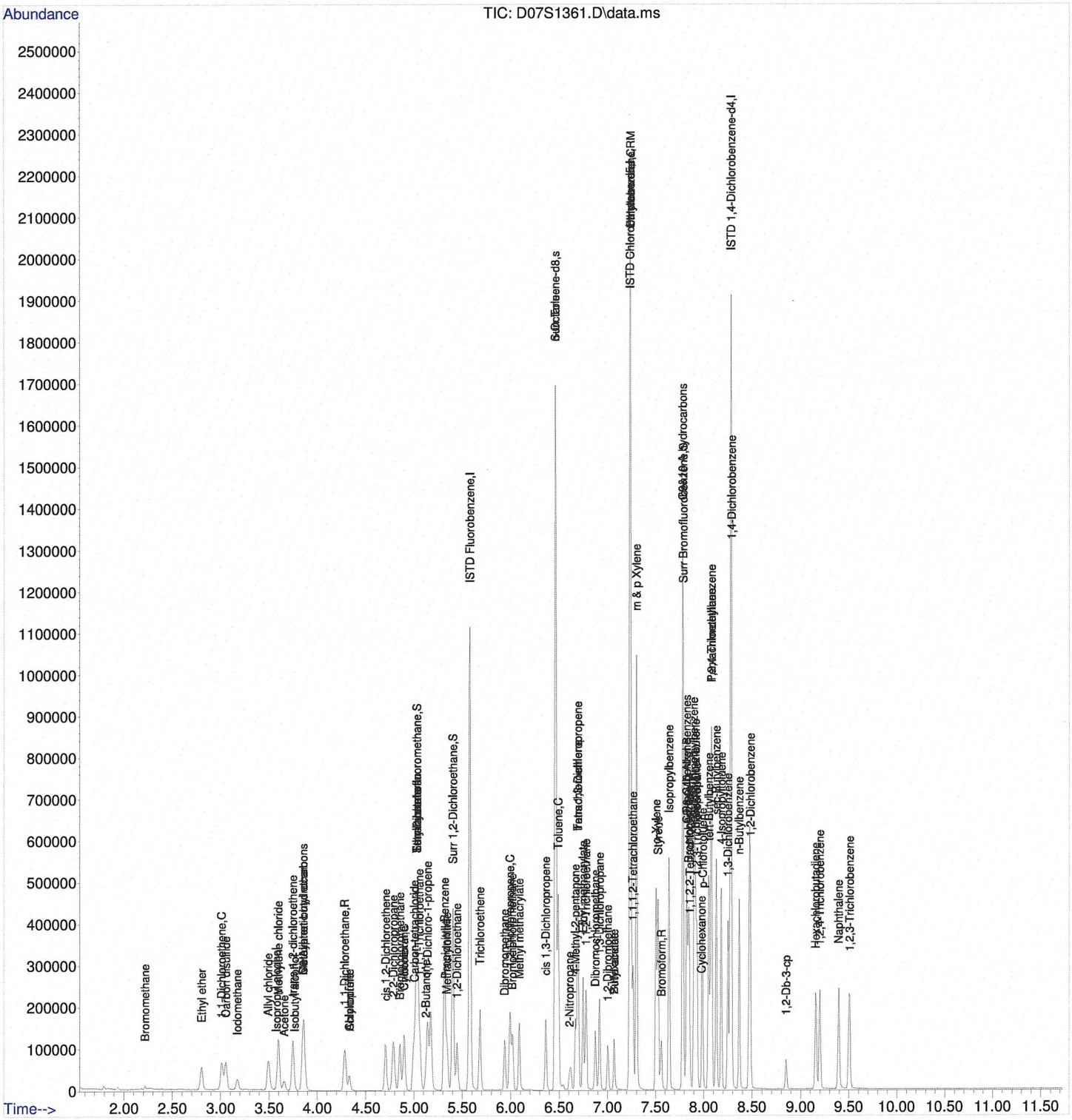
Quant Time: Jun 12 08:01:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_58.M
Quant Title : VOA Calibration
QLast Update : Mon Jun 04 17:30:18 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\JUNE12-C\12JUNE12\
Data File : D07S1361.D
Acq On : 12 Jun 2012 10:13 am
Operator :
Sample : 1206136-001AMS
Misc : MS 5.0ML 3 OF 3 SB
ALS Vial : 12 Sample Multiplier: 1

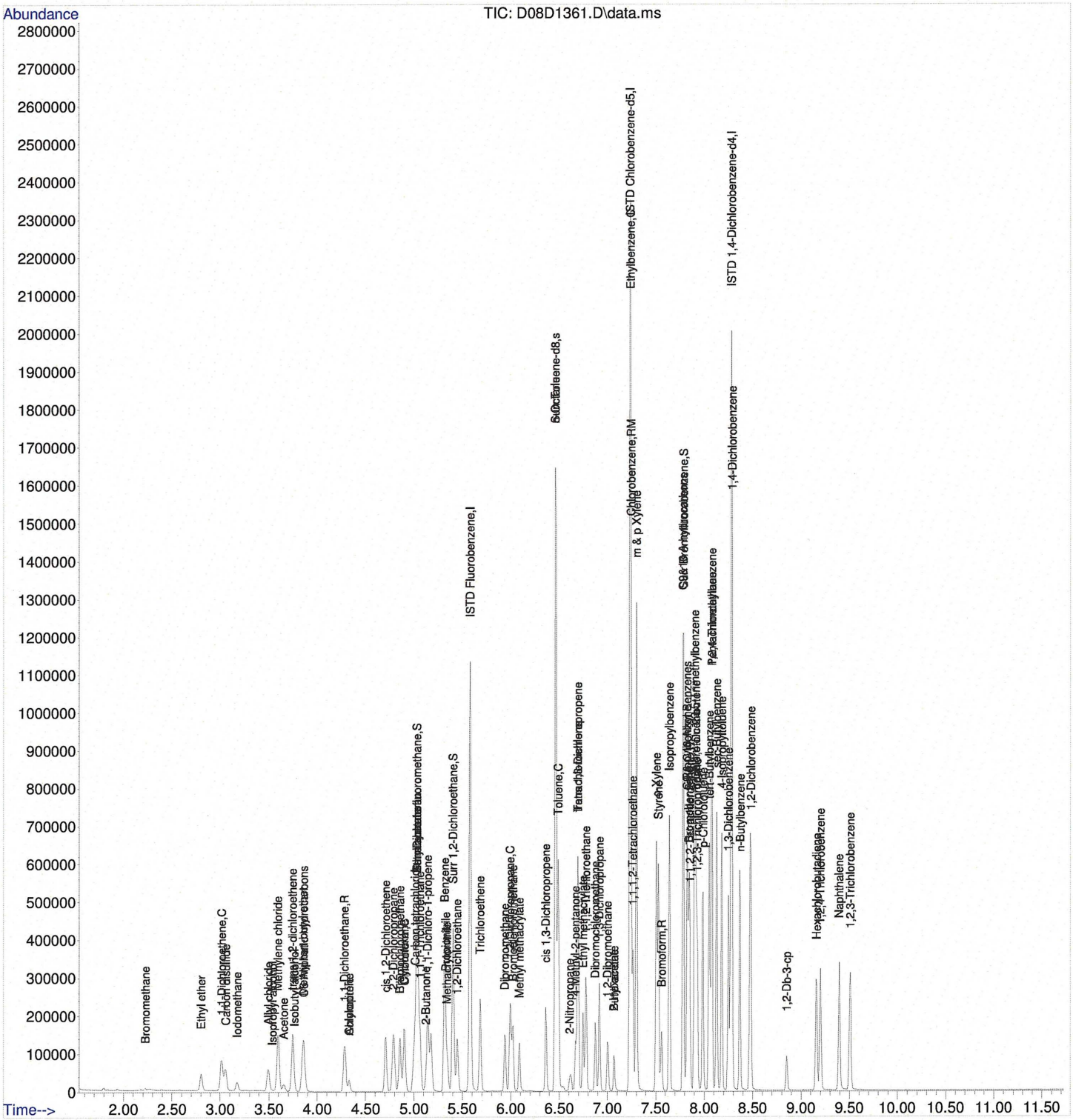
Quant Time: Jun 12 10:25:29 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_58.M
Quant Title : VOA Calibration
QLast Update : Mon Jun 04 17:30:18 2012
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\JUNE12-C\12JUNE12\
Data File : D08D1361.D
Acq On : 12 Jun 2012 10:32 am
Operator :
Sample : 1206136-001AMSD
Misc : MSD 5.0ML 3 OF 3 SB
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 12 10:44:41 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_58.M
Quant Title : VOA Calibration
QLast Update : Mon Jun 04 17:30:18 2012
Response via : Initial Calibration



American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: 1206136
Page 1 of 1 6/11/2012

Client: Denison Mines
Client ID: DEN100 **Contact:** Jo Ann Tischler
Project: Semi Annual 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.; Sample was field filtered, per sample container for the tin.;

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1206136-001A	MW-20_06042012	6/4/2012 1235h	6/8/2012 0835h	6/19/2012	Aqueous	8260-W	☑	vOc	3
1206136-001B						200.8-DIS	☑	DF - metals	1
	SEL Analytes: SN								
1206136-002A	Trip Blank	6/4/2012				8260-W	☑	vOc	3

DENISON MINES

Sheet 1 of 1

1206136

CHAIN OF CUSTODY

Samples Shipped to: American West Analytical Lab
463 West 3600 South
Salt Lake City, Ut 84115

Contact: Garrin Palmer or David Turk
Ph: 435 678 2221
gpalmer@denisonmines.com
dturk@denisonmines.com
tholliday@denisonmines.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
Semiannual Ground Water 2012	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-20_06042012	6/4/2012	1235	THF,TIN
Trip Blank	6-4-12	—	THF
			Sample was field filtered per bottle, for Tin.
			No prep required per Kathy Weinel.

Please notify Garrin Palmer or Tanner Holliday of Reciept tempature on these samples Immediately! Thank you.

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	6/7/2012 1100		
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
		Edna Hay	6/8/12 835

Lab Set ID: 1206136

Samples Were:	COC Tape Was:	Container Type:	No. Rec.
☒ Shipped By: Fed-X	**Present on Outer Package**	☐ AWAL Supplied Plastic	
☐ Hand Delivered	☒ Yes ☐ No ☐ N/A	☐ AWAL Supplied Clear Glass	
☐ Ambient	**Unbroken on Outer package**	☐ AWAL Supplied Amber Glass	
☒ Chilled	☒ Yes ☐ No ☐ N/A	☐ AWAL Supplied VOA/TOC/TOX Vials	
Temperature 3.0 °C	**Present on Sample**	☐ Amber ☐ Clear ☐ Headspace ☐ No Headspace	
Rec. Broken/Leaking ☐ Yes ☒ No ☐ N/A	☐ Yes ☐ No ☒ N/A	☐ Non AWAL Supplied Container	
Notes:	**Unbroken on Sample**	**Notes:** 6/4/12	
Properly Preserved ☒ Yes ☐ No ☐ N/A	☐ Yes ☐ No ☒ N/A		
Notes:	**Notes:**		
Rec. Within Hold ☒ Yes ☐ No		**Discrepancies Between Labels and COC** ☐ Yes ☒ No	
Notes:		**Notes:**	

Bottle Type	Preservative	All pHs OK	1													
Ammonia	pH <2 H_2SO_4															
COD	pH <2 H_2SO_4															
Cyanide	PH >12 NaOH															
Metals	pH <2 HNO_3		Yes													
NO_2 & NO_3	pH <2 H_2SO_4															
Nutrients	pH <2 H_2SO_4															
O & G	pH <2 HCL															
Phenols	pH <2 H_2SO_4															
Sulfide	pH > 9NaOH, ZnAC															
TKN	pH <2 H_2SO_4															
TOC	pH <2 H_3PO_4															
T PO_4	pH <2 H_2SO_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 2012

Dear Jo Ann Tischler: Lab Set ID: 1206289

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

American West Analytical Laboratories received 8 sample(s) on 6/19/2012 for the analyses presented in the following report.

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.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Kyle F. Gross
Digitally signed by Kyle F. Gross
DN: cn=Kyle F. Gross, o=AWAL, ou=AWAL, email=kyle@awal-labs.com, c=US
Date: 2012.06.27 14:56:38 -06'00'

Laboratory Director or designee

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

SAMPLE SUMMARY

Client: Denison Mines
Project: Semi Annual Ground Water 2012
Lab Set ID: 1206289
Date Received: 6/19/2012 1020h

Contact: Jo Ann Tischler

Lab Sample ID	Client Sample ID	Date Collected		Matrix	Analysis
1206289-001A	MW-01_05012012	5/1/2012	945h	Aqueous	ICPMS Metals, Dissolved
1206289-002A	MW-18_04302012	4/30/2012	1455h	Aqueous	ICPMS Metals, Dissolved
1206289-003A	MW-25_05022012	5/2/2012	1050h	Aqueous	ICPMS Metals, Dissolved
1206289-004A	MW-27_05012012	5/1/2012	1430h	Aqueous	ICPMS Metals, Dissolved
1206289-005A	MW-30_05022012	5/2/2012	1450h	Aqueous	ICPMS Metals, Dissolved
1206289-006A	MW-31_05022012	5/2/2012	1255h	Aqueous	ICPMS Metals, Dissolved
1206289-007A	MW-32_04302012	4/30/2012	1520h	Aqueous	ICPMS Metals, Dissolved
1206289-008A	MW-35_05022012	5/2/2012	1430h	Aqueous	ICPMS Metals, Dissolved

463 West 3600 South
Salt Lake City, UT 84115

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web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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e-mail: awal@awal-labs.com

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Inorganic Case Narrative

Client:	Denison Mines
Contact:	Jo Ann Tischler
Project:	Semi Annual Ground Water 2012
Lab Set ID:	1206289

Sample Receipt Information:

Date of Receipt:	6/19/2012
Date of Collection:	4/30, 5/1 & 5/2/2012
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.

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

American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: 1206289
Page 1 of 1 6/20/2012

Client: Denison Mines
Client ID: DEN100 **Contact:** Jo Ann Tischler
Project: Semi Annual Ground Water 2012 **QC Level:** LEVEL III **WO Type:** Project
Comments: PA Rush. QC 3 & Summary. EDD-Denison. CC kathy.weinel@gmail.com. Run Tin by 200.8; no digestion. Report in 100ppb./ samples have been field filtered.;

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1206289-001A	MW-01_05012012 **SEL Analytes: SN**	5/1/2012 0945h	6/19/2012 1020h	6/28/2012	Aqueous	200.8-DIS	☑	MET	1
1206289-002A	MW-18_04302012 **SEL Analytes: SN**	4/30/2012 1455h				200.8-DIS	☑	MET	
1206289-003A	MW-25_05022012 **SEL Analytes: SN**	5/2/2012 1050h				200.8-DIS	☑	MET	
1206289-004A	MW-27_05012012 **SEL Analytes: SN**	5/1/2012 1430h				200.8-DIS	☑	MET	
1206289-005A	MW-30_05022012 **SEL Analytes: SN**	5/2/2012 1450h				200.8-DIS	☑	MET	
1206289-006A	MW-31_05022012 **SEL Analytes: SN**	5/2/2012 1255h				200.8-DIS	☑	MET	
1206289-007A	MW-32_04302012 **SEL Analytes: SN**	4/30/2012 1520h				200.8-DIS	☑	MET	
1206289-008A	MW-35_05022012 **SEL Analytes: SN**	5/2/2012 1430h				200.8-DIS	☑	MET	

1206289

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT (Provide as much information as possible.)

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
Denison Mines	Semiannual Groundwater 2012	State: UT	Yes ☒ No ☐
Report Mail Address: PO BOX 809 Blanding UT 84511	**Contact Name:** Garrin Palmer **Phone/Fax:** 435 678 2221	**Email:**	**Sampler: (Please Print)** Tanner Holliday
Invoice Address: Same	**Invoice Contact & Phone:** David Turk 435 678 2221	**Purchase Order:**	**Quote/Bottle Order:**

Special Report/Formats:

QC 3 ✓ 6/19/12

☐ DW
☐ POTW/WWTP
☐ State: _____
☐ Other: _____
☒ EDD/EDT (Electronic Data) Format: Locus
☐ LEVEL IV
☐ NELAC

Number of Containers
Sample Type: A Air W Water S Soils/Solids V Vegetation B Bioassay O Other D DW - Drinking Water

ANALYSIS REQUESTED

Standard Turnaround (TAT) — RUSH

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: FE. NOA
Cooler ID(s): 2 Chen F
Receipt Temp: 2.0 °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	Quote # C1640	SEE ATTACHED	Comments
1	MW-01_05012012	5/1/12	0945	G-W	X		Samples forwarded to AWAL for Tds analysis 6-15-12 KLS
2	MW-18_04302012	4/30/12	1455	G-W	X		
3	MW-25_05022012	5/2/12	1050	G-W	X		
4	MW-27_05012012	5/1/12	1430	G-W	X		
5	MW-30_05022012	5/2/12	1450	G-W	X		
6	MW-31_05022012	5/2/12	1255	G-W	X		
7	MW-32_04302012	4/30/12	1520	G-W	X		No digestion FIELD FILTERED
8	MW-35_05022012	5/2/12	1430	G-W	X		PER KATHY WEINEL ✓ 6/19/12
9	Trip Blank 6744	4/30/12		B			
10	TEMP BLANK 6744 ICnG			2W			

LABORATORY USE ONLY — E12050196

Custody Record MUST be Signed

Relinquished by (print): Tanner Holliday	Date/Time: 5/3/2012 1100	Signature: Tanner Holliday	Received by (print): E. Hayward	Date/Time: 6/19/12 1120	Signature: E. Hay
Relinquished by (print): Jesse Schneider	Date/Time: 6-15-12 15:45	Signature:	Received by (print):	Date/Time:	Signature:
Sample Disposal: Return to Client: _____	Lab Disposal: _____		Received by Laboratory:	Date/Time: 6-19-12 10:15	Signature: K:J 6:58

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.

RE

Lab Set ID: 1206289

Samples Were:	COC Tape Was:	Container Type:	No. Rec.
☒ Shipped By: Fed-X	**Present on Outer Package** ☐ Yes ☐ No ☒ N/A	☐ AWAL Supplied Plastic	
☐ Hand Delivered		☐ AWAL Supplied Clear Glass	
☒ Ambient	**Unbroken on Outer package** ☐ Yes ☐ No ☒ N/A	☐ AWAL Supplied Amber Glass	
☐ Chilled		☐ AWAL Supplied VOA/TOC/TOX Vials	
Temperature 23 °C	**Present on Sample** ☐ Yes ☐ No ☒ N/A	☐ Amber ☐ Clear ☐ Headspace ☐ No Headspace	
Rec. Broken/Leaking ☐ Yes ☒ No ☐ N/A		☐ Non AWAL Supplied Container	
Notes:	**Unbroken on Sample** ☐ Yes ☐ No ☒ N/A	**Notes:**	
Properly Preserved ☒ Yes ☐ No ☐ N/A	**Notes:**		
Notes:			
Rec. Within Hold ☒ Yes ☐ No		**Discrepancies Between Labels and COC** ☐ Yes ☒ No	
Notes:		**Notes:**	

Bottle Type	Preservative	All pHs OK	1	2	3	4	5	6	7	8						
Ammonia	pH <2 H_2SO_4															
COD	pH <2 H_2SO_4															
Cyanide	PH >12 NaOH															
Metals	pH <2 HNO_3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes						
NO_2 & NO_3	pH <2 H_2SO_4															
Nutrients	pH <2 H_2SO_4															
O & G	pH <2 HCL															
Phenols	pH <2 H_2SO_4															
Sulfide	pH > 9NaOH, ZnAC															
TKN	pH <2 H_2SO_4															
TOC	pH <2 H_3PO_4															
T PO_4	pH <2 H_2SO_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

June 27, 2012

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12050196 Quote ID: C1640 - POC Wells

Project Name: Semi-Annual Groundwater 2012

Energy Laboratories, Inc. Casper WY received the following 10 samples for Denison Mines USA Corp on 5/4/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12050196-001	MW-01_05012012	05/01/12 9:45	05/04/12	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 Sulfate SW8260B VOCs, Standard List
C12050196-002	MW-18_04302012	04/30/12 14:55	05/04/12	Aqueous	Same As Above
C12050196-003	MW-25_05022012	05/02/12 10:50	05/04/12	Aqueous	Same As Above
C12050196-004	MW-27_05012012	05/01/12 14:30	05/04/12	Aqueous	Same As Above
C12050196-005	MW-30_05022012	05/02/12 14:50	05/04/12	Aqueous	Same As Above
C12050196-006	MW-31_05022012	05/02/12 12:55	05/04/12	Aqueous	Same As Above
C12050196-007	MW-32_04302012	04/30/12 15:20	05/04/12	Aqueous	Same As Above
C12050196-008	MW-35_05022012	05/02/12 14:30	05/04/12	Aqueous	Same As Above
C12050196-009	Trip Blank 6746	05/02/12 0:00	05/04/12	Aqueous	SW8260B VOCs, Standard List
C12050196-010	Temp Blank	05/03/12 0:00	05/04/12	Aqueous	Temperature

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.

The results as reported relate only to the item(s) submitted for testing. Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. Data corrected for moisture content are typically noted as - dry on the report. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

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: 2012.06.27 15:33:28 -06:00

CLIENT: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Sample Delivery Group: C12050196

Revised Date: 06/27/12
Report Date: 05/30/12

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 June 27, 2012 for the correction of the RL for Cobalt on sample MW-25 and for Cadmium on sample MW-35.

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: Semi-Annual Groundwater 2012

Revised Date: 06/27/12
Report Date: 05/30/12

Lab ID: C12050196-001
Client Sample ID: MW-01_05012012

Collection Date: 05/01/12 09:45
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.44	s.u.	H	0.01		A4500-H B	05/04/12 15:22 / ab

Lab ID: C12050196-002
Client Sample ID: MW-18_04302012

Collection Date: 04/30/12 14:55
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.80	s.u.	H	0.01		A4500-H B	05/04/12 15:25 / ab

Lab ID: C12050196-003
Client Sample ID: MW-25_05022012

Collection Date: 05/02/12 10:50
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.95	s.u.	H	0.01		A4500-H B	05/04/12 15:27 / ab

Lab ID: C12050196-004
Client Sample ID: MW-27_05012012

Collection Date: 05/01/12 14:30
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.38	s.u.	H	0.01		A4500-H B	05/04/12 15:30 / 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: Semi-Annual Groundwater 2012

Revised Date: 06/27/12
Report Date: 05/30/12

Lab ID: C12050196-005
Client Sample ID: MW-30_05022012

Collection Date: 05/02/12 14:50
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.23	s.u.	H	0.01		A4500-H B	05/04/12 15:33 / ab

Lab ID: C12050196-006
Client Sample ID: MW-31_05022012

Collection Date: 05/02/12 12:55
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.51	s.u.	H	0.01		A4500-H B	05/04/12 15:35 / ab

Lab ID: C12050196-007
Client Sample ID: MW-32_04302012

Collection Date: 04/30/12 15:20
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.70	s.u.	H	0.01		A4500-H B	05/04/12 15:38 / ab

Lab ID: C12050196-008
Client Sample ID: MW-35_05022012

Collection Date: 05/02/12 14:30
DateReceived: 05/04/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.92	s.u.	H	0.01		A4500-H B	05/04/12 15:44 / 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: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R159298
Sample ID: MBLK	3	Method Blank				Run: MANTECH_120504A				05/04/12 13:41
Alkalinity, Total as CaCO3		ND	mg/L	5.0						
Carbonate as CO3		ND	mg/L	1.0						
Bicarbonate as HCO3		4.83	mg/L	1.0						
Sample ID: LCS-6677		Laboratory Control Sample				Run: MANTECH_120504A				05/04/12 13:58
Alkalinity, Total as CaCO3		204	mg/L	5.0	100	90	110			
Sample ID: C12050194-004AMS		Sample Matrix Spike				Run: MANTECH_120504A				05/04/12 21:14
Alkalinity, Total as CaCO3		354	mg/L	5.0	99	80	120			
Sample ID: C12050196-005ADUP	3	Sample Duplicate				Run: MANTECH_120504A				05/04/12 22:35
Alkalinity, Total as CaCO3		152	mg/L	5.0				0.0	10	
Carbonate as CO3		ND	mg/L	5.0					10	
Bicarbonate as HCO3		185	mg/L	5.0				0.0	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C									Batch: TDS120504B	
Sample ID: MB-1_120504B		Method Blank				Run: BAL-1_120504C			05/04/12 16:41	
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	10						
Sample ID: LCS-2_120504B		Laboratory Control Sample				Run: BAL-1_120504C			05/04/12 16:41	
Solids, Total Dissolved TDS @ 180 C		999	mg/L	10	99	90	110			
Sample ID: C12050196-001A MS		Sample Matrix Spike				Run: BAL-1_120504C			05/04/12 16:48	
Solids, Total Dissolved TDS @ 180 C		2510	mg/L	10	99	90	110			
Sample ID: C12050200-001A DUP		Sample Duplicate				Run: BAL-1_120504C			05/04/12 16:50	
Solids, Total Dissolved TDS @ 180 C		1890	mg/L	10				1.1	5	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B									Batch: 120508A-CL-TTR-W	
Sample ID: MBLK9-120508A		Method Blank				Run: TITRATION_120508A			05/08/12 10:42	
Chloride		ND	mg/L	1.0						
Sample ID: C12050196-008AMS		Sample Matrix Spike				Run: TITRATION_120508A			05/08/12 11:23	
Chloride		180	mg/L	1.0	102	90	110			
Sample ID: C12050196-008AMSD		Sample Matrix Spike Duplicate				Run: TITRATION_120508A			05/08/12 11:25	
Chloride		178	mg/L	1.0	101	90	110	0.7	10	
Sample ID: LCS35-120508A		Laboratory Control Sample				Run: TITRATION_120508A			05/08/12 11:26	
Chloride		3580	mg/L	1.0	101	90	110			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-F C										Batch: R159338
Sample ID: MBLK		Method Blank				Run: MANTECH_120507A				05/07/12 09:13
Fluoride		ND	mg/L	0.10						
Sample ID: LCS-6622		Laboratory Control Sample				Run: MANTECH_120507A				05/07/12 09:16
Fluoride		2.04	mg/L	0.10	102	90	110			
Sample ID: C12050196-002AMS		Sample Matrix Spike				Run: MANTECH_120507A				05/07/12 12:37
Fluoride		2.04	mg/L	0.10	92	80	120			
Sample ID: C12050196-002AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_120507A				05/07/12 12:39
Fluoride		2.04	mg/L	0.10	92	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Analytical Run: PHSC_101-C_120504A	
Sample ID: pH 6.86		Initial Calibration Verification Standard							05/04/12 14:05	
pH		6.85	s.u.	0.010	100	98	102			
Method: A4500-H B									Batch: R159257	
Sample ID: C12050196-007ADUP		Sample Duplicate				Run: PHSC_101-C_120504A			05/04/12 15:41	
pH		6.70	s.u.	0.010				0.0	3	
Sample ID: C12050196-008ADUP		Sample Duplicate				Run: PHSC_101-C_120504A			05/04/12 15:46	
pH		6.91	s.u.	0.010				0.1	3	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G										Batch: R159537
Sample ID: MBLK-1		Method Blank				Run: TECHNICON_120511A				05/11/12 11:56
Nitrogen, Ammonia as N		ND	mg/L	0.050						
Sample ID: LCS-2		Laboratory Control Sample				Run: TECHNICON_120511A				05/11/12 11:58
Nitrogen, Ammonia as N		2.08	mg/L	0.050	104	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_120511A				05/11/12 12:00
Nitrogen, Ammonia as N		1.93	mg/L	0.050	98	80	120			
Sample ID: C12050196-006CMS		Sample Matrix Spike				Run: TECHNICON_120511A				05/11/12 13:30
Nitrogen, Ammonia as N		2.07	mg/L	0.050	106	90	110			
Sample ID: C12050196-006CMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_120511A				05/11/12 13:32
Nitrogen, Ammonia as N		2.04	mg/L	0.050	104	90	110	1.5	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E									Batch: 120510_2_SO4-TURB-W	
Sample ID: LCS-1_120510		Laboratory Control Sample				Run: TURB-2_120510A			05/10/12 11:48	
Sulfate		5030	mg/L	100	105	90	110			
Sample ID: MBLK-1_120510		Method Blank				Run: TURB-2_120510A			05/10/12 11:49	
Sulfate		ND	mg/L	10						
Sample ID: C12050196-005AMS		Sample Matrix Spike				Run: TURB-2_120510A			05/10/12 12:26	
Sulfate		897	mg/L	10	104	90	110			
Sample ID: C12050196-005AMSD		Sample Matrix Spike Duplicate				Run: TURB-2_120510A			05/10/12 12:28	
Sulfate		895	mg/L	10	103	90	110	0.2	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP2-C_120510A	
Sample ID: ICV	3	Initial Calibration Verification Standard							05/10/12 11:55	
Calcium		48.2	mg/L	0.50	96	95	105			
Iron		4.93	mg/L	0.030	99	95	105			
Magnesium		48.5	mg/L	0.50	97	95	105			
Sample ID: ICSA	3	Interference Check Sample A							05/10/12 12:20	
Calcium		472	mg/L	0.50	94	80	120			
Iron		189	mg/L	0.030	95	80	120			
Magnesium		490	mg/L	0.50	98	80	120			
Sample ID: ICSAB	3	Interference Check Sample AB							05/10/12 12:24	
Calcium		469	mg/L	0.50	94	80	120			
Iron		187	mg/L	0.030	93	80	120			
Magnesium		483	mg/L	0.50	97	80	120			
Method: E200.7									Batch: R159522	
Sample ID: MB-120510A	3	Method Blank				Run: ICP2-C_120510A			05/10/12 12:44	
Calcium		ND	mg/L	0.50						
Iron		ND	mg/L	0.030						
Magnesium		ND	mg/L	0.50						
Sample ID: LFB-120510A	3	Laboratory Fortified Blank				Run: ICP2-C_120510A			05/10/12 12:48	
Calcium		43.7	mg/L	0.50	87	85	115			
Iron		0.862	mg/L	0.030	86	85	115			
Magnesium		43.8	mg/L	0.50	88	85	115			
Sample ID: C12050272-004BMS2	3	Sample Matrix Spike				Run: ICP2-C_120510A			05/10/12 19:40	
Calcium		540	mg/L	0.50		70	130			
Iron		2.70	mg/L	0.030	97	70	130			
Magnesium		249	mg/L	0.50		70	130			
Sample ID: C12050272-004BMSD	3	Sample Matrix Spike Duplicate				Run: ICP2-C_120510A			05/10/12 19:56	
Calcium		543	mg/L	0.50		70	130	0.6	20	A
Iron		2.69	mg/L	0.030	96	70	130	0.4	20	
Magnesium		246	mg/L	0.50		70	130	1.2	20	A

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

Revised Date: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP2-C_120511A	
Sample ID: ICV	4	Initial Calibration Verification Standard							05/11/12 16:58	
Calcium		49.4	mg/L	0.50	99	95	105			
Magnesium		49.1	mg/L	0.50	98	95	105			
Potassium		49.7	mg/L	0.50	99	95	105			
Sodium		50.5	mg/L	0.50	101	95	105			
Sample ID: ICSA	4	Interference Check Sample A							05/11/12 17:19	
Calcium		491	mg/L	0.50	98	80	120			
Magnesium		508	mg/L	0.50	102	80	120			
Potassium		0.0934	mg/L	0.50						
Sodium		0.520	mg/L	0.50						
Sample ID: ICSAB	4	Interference Check Sample AB							05/11/12 17:23	
Calcium		530	mg/L	0.50	106	80	120			
Magnesium		548	mg/L	0.50	110	80	120			
Potassium		0.0343	mg/L	0.50						
Sodium		0.588	mg/L	0.50						
Method: E200.7									Batch: R159547	
Sample ID: MB-120511A	4	Method Blank				Run: ICP2-C_120511A			05/11/12 17:43	
Calcium		ND	mg/L	0.50						
Magnesium		ND	mg/L	0.50						
Potassium		ND	mg/L	0.50						
Sodium		ND	mg/L	0.60						
Sample ID: LFB-120511A	4	Laboratory Fortified Blank				Run: ICP2-C_120511A			05/11/12 17:47	
Calcium		49.4	mg/L	0.50	99	85	115			
Magnesium		48.2	mg/L	0.50	96	85	115			
Potassium		44.5	mg/L	0.50	89	85	115			
Sodium		44.7	mg/L	0.50	89	85	115			
Sample ID: C12050404-004BMS2	4	Sample Matrix Spike				Run: ICP2-C_120511A			05/12/12 08:56	
Calcium		238	mg/L	1.0	90	70	130			
Magnesium		233	mg/L	1.0	90	70	130			
Potassium		257	mg/L	1.0	98	70	130			
Sodium		1030	mg/L	1.6	69	70	130			S
Sample ID: C12050404-004BMSD	4	Sample Matrix Spike Duplicate				Run: ICP2-C_120511A			05/12/12 09:00	
Calcium		239	mg/L	1.0	91	70	130	0.7	20	
Magnesium		234	mg/L	1.0	90	70	130	0.4	20	
Potassium		261	mg/L	1.0	100	70	130	1.4	20	
Sodium		1050	mg/L	1.6	79	70	130	2.3	20	

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: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS2-C_120508A	
Sample ID: ICV	16	Initial Calibration Verification Standard							05/08/12 12:26	
Arsenic		0.0499	mg/L	0.0010	100	90	110			
Beryllium		0.0498	mg/L	0.0010	100	90	110			
Cadmium		0.0500	mg/L	0.0010	100	90	110			
Chromium		0.0491	mg/L	0.0010	98	90	110			
Cobalt		0.0501	mg/L	0.0010	100	90	110			
Copper		0.0500	mg/L	0.0010	100	90	110			
Lead		0.0492	mg/L	0.0010	98	90	110			
Manganese		0.0492	mg/L	0.0010	98	90	110			
Mercury		0.00492	mg/L	0.0010	98	90	110			
Molybdenum		0.0516	mg/L	0.0010	103	90	110			
Nickel		0.0498	mg/L	0.0010	100	90	110			
Selenium		0.0509	mg/L	0.0010	102	90	110			
Thallium		0.0508	mg/L	0.0010	101	90	110			
Uranium		0.0509	mg/L	0.00030	102	90	110			
Vanadium		0.0498	mg/L	0.0010	100	90	110			
Zinc		0.0497	mg/L	0.0010	99	90	110			
Method: E200.8									Batch: R159412	
Sample ID: LRB	16	Method Blank				Run: ICPMS2-C_120508A			05/08/12 12:49	
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						
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	16	Laboratory Fortified Blank				Run: ICPMS2-C_120508A			05/08/12 12:52	
Arsenic		0.0506	mg/L	0.0010	101	85	115			
Beryllium		0.0509	mg/L	0.0010	102	85	115			
Cadmium		0.0501	mg/L	0.0010	100	85	115			
Chromium		0.0497	mg/L	0.0010	99	85	115			
Cobalt		0.0490	mg/L	0.0010	98	85	115			
Copper		0.0481	mg/L	0.0010	96	85	115			
Lead		0.0499	mg/L	0.0010	100	85	115			
Manganese		0.0492	mg/L	0.0010	98	85	115			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R159412
Sample ID: LFB	16	Laboratory Fortified Blank				Run: ICPMS2-C_120508A				05/08/12 12:52
Mercury		0.00532	mg/L	0.0010	106	85	115			
Molybdenum		0.0527	mg/L	0.0010	105	85	115			
Nickel		0.0485	mg/L	0.0010	97	85	115			
Selenium		0.0496	mg/L	0.0010	99	85	115			
Thallium		0.0515	mg/L	0.0010	103	85	115			
Uranium		0.0525	mg/L	0.00030	105	85	115			
Vanadium		0.0510	mg/L	0.0010	102	85	115			
Zinc		0.0495	mg/L	0.0010	99	85	115			
Sample ID: C12050196-008BMS	16	Sample Matrix Spike				Run: ICPMS2-C_120508A				05/08/12 15:17
Arsenic		0.253	mg/L	0.0010	101	70	130			
Beryllium		0.232	mg/L	0.0010	93	70	130			
Cadmium		0.245	mg/L	0.0010	98	70	130			
Chromium		0.240	mg/L	0.0010	96	70	130			
Cobalt		0.240	mg/L	0.0010	95	70	130			
Copper		0.238	mg/L	0.0010	94	70	130			
Lead		0.249	mg/L	0.0010	100	70	130			
Manganese		0.480	mg/L	0.0010	93	70	130			
Mercury		0.0262	mg/L	0.0010	105	70	130			
Molybdenum		0.268	mg/L	0.0010	107	70	130			
Nickel		0.254	mg/L	0.0010	97	70	130			
Selenium		0.270	mg/L	0.0013	103	70	130			
Thallium		0.259	mg/L	0.0010	103	70	130			
Uranium		0.285	mg/L	0.00050	105	70	130			
Vanadium		0.250	mg/L	0.0010	100	70	130			
Zinc		0.242	mg/L	0.0010	83	70	130			
Sample ID: C12050196-008BMSD	16	Sample Matrix Spike Duplicate				Run: ICPMS2-C_120508A				05/08/12 15:19
Arsenic		0.247	mg/L	0.0010	98	70	130	2.2	20	
Beryllium		0.234	mg/L	0.0010	94	70	130	1.0	20	
Cadmium		0.241	mg/L	0.0010	96	70	130	1.7	20	
Chromium		0.232	mg/L	0.0010	93	70	130	3.5	20	
Cobalt		0.237	mg/L	0.0010	94	70	130	1.5	20	
Copper		0.234	mg/L	0.0010	92	70	130	1.8	20	
Lead		0.244	mg/L	0.0010	98	70	130	1.8	20	
Manganese		0.459	mg/L	0.0010	85	70	130	4.5	20	
Mercury		0.0256	mg/L	0.0010	102	70	130	2.6	20	
Molybdenum		0.265	mg/L	0.0010	106	70	130	0.8	20	
Nickel		0.249	mg/L	0.0010	95	70	130	1.9	20	
Selenium		0.266	mg/L	0.0013	102	70	130	1.4	20	
Thallium		0.256	mg/L	0.0010	102	70	130	1.1	20	
Uranium		0.281	mg/L	0.00050	103	70	130	1.4	20	
Vanadium		0.240	mg/L	0.0010	96	70	130	4.0	20	
Zinc		0.236	mg/L	0.0010	81	70	130	2.6	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS4-C_120509A	
Sample ID: ICV	11	Initial Calibration Verification Standard							05/09/12 11:02	
Arsenic		0.0494	mg/L	0.0010	99	90	110			
Beryllium		0.0508	mg/L	0.0010	102	90	110			
Chromium		0.0498	mg/L	0.0010	100	90	110			
Cobalt		0.0506	mg/L	0.0010	101	90	110			
Copper		0.0508	mg/L	0.0010	102	90	110			
Manganese		0.0501	mg/L	0.0010	100	90	110			
Molybdenum		0.0505	mg/L	0.0010	101	90	110			
Nickel		0.0504	mg/L	0.0010	101	90	110			
Selenium		0.0512	mg/L	0.0010	102	90	110			
Silver		0.0211	mg/L	0.0010	106	90	110			
Vanadium		0.0495	mg/L	0.0010	99	90	110			
Method: E200.8									Batch: R159470A	
Sample ID: C12050295-001BMS4	11	Sample Matrix Spike				Run: ICPMS4-C_120509A			05/09/12 14:37	
Arsenic		0.0535	mg/L	0.0010	101	70	130			
Beryllium		0.0523	mg/L	0.0010	105	70	130			
Chromium		0.0495	mg/L	0.0050	99	70	130			
Cobalt		0.0506	mg/L	0.0050	101	70	130			
Copper		0.0495	mg/L	0.0050	98	70	130			
Manganese		0.0560	mg/L	0.0010	103	70	130			
Molybdenum		0.0528	mg/L	0.0010	103	70	130			
Nickel		0.0488	mg/L	0.0050	98	70	130			
Selenium		0.0512	mg/L	0.0010	102	70	130			
Silver		0.0187	mg/L	0.0010	94	70	130			
Vanadium		0.0522	mg/L	0.010	102	70	130			
Sample ID: C12050295-001BMSD	11	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120509A			05/09/12 14:41	
Arsenic		0.0569	mg/L	0.0010	108	70	130	6.0	20	
Beryllium		0.0542	mg/L	0.0010	108	70	130	3.6	20	
Chromium		0.0524	mg/L	0.0050	105	70	130	5.6	20	
Cobalt		0.0513	mg/L	0.0050	103	70	130	1.2	20	
Copper		0.0524	mg/L	0.0050	103	70	130	5.7	20	
Manganese		0.0567	mg/L	0.0010	104	70	130	1.3	20	
Molybdenum		0.0537	mg/L	0.0010	105	70	130	1.7	20	
Nickel		0.0516	mg/L	0.0050	103	70	130	5.7	20	
Selenium		0.0537	mg/L	0.0010	107	70	130	4.7	20	
Silver		0.0191	mg/L	0.0010	96	70	130	2.3	20	
Vanadium		0.0545	mg/L	0.010	106	70	130	4.3	20	
Sample ID: LRB	11	Method Blank				Run: ICPMS4-C_120509A			05/09/12 11:43	
Arsenic		ND	mg/L	0.0050						
Beryllium		ND	mg/L	0.00050						
Chromium		ND	mg/L	0.020						
Cobalt		ND	mg/L	0.010						
Copper		ND	mg/L	0.010						

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R159470A
Sample ID: LRB	11	Method Blank				Run: ICPMS4-C_120509A				05/09/12 11:43
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						
Vanadium		ND	mg/L	0.010						
Sample ID: LFB	11	Laboratory Fortified Blank				Run: ICPMS4-C_120509A				05/09/12 11:48
Arsenic		0.0458	mg/L	0.0010	92	85	115			
Beryllium		0.0465	mg/L	0.0010	93	85	115			
Chromium		0.0457	mg/L	0.0010	91	85	115			
Cobalt		0.0457	mg/L	0.0010	91	85	115			
Copper		0.0462	mg/L	0.0010	92	85	115			
Manganese		0.0460	mg/L	0.0010	92	85	115			
Molybdenum		0.0459	mg/L	0.0010	92	85	115			
Nickel		0.0459	mg/L	0.0010	92	85	115			
Selenium		0.0459	mg/L	0.0010	92	85	115			
Silver		0.0177	mg/L	0.0010	89	85	115			
Vanadium		0.0454	mg/L	0.0010	91	85	115			
Method: E200.8										Analytical Run: ICPMS4-C_120510A
Sample ID: ICV	2	Initial Calibration Verification Standard								05/10/12 11:24
Beryllium		0.0500	mg/L	0.0010	100	90	110			
Zinc		0.0504	mg/L	0.0010	101	90	110			
Method: E200.8										Batch: R159487A
Sample ID: LRB	2	Method Blank				Run: ICPMS4-C_120510A				05/10/12 12:01
Beryllium		ND	mg/L	0.00050						
Zinc		ND	mg/L	0.010						
Sample ID: LFB	2	Laboratory Fortified Blank				Run: ICPMS4-C_120510A				05/10/12 12:05
Beryllium		0.0551	mg/L	0.0010	110	85	115			
Zinc		0.0570	mg/L	0.0010	114	85	115			
Sample ID: C12050272-004BMS	2	Sample Matrix Spike				Run: ICPMS4-C_120510A				05/10/12 13:19
Beryllium		0.0461	mg/L	0.0010	92	70	130			
Zinc		0.0462	mg/L	0.0010	90	70	130			
Sample ID: C12050272-004BMSD	2	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120510A				05/10/12 13:24
Beryllium		0.0493	mg/L	0.0010	99	70	130	6.6	20	
Zinc		0.0466	mg/L	0.0010	91	70	130	0.9	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS4-C_120523A	
Sample ID: ICV	3	Initial Calibration Verification Standard							05/23/12 14:54	
Cobalt		0.0475	mg/L	0.0010	95	90	110			
Manganese		0.0472	mg/L	0.0010	94	90	110			
Zinc		0.0497	mg/L	0.0010	99	90	110			
Method: E200.8									Batch: R159991A	
Sample ID: C12050822-002AMS4	3	Sample Matrix Spike				Run: ICPMS4-C_120523A			05/23/12 20:43	
Cobalt		0.0427	mg/L	0.0050	85	70	130			
Manganese		0.0536	mg/L	0.0010	90	70	130			
Zinc		0.0587	mg/L	0.010	105	70	130			
Sample ID: C12050822-002AMSD	3	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120523A			05/23/12 20:47	
Cobalt		0.0437	mg/L	0.0050	87	70	130	2.3	20	
Manganese		0.0549	mg/L	0.0010	93	70	130	2.4	20	
Zinc		0.0588	mg/L	0.010	106	70	130	0.2	20	
Sample ID: LRB	3	Method Blank				Run: ICPMS4-C_120523A			05/23/12 15:30	
Cobalt		ND	mg/L	0.010						
Manganese		ND	mg/L	0.010						
Zinc		ND	mg/L	0.010						
Sample ID: LFB	3	Laboratory Fortified Blank				Run: ICPMS4-C_120523A			05/23/12 15:35	
Cobalt		0.0490	mg/L	0.0010	98	85	115			
Manganese		0.0491	mg/L	0.0010	98	85	115			
Zinc		0.0521	mg/L	0.0010	104	85	115			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R159337
Sample ID: MBLK-1		Method Blank				Run: TECHNICON_120507A				05/07/12 11:33
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.10						
Sample ID: LCS-2		Laboratory Control Sample				Run: TECHNICON_120507A				05/07/12 11:36
Nitrogen, Nitrate+Nitrite as N		2.39	mg/L	0.10	96	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_120507A				05/07/12 11:38
Nitrogen, Nitrate+Nitrite as N		1.89	mg/L	0.10	96	90	110			
Sample ID: C12050196-001CMS		Sample Matrix Spike				Run: TECHNICON_120507A				05/07/12 11:43
Nitrogen, Nitrate+Nitrite as N		1.99	mg/L	0.10	102	90	110			
Sample ID: C12050196-001CMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_120507A				05/07/12 11:46
Nitrogen, Nitrate+Nitrite as N		2.01	mg/L	0.10	103	90	110	1.0	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1										Batch: GA-0533
Sample ID: LCS-GA-0533		Laboratory Control Sample				Run: BERTHOLD 770-1_120515A				05/18/12 13:50
Gross Alpha minus Rn & U		21.1	pCi/L		103	70	130			
Sample ID: C12050272-002DMS		Sample Matrix Spike				Run: BERTHOLD 770-1_120515A				05/18/12 20:05
Gross Alpha minus Rn & U		53.3	pCi/L		114	70	130			
Sample ID: C12050272-002DMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-1_120515A				05/18/12 20:05
Gross Alpha minus Rn & U		46.1	pCi/L		98	70	130	14	17.5	
Sample ID: MB-GA-0533	3	Method Blank				Run: BERTHOLD 770-1_120515A				05/19/12 02:11
Gross Alpha minus Rn & U		-0.220	pCi/L							U
Gross Alpha minus Rn & U Precision (±)		0.0935	pCi/L							
Gross Alpha minus Rn & U MDC		0.216	pCi/L							

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: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R159451
Sample ID: 050812_LCS_4	16	Laboratory Control Sample				Run: SATURNCA_120508A				05/08/12 13:22
Acetone		96	ug/L	20	96	70	130			
Benzene		10	ug/L	1.0	104	70	130			
Carbon tetrachloride		9.8	ug/L	1.0	98	70	130			
Chloroform		9.8	ug/L	1.0	98	70	130			
Chloromethane		12	ug/L	1.0	119	70	130			
m+p-Xylenes		20	ug/L	1.0	100	70	130			
Methyl ethyl ketone		96	ug/L	20	96	70	130			
Methylene chloride		9.5	ug/L	1.0	95	70	130			
Naphthalene		10	ug/L	1.0	105	70	130			
o-Xylene		9.2	ug/L	1.0	92	70	130			
Toluene		10	ug/L	1.0	104	70	130			
Xylenes, Total		29	ug/L	1.0	97	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	99	80	120			
Surr: Dibromofluoromethane				1.0	100	70	130			
Surr: p-Bromofluorobenzene				1.0	103	80	130			
Surr: Toluene-d8				1.0	100	80	120			
Sample ID: 050812_MBLK_6	16	Method Blank				Run: SATURNCA_120508A				05/08/12 14:35
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	87	80	120			
Surr: Dibromofluoromethane				1.0	101	70	130			
Surr: p-Bromofluorobenzene				1.0	96	80	120			
Surr: Toluene-d8				1.0	93	80	120			
Sample ID: C12050194-001GMS	16	Sample Matrix Spike				Run: SATURNCA_120508A				05/08/12 20:47
Acetone		1900	ug/L	200	95	70	130			
Benzene		190	ug/L	10	94	70	130			
Carbon tetrachloride		190	ug/L	10	94	70	130			
Chloroform		180	ug/L	10	90	70	130			
Chloromethane		220	ug/L	10	108	70	130			
m+p-Xylenes		390	ug/L	10	99	70	130			
Methyl ethyl ketone		1800	ug/L	200	88	70	130			
Methylene chloride		190	ug/L	10	94	70	130			
Naphthalene		200	ug/L	10	102	70	130			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 06/27/12
Report Date: 05/30/12
Work Order: C12050196

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R159451
Sample ID: C12050194-001GMS	16	Sample Matrix Spike				Run: SATURNCA_120508A				05/08/12 20:47
o-Xylene		200	ug/L	10	99	70	130			
Toluene		190	ug/L	10	96	70	130			
Xylenes, Total		590	ug/L	10	99	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	98	80	120			
Surr: Dibromofluoromethane				1.0	95	70	130			
Surr: p-Bromofluorobenzene				1.0	102	80	120			
Surr: Toluene-d8				1.0	94	80	120			
Sample ID: C12050194-001GMSD	16	Sample Matrix Spike Duplicate				Run: SATURNCA_120508A				05/08/12 21:23
Acetone		2000	ug/L	200	102	70	130	7.7	20	
Benzene		210	ug/L	10	107	70	130	13	20	
Carbon tetrachloride		210	ug/L	10	106	70	130	13	20	
Chloroform		210	ug/L	10	103	70	130	13	20	
Chloromethane		240	ug/L	10	121	70	130	11	20	
m+p-Xylenes		440	ug/L	10	111	70	130	12	20	
Methyl ethyl ketone		1800	ug/L	200	90	70	130	1.8	20	
Methylene chloride		210	ug/L	10	105	70	130	11	20	
Naphthalene		210	ug/L	10	107	70	130	5.0	20	
o-Xylene		210	ug/L	10	105	70	130	5.9	20	
Toluene		220	ug/L	10	110	70	130	14	20	
Xylenes, Total		660	ug/L	10	109	70	130	10	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	89	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	94	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	98	80	120	0.0	10	
Surr: Toluene-d8				1.0	98	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

Workorder Receipt Checklist

Denison Mines USA Corp

C12050196

Login completed by: Kristy Gisse
Date Received: 5/4/2012
Reviewed by: BL2000\kschroeder
Received by: kg
Reviewed Date: 5/4/2012
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Container/Temp Blank temperature:	2.0°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

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:
Denison Mines	Semiannual Groundwater 2012	State: UT	Yes ☒ No ☐
Report Mail Address: PO BOX 809 Blanding UT 84511	**Contact Name:** Garrin Palmer **Phone/Fax:** 435 678 2221	**Email:**	**Sampler: (Please Print)** 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

ANALYSIS REQUESTED

Number of Containers
Sample Type: A Air W Water S Soils/Solids V Vegetation B Bioassay O Other D DW - Drinking Water

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Quote # C1640	SEE ATTACHED	Standard Turnaround (TAT)
1 MW-01_05012012	5/1/12	0945	G-W	X		
2 MW-18_04302012	4/30/12	1455	G-W	X		
3 MW-25_05022012	5/2/12	1050	G-W	X		
4 MW-27_0501 2012	5/1/12	1430	G-W	X		
5 MW-30_05022012	5/2/12	1450	G-W	X		
6 MW-31_05022012	5/2/12	1255	G-W	X		
7 MW-32_04302012	4/30/12	1520	G-W	X		
8 MW-35_05022012	5/2/12	1430	G-W	X		
9 Trip Blank 6746	4/30/12		B			
10 TEMP BLANK ~~6746~~ ICM			2W			

RUSH

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: FE. NOA
Cooler ID(s): 2 client
Receipt Temp 2.0 °C
On Ice: Y N
Custody Seal On Bottle Y N On Cooler Y N
Intact Y N
Signature Match Y N

LABORATORY USE ONLY
C12050196

Custody Record MUST be Signed

	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Tanner Holliday	5/3/2012 1100	Tanner Holliday			
	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
				Received by Laboratory:	Date/Time: 5-4-12 10:15	Signature: KGJ 6:38

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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.

ENERGY LABORATORIES
www.energylab.com
Analytical Excellence Since 1952
Helena, MT 877-472-0711 • Billings, MT 800-735-4489 • Casper, WY 888-235-0515
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

ANALYTICAL SUMMARY REPORT

July 31, 2012

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12050272 Quote ID: C1640 - POC Wells

Project Name: Semi-Annual Groundwater 2012

Energy Laboratories, Inc. Casper WY received the following 6 samples for Denison Mines USA Corp on 5/8/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12050272-001	MW-17_05042012	05/04/12 10:25	05/08/12	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 Sulfate SW8260B VOCs, Standard List
C12050272-002	MW-22_05032012	05/03/12 12:25	05/08/12	Aqueous	Same As Above
C12050272-003	MW-26_05072012	05/07/12 9:45	05/08/12	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 Sulfate
C12050272-004	MW-65_05072012	05/07/12 9:45	05/08/12	Aqueous	Same As Above
C12050272-005	Trip Blank	05/04/12 0:00	05/08/12	Aqueous	SW8260B VOCs, Standard List
C12050272-006	Temp Blank	05/07/12 0:00	05/08/12	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: 2012.07.31 17:17:17 -06:00

CLIENT: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Sample Delivery Group: C12050272

Revised Date: 07/31/12
Report Date: 06/06/12

CASE NARRATIVE

REVISED/SUPPLEMENTAL REPORT
The attached analytical report has been revised from a previously submitted report due to the request by the client to change the sample date on C12050272-002 to 05/03/12 and the sample ID to MW-22_05032012. It was also requested that the VOC's not be reported on samples MW-26 and MW-65. The data presented here reflects these changes.

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: Semi-Annual Groundwater 2012

Revised Date: 07/31/12
Report Date: 06/06/12

Lab ID: C12050272-001
Client Sample ID: MW-17_05042012

Collection Date: 05/04/12 10:25
DateReceived: 05/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.08	s.u.	H	0.01		A4500-H B	05/08/12 13:59 / ab

Lab ID: C12050272-002
Client Sample ID: MW-22_05032012

Collection Date: 05/03/12 12:25
DateReceived: 05/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	5.24	s.u.	H	0.01		A4500-H B	05/08/12 14:01 / ab

Lab ID: C12050272-003
Client Sample ID: MW-26_05072012

Collection Date: 05/07/12 09:45
DateReceived: 05/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.93	s.u.	H	0.01		A4500-H B	05/08/12 14:07 / ab

Lab ID: C12050272-004
Client Sample ID: MW-65_05072012

Collection Date: 05/07/12 09:45
DateReceived: 05/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.93	s.u.	H	0.01		A4500-H B	05/08/12 14:09 / 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: 07/31/12
Report Date: 06/06/12
Work Order: C12050272

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R159406
Sample ID: MBLK	3	Method Blank				Run: MANTECH_120508A				05/08/12 15:41
Alkalinity, Total as CaCO3		ND	mg/L	5.0						
Carbonate as CO3		ND	mg/L	1.0						
Bicarbonate as HCO3		5.40	mg/L	1.0						
Sample ID: LCS-6677		Laboratory Control Sample				Run: MANTECH_120508A				05/08/12 15:57
Alkalinity, Total as CaCO3		202	mg/L	5.0	99	90	110			
Sample ID: C12050252-002AMS		Sample Matrix Spike				Run: MANTECH_120508A				05/08/12 16:29
Alkalinity, Total as CaCO3		279	mg/L	5.0	100	80	120			
Sample ID: C12050272-004ADUP	3	Sample Duplicate				Run: MANTECH_120508A				05/08/12 17:52
Alkalinity, Total as CaCO3		323	mg/L	5.0				0.2	10	
Carbonate as CO3		ND	mg/L	5.0					10	
Bicarbonate as HCO3		394	mg/L	5.0				0.2	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12

Client: Denison Mines USA Corp

Report Date: 06/06/12

Project: Semi-Annual Groundwater 2012

Work Order: C12050272

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C										Batch: TDS120509A
Sample ID: MB-1_120509A		Method Blank				Run: BAL-1_120509A				05/09/12 14:06
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	10						
Sample ID: LCS-2_120509A		Laboratory Control Sample				Run: BAL-1_120509A				05/09/12 14:07
Solids, Total Dissolved TDS @ 180 C		1100	mg/L	10	99	90	110			
Sample ID: C12050251-001A MS		Sample Matrix Spike				Run: BAL-1_120509A				05/09/12 14:07
Solids, Total Dissolved TDS @ 180 C		4040	mg/L	10	100	90	110			
Sample ID: C12050270-001A DUP		Sample Duplicate				Run: BAL-1_120509A				05/09/12 14:07
Solids, Total Dissolved TDS @ 180 C		320000	mg/L	10				4.2	5	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12

Client: Denison Mines USA Corp

Report Date: 06/06/12

Project: Semi-Annual Groundwater 2012

Work Order: C12050272

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B									Batch: 120517-CL-TTR-W	
Sample ID: MBLK9-120517		Method Blank				Run: TITRATION_120517A			05/17/12 10:20	
Chloride		ND	mg/L	1.0						
Sample ID: C12050443-006AMS		Sample Matrix Spike				Run: TITRATION_120517A			05/17/12 11:41	
Chloride		129	mg/L	1.0	102	90	110			
Sample ID: C12050443-006AMSD		Sample Matrix Spike Duplicate				Run: TITRATION_120517A			05/17/12 11:43	
Chloride		128	mg/L	1.0	101	90	110	0.7	10	
Sample ID: LCS35-120517		Laboratory Control Sample				Run: TITRATION_120517A			05/17/12 14:05	
Chloride		3580	mg/L	1.0	101	90	110			
Method: A4500-Cl B									Batch: 120530A-CL-TTR-W	
Sample ID: MBLK9-120530A		Method Blank				Run: TITRATION_120530A			05/30/12 09:03	
Chloride		ND	mg/L	1.0						
Sample ID: C12050723-005AMS		Sample Matrix Spike				Run: TITRATION_120530A			05/30/12 09:33	
Chloride		125	mg/L	1.0	101	90	110			
Sample ID: C12050723-005AMSD		Sample Matrix Spike Duplicate				Run: TITRATION_120530A			05/30/12 09:35	
Chloride		124	mg/L	1.0	100	90	110	0.7	10	
Sample ID: LCS35-120530A		Laboratory Control Sample				Run: TITRATION_120530A			05/30/12 09:46	
Chloride		3550	mg/L	1.0	100	90	110			

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12
Report Date: 06/06/12
Work Order: C12050272

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-F C										Batch: R159441
Sample ID: MBLK		Method Blank				Run: MANTECH_120509A				05/09/12 11:20
Fluoride		ND	mg/L	0.10						
Sample ID: LCS-6622		Laboratory Control Sample				Run: MANTECH_120509A				05/09/12 11:24
Fluoride		2.08	mg/L	0.10	103	90	110			
Sample ID: C12050272-001AMS		Sample Matrix Spike				Run: MANTECH_120509A				05/09/12 11:32
Fluoride		2.04	mg/L	0.10	90	80	120			
Sample ID: C12050272-001AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_120509A				05/09/12 11:37
Fluoride		2.12	mg/L	0.10	94	80	120	3.8	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12
Report Date: 06/06/12
Work Order: C12050272

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Analytical Run: PHSC_101-C_120508A	
Sample ID: pH 6.86		Initial Calibration Verification Standard							05/08/12 08:49	
pH		6.85	s.u.	0.010	100	98	102			
Sample ID: pH 6.86		Initial Calibration Verification Standard							05/08/12 13:33	
pH		6.85	s.u.	0.010	100	98	102			
Method: A4500-H B									Batch: R159356	
Sample ID: C12050272-002ADUP		Sample Duplicate				Run: PHSC_101-C_120508A			05/08/12 14:04	
pH		5.23	s.u.	0.010				0.2	3	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12

Client: Denison Mines USA Corp

Report Date: 06/06/12

Project: Semi-Annual Groundwater 2012

Work Order: C12050272

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G										Batch: R159537
Sample ID: MBLK-1		Method Blank				Run: TECHNICON_120511A				05/11/12 11:56
Nitrogen, Ammonia as N		ND	mg/L	0.050						
Sample ID: LCS-2		Laboratory Control Sample				Run: TECHNICON_120511A				05/11/12 11:58
Nitrogen, Ammonia as N		2.08	mg/L	0.050	104	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_120511A				05/11/12 12:00
Nitrogen, Ammonia as N		1.93	mg/L	0.050	98	80	120			
Sample ID: C12050231-004DMS		Sample Matrix Spike				Run: TECHNICON_120511A				05/11/12 14:28
Nitrogen, Ammonia as N		2.08	mg/L	0.050	100	90	110			
Sample ID: C12050231-004DMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_120511A				05/11/12 14:30
Nitrogen, Ammonia as N		2.11	mg/L	0.050	102	90	110	1.4	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

Revised Date: 07/31/12
Report Date: 06/06/12
Work Order: C12050272

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E									Batch: 120510_2_SO4-TURB-W	
Sample ID: LCS-1_120510		Laboratory Control Sample				Run: TURB-2_120510A			05/10/12 11:48	
Sulfate		5030	mg/L	100	105	90	110			
Sample ID: MBLK-1_120510		Method Blank				Run: TURB-2_120510A			05/10/12 11:49	
Sulfate		ND	mg/L	100						
Sample ID: C12050196-005AMS		Sample Matrix Spike				Run: TURB-2_120510A			05/10/12 12:26	
Sulfate		897	mg/L	10	104	90	110			
Sample ID: C12050196-005AMSD		Sample Matrix Spike Duplicate				Run: TURB-2_120510A			05/10/12 12:28	
Sulfate		895	mg/L	10	103	90	110	0.2	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12
Report Date: 06/06/12
Work Order: C12050272

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP2-C_120510A	
Sample ID: ICV	3	Initial Calibration Verification Standard							05/10/12 11:43	
Calcium		47.9	mg/L	0.50	96	95	105			
Iron		4.84	mg/L	0.030	97	95	105			
Magnesium		47.7	mg/L	0.50	95	95	105			
Sample ID: ICSA	3	Interference Check Sample A							05/10/12 12:20	
Calcium		472	mg/L	0.50	94	80	120			
Iron		189	mg/L	0.030	95	80	120			
Magnesium		490	mg/L	0.50	98	80	120			
Sample ID: ICSAB	3	Interference Check Sample AB							05/10/12 12:24	
Calcium		469	mg/L	0.50	94	80	120			
Iron		187	mg/L	0.030	93	80	120			
Magnesium		483	mg/L	0.50	97	80	120			
Method: E200.7									Batch: R159522	
Sample ID: MB-120510A	3	Method Blank				Run: ICP2-C_120510A			05/10/12 12:44	
Calcium		ND	mg/L	0.50						
Iron		ND	mg/L	0.030						
Magnesium		ND	mg/L	0.50						
Sample ID: LFB-120510A	3	Laboratory Fortified Blank				Run: ICP2-C_120510A			05/10/12 12:48	
Calcium		43.7	mg/L	0.50	87	85	115			
Iron		0.862	mg/L	0.030	86	85	115			
Magnesium		43.8	mg/L	0.50	88	85	115			
Sample ID: C12050196-004BMS2	3	Sample Matrix Spike				Run: ICP2-C_120510A			05/10/12 20:49	
Calcium		218	mg/L	0.50	84	70	130			
Iron		0.932	mg/L	0.030	92	70	130			
Magnesium		123	mg/L	0.50	92	70	130			
Sample ID: C12050196-004BMSD	3	Sample Matrix Spike Duplicate				Run: ICP2-C_120510A			05/10/12 20:53	
Calcium		220	mg/L	0.50	86	70	130	0.5	20	
Iron		0.954	mg/L	0.030	95	70	130	2.3	20	
Magnesium		125	mg/L	0.50	94	70	130	1.0	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12
Report Date: 06/06/12
Work Order: C12050272

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP2-C_120511A	
Sample ID: ICV	2	Initial Calibration Verification Standard							05/11/12 16:58	
Potassium		49.7	mg/L	0.50	99	95	105			
Sodium		50.5	mg/L	0.50	101	95	105			
Sample ID: ICSA	2	Interference Check Sample A							05/11/12 17:19	
Potassium		0.0934	mg/L	0.50						
Sodium		0.520	mg/L	0.50						
Sample ID: ICSAB	2	Interference Check Sample AB							05/11/12 17:23	
Potassium		0.0343	mg/L	0.50						
Sodium		0.588	mg/L	0.50						
Method: E200.7									Batch: R159547	
Sample ID: MB-120511A	2	Method Blank				Run: ICP2-C_120511A			05/11/12 17:43	
Potassium		ND	mg/L	0.50						
Sodium		ND	mg/L	0.50						
Sample ID: LFB-120511A	2	Laboratory Fortified Blank				Run: ICP2-C_120511A			05/11/12 17:47	
Potassium		44.5	mg/L	0.50	89	85	115			
Sodium		44.7	mg/L	0.50	89	85	115			
Sample ID: C12050404-004BMS2	2	Sample Matrix Spike				Run: ICP2-C_120511A			05/12/12 08:56	
Potassium		257	mg/L	1.0	98	70	130			
Sodium		1030	mg/L	1.6	69	70	130			S
Sample ID: C12050404-004BMSD	2	Sample Matrix Spike Duplicate				Run: ICP2-C_120511A			05/12/12 09:00	
Potassium		261	mg/L	1.0	100	70	130	1.4	20	
Sodium		1050	mg/L	1.6	79	70	130	2.3	20	

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: 07/31/12
Report Date: 06/06/12
Work Order: C12050272

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS4-C_120510A	
Sample ID: ICV	17	Initial Calibration Verification Standard							05/10/12 11:24	
Arsenic		0.0492	mg/L	0.0010	98	90	110			
Beryllium		0.0500	mg/L	0.0010	100	90	110			
Cadmium		0.0506	mg/L	0.0010	101	90	110			
Chromium		0.0496	mg/L	0.0010	99	90	110			
Cobalt		0.0475	mg/L	0.0010	95	90	110			
Copper		0.0506	mg/L	0.0010	101	90	110			
Lead		0.0497	mg/L	0.0010	99	90	110			
Manganese		0.0470	mg/L	0.0010	94	90	110			
Mercury		0.00469	mg/L	0.0010	94	90	110			
Molybdenum		0.0515	mg/L	0.0010	103	90	110			
Nickel		0.0499	mg/L	0.0010	100	90	110			
Selenium		0.0479	mg/L	0.0010	96	90	110			
Silver		0.0206	mg/L	0.0010	103	90	110			
Thallium		0.0480	mg/L	0.0010	96	90	110			
Uranium		0.0477	mg/L	0.00030	95	90	110			
Vanadium		0.0492	mg/L	0.0010	98	90	110			
Zinc		0.0504	mg/L	0.0010	101	90	110			
Method: E200.8									Batch: R159487A	
Sample ID: LRB	17	Method Blank				Run: ICPMS4-C_120510A			05/10/12 12:01	
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_120510A			05/10/12 12:05	
Arsenic		0.0532	mg/L	0.0010	106	85	115			
Beryllium		0.0551	mg/L	0.0010	110	85	115			
Cadmium		0.0551	mg/L	0.0010	110	85	115			
Chromium		0.0536	mg/L	0.0010	107	85	115			
Cobalt		0.0532	mg/L	0.0010	106	85	115			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12
Report Date: 06/06/12
Work Order: C12050272

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R159487A
Sample ID: LFB	17	Laboratory Fortified Blank				Run: ICPMS4-C_120510A				05/10/12 12:05
Copper		0.0543	mg/L	0.0010	109	85	115			
Lead		0.0548	mg/L	0.0010	110	85	115			
Manganese		0.0529	mg/L	0.0010	106	85	115			
Mercury		0.00520	mg/L	0.0010	104	85	115			
Molybdenum		0.0549	mg/L	0.0010	110	85	115			
Nickel		0.0532	mg/L	0.0010	106	85	115			
Selenium		0.0522	mg/L	0.0010	104	85	115			
Silver		0.0213	mg/L	0.0010	107	85	115			
Thallium		0.0527	mg/L	0.0010	105	85	115			
Uranium		0.0552	mg/L	0.00030	110	85	115			
Vanadium		0.0530	mg/L	0.0010	106	85	115			
Zinc		0.0570	mg/L	0.0010	114	85	115			
Sample ID: C12050272-004BMS	17	Sample Matrix Spike				Run: ICPMS4-C_120510A				05/10/12 13:19
Arsenic		0.0535	mg/L	0.0010	107	70	130			
Beryllium		0.0461	mg/L	0.0010	92	70	130			
Cadmium		0.0490	mg/L	0.0010	98	70	130			
Chromium		0.0520	mg/L	0.0010	104	70	130			
Cobalt		0.0500	mg/L	0.0010	96	70	130			
Copper		0.0480	mg/L	0.0010	94	70	130			
Lead		0.0536	mg/L	0.0010	107	70	130			
Manganese		1.06	mg/L	0.0010		70	130			A
Mercury		0.00508	mg/L	0.0010	102	70	130			
Molybdenum		0.0532	mg/L	0.0010	104	70	130			
Nickel		0.0508	mg/L	0.0010	97	70	130			
Selenium		0.0554	mg/L	0.0010	106	70	130			
Silver		0.00940	mg/L	0.0010	47	70	130			S
Thallium		0.0500	mg/L	0.0010	100	70	130			
Uranium		0.0744	mg/L	0.00030	114	70	130			
Vanadium		0.0534	mg/L	0.0010	107	70	130			
Zinc		0.0462	mg/L	0.0010	90	70	130			
Sample ID: C12050272-004BMSD	17	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120510A				05/10/12 13:24
Arsenic		0.0536	mg/L	0.0010	107	70	130	0.1	20	
Beryllium		0.0493	mg/L	0.0010	99	70	130	6.6	20	
Cadmium		0.0512	mg/L	0.0010	102	70	130	4.5	20	
Chromium		0.0516	mg/L	0.0010	103	70	130	0.7	20	
Cobalt		0.0511	mg/L	0.0010	98	70	130	2.1	20	
Copper		0.0474	mg/L	0.0010	93	70	130	1.2	20	
Lead		0.0560	mg/L	0.0010	112	70	130	4.3	20	
Manganese		1.09	mg/L	0.0010		70	130	2.1	20	A
Mercury		0.00535	mg/L	0.0010	107	70	130	5.3	20	
Molybdenum		0.0577	mg/L	0.0010	113	70	130	8.0	20	
Nickel		0.0499	mg/L	0.0010	95	70	130	1.8	20	
Selenium		0.0542	mg/L	0.0010	104	70	130	2.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

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

Revised Date: 07/31/12

Client: Denison Mines USA Corp

Report Date: 06/06/12

Project: Semi-Annual Groundwater 2012

Work Order: C12050272

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R159487A	
Sample ID: C12050272-004BMSD	17	Sample Matrix Spike Duplicate			Run: ICPMS4-C_120510A				05/10/12 13:24	
Silver		0.00799	mg/L	0.0010	40	70	130	16	20	S
Thallium		0.0525	mg/L	0.0010	105	70	130	4.9	20	
Uranium		0.0770	mg/L	0.00030	119	70	130	3.5	20	
Vanadium		0.0529	mg/L	0.0010	106	70	130	1.0	20	
Zinc		0.0466	mg/L	0.0010	91	70	130	0.9	20	

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: 07/31/12

Client: Denison Mines USA Corp

Report Date: 06/06/12

Project: Semi-Annual Groundwater 2012

Work Order: C12050272

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R159404
Sample ID: MBLK-1		Method Blank				Run: TECHNICON_120508A				05/08/12 12:26
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.10						
Sample ID: LCS-2		Laboratory Control Sample				Run: TECHNICON_120508A				05/08/12 12:29
Nitrogen, Nitrate+Nitrite as N		2.53	mg/L	0.10	101	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_120508A				05/08/12 12:31
Nitrogen, Nitrate+Nitrite as N		1.84	mg/L	0.10	94	90	110			
Sample ID: C12050261-001BMS		Sample Matrix Spike				Run: TECHNICON_120508A				05/08/12 17:26
Nitrogen, Nitrate+Nitrite as N		6.41	mg/L	0.20	104	90	110			
Sample ID: C12050261-001BMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_120508A				05/08/12 17:29
Nitrogen, Nitrate+Nitrite as N		6.30	mg/L	0.20	101	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

Revised Date: 07/31/12

Client: Denison Mines USA Corp

Report Date: 06/06/12

Project: Semi-Annual Groundwater 2012

Work Order: C12050272

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1										Batch: GA-0533
Sample ID: LCS-GA-0533		Laboratory Control Sample				Run: BERTHOLD 770-1_120515A				05/18/12 13:50
Gross Alpha minus Rn & U		21.1	pCi/L		103	70	130			
Sample ID: C12050272-002DMS		Sample Matrix Spike				Run: BERTHOLD 770-1_120515A				05/18/12 20:05
Gross Alpha minus Rn & U		53.3	pCi/L		114	70	130			
Sample ID: C12050272-002DMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-1_120515A				05/18/12 20:05
Gross Alpha minus Rn & U		46.1	pCi/L		98	70	130	14	17.5	
Sample ID: MB-GA-0533	3	Method Blank				Run: BERTHOLD 770-1_120515A				05/19/12 02:11
Gross Alpha minus Rn & U		-0.220	pCi/L							U
Gross Alpha minus Rn & U Precision (±)		0.0935	pCi/L							
Gross Alpha minus Rn & U MDC		0.216	pCi/L							

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: 07/31/12
Report Date: 06/06/12
Work Order: C12050272

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R159570
Sample ID: 051112_LCS_4	15	Laboratory Control Sample				Run: SATURNCA_120511A				05/11/12 12:15
Benzene		9.8	ug/L	1.0	98	70	130			
Carbon tetrachloride		9.4	ug/L	1.0	94	70	130			
Chloroform		9.4	ug/L	1.0	94	70	130			
Chloromethane		11	ug/L	1.0	112	70	130			
m+p-Xylenes		20	ug/L	1.0	99	70	130			
Methyl ethyl ketone		83	ug/L	20	83	70	130			
Methylene chloride		9.6	ug/L	1.0	96	70	130			
Naphthalene		10	ug/L	1.0	102	70	130			
o-Xylene		9.3	ug/L	1.0	93	70	130			
Toluene		10	ug/L	1.0	101	70	130			
Xylenes, Total		29	ug/L	1.0	97	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	98	80	120			
Surr: Dibromofluoromethane				1.0	97	70	130			
Surr: p-Bromofluorobenzene				1.0	100	80	130			
Surr: Toluene-d8				1.0	100	80	120			
Sample ID: 051112_MBLK_6	15	Method Blank				Run: SATURNCA_120511A				05/11/12 13:28
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	92	80	120			
Surr: Dibromofluoromethane				1.0	96	70	130			
Surr: p-Bromofluorobenzene				1.0	95	80	120			
Surr: Toluene-d8				1.0	97	80	120			
Sample ID: C12050202-001CMS	15	Sample Matrix Spike				Run: SATURNCA_120511A				05/11/12 19:32
Benzene		190	ug/L	10	97	70	130			
Carbon tetrachloride		200	ug/L	10	98	70	130			
Chloroform		210	ug/L	10	103	70	130			
Chloromethane		240	ug/L	10	122	70	130			
m+p-Xylenes		410	ug/L	10	104	70	130			
Methyl ethyl ketone		1900	ug/L	200	97	70	130			
Methylene chloride		210	ug/L	10	106	70	130			
Naphthalene		200	ug/L	10	101	70	130			
o-Xylene		210	ug/L	10	104	70	130			
Toluene		200	ug/L	10	98	70	130			
Xylenes, Total		620	ug/L	10	104	70	130			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12

Client: Denison Mines USA Corp

Report Date: 06/06/12

Project: Semi-Annual Groundwater 2012

Work Order: C12050272

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R159570
Sample ID: C12050202-001CMS	15	Sample Matrix Spike				Run: SATURNCA_120511A				05/11/12 19:32
Surr: 1,2-Dichlorobenzene-d4				1.0	90	80	120			
Surr: Dibromofluoromethane				1.0	101	70	130			
Surr: p-Bromofluorobenzene				1.0	98	80	120			
Surr: Toluene-d8				1.0	96	80	120			
Sample ID: C12050202-001CMSD	15	Sample Matrix Spike Duplicate				Run: SATURNCA_120511A				05/11/12 20:08
Benzene		200	ug/L	10	100	70	130	2.8	20	
Carbon tetrachloride		200	ug/L	10	102	70	130	4.4	20	
Chloroform		210	ug/L	10	103	70	130	0.4	20	
Chloromethane		240	ug/L	10	122	70	130	0.0	20	
m+p-Xylenes		410	ug/L	10	102	70	130	1.4	20	
Methyl ethyl ketone		1900	ug/L	200	95	70	130	1.7	20	
Methylene chloride		210	ug/L	10	106	70	130	0.0	20	
Naphthalene		230	ug/L	10	115	70	130	13	20	
o-Xylene		200	ug/L	10	102	70	130	2.7	20	
Toluene		210	ug/L	10	104	70	130	6.0	20	
Xylenes, Total		610	ug/L	10	102	70	130	1.8	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	101	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	104	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	108	80	120	0.0	10	
Surr: Toluene-d8				1.0	98	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: 07/31/12
Report Date: 06/06/12
Work Order: C12050272

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R159829
Sample ID: 15-May-12_LCS_4	16	Laboratory Control Sample				Run: 5975VOC1_120515A			05/15/12 12:55	
Acetone		86	ug/L	20	86	70	130			
Benzene		11	ug/L	1.0	113	70	130			
Carbon tetrachloride		9.5	ug/L	1.0	95	70	130			
Chloroform		9.2	ug/L	1.0	92	70	130			
Chloromethane		9.9	ug/L	1.0	99	70	130			
m+p-Xylenes		17	ug/L	1.0	87	70	130			
Methyl ethyl ketone		110	ug/L	20	115	70	130			
Methylene chloride		8.0	ug/L	1.0	80	70	130			
Naphthalene		11	ug/L	1.0	112	70	130			
o-Xylene		9.0	ug/L	1.0	90	70	130			
Toluene		9.6	ug/L	1.0	96	70	130			
Xylenes, Total		26	ug/L	1.0	88	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	113	80	120			
Surr: Dibromofluoromethane				1.0	97	70	130			
Surr: p-Bromofluorobenzene				1.0	114	80	130			
Surr: Toluene-d8				1.0	104	80	120			
Sample ID: 15-May-12_MBLK_6	16	Method Blank				Run: 5975VOC1_120515A			05/15/12 14:06	
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	97	80	120			
Surr: Dibromofluoromethane				1.0	105	70	130			
Surr: p-Bromofluorobenzene				1.0	132	80	120			S
Surr: Toluene-d8				1.0	97	80	120			
Sample ID: C12050272-004EMS	16	Sample Matrix Spike				Run: 5975VOC1_120515A			05/15/12 20:01	
Acetone		190000	ug/L	20000	95	70	130			
Benzene		22000	ug/L	1000	111	70	130			
Carbon tetrachloride		17000	ug/L	1000	85	70	130			
Chloroform		20000	ug/L	1000	98	70	130			
Chloromethane		22000	ug/L	1000	108	70	130			
m+p-Xylenes		36000	ug/L	1000	90	70	130			
Methyl ethyl ketone		150000	ug/L	20000	77	70	130			
Methylene chloride		19000	ug/L	1000	95	70	130			
Naphthalene		19000	ug/L	1000	96	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: 07/31/12

Client: Denison Mines USA Corp

Report Date: 06/06/12

Project: Semi-Annual Groundwater 2012

Work Order: C12050272

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R159829
Sample ID: C12050272-004EMS	16	Sample Matrix Spike				Run: 5975VOC1_120515A				05/15/12 20:01
o-Xylene		21000	ug/L	1000	105	70	130			
Toluene		19000	ug/L	1000	95	70	130			
Xylenes, Total		57000	ug/L	1000	95	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	108	80	120			
Surr: Dibromofluoromethane				1.0	105	70	130			
Surr: p-Bromofluorobenzene				1.0	118	80	120			
Surr: Toluene-d8				1.0	101	80	120			
Sample ID: C12050272-004EMSD	16	Sample Matrix Spike Duplicate				Run: 5975VOC1_120515A				05/15/12 20:36
Acetone		180000	ug/L	20000	90	70	130			
Benzene		24000	ug/L	1000	118	70	130			
Carbon tetrachloride		18000	ug/L	1000	88	70	130			
Chloroform		19000	ug/L	1000	97	70	130			
Chloromethane		23000	ug/L	1000	113	70	130			
m+p-Xylenes		37000	ug/L	1000	93	70	130			
Methyl ethyl ketone		160000	ug/L	20000	79	70	130			
Methylene chloride		19000	ug/L	1000	94	70	130			
Naphthalene		21000	ug/L	1000	107	70	130			
o-Xylene		22000	ug/L	1000	108	70	130			
Toluene		20000	ug/L	1000	101	70	130			
Xylenes, Total		59000	ug/L	1000	98	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	110	80	120			
Surr: Dibromofluoromethane				1.0	99	70	130			
Surr: p-Bromofluorobenzene				1.0	115	80	120			
Surr: Toluene-d8				1.0	104	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

MDC - Minimum detectable concentration

Workorder Receipt Checklist

C12050272

Denison Mines USA Corp

Login completed by: Corinne Wagner
Date Received: 5/8/2012

Reviewed by: BL2000\kschroeder
Received by: th

Reviewed Date: 5/8/2012
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Container/Temp Blank temperature:	2.4°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT (Provide as much information as possible.)

Company Name: Denison Mines	Project Name, PWS, Permit, Etc.: Semiannual Ground Water 2012	Sample Origin State: UT	EPA/State Compliance: Yes ☒ No ☐
Report Mail Address: PO Box 809 Blanding UT 84511	Contact Name: Garrin Palmer Phone/Fax: 435 678 2221	Email:	Sampler: (Please Print) 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

SEE ATTACHED

Standard Turnaround (TAT)

RUSH

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: FedEx NDA
Cooler ID(s): Client
Receipt Temp: 2.4 °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	Quote # c1640
1	MW-17_05042012	5/4/2012	1025	G-W	X
2	MW-22_05042012	5/4/2012	1225	G-W	X
3	MW-26_05072012	5/7/2012	0945	G-W	X
4	MW-65_05072012	5/7/2012	0945	G-W	X
5	Trip Blank	5/4/2012			
6					
7					
8					
9					
10					

LABORATORY USE ONLY L1205027

Custody Record MUST be Signed

	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
1	Tanner Holliday	5/7/2012 1000	Tanner Holliday			
2						

Sample Disposal: Return to Client: _____ Lab Disposal: _____

Received by Laboratory: Date/Time: 5-8-12/1030 Signature: T. Haughelle

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.

ANALYTICAL SUMMARY REPORT

June 14, 2012

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12050443 Quote ID: C1640 - POC Wells

Project Name: Semi-Annual Groundwater 2012

Energy Laboratories, Inc. Casper WY received the following 12 samples for Denison Mines USA Corp on 5/11/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12050443-001	MW-02_05092012	05/09/12 8:45	05/11/12	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 Sulfate SW8260B VOCs, Standard List
C12050443-002	MW-05_05092012	05/09/12 14:50	05/11/12	Aqueous	Same As Above
C12050443-003	MW-11_05082012	05/08/12 14:40	05/11/12	Aqueous	Same As Above
C12050443-004	MW-12_05102012	05/10/12 7:00	05/11/12	Aqueous	Same As Above
C12050443-005	MW-14_05092012	05/09/12 9:20	05/11/12	Aqueous	Same As Above
C12050443-006	MW-15_05092012	05/09/12 12:45	05/11/12	Aqueous	Same As Above
C12050443-007	MW-24_05102012	05/10/12 6:30	05/11/12	Aqueous	Same As Above
C12050443-008	MW-28_05082012	05/08/12 9:45	05/11/12	Aqueous	Same As Above
C12050443-009	MW-29_05082012	05/08/12 12:35	05/11/12	Aqueous	Same As Above
C12050443-010	MW-36_05082012	05/08/12 8:00	05/11/12	Aqueous	Same As Above
C12050443-011	Trip Blank 6746	05/10/12 0:00	05/11/12	Aqueous	SW8260B VOCs, Standard List
C12050443-012	Temp Blank	05/10/12 0:00	05/11/12	Aqueous	Temperature

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.

The results as reported relate only to the item(s) submitted for testing. Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. Data corrected for moisture content are typically noted as - dry on the report. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

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: 2012.06.14 16:18:04 -06:00

CLIENT: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Sample Delivery Group: C12050443

Report Date: 06/14/12

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.

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Report Date: 06/14/12

Lab ID: C12050443-001
Client Sample ID: MW-02_05092012
Collection Date: 05/09/12 08:45
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.34	s.u.	H	0.01		A4500-H B	05/11/12 13:46 / ab

Lab ID: C12050443-002
Client Sample ID: MW-05_05092012
Collection Date: 05/09/12 14:50
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.65	s.u.	H	0.01		A4500-H B	05/11/12 13:48 / ab

Lab ID: C12050443-003
Client Sample ID: MW-11_05082012
Collection Date: 05/08/12 14:40
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.79	s.u.	H	0.01		A4500-H B	05/11/12 13:51 / ab

Lab ID: C12050443-004
Client Sample ID: MW-12_05102012
Collection Date: 05/10/12 07:00
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.95	s.u.	H	0.01		A4500-H B	05/11/12 13:56 / 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: Semi-Annual Groundwater 2012
Report Date: 06/14/12

Lab ID: C12050443-005
Client Sample ID: MW-14_05092012
Collection Date: 05/09/12 09:20
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.92	s.u.	H	0.01		A4500-H B	05/11/12 13:59 / ab

Lab ID: C12050443-006
Client Sample ID: MW-15_05092012
Collection Date: 05/09/12 12:45
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.06	s.u.	H	0.01		A4500-H B	05/11/12 14:02 / ab

Lab ID: C12050443-007
Client Sample ID: MW-24_05102012
Collection Date: 05/10/12 06:30
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.63	s.u.	H	0.01		A4500-H B	05/11/12 14:04 / ab

Lab ID: C12050443-008
Client Sample ID: MW-28_05082012
Collection Date: 05/08/12 09:45
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.31	s.u.	H	0.01		A4500-H B	05/11/12 14:07 / 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: Semi-Annual Groundwater 2012
Report Date: 06/14/12

Lab ID: C12050443-009
Client Sample ID: MW-29_05082012
Collection Date: 05/08/12 12:35
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.71	s.u.	H	0.01		A4500-H B	05/11/12 14:10 / ab

Lab ID: C12050443-010
Client Sample ID: MW-36_05082012
Collection Date: 05/08/12 08:00
DateReceived: 05/11/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.14	s.u.	H	0.01		A4500-H B	05/11/12 14:12 / 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

Client: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R159541
Sample ID: LCS-6677		Laboratory Control Sample				Run: MANTECH_120511B				05/11/12 19:30
Alkalinity, Total as CaCO3		206	mg/L	5.0	103	90	110			
Sample ID: C12050443-002ADUP	3	Sample Duplicate				Run: MANTECH_120511B				05/11/12 19:47
Alkalinity, Total as CaCO3		316	mg/L	5.0				1.9	10	
Carbonate as CO3		ND	mg/L	5.0					10	
Bicarbonate as HCO3		386	mg/L	5.0				1.9	10	
Sample ID: C12050443-003AMS		Sample Matrix Spike				Run: MANTECH_120511B				05/11/12 20:04
Alkalinity, Total as CaCO3		436	mg/L	5.0	102	80	120			
Sample ID: MBLK	3	Method Blank				Run: MANTECH_120511B				05/12/12 02:13
Alkalinity, Total as CaCO3		ND	mg/L	5.0						
Carbonate as CO3		ND	mg/L	1.0						
Bicarbonate as HCO3		1.18	mg/L	1.0						

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: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C									Batch: TDS120511B	
Sample ID: MB-1_120511B		Method Blank				Run: BAL-1_120511C			05/11/12 16:33	
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	10						
Sample ID: LCS-2_120511B		Laboratory Control Sample				Run: BAL-1_120511C			05/11/12 16:33	
Solids, Total Dissolved TDS @ 180 C		1000	mg/L	10	100	90	110			
Sample ID: C12050434-002A MS		Sample Matrix Spike				Run: BAL-1_120511C			05/11/12 16:34	
Solids, Total Dissolved TDS @ 180 C		4580	mg/L	10	98	90	110			
Sample ID: C12050443-005A DUP		Sample Duplicate				Run: BAL-1_120511C			05/11/12 16:36	
Solids, Total Dissolved TDS @ 180 C		3690	mg/L	10				0.4	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

Client: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B									Batch: 120517-CL-TTR-W	
Sample ID: MBLK9-120517		Method Blank				Run: TITRATION_120517A			05/17/12 10:20	
Chloride		ND	mg/L	1.0						
Sample ID: C12050443-006AMS		Sample Matrix Spike				Run: TITRATION_120517A			05/17/12 11:41	
Chloride		129	mg/L	1.0	102	90	110			
Sample ID: C12050443-006AMSD		Sample Matrix Spike Duplicate				Run: TITRATION_120517A			05/17/12 11:43	
Chloride		128	mg/L	1.0	101	90	110	0.7	10	
Sample ID: C12050443-010AMS		Sample Matrix Spike				Run: TITRATION_120517A			05/17/12 13:57	
Chloride		145	mg/L	1.0	99	90	110			
Sample ID: C12050443-010AMSD		Sample Matrix Spike Duplicate				Run: TITRATION_120517A			05/17/12 14:03	
Chloride		147	mg/L	1.0	101	90	110	1.2	10	
Sample ID: LCS35-120517		Laboratory Control Sample				Run: TITRATION_120517A			05/17/12 14:05	
Chloride		3580	mg/L	1.0	101	90	110			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-F C										Batch: R159534
Sample ID: MBLK		Method Blank				Run: MANTECH_120511A				05/11/12 09:16
Fluoride		ND	mg/L	0.10						
Sample ID: LCS-6821		Laboratory Control Sample				Run: MANTECH_120511A				05/11/12 09:20
Fluoride		2.00	mg/L	0.10	100	90	110			
Sample ID: C12050429-001AMS		Sample Matrix Spike				Run: MANTECH_120511A				05/11/12 12:34
Fluoride		1.86	mg/L	0.10	90	80	120			
Sample ID: C12050429-001AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_120511A				05/11/12 12:37
Fluoride		1.86	mg/L	0.10	90	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: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Analytical Run: PHSC_101-C_120511A	
Sample ID: pH 6.86	Initial Calibration Verification Standard								05/11/12 13:21	
pH		6.83	s.u.	0.010	100	98	102			
Method: A4500-H B									Batch: R159516	
Sample ID: C12050443-003ADUP	Sample Duplicate					Run: PHSC_101-C_120511A			05/11/12 13:54	
pH		7.76	s.u.	0.010				0.4	3	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G										Batch: R159582
Sample ID: MBLK-1		Method Blank				Run: TECHNICON_120514A				05/14/12 14:21
Nitrogen, Ammonia as N		ND	mg/L	0.050						
Sample ID: LCS-2		Laboratory Control Sample				Run: TECHNICON_120514A				05/14/12 14:23
Nitrogen, Ammonia as N		2.01	mg/L	0.050	100	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_120514A				05/14/12 14:25
Nitrogen, Ammonia as N		1.97	mg/L	0.050	101	80	120			
Sample ID: C12050443-006CMS		Sample Matrix Spike				Run: TECHNICON_120514A				05/14/12 15:55
Nitrogen, Ammonia as N		1.93	mg/L	0.050	98	90	110			
Sample ID: C12050443-006CMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_120514A				05/14/12 15:57
Nitrogen, Ammonia as N		1.94	mg/L	0.050	99	90	110	0.5	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E									Batch: 120518_1_SO4-TURB-W	
Sample ID: LCS-1_120518		Laboratory Control Sample				Run: TURB-2_120518A			05/18/12 09:23	
Sulfate		5050	mg/L	100	105	90	110			
Sample ID: MBLK-1_120518		Method Blank				Run: TURB-2_120518A			05/18/12 09:24	
Sulfate		ND	mg/L	50						
Sample ID: C12050443-004AMS		Sample Matrix Spike				Run: TURB-2_120518A			05/18/12 11:23	
Sulfate		3310	mg/L	50	103	90	110			
Sample ID: C12050443-004AMSD		Sample Matrix Spike Duplicate				Run: TURB-2_120518A			05/18/12 11:25	
Sulfate		3310	mg/L	50	103	90	110	0.1	10	
Sample ID: C12050443-010AMS		Sample Matrix Spike				Run: TURB-2_120518A			05/18/12 11:44	
Sulfate		3680	mg/L	50	101	90	110			
Sample ID: C12050443-010AMSD		Sample Matrix Spike Duplicate				Run: TURB-2_120518A			05/18/12 11:46	
Sulfate		3670	mg/L	50	100	90	110	0.3	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: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP2-C_120511A	
Sample ID: ICV	5	Initial Calibration Verification Standard							05/11/12 16:58	
Calcium		49.4	mg/L	0.50	99	95	105			
Iron		4.92	mg/L	0.030	98	95	105			
Magnesium		49.1	mg/L	0.50	98	95	105			
Potassium		49.7	mg/L	0.50	99	95	105			
Sodium		50.5	mg/L	0.50	101	95	105			
Sample ID: ICSA	5	Interference Check Sample A							05/11/12 17:19	
Calcium		491	mg/L	0.50	98	80	120			
Iron		192	mg/L	0.030	96	80	120			
Magnesium		508	mg/L	0.50	102	80	120			
Potassium		0.0934	mg/L	0.50						
Sodium		0.520	mg/L	0.50						
Sample ID: ICSAB	5	Interference Check Sample AB							05/11/12 17:23	
Calcium		530	mg/L	0.50	106	80	120			
Iron		206	mg/L	0.030	103	80	120			
Magnesium		548	mg/L	0.50	110	80	120			
Potassium		0.0343	mg/L	0.50						
Sodium		0.588	mg/L	0.50						
Method: E200.7									Batch: R159547	
Sample ID: MB-120511A	5	Method Blank				Run: ICP2-C_120511A			05/11/12 17:43	
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-120511A	5	Laboratory Fortified Blank				Run: ICP2-C_120511A			05/11/12 17:47	
Calcium		49.4	mg/L	0.50	99	85	115			
Iron		0.923	mg/L	0.030	92	85	115			
Magnesium		48.2	mg/L	0.50	96	85	115			
Potassium		44.5	mg/L	0.50	89	85	115			
Sodium		44.7	mg/L	0.50	89	85	115			
Sample ID: C12050404-004BMS2	5	Sample Matrix Spike				Run: ICP2-C_120511A			05/12/12 08:56	
Calcium		238	mg/L	1.0	90	70	130			
Iron		4.94	mg/L	0.030	97	70	130			
Magnesium		233	mg/L	1.0	90	70	130			
Potassium		257	mg/L	1.0	98	70	130			
Sodium		1030	mg/L	1.6	69	70	130			S
Sample ID: C12050404-004BMSD	5	Sample Matrix Spike Duplicate				Run: ICP2-C_120511A			05/12/12 09:00	
Calcium		239	mg/L	1.0	91	70	130	0.7	20	
Iron		5.07	mg/L	0.030	99	70	130	2.7	20	
Magnesium		234	mg/L	1.0	90	70	130	0.4	20	

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: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R159547
Sample ID: C12050404-004BMSD	5	Sample Matrix Spike Duplicate				Run: ICP2-C_120511A				05/12/12 09:00
Potassium		261	mg/L	1.0	100	70	130	1.4	20	
Sodium		1050	mg/L	1.6	79	70	130	2.3	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS4-C_120511A	
Sample ID: ICV	17	Initial Calibration Verification Standard							05/11/12 11:07	
Arsenic		0.0497	mg/L	0.0010	99	90	110			
Beryllium		0.0514	mg/L	0.0010	103	90	110			
Cadmium		0.0514	mg/L	0.0010	103	90	110			
Chromium		0.0503	mg/L	0.0010	101	90	110			
Cobalt		0.0509	mg/L	0.0010	102	90	110			
Copper		0.0508	mg/L	0.0010	102	90	110			
Lead		0.0504	mg/L	0.0010	101	90	110			
Manganese		0.0503	mg/L	0.0010	101	90	110			
Mercury		0.00500	mg/L	0.0010	100	90	110			
Molybdenum		0.0517	mg/L	0.0010	103	90	110			
Nickel		0.0504	mg/L	0.0010	101	90	110			
Selenium		0.0512	mg/L	0.0010	102	90	110			
Silver		0.0205	mg/L	0.0010	103	90	110			
Thallium		0.0504	mg/L	0.0010	101	90	110			
Uranium		0.0476	mg/L	0.00030	95	90	110			
Vanadium		0.0499	mg/L	0.0010	100	90	110			
Zinc		0.0506	mg/L	0.0010	101	90	110			
Method: E200.8									Batch: R159550A	
Sample ID: LRB	17	Method Blank				Run: ICPMS4-C_120511A			05/11/12 11:25	
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: C12050443-010BMS	17	Sample Matrix Spike				Run: ICPMS4-C_120511A			05/11/12 14:02	
Arsenic		0.0520	mg/L	0.0010	104	70	130			
Beryllium		0.0478	mg/L	0.0010	96	70	130			
Cadmium		0.0464	mg/L	0.0010	93	70	130			
Chromium		0.0524	mg/L	0.0010	105	70	130			
Cobalt		0.0550	mg/L	0.0010	106	70	130			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R159550A
Sample ID: C12050443-010BMS	17	Sample Matrix Spike				Run: ICPMS4-C_120511A				05/11/12 14:02
Copper		0.0472	mg/L	0.0010	93	70	130			
Lead		0.0535	mg/L	0.0010	107	70	130			
Manganese		0.0587	mg/L	0.0010	110	70	130			
Mercury		0.00473	mg/L	0.0010	95	70	130			
Molybdenum		0.0525	mg/L	0.0010	104	70	130			
Nickel		0.0505	mg/L	0.0010	93	70	130			
Selenium		0.349	mg/L	0.0010		70	130			A
Silver		0.0136	mg/L	0.0010	68	70	130			S
Thallium		0.0522	mg/L	0.0010	103	70	130			
Uranium		0.0761	mg/L	0.00030	105	70	130			
Vanadium		0.0534	mg/L	0.0010	106	70	130			
Zinc		0.0454	mg/L	0.0010	85	70	130			
Sample ID: C12050443-010BMSD	17	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120511A				05/11/12 14:06
Arsenic		0.0553	mg/L	0.0010	110	70	130	6.1	20	
Beryllium		0.0482	mg/L	0.0010	96	70	130	0.9	20	
Cadmium		0.0469	mg/L	0.0010	94	70	130	1.0	20	
Chromium		0.0554	mg/L	0.0010	110	70	130	5.5	20	
Cobalt		0.0538	mg/L	0.0010	104	70	130	2.3	20	
Copper		0.0497	mg/L	0.0010	98	70	130	5.2	20	
Lead		0.0531	mg/L	0.0010	106	70	130	0.6	20	
Manganese		0.0575	mg/L	0.0010	108	70	130	2.1	20	
Mercury		0.00508	mg/L	0.0010	102	70	130	7.1	20	
Molybdenum		0.0533	mg/L	0.0010	105	70	130	1.5	20	
Nickel		0.0534	mg/L	0.0010	99	70	130	5.4	20	
Selenium		0.333	mg/L	0.0010		70	130	4.6	20	A
Silver		0.0143	mg/L	0.0010	71	70	130	4.9	20	
Thallium		0.0515	mg/L	0.0010	101	70	130	1.2	20	
Uranium		0.0752	mg/L	0.00030	103	70	130	1.3	20	
Vanadium		0.0566	mg/L	0.0010	113	70	130	5.8	20	
Zinc		0.0489	mg/L	0.0010	92	70	130	7.4	20	
Sample ID: LFB	17	Laboratory Fortified Blank				Run: ICPMS4-C_120511A				05/11/12 12:00
Arsenic		0.0543	mg/L	0.0010	109	85	115			
Beryllium		0.0559	mg/L	0.0010	112	85	115			
Cadmium		0.0547	mg/L	0.0010	109	85	115			
Chromium		0.0540	mg/L	0.0010	108	85	115			
Cobalt		0.0554	mg/L	0.0010	111	85	115			
Copper		0.0539	mg/L	0.0010	108	85	115			
Lead		0.0534	mg/L	0.0010	107	85	115			
Manganese		0.0546	mg/L	0.0010	96	85	115			
Mercury		0.00512	mg/L	0.0010	102	85	115			
Molybdenum		0.0540	mg/L	0.0010	108	85	115			
Nickel		0.0534	mg/L	0.0010	107	85	115			
Selenium		0.0534	mg/L	0.0010	107	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

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: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R159550A
Sample ID: LFB	17	Laboratory Fortified Blank				Run: ICPMS4-C_120511A				05/11/12 12:00
Silver		0.0208	mg/L	0.0010	104	85	115			
Thallium		0.0528	mg/L	0.0010	106	85	115			
Uranium		0.0506	mg/L	0.00030	101	85	115			
Vanadium		0.0537	mg/L	0.0010	107	85	115			
Zinc		0.0556	mg/L	0.0010	111	85	115			
Method: E200.8										Analytical Run: ICPMS4-C_120515A
Sample ID: ICV		Initial Calibration Verification Standard								05/15/12 12:19
Beryllium		0.0499	mg/L	0.0010	100	90	110			
Method: E200.8										Batch: R159646a
Sample ID: C12050443-002BMS		Sample Matrix Spike				Run: ICPMS4-C_120515A				05/15/12 13:28
Beryllium		0.256	mg/L	0.0010	103	70	130			
Sample ID: C12050443-002BMSD		Sample Matrix Spike Duplicate				Run: ICPMS4-C_120515A				05/15/12 13:32
Beryllium		0.248	mg/L	0.0010	99	70	130	3.5	20	
Sample ID: LRB		Method Blank				Run: ICPMS4-C_120515A				05/15/12 12:56
Beryllium		ND	mg/L	0.00050						
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS4-C_120515A				05/15/12 13:00
Beryllium		0.0517	mg/L	0.010	103	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

Client: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS4-C_120521A	
Sample ID: ICV	17	Initial Calibration Verification Standard							05/21/12 15:48	
Arsenic		0.0503	mg/L	0.0010	101	90	110			
Beryllium		0.0502	mg/L	0.0010	100	90	110			
Cadmium		0.0505	mg/L	0.0010	101	90	110			
Chromium		0.0500	mg/L	0.0010	100	90	110			
Cobalt		0.0495	mg/L	0.0010	99	90	110			
Copper		0.0510	mg/L	0.0010	102	90	110			
Lead		0.0494	mg/L	0.0010	99	90	110			
Manganese		0.0501	mg/L	0.0010	100	90	110			
Mercury		0.00517	mg/L	0.0010	103	90	110			
Molybdenum		0.0497	mg/L	0.0010	99	90	110			
Nickel		0.0503	mg/L	0.0010	101	90	110			
Selenium		0.0530	mg/L	0.0010	106	90	110			
Silver		0.0203	mg/L	0.0010	102	90	110			
Thallium		0.0476	mg/L	0.0010	95	90	110			
Uranium		0.0450	mg/L	0.00030	90	90	110			
Vanadium		0.0497	mg/L	0.0010	99	90	110			
Zinc		0.0515	mg/L	0.0010	103	90	110			
Method: E200.8									Batch: R159869a	
Sample ID: C12050723-004BMS	17	Sample Matrix Spike				Run: ICPMS4-C_120521A			05/21/12 23:04	
Arsenic		0.0501	mg/L	0.0010	100	70	130			
Beryllium		0.0424	mg/L	0.0010	85	70	130			
Cadmium		0.0465	mg/L	0.0010	93	70	130			
Chromium		0.0493	mg/L	0.0010	98	70	130			
Cobalt		0.0475	mg/L	0.0010	92	70	130			
Copper		0.0459	mg/L	0.0010	91	70	130			
Lead		0.0511	mg/L	0.0010	102	70	130			
Manganese		0.103	mg/L	0.0010	108	70	130			
Mercury		0.00504	mg/L	0.0010	101	70	130			
Molybdenum		0.0513	mg/L	0.0010	101	70	130			
Nickel		0.0507	mg/L	0.0010	91	70	130			
Selenium		0.0512	mg/L	0.0010	100	70	130			
Silver		0.0163	mg/L	0.0010	82	70	130			
Thallium		0.0482	mg/L	0.0010	95	70	130			
Uranium		0.0672	mg/L	0.00030	108	70	130			
Vanadium		0.0501	mg/L	0.0010	99	70	130			
Zinc		0.0652	mg/L	0.0010	88	70	130			
Sample ID: C12050723-004BMSD	17	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120521A			05/21/12 23:09	
Arsenic		0.0508	mg/L	0.0010	101	70	130	1.3	20	
Beryllium		0.0433	mg/L	0.0010	87	70	130	2.1	20	
Cadmium		0.0471	mg/L	0.0010	94	70	130	1.2	20	
Chromium		0.0503	mg/L	0.0010	100	70	130	2.0	20	
Cobalt		0.0475	mg/L	0.0010	92	70	130	0.0	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: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R159869a
Sample ID: C12050723-004BMSD	17	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120521A				05/21/12 23:09
Copper		0.0461	mg/L	0.0010	91	70	130	0.3	20	
Lead		0.0518	mg/L	0.0010	104	70	130	1.5	20	
Manganese		0.106	mg/L	0.0010	112	70	130	2.2	20	
Mercury		0.00507	mg/L	0.0010	101	70	130	0.6	20	
Molybdenum		0.0519	mg/L	0.0010	102	70	130	1.1	20	
Nickel		0.0520	mg/L	0.0010	94	70	130	2.5	20	
Selenium		0.0535	mg/L	0.0010	105	70	130	4.5	20	
Silver		0.0168	mg/L	0.0010	84	70	130	3.0	20	
Thallium		0.0487	mg/L	0.0010	96	70	130	1.1	20	
Uranium		0.0659	mg/L	0.00030	106	70	130	1.9	20	
Vanadium		0.0514	mg/L	0.0010	102	70	130	2.6	20	
Zinc		0.0646	mg/L	0.0010	86	70	130	1.0	20	
Sample ID: LRB	17	Method Blank				Run: ICPMS4-C_120521A				05/21/12 16:23
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_120521A				05/21/12 16:28
Arsenic		0.0505	mg/L	0.0010	101	85	115			
Beryllium		0.0520	mg/L	0.0010	104	85	115			
Cadmium		0.0508	mg/L	0.0010	102	85	115			
Chromium		0.0503	mg/L	0.0010	101	85	115			
Cobalt		0.0472	mg/L	0.0010	94	85	115			
Copper		0.0503	mg/L	0.0010	101	85	115			
Lead		0.0495	mg/L	0.0010	99	85	115			
Manganese		0.0513	mg/L	0.0010	103	85	115			
Mercury		0.00496	mg/L	0.0010	98	85	115			
Molybdenum		0.0494	mg/L	0.0010	99	85	115			
Nickel		0.0504	mg/L	0.0010	101	85	115			
Selenium		0.0513	mg/L	0.0010	103	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

Client: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R159869a
Sample ID: LFB	17	Laboratory Fortified Blank				Run: ICPMS4-C_120521A				05/21/12 16:28
Silver		0.0185	mg/L	0.0010	92	85	115			
Thallium		0.0470	mg/L	0.0010	94	85	115			
Uranium		0.0448	mg/L	0.00030	90	85	115			
Vanadium		0.0499	mg/L	0.0010	100	85	115			
Zinc		0.0521	mg/L	0.0010	104	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

Client: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R159689
Sample ID: MBLK-1		Method Blank				Run: TECHNICON_120516A				05/16/12 12:23
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.10						
Sample ID: LCS-2		Laboratory Control Sample				Run: TECHNICON_120516A				05/16/12 12:26
Nitrogen, Nitrate+Nitrite as N		2.49	mg/L	0.10	100	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_120516A				05/16/12 12:28
Nitrogen, Nitrate+Nitrite as N		1.98	mg/L	0.10	101	90	110			
Sample ID: C12050443-010CMS		Sample Matrix Spike				Run: TECHNICON_120516A				05/16/12 13:08
Nitrogen, Nitrate+Nitrite as N		2.19	mg/L	0.10	103	90	110			
Sample ID: C12050443-010CMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_120516A				05/16/12 13:11
Nitrogen, Nitrate+Nitrite as N		2.22	mg/L	0.10	104	90	110	1.4	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1										Batch: GA-0536
Sample ID: LCS-GA-0536		Laboratory Control Sample				Run: BERTHOLD 770-1_120518C				06/04/12 16:54
Gross Alpha minus Rn & U		20.3	pCi/L		100	70	130			
Sample ID: C12050443-002DMS		Sample Matrix Spike				Run: BERTHOLD 770-1_120518C				06/04/12 16:54
Gross Alpha minus Rn & U		40.9	pCi/L		97	70	130			
Sample ID: C12050443-002DMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-1_120518C				06/04/12 16:54
Gross Alpha minus Rn & U		45.5	pCi/L		109	70	130	11	22.2	
Sample ID: MB-GA-0536	3	Method Blank				Run: BERTHOLD 770-1_120518C				06/04/12 22:14
Gross Alpha minus Rn & U		-0.0984	pCi/L							U
Gross Alpha minus Rn & U Precision (±)		0.158	pCi/L							
Gross Alpha minus Rn & U MDC		0.314	pCi/L							

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: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R159829
Sample ID: 15-May-12_LCS_4	16	Laboratory Control Sample				Run: 5975VOC1_120515A				05/15/12 12:55
Acetone		86	ug/L	20	86	70	130			
Benzene		11	ug/L	1.0	113	70	130			
Carbon tetrachloride		9.5	ug/L	1.0	95	70	130			
Chloroform		9.2	ug/L	1.0	92	70	130			
Chloromethane		9.9	ug/L	1.0	99	70	130			
m+p-Xylenes		17	ug/L	1.0	87	70	130			
Methyl ethyl ketone		110	ug/L	20	115	70	130			
Methylene chloride		8.0	ug/L	1.0	80	70	130			
Naphthalene		11	ug/L	1.0	112	70	130			
o-Xylene		9.0	ug/L	1.0	90	70	130			
Toluene		9.6	ug/L	1.0	96	70	130			
Xylenes, Total		26	ug/L	1.0	88	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	113	80	120			
Surr: Dibromofluoromethane				1.0	97	70	130			
Surr: p-Bromofluorobenzene				1.0	114	80	130			
Surr: Toluene-d8				1.0	104	80	120			
Sample ID: 15-May-12_MBLK_6	16	Method Blank				Run: 5975VOC1_120515A				05/15/12 14:06
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	97	80	120			
Surr: Dibromofluoromethane				1.0	105	70	130			
Surr: p-Bromofluorobenzene				1.0	132	80	120			S
Surr: Toluene-d8				1.0	97	80	120			
Sample ID: C12050272-004EMS	16	Sample Matrix Spike				Run: 5975VOC1_120515A				05/15/12 20:01
Acetone		190000	ug/L	20000	95	70	130			
Benzene		22000	ug/L	1000	111	70	130			
Carbon tetrachloride		17000	ug/L	1000	85	70	130			
Chloroform		20000	ug/L	1000	98	70	130			
Chloromethane		22000	ug/L	1000	108	70	130			
m+p-Xylenes		36000	ug/L	1000	90	70	130			
Methyl ethyl ketone		150000	ug/L	20000	77	70	130			
Methylene chloride		19000	ug/L	1000	95	70	130			
Naphthalene		19000	ug/L	1000	96	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

Client: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R159829
Sample ID: C12050272-004EMS	16	Sample Matrix Spike				Run: 5975VOC1_120515A				05/15/12 20:01
o-Xylene		21000	ug/L	1000	105	70	130			
Toluene		19000	ug/L	1000	95	70	130			
Xylenes, Total		57000	ug/L	1000	95	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	108	80	120			
Surr: Dibromofluoromethane				1.0	105	70	130			
Surr: p-Bromofluorobenzene				1.0	118	80	120			
Surr: Toluene-d8				1.0	101	80	120			
Sample ID: C12050272-004EMSD	16	Sample Matrix Spike Duplicate				Run: 5975VOC1_120515A				05/15/12 20:36
Acetone		180000	ug/L	20000	90	70	130			
Benzene		24000	ug/L	1000	118	70	130			
Carbon tetrachloride		18000	ug/L	1000	88	70	130			
Chloroform		19000	ug/L	1000	97	70	130			
Chloromethane		23000	ug/L	1000	113	70	130			
m+p-Xylenes		37000	ug/L	1000	93	70	130			
Methyl ethyl ketone		160000	ug/L	20000	79	70	130			
Methylene chloride		19000	ug/L	1000	94	70	130			
Naphthalene		21000	ug/L	1000	107	70	130			
o-Xylene		22000	ug/L	1000	108	70	130			
Toluene		20000	ug/L	1000	101	70	130			
Xylenes, Total		59000	ug/L	1000	98	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	110	80	120			
Surr: Dibromofluoromethane				1.0	99	70	130			
Surr: p-Bromofluorobenzene				1.0	115	80	120			
Surr: Toluene-d8				1.0	104	80	120			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R159837
Sample ID: 051612_LCS_4	16	Laboratory Control Sample				Run: SATURNCA_120516A				05/16/12 13:30
Acetone		88	ug/L	20	88	70	130			
Benzene		9.6	ug/L	1.0	96	70	130			
Carbon tetrachloride		8.9	ug/L	1.0	89	70	130			
Chloroform		9.1	ug/L	1.0	91	70	130			
Chloromethane		9.7	ug/L	1.0	97	70	130			
m+p-Xylenes		19	ug/L	1.0	95	70	130			
Methyl ethyl ketone		90	ug/L	20	90	70	130			
Methylene chloride		9.2	ug/L	1.0	92	70	130			
Naphthalene		9.6	ug/L	1.0	96	70	130			
o-Xylene		9.2	ug/L	1.0	92	70	130			
Toluene		9.8	ug/L	1.0	98	70	130			
Xylenes, Total		28	ug/L	1.0	94	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	90	80	120			
Surr: Dibromofluoromethane				1.0	96	70	130			
Surr: p-Bromofluorobenzene				1.0	94	80	130			
Surr: Toluene-d8				1.0	97	80	120			
Sample ID: 051612_MBLK_6	16	Method Blank				Run: SATURNCA_120516A				05/16/12 14:43
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	98	70	130			
Surr: p-Bromofluorobenzene				1.0	91	80	120			
Surr: Toluene-d8				1.0	98	80	120			
Sample ID: C12050425-002GMS	16	Sample Matrix Spike				Run: SATURNCA_120516A				05/17/12 00:38
Acetone		1900	ug/L	200	97	70	130			
Benzene		200	ug/L	10	102	70	130			
Carbon tetrachloride		200	ug/L	10	101	70	130			
Chloroform		200	ug/L	10	102	70	130			
Chloromethane		220	ug/L	10	110	70	130			
m+p-Xylenes		420	ug/L	10	104	70	130			
Methyl ethyl ketone		1900	ug/L	200	94	70	130			
Methylene chloride		210	ug/L	10	107	70	130			
Naphthalene		200	ug/L	10	99	70	130			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 06/14/12
Project: Semi-Annual Groundwater 2012
Work Order: C12050443

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R159837
Sample ID: C12050425-002GMS	16	Sample Matrix Spike				Run: SATURNCA_120516A				05/17/12 00:38
o-Xylene		210	ug/L	10	104	70	130			
Toluene		220	ug/L	10	108	70	130			
Xylenes, Total		620	ug/L	10	104	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	93	80	120			
Surr: Dibromofluoromethane				1.0	100	70	130			
Surr: p-Bromofluorobenzene				1.0	96	80	120			
Surr: Toluene-d8				1.0	105	80	120			
Sample ID: C12050425-002GMSD	16	Sample Matrix Spike Duplicate				Run: SATURNCA_120516A				05/17/12 01:15
Acetone		1900	ug/L	200	96	70	130	0.8	20	
Benzene		200	ug/L	10	99	70	130	3.2	20	
Carbon tetrachloride		200	ug/L	10	100	70	130	0.4	20	
Chloroform		200	ug/L	10	99	70	130	2.4	20	
Chloromethane		210	ug/L	10	107	70	130	2.6	20	
m+p-Xylenes		410	ug/L	10	102	70	130	2.3	20	
Methyl ethyl ketone		1900	ug/L	200	93	70	130	1.3	20	
Methylene chloride		200	ug/L	10	101	70	130	5.8	20	
Naphthalene		210	ug/L	10	103	70	130	4.0	20	
o-Xylene		200	ug/L	10	98	70	130	5.5	20	
Toluene		210	ug/L	10	104	70	130	3.8	20	
Xylenes, Total		600	ug/L	10	101	70	130	3.4	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	92	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	97	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	98	80	120	0.0	10	
Surr: Toluene-d8				1.0	99	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
MDC - Minimum detectable concentration

Workorder Receipt Checklist

C12050443

Denison Mines USA Corp

Login completed by: Kristy Gisse
Date Received: 5/11/2012
Reviewed by: BL2000\kschroeder
Received by: kg
Reviewed Date: 5/11/2012
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Container/Temp Blank temperature:	2.3°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT (Provide as much information as possible.)

Company Name: Denison Mines	Project Name, PWS, Permit, Etc.: Semiannual Ground Water 2012	Sample Origin State: UT	EPA/State Compliance: Yes ☑ No ☐
Report Mail Address: PO BOX 809 Blanding UT 84511	Contact Name: Garrin Palmer Phone/Fax: 435 678 2221	Email:	Sampler: (Please Print) Tanner Holliday
Invoice Address: Same	Invoice Contact & Phone: David Turk 435 678 2221	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:

☐ DW ☐ POTW/WWTP ☐ State: _____ ☐ Other: _____

☐ EDD/EDT (Electronic Data) Format: _____ ☐ LEVEL IV ☐ 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

Standard Turnaround (TAT)

R U S H

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments: Trip Blank G946 Included & Temp Blank

Shipped by: FE-NDA

Cooler ID(s): Client

Receipt Temp: 2.3 °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	Quote # C1640	SEE ATTACHED
1	MW-02_05092012	5/9/2012	0845	G-W	X	
2	MW-05_05092012	5/9/2012	1450	G-W	X	
3	MW-11_05082012	5/8/2012	1440	G-W	X	
4	MW-12_05102012	5/10/12	0700	G-W	X	
5	MW-14_05092012	5/9/12	0920	G-W	X	
6	MW-15_05092012	5/9/12	1245	G-W	X	
7	MW-24_05102012	5/10/12	0630	G-W	X	
8	MW-28_05082012	5/8/12	0945	G-W	X	
9	MW-29_05082012	5/8/12	1235	G-W	X	
10	MW-36_05082012	5/8/12	0800	G-W	X	

LABORATORY USE ONLY C12050443

Custody Record MUST be Signed

	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
1	Tanner Holliday	5/10/2012 1100	Tanner Holliday			
2						

Received by Laboratory: Date/Time: 5-11-12 9:45 Signature: Kris Gross

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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.

ENERGY LABORATORIES
www.energylab.com
Analytical Excellence Since 1952
Helena, MT 877-472-0711 • Billings, MT 800-735-4489 • Casper, WY 888-235-0515
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

ANALYTICAL SUMMARY REPORT

July 31, 2012

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12050723 Quote ID: C1640 - POC Wells

Project Name: Semi-Annual Groundwater 2012

Energy Laboratories, Inc. Casper WY received the following 7 samples for Denison Mines USA Corp on 5/18/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12050723-001	MW-03_05142012	05/14/12 14:30	05/18/12	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 Sulfate SW8260B VOCs, Standard List
C12050723-002	MW-03A_05152012	05/15/12 10:00	05/18/12	Aqueous	Same As Above
C12050723-003	MW-19_05162012	05/16/12 9:00	05/18/12	Aqueous	Same As Above
C12050723-004	MW-23_05162012	05/16/12 10:30	05/18/12	Aqueous	Same As Above
C12050723-005	MW-70_05162012	05/16/12 9:00	05/18/12	Aqueous	Same As Above
C12050723-006	Trip Blank 6746	05/14/12 0:00	05/18/12	Aqueous	SW8260B VOCs, Standard List
C12050723-007	Temp Blank	05/17/12 0:00	05/18/12	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: 2012.07.31 17:42:15 -06:00

CLIENT: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Sample Delivery Group: C12050723

Revised Date: 07/31/12
Report Date: 06/15/12

CASE NARRATIVE

REVISED/SUPPLEMENTAL REPORT (R3)
The attached analytical report has been revised from a previously submitted report due to the request by Kathy Weinel on July 18, 2012 to report the original Mercury result for sample -002. The data presented here reflects this change.

REVISED/SUPPLEMENTAL REPORT (R2)
The attached analytical report has been revised from a previously submitted report due to the request by Kathy Weinel on July 9, 2012 for the reanalysis of dissolved Thallium on sample -001. The data presented here is from that recheck analysis.

REVISED/SUPPLEMENTAL REPORT (R1)
The attached analytical report has been revised from a previously submitted report due to the request by Kathy Weinel on July 2, 2012 for the reanalysis of trace metals on sample -002. The data presented here is from that recheck analysis.

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: Semi-Annual Groundwater 2012

Revised Date: 07/31/12
Report Date: 06/15/12

Lab ID: C12050723-001
Client Sample ID: MW-03_05142012

Collection Date: 05/14/12 14:30
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.99	s.u.	H	0.01		A4500-H B	05/21/12 10:06 / ab

Lab ID: C12050723-002
Client Sample ID: MW-03A_05152012

Collection Date: 05/15/12 10:00
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	6.96	s.u.	H	0.01		A4500-H B	05/21/12 10:09 / ab

Lab ID: C12050723-003
Client Sample ID: MW-19_05162012

Collection Date: 05/16/12 09:00
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.10	s.u.	H	0.01		A4500-H B	05/21/12 10:12 / ab

Lab ID: C12050723-004
Client Sample ID: MW-23_05162012

Collection Date: 05/16/12 10:30
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.02	s.u.	H	0.01		A4500-H B	05/21/12 10:14 / 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: Semi-Annual Groundwater 2012

Revised Date: 07/31/12
Report Date: 06/15/12

Lab ID: C12050723-005
Client Sample ID: MW-70_05162012

Collection Date: 05/16/12 09:00
DateReceived: 05/18/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.12	s.u.	H	0.01		A4500-H B	05/21/12 10:17 / 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: 07/31/12
Report Date: 06/15/12
Work Order: C12050723

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R159800
Sample ID: C12050712-007ADUP	3	Sample Duplicate				Run: MANTECH_120518B				05/18/12 19:47
Alkalinity, Total as CaCO3		1290	mg/L	5.0				0.5	10	
Carbonate as CO3		ND	mg/L	5.0					10	
Bicarbonate as HCO3		1580	mg/L	5.0				0.5	10	
Sample ID: C12050712-008AMS		Sample Matrix Spike				Run: MANTECH_120518B				05/18/12 20:05
Alkalinity, Total as CaCO3		893	mg/L	5.0	106	80	120			
Sample ID: LCS-6677		Laboratory Control Sample				Run: MANTECH_120518B				05/18/12 23:08
Alkalinity, Total as CaCO3		207	mg/L	5.0	104	90	110			
Sample ID: MBLK	3	Method Blank				Run: MANTECH_120518B				05/19/12 02:20
Alkalinity, Total as CaCO3		ND	mg/L	5.0						
Carbonate as CO3		ND	mg/L	1.0						
Bicarbonate as HCO3		1.18	mg/L	1.0						

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12

Client: Denison Mines USA Corp

Report Date: 06/15/12

Project: Semi-Annual Groundwater 2012

Work Order: C12050723

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C										Batch: TDS120521A
Sample ID: MB-1_120521A		Method Blank				Run: BAL-1_120521A				05/21/12 10:53
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	10						
Sample ID: LCS-2_120521A		Laboratory Control Sample				Run: BAL-1_120521A				05/21/12 10:53
Solids, Total Dissolved TDS @ 180 C		1100	mg/L	10	99	90	110			
Sample ID: C12050723-002A DUP		Sample Duplicate				Run: BAL-1_120521A				05/21/12 11:02
Solids, Total Dissolved TDS @ 180 C		5780	mg/L	10				1.0	5	
Sample ID: C12050723-003A MS		Sample Matrix Spike				Run: BAL-1_120521A				05/21/12 11:03
Solids, Total Dissolved TDS @ 180 C		2520	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

Revised Date: 07/31/12
Report Date: 06/15/12
Work Order: C12050723

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B									Batch: 120530A-CL-TTR-W	
Sample ID: MBLK9-120530A		Method Blank				Run: TITRATION_120530A			05/30/12 09:03	
Chloride		ND	mg/L	1.0						
Sample ID: C12050723-005AMS		Sample Matrix Spike				Run: TITRATION_120530A			05/30/12 09:33	
Chloride		125	mg/L	1.0	101	90	110			
Sample ID: C12050723-005AMSD		Sample Matrix Spike Duplicate				Run: TITRATION_120530A			05/30/12 09:35	
Chloride		124	mg/L	1.0	100	90	110	0.7	10	
Sample ID: LCS35-120530A		Laboratory Control Sample				Run: TITRATION_120530A			05/30/12 09:46	
Chloride		3550	mg/L	1.0	100	90	110			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12

Client: Denison Mines USA Corp

Report Date: 06/15/12

Project: Semi-Annual Groundwater 2012

Work Order: C12050723

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-F C										Batch: R159784
Sample ID: MBLK		Method Blank				Run: MANTECH_120518A				05/18/12 10:56
Fluoride		ND	mg/L	0.10						
Sample ID: LCS-6739		Laboratory Control Sample				Run: MANTECH_120518A				05/18/12 10:59
Fluoride		2.00	mg/L	0.10	100	90	110			
Sample ID: C12050723-001AMS		Sample Matrix Spike				Run: MANTECH_120518A				05/18/12 14:09
Fluoride		2.77	mg/L	0.10	87	80	120			
Sample ID: C12050723-001AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_120518A				05/18/12 14:12
Fluoride		2.77	mg/L	0.10	87	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: 07/31/12

Client: Denison Mines USA Corp

Report Date: 06/15/12

Project: Semi-Annual Groundwater 2012

Work Order: C12050723

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Analytical Run: PHSC_101-C_120521A	
Sample ID: pH 6.86		Initial Calibration Verification Standard							05/21/12 08:58	
pH		6.83	s.u.	0.010	100	98	102			
Sample ID: pH 6.86		Initial Calibration Verification Standard							05/21/12 12:11	
pH		6.83	s.u.	0.010	100	98	102			
Method: A4500-H B									Batch: R159809	
Sample ID: C12050715-004ADUP		Sample Duplicate				Run: PHSC_101-C_120521A			05/21/12 09:49	
pH		7.71	s.u.	0.010				0.0	3	

Qualifiers:

RL - Analyte reporting limit.

MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12
Report Date: 06/15/12
Work Order: C12050723

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G										Batch: R159844
Sample ID: MBLK-1		Method Blank				Run: TECHNICON_120521A				05/21/12 14:10
Nitrogen, Ammonia as N		ND	mg/L	0.050						
Sample ID: LCS-2		Laboratory Control Sample				Run: TECHNICON_120521A				05/21/12 14:12
Nitrogen, Ammonia as N		2.04	mg/L	0.050	102	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_120521A				05/21/12 14:14
Nitrogen, Ammonia as N		2.02	mg/L	0.050	103	80	120			
Sample ID: C12050723-002DMS		Sample Matrix Spike				Run: TECHNICON_120521A				05/21/12 15:16
Nitrogen, Ammonia as N		2.02	mg/L	0.050	103	90	110			
Sample ID: C12050723-002DMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_120521A				05/21/12 15:18
Nitrogen, Ammonia as N		2.05	mg/L	0.050	105	90	110	1.5	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12
Report Date: 06/15/12
Work Order: C12050723

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E									Batch: 120523_1_SO4-TURB-W	
Sample ID: LCS-1_120523		Laboratory Control Sample				Run: TURB-2_120523A			05/23/12 10:56	
Sulfate		4970	mg/L	100	104	90	110			
Sample ID: MBLK-1_120523		Method Blank				Run: TURB-2_120523A			05/23/12 10:58	
Sulfate		ND	mg/L	20						
Sample ID: C12050723-003AMS		Sample Matrix Spike				Run: TURB-2_120523A			05/23/12 11:16	
Sulfate		1200	mg/L	25	103	90	110			
Sample ID: C12050723-003AMSD		Sample Matrix Spike Duplicate				Run: TURB-2_120523A			05/23/12 11:20	
Sulfate		1190	mg/L	25	101	90	110	0.6	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12
Report Date: 06/15/12
Work Order: C12050723

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP2-C_120521A	
Sample ID: ICV	5	Initial Calibration Verification Standard							05/21/12 13:15	
Calcium		47.8	mg/L	0.50	96	95	105			
Iron		4.82	mg/L	0.030	96	95	105			
Magnesium		48.4	mg/L	0.50	97	95	105			
Potassium		49.4	mg/L	0.50	99	95	105			
Sodium		52.5	mg/L	0.50	105	95	105			
Sample ID: ICSA	5	Interference Check Sample A							05/21/12 13:55	
Calcium		542	mg/L	0.50	108	80	120			
Iron		214	mg/L	0.030	107	80	120			
Magnesium		559	mg/L	0.50	112	80	120			
Potassium		-0.0328	mg/L	0.50						
Sodium		-0.137	mg/L	0.50						
Sample ID: ICSAB	5	Interference Check Sample AB							05/21/12 13:59	
Calcium		559	mg/L	0.50	112	80	120			
Iron		222	mg/L	0.030	111	80	120			
Magnesium		581	mg/L	0.50	116	80	120			
Potassium		-0.101	mg/L	0.50						
Sodium		-0.110	mg/L	0.50						
Method: E200.7									Batch: R159862	
Sample ID: MB-120521A	5	Method Blank				Run: ICP2-C_120521A			05/21/12 14:19	
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-120521A	5	Laboratory Fortified Blank				Run: ICP2-C_120521A			05/21/12 14:23	
Calcium		45.7	mg/L	0.50	91	85	115			
Iron		0.915	mg/L	0.030	92	85	115			
Magnesium		45.2	mg/L	0.50	90	85	115			
Potassium		48.5	mg/L	0.50	97	85	115			
Sodium		49.0	mg/L	0.50	98	85	115			
Sample ID: C12050704-005BMS2	5	Sample Matrix Spike				Run: ICP2-C_120521A			05/21/12 15:31	
Calcium		51.2	mg/L	1.0	92	70	130			
Iron		0.834	mg/L	0.030	82	70	130			
Magnesium		46.2	mg/L	1.0	90	70	130			
Potassium		53.9	mg/L	1.0	99	70	130			
Sodium		124	mg/L	1.0	78	70	130			
Sample ID: C12050704-005BMSD	5	Sample Matrix Spike Duplicate				Run: ICP2-C_120521A			05/21/12 15:35	
Calcium		51.3	mg/L	1.0	93	70	130	0.2	20	
Iron		0.837	mg/L	0.030	82	70	130	0.4	20	
Magnesium		46.3	mg/L	1.0	90	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12
Report Date: 06/15/12
Work Order: C12050723

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R159862
Sample ID: C12050704-005BMSD	5	Sample Matrix Spike Duplicate				Run: ICP2-C_120521A				05/21/12 15:35
Potassium		54.8	mg/L	1.0	101	70	130	1.7	20	
Sodium		125	mg/L	1.0	81	70	130	1.2	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12
Report Date: 06/15/12
Work Order: C12050723

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS4-C_120521A	
Sample ID: ICV	17	Initial Calibration Verification Standard							05/21/12 15:48	
Arsenic		0.0503	mg/L	0.0010	101	90	110			
Beryllium		0.0502	mg/L	0.0010	100	90	110			
Cadmium		0.0505	mg/L	0.0010	101	90	110			
Chromium		0.0500	mg/L	0.0010	100	90	110			
Cobalt		0.0495	mg/L	0.0010	99	90	110			
Copper		0.0510	mg/L	0.0010	102	90	110			
Lead		0.0494	mg/L	0.0010	99	90	110			
Manganese		0.0501	mg/L	0.0010	100	90	110			
Mercury		0.00517	mg/L	0.0010	103	90	110			
Molybdenum		0.0497	mg/L	0.0010	99	90	110			
Nickel		0.0503	mg/L	0.0010	101	90	110			
Selenium		0.0530	mg/L	0.0010	106	90	110			
Silver		0.0203	mg/L	0.0010	102	90	110			
Thallium		0.0476	mg/L	0.0010	95	90	110			
Uranium		0.0450	mg/L	0.00030	90	90	110			
Vanadium		0.0497	mg/L	0.0010	99	90	110			
Zinc		0.0515	mg/L	0.0010	103	90	110			
Method: E200.8									Batch: R159869a	
Sample ID: C12050723-004BMS	17	Sample Matrix Spike				Run: ICPMS4-C_120521A			05/21/12 23:04	
Arsenic		0.0501	mg/L	0.0010	100	70	130			
Beryllium		0.0424	mg/L	0.0010	85	70	130			
Cadmium		0.0465	mg/L	0.0010	93	70	130			
Chromium		0.0493	mg/L	0.0010	98	70	130			
Cobalt		0.0475	mg/L	0.0010	92	70	130			
Copper		0.0459	mg/L	0.0010	91	70	130			
Lead		0.0511	mg/L	0.0010	102	70	130			
Manganese		0.103	mg/L	0.0010	108	70	130			
Mercury		0.00504	mg/L	0.0010	101	70	130			
Molybdenum		0.0513	mg/L	0.0010	101	70	130			
Nickel		0.0507	mg/L	0.0010	91	70	130			
Selenium		0.0512	mg/L	0.0010	100	70	130			
Silver		0.0163	mg/L	0.0010	82	70	130			
Thallium		0.0482	mg/L	0.0010	95	70	130			
Uranium		0.0672	mg/L	0.00030	108	70	130			
Vanadium		0.0501	mg/L	0.0010	99	70	130			
Zinc		0.0652	mg/L	0.0010	88	70	130			
Sample ID: C12050723-004BMSD	17	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120521A			05/21/12 23:09	
Arsenic		0.0508	mg/L	0.0010	101	70	130	1.3	20	
Beryllium		0.0433	mg/L	0.0010	87	70	130	2.1	20	
Cadmium		0.0471	mg/L	0.0010	94	70	130	1.2	20	
Chromium		0.0503	mg/L	0.0010	100	70	130	2.0	20	
Cobalt		0.0475	mg/L	0.0010	92	70	130	0.0	20	
Copper		0.0461	mg/L	0.0010	91	70	130	0.3	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12
Report Date: 06/15/12
Work Order: C12050723

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R159869a
Sample ID: C12050723-004BMSD	17	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120521A				05/21/12 23:09
Lead		0.0518	mg/L	0.0010	104	70	130	1.5	20	
Manganese		0.106	mg/L	0.0010	112	70	130	2.2	20	
Mercury		0.00507	mg/L	0.0010	101	70	130	0.6	20	
Molybdenum		0.0519	mg/L	0.0010	102	70	130	1.1	20	
Nickel		0.0520	mg/L	0.0010	94	70	130	2.5	20	
Selenium		0.0535	mg/L	0.0010	105	70	130	4.5	20	
Silver		0.0168	mg/L	0.0010	84	70	130	3.0	20	
Thallium		0.0487	mg/L	0.0010	96	70	130	1.1	20	
Uranium		0.0659	mg/L	0.00030	106	70	130	1.9	20	
Vanadium		0.0514	mg/L	0.0010	102	70	130	2.6	20	
Zinc		0.0646	mg/L	0.0010	86	70	130	1.0	20	
Sample ID: LRB	17	Method Blank				Run: ICPMS4-C_120521A				05/21/12 16:23
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_120521A				05/21/12 16:28
Arsenic		0.0505	mg/L	0.0010	101	85	115			
Beryllium		0.0520	mg/L	0.0010	104	85	115			
Cadmium		0.0508	mg/L	0.0010	102	85	115			
Chromium		0.0503	mg/L	0.0010	101	85	115			
Cobalt		0.0472	mg/L	0.0010	94	85	115			
Copper		0.0503	mg/L	0.0010	101	85	115			
Lead		0.0495	mg/L	0.0010	99	85	115			
Manganese		0.0513	mg/L	0.0010	103	85	115			
Mercury		0.00496	mg/L	0.0010	98	85	115			
Molybdenum		0.0494	mg/L	0.0010	99	85	115			
Nickel		0.0504	mg/L	0.0010	101	85	115			
Selenium		0.0513	mg/L	0.0010	103	85	115			
Silver		0.0185	mg/L	0.0010	92	85	115			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12
Report Date: 06/15/12
Work Order: C12050723

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R159869a
Sample ID: LFB	17	Laboratory Fortified Blank				Run: ICPMS4-C_120521A				05/21/12 16:28
Thallium		0.0470	mg/L	0.0010	94	85	115			
Uranium		0.0448	mg/L	0.00030	90	85	115			
Vanadium		0.0499	mg/L	0.0010	100	85	115			
Zinc		0.0521	mg/L	0.0010	104	85	115			
Method: E200.8										Analytical Run: ICPMS4-C_120522A
Sample ID: ICV	4	Initial Calibration Verification Standard								05/22/12 16:02
Lead		0.0513	mg/L	0.0010	103	90	110			
Mercury		0.00494	mg/L	0.0010	99	90	110			
Thallium		0.0525	mg/L	0.0010	105	90	110			
Uranium		0.0531	mg/L	0.00030	106	90	110			
Method: E200.8										Batch: R159925A
Sample ID: C12050745-003BMS4	4	Sample Matrix Spike				Run: ICPMS4-C_120522A				05/22/12 20:56
Lead		0.105	mg/L	0.0010	105	70	130			
Mercury		0.00986	mg/L	0.00010	99	70	130			
Thallium		0.106	mg/L	0.00050	106	70	130			
Uranium		0.134	mg/L	0.00030	111	70	130			
Sample ID: C12050745-003BMSD	4	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120522A				05/22/12 21:01
Lead		0.108	mg/L	0.0010	108	70	130	2.7	20	
Mercury		0.00971	mg/L	0.00010	97	70	130	1.5	20	
Thallium		0.109	mg/L	0.00050	109	70	130	2.5	20	
Uranium		0.137	mg/L	0.00030	114	70	130	2.5	20	
Sample ID: LRB	4	Method Blank				Run: ICPMS4-C_120522A				05/22/12 16:38
Lead		ND	mg/L	0.0010						
Mercury		ND	mg/L	0.00050						
Thallium		ND	mg/L	0.00050						
Uranium		ND	mg/L	0.00030						
Sample ID: LFB	4	Laboratory Fortified Blank				Run: ICPMS4-C_120522A				05/22/12 16:43
Lead		0.0524	mg/L	0.0010	105	85	115			
Mercury		0.00441	mg/L	0.0010	88	85	115			
Thallium		0.0526	mg/L	0.0010	105	85	115			
Uranium		0.0533	mg/L	0.00030	107	85	115			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12
Report Date: 06/15/12
Work Order: C12050723

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Analytical Run: ICPMS4-C_120702A
Sample ID: ICV	16	Initial Calibration Verification Standard								07/02/12 12:45
Arsenic		0.0496	mg/L	0.0010	99	90	110			
Beryllium		0.0513	mg/L	0.0010	103	90	110			
Cadmium		0.0512	mg/L	0.0010	102	90	110			
Chromium		0.0507	mg/L	0.0010	101	90	110			
Cobalt		0.0515	mg/L	0.0010	103	90	110			
Copper		0.0516	mg/L	0.0010	103	90	110			
Lead		0.0509	mg/L	0.0010	102	90	110			
Manganese		0.0506	mg/L	0.0010	101	90	110			
Molybdenum		0.0526	mg/L	0.0010	105	90	110			
Nickel		0.0520	mg/L	0.0010	104	90	110			
Selenium		0.0504	mg/L	0.0010	101	90	110			
Silver		0.0211	mg/L	0.0010	105	90	110			
Thallium		0.0504	mg/L	0.0010	101	90	110			
Uranium		0.0501	mg/L	0.00030	100	90	110			
Vanadium		0.0508	mg/L	0.0010	102	90	110			
Zinc		0.0507	mg/L	0.0010	101	90	110			
Method: E200.8										Batch: R161457
Sample ID: LRB	16	Method Blank				Run: ICPMS4-C_120702A				07/02/12 14:10
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						
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	16	Laboratory Fortified Blank				Run: ICPMS4-C_120702A				07/02/12 14:14
Arsenic		0.0519	mg/L	0.0010	104	85	115			
Beryllium		0.0529	mg/L	0.0010	106	85	115			
Cadmium		0.0531	mg/L	0.0010	106	85	115			
Chromium		0.0519	mg/L	0.0010	104	85	115			
Cobalt		0.0529	mg/L	0.0010	106	85	115			
Copper		0.0538	mg/L	0.0010	107	85	115			
Lead		0.0511	mg/L	0.0010	102	85	115			
Manganese		0.0521	mg/L	0.0010	104	85	115			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12
Report Date: 06/15/12
Work Order: C12050723

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R161457
Sample ID: LFB	16	Laboratory Fortified Blank				Run: ICPMS4-C_120702A				07/02/12 14:14
Molybdenum		0.0532	mg/L	0.0010	106	85	115			
Nickel		0.0527	mg/L	0.0010	105	85	115			
Selenium		0.0531	mg/L	0.0010	106	85	115			
Silver		0.0225	mg/L	0.0010	112	85	115			
Thallium		0.0509	mg/L	0.0010	102	85	115			
Uranium		0.0492	mg/L	0.00030	98	85	115			
Vanadium		0.0526	mg/L	0.0010	105	85	115			
Zinc		0.0530	mg/L	0.0010	106	85	115			
Sample ID: C12061093-012AMS4	16	Sample Matrix Spike				Run: ICPMS4-C_120702A				07/02/12 20:02
Arsenic		0.0552	mg/L	0.0010	107	70	130			
Beryllium		0.0516	mg/L	0.0010	103	70	130			
Cadmium		0.0535	mg/L	0.0010	107	70	130			
Chromium		0.0516	mg/L	0.0050	103	70	130			
Cobalt		0.0513	mg/L	0.0050	102	70	130			
Copper		0.0548	mg/L	0.0050	103	70	130			
Lead		0.0517	mg/L	0.0010	103	70	130			
Manganese		0.0524	mg/L	0.0010	104	70	130			
Molybdenum		0.0549	mg/L	0.0010	106	70	130			
Nickel		0.0522	mg/L	0.0050	101	70	130			
Selenium		0.0562	mg/L	0.0010	111	70	130			
Silver		0.0189	mg/L	0.0010	95	70	130			
Thallium		0.0520	mg/L	0.00050	104	70	130			
Uranium		0.0544	mg/L	0.00030	104	70	130			
Vanadium		0.0538	mg/L	0.010	103	70	130			
Zinc		0.0545	mg/L	0.010	104	70	130			
Sample ID: C12061093-012AMSD	16	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120702A				07/02/12 20:05
Arsenic		0.0555	mg/L	0.0010	108	70	130	0.6	20	
Beryllium		0.0497	mg/L	0.0010	99	70	130	3.6	20	
Cadmium		0.0516	mg/L	0.0010	103	70	130	3.6	20	
Chromium		0.0519	mg/L	0.0050	104	70	130	0.5	20	
Cobalt		0.0495	mg/L	0.0050	99	70	130	3.5	20	
Copper		0.0552	mg/L	0.0050	104	70	130	0.8	20	
Lead		0.0505	mg/L	0.0010	101	70	130	2.3	20	
Manganese		0.0507	mg/L	0.0010	101	70	130	3.3	20	
Molybdenum		0.0535	mg/L	0.0010	103	70	130	2.6	20	
Nickel		0.0527	mg/L	0.0050	102	70	130	0.9	20	
Selenium		0.0570	mg/L	0.0010	113	70	130	1.5	20	
Silver		0.0187	mg/L	0.0010	94	70	130	1.1	20	
Thallium		0.0500	mg/L	0.00050	100	70	130	4.0	20	
Uranium		0.0525	mg/L	0.00030	100	70	130	3.6	20	
Vanadium		0.0536	mg/L	0.010	103	70	130	0.5	20	
Zinc		0.0547	mg/L	0.010	104	70	130	0.3	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12
Report Date: 06/15/12
Work Order: C12050723

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS4-C_120709A	
Sample ID: ICV		Initial Calibration Verification Standard							07/09/12 12:07	
Thallium		0.0491	mg/L	0.0010	98	90	110			
Method: E200.8									Batch: R161654	
Sample ID: LRB		Method Blank				Run: ICPMS4-C_120709A			07/09/12 12:50	
Thallium		ND	mg/L	0.00050						
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS4-C_120709A			07/09/12 12:55	
Thallium		0.0515	mg/L	0.0010	103	85	115			
Sample ID: C12060721-001DMS4		Sample Matrix Spike				Run: ICPMS4-C_120709A			07/09/12 19:00	
Thallium		0.0518	mg/L	0.00050	104	70	130			
Sample ID: C12060721-001DMSD		Sample Matrix Spike Duplicate				Run: ICPMS4-C_120709A			07/09/12 19:05	
Thallium		0.0523	mg/L	0.00050	105	70	130	0.9	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12
Report Date: 06/15/12
Work Order: C12050723

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R159903
Sample ID: MBLK-1	Method Blank					Run: TECHNICON_120522A				05/22/12 12:30
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.10						
Sample ID: LCS-2	Laboratory Control Sample					Run: TECHNICON_120522A				05/22/12 12:33
Nitrogen, Nitrate+Nitrite as N		2.36	mg/L	0.10	94	90	110			
Sample ID: LFB-3	Laboratory Fortified Blank					Run: TECHNICON_120522A				05/22/12 12:35
Nitrogen, Nitrate+Nitrite as N		1.81	mg/L	0.10	92	90	110			
Sample ID: C12050723-004DMS	Sample Matrix Spike					Run: TECHNICON_120522A				05/22/12 16:53
Nitrogen, Nitrate+Nitrite as N		1.97	mg/L	0.10	90	90	110			
Sample ID: C12050723-004DMSD	Sample Matrix Spike Duplicate					Run: TECHNICON_120522A				05/22/12 16:55
Nitrogen, Nitrate+Nitrite as N		2.02	mg/L	0.10	93	90	110	2.5	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Revised Date: 07/31/12

Client: Denison Mines USA Corp

Report Date: 06/15/12

Project: Semi-Annual Groundwater 2012

Work Order: C12050723

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1										Batch: GA-0538
Sample ID: LCS-GA-0538		Laboratory Control Sample				Run: BERTHOLD 770-1_120529A				05/30/12 18:11
Gross Alpha minus Rn & U		22.1	pCi/L		107	70	130			
Sample ID: MB-GA-0538	3	Method Blank				Run: BERTHOLD 770-1_120529A				05/30/12 18:11
Gross Alpha minus Rn & U		0.0528	pCi/L							U
Gross Alpha minus Rn & U Precision (±)		0.332	pCi/L							
Gross Alpha minus Rn & U MDC		0.568	pCi/L							
Sample ID: C12050445-001GMS		Sample Matrix Spike				Run: BERTHOLD 770-1_120529A				05/30/12 18:11
Gross Alpha minus Rn & U		48.5	pCi/L		116	70	130			
Sample ID: C12050445-001GMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-1_120529A				05/30/12 18:11
Gross Alpha minus Rn & U		46.3	pCi/L		110	70	130	4.7	26.2	

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: 07/31/12
Report Date: 06/15/12
Work Order: C12050723

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R160049
Sample ID: 052312_LCS_5	16	Laboratory Control Sample				Run: SATURNCA_120523C				05/23/12 12:29
Acetone		130	ug/L	20	130	70	130			
Benzene		11	ug/L	1.0	109	70	130			
Carbon tetrachloride		11	ug/L	1.0	115	70	130			
Chloroform		12	ug/L	1.0	122	70	130			
Chloromethane		7.5	ug/L	1.0	75	70	130			
m+p-Xylenes		19	ug/L	1.0	93	70	130			
Methyl ethyl ketone		130	ug/L	20	134	70	130			S
Methylene chloride		12	ug/L	1.0	120	70	130			
Naphthalene		12	ug/L	1.0	115	70	130			
o-Xylene		9.6	ug/L	1.0	96	70	130			
Toluene		11	ug/L	1.0	113	70	130			
Xylenes, Total		28	ug/L	1.0	94	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	100	80	120			
Surr: Dibromofluoromethane				1.0	111	70	130			
Surr: p-Bromofluorobenzene				1.0	98	80	130			
Surr: Toluene-d8				1.0	102	80	120			
Sample ID: 052312_MBLK_7	16	Method Blank				Run: SATURNCA_120523C				05/23/12 13:42
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	109	70	130			
Surr: p-Bromofluorobenzene				1.0	92	80	120			
Surr: Toluene-d8				1.0	99	80	120			
Sample ID: C12050723-002EMS	16	Sample Matrix Spike				Run: SATURNCA_120523C				05/24/12 06:08
Acetone		2700	ug/L	200	134	70	130			S
Benzene		220	ug/L	10	108	70	130			
Carbon tetrachloride		230	ug/L	10	117	70	130			
Chloroform		240	ug/L	10	122	70	130			
Chloromethane		160	ug/L	10	82	70	130			
m+p-Xylenes		420	ug/L	10	105	70	130			
Methyl ethyl ketone		2900	ug/L	200	143	70	130			S
Methylene chloride		250	ug/L	10	126	70	130			
Naphthalene		200	ug/L	10	98	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: 07/31/12
Report Date: 06/15/12
Work Order: C12050723

Client: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R160049
Sample ID: C12050723-002EMS	16	Sample Matrix Spike				Run: SATURNCA_120523C				05/24/12 06:08
o-Xylene		210	ug/L	10	103	70	130			
Toluene		220	ug/L	10	111	70	130			
Xylenes, Total		630	ug/L	10	105	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	94	80	120			
Surr: Dibromofluoromethane				1.0	112	70	130			
Surr: p-Bromofluorobenzene				1.0	94	80	120			
Surr: Toluene-d8				1.0	99	80	120			
Sample ID: C12050723-002EMSD	16	Sample Matrix Spike Duplicate				Run: SATURNCA_120523C				05/24/12 06:45
Acetone		2700	ug/L	200	137	70	130	2.4	20	S
Benzene		220	ug/L	10	111	70	130	2.6	20	
Carbon tetrachloride		220	ug/L	10	112	70	130	4.2	20	
Chloroform		240	ug/L	10	119	70	130	2.3	20	
Chloromethane		160	ug/L	10	79	70	130	3.5	20	
m+p-Xylenes		390	ug/L	10	96	70	130	8.7	20	
Methyl ethyl ketone		2900	ug/L	200	143	70	130	0.0	20	S
Methylene chloride		250	ug/L	10	125	70	130	0.3	20	
Naphthalene		220	ug/L	10	110	70	130	11	20	
o-Xylene		200	ug/L	10	99	70	130	4.4	20	
Toluene		230	ug/L	10	114	70	130	2.5	20	
Xylenes, Total		580	ug/L	10	97	70	130	7.3	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	101	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	112	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	96	80	120	0.0	10	
Surr: Toluene-d8				1.0	104	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.

Workorder Receipt Checklist

C12050723

Denison Mines USA Corp

Login completed by: Corinne Wagner
Date Received: 5/18/2012
Reviewed by: BL2000\kschroeder
Received by: tj
Reviewed Date: 5/18/2012
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Container/Temp Blank temperature:	3.2°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

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:
Denison Mines	Semiannual Ground Water 2012	State: UT	Yes ☒ No ☐
Report Mail Address: PO BOX 809 Blanding UT 84511	**Contact Name:** Garrin Palmer **Phone/Fax:** 435 678 2221	**Email:**	**Sampler: (Please Print)** Tanner Holliday
Invoice Address: Same	**Invoice Contact & Phone:** David Turk 435 678 2221	**Purchase Order:**	**Quote/Bottle Order:**

Special Report/Formats:

☐ DW ☐ POTW/WWTP ☐ State: _____ ☐ Other: _____
☐ EDD/EDT (Electronic Data) Format: _____ ☐ LEVEL IV ☐ NELAC

ANALYSIS REQUESTED

Number of Containers
Sample Type: A W S V B O DW
Air Water Soils/Solids
Vegetation Bioassay Other
DW - Drinking Water

Quote # C1640

SEE ATTACHED

Standard Turnaround (TAT)

R U S H

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: Fedex - Ex
Cooler ID(s): client
Receipt Temp 3.2 °C
On Ice: (Y) N
Custody Seal On Bottle X N / On Cooler (Y) N
Intact (Y) N
Signature Match (Y) N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Quote # C1640	SEE ATTACHED
1	MW-03_05142012	5/14/12	1430	6-W	X	
2	MW-03A_05152012	5/15/12	1000	6-W	X	
3	MW-19_05162012	5/16/12	0900	6-W	X	
4	MW-23_05162012	5/16/12	1030	6-W	X	
5	MW-70_05162012	5/16/12	0900	6-W	X	
6	Trip Blank *6746	5/14/12				
7						
8						
9						
10						

LABORATORY USE ONLY C1205072

Custody Record MUST be Signed

	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Tanner Holliday	5/17/2012 1100	Tanner Holliday			
	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
				Received by Laboratory:	**Date/Time:**	**Signature:**
				5-18-12	16:00	Tracy Lindsay

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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.

ANALYTICAL SUMMARY REPORT

June 25, 2012

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12060029 Quote ID: C1640 - POC Wells

Project Name: Semi-Annual Groundwater 2012

Energy Laboratories, Inc. Casper WY received the following 3 samples for Denison Mines USA Corp on 6/1/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12060029-001	MW-37_05292012	05/29/12 13:25	06/01/12	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
C12060029-002	Trip Blank 6706	05/29/12 0:00	06/01/12	Aqueous	SW8260B VOCs, Standard List
C12060029-003	Temp Blank	05/29/12 0:00	06/01/12	Aqueous	Temperature

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.

The results as reported relate only to the item(s) submitted for testing. Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. Data corrected for moisture content are typically noted as - dry on the report. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

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: 2012.06.25 16:38:03 -06:00

CLIENT: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Sample Delivery Group: C12060029

Report Date: 06/25/12

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: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Lab ID: C12060029-001
Client Sample ID: MW-37_05292012

Report Date: 06/25/12
Collection Date: 05/29/12 13:25
DateReceived: 06/01/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	7.03	s.u.	H	0.01		A4500-H B	06/04/12 12:11 / 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

Client: Denison Mines USA Corp
Report Date: 06/25/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060029

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R160349
Sample ID: MBLK	3	Method Blank				Run: MANTECH_120604A				06/04/12 07:35
Alkalinity, Total as CaCO3		ND	mg/L	5.0						
Carbonate as CO3		ND	mg/L	1.0						
Bicarbonate as HCO3		1.89	mg/L	1.0						
Sample ID: LCS-6677		Laboratory Control Sample				Run: MANTECH_120604A				06/04/12 07:51
Alkalinity, Total as CaCO3		199	mg/L	5.0	99	90	110			
Sample ID: C12051062-001ADUP	3	Sample Duplicate				Run: MANTECH_120604A				06/04/12 08:06
Alkalinity, Total as CaCO3		95.0	mg/L	5.0				0.4	10	
Carbonate as CO3		ND	mg/L	5.0					10	
Bicarbonate as HCO3		116	mg/L	5.0				0.4	10	
Sample ID: C12060054-001AMS		Sample Matrix Spike				Run: MANTECH_120604A				06/04/12 09:44
Alkalinity, Total as CaCO3		221	mg/L	5.0	100	80	120			
Sample ID: C12060029-001ADUP	3	Sample Duplicate				Run: MANTECH_120604A				06/05/12 05:20
Alkalinity, Total as CaCO3		216	mg/L	5.0				0.1	10	
Carbonate as CO3		ND	mg/L	5.0					10	
Bicarbonate as HCO3		264	mg/L	5.0				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: Denison Mines USA Corp
Report Date: 06/25/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060029

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C									Batch: TDS120604A	
Sample ID: MB-1_120604A	Method Blank					Run: BAL-1_120604B			06/04/12 14:59	
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	10						
Sample ID: LCS-2_120604A	Laboratory Control Sample					Run: BAL-1_120604B			06/04/12 14:59	
Solids, Total Dissolved TDS @ 180 C		1100	mg/L	10	99	90	110			
Sample ID: C12060016-024A MS	Sample Matrix Spike					Run: BAL-1_120604B			06/04/12 15:14	
Solids, Total Dissolved TDS @ 180 C		34100	mg/L	10	99	90	110			
Sample ID: C12060017-012A DUP	Sample Duplicate					Run: BAL-1_120604B			06/04/12 15:16	
Solids, Total Dissolved TDS @ 180 C		65.0	mg/L	10				1.6	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

Client: Denison Mines USA Corp
Report Date: 06/25/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060029

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B									Batch: 120614A-CL-TTR-W	
Sample ID: MBLK9-120614A	Method Blank					Run: TITRATION_120614A			06/14/12 14:49	
Chloride		ND	mg/L	1.0						
Sample ID: C12060029-001AMS	Sample Matrix Spike					Run: TITRATION_120614A			06/14/12 15:35	
Chloride		225	mg/L	1.0	99	90	110			
Sample ID: C12060029-001AMS	Sample Matrix Spike Duplicate					Run: TITRATION_120614A			06/14/12 15:38	
Chloride		227	mg/L	1.0	100	90	110	0.8	10	
Sample ID: LCS35-120614A	Laboratory Control Sample					Run: TITRATION_120614A			06/14/12 16:18	
Chloride		3550	mg/L	1.0	100	90	110			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 06/25/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060029

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-F C										Batch: R160398
Sample ID: MBLK		Method Blank				Run: MANTECH_120605A				06/05/12 07:21
Fluoride		ND	mg/L	0.10						
Sample ID: LCS-6892		Laboratory Control Sample				Run: MANTECH_120605A				06/05/12 07:24
Fluoride		2.00	mg/L	0.10	100	90	110			
Sample ID: C12060027-004AMS		Sample Matrix Spike				Run: MANTECH_120605A				06/05/12 12:06
Fluoride		2.00	mg/L	0.10	100	80	120			
Sample ID: C12060027-004AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_120605A				06/05/12 12:13
Fluoride		1.96	mg/L	0.10	98	80	120	2.0	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 06/25/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060029

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Analytical Run: PHSC_101-C_120604A	
Sample ID: pH 6.86	Initial Calibration Verification Standard								06/04/12 08:41	
pH		6.83	s.u.	0.010	100	98	102			
Sample ID: pH 6.86	Initial Calibration Verification Standard								06/04/12 11:53	
pH		6.83	s.u.	0.010	100	98	102			
Method: A4500-H B									Batch: R160292	
Sample ID: C12060017-004ADUP	Sample Duplicate					Run: PHSC_101-C_120604A			06/04/12 09:29	
pH		7.83	s.u.	0.010				0.1	3	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 06/25/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060029

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G										Batch: R160552
Sample ID: MBLK-1		Method Blank				Run: TECHNICON_120608A				06/08/12 14:05
Nitrogen, Ammonia as N		ND	mg/L	0.050						
Sample ID: LCS-2		Laboratory Control Sample				Run: TECHNICON_120608A				06/08/12 14:07
Nitrogen, Ammonia as N		1.99	mg/L	0.050	100	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_120608A				06/08/12 14:09
Nitrogen, Ammonia as N		2.04	mg/L	0.050	104	80	120			
Sample ID: C12051108-001DMS		Sample Matrix Spike				Run: TECHNICON_120608A				06/08/12 14:13
Nitrogen, Ammonia as N		1.96	mg/L	0.050	100	90	110			
Sample ID: C12051108-001DMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_120608A				06/08/12 14:15
Nitrogen, Ammonia as N		2.00	mg/L	0.050	102	90	110	2.0	10	
Sample ID: C12051108-001DMS		Sample Matrix Spike				Run: TECHNICON_120608A				06/08/12 15:11
Nitrogen, Ammonia as N		1.98	mg/L	0.050	101	90	110			
Sample ID: C12051108-001DMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_120608A				06/08/12 15:13
Nitrogen, Ammonia as N		2.03	mg/L	0.050	104	90	110	2.5	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: 06/25/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060029

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E									Batch: 120604_1_SO4-TURB-W	
Sample ID: LCS-1_120604		Laboratory Control Sample				Run: TURB-2_120604A			06/04/12 10:01	
Sulfate		4790	mg/L	100	100	90	110			
Sample ID: MBLK-1_120604		Method Blank				Run: TURB-2_120604A			06/04/12 10:03	
Sulfate		ND	mg/L	50						
Sample ID: C12060071-001AMS		Sample Matrix Spike				Run: TURB-2_120604A			06/04/12 10:26	
Sulfate		230	mg/L	5.0	98	90	110			
Sample ID: C12060071-001AMSD		Sample Matrix Spike Duplicate				Run: TURB-2_120604A			06/04/12 10:32	
Sulfate		232	mg/L	5.0	100	90	110	0.6	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 06/25/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060029

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP2-C_120607A	
Sample ID: ICV	5	Initial Calibration Verification Standard							06/07/12 15:46	
Calcium		48.8	mg/L	0.50	98	95	105			
Iron		5.05	mg/L	0.030	101	95	105			
Magnesium		50.6	mg/L	0.50	101	95	105			
Potassium		47.5	mg/L	0.50	95	95	105			
Sodium		51.9	mg/L	0.50	104	95	105			
Sample ID: ICSA	5	Interference Check Sample A							06/07/12 16:14	
Calcium		496	mg/L	0.50	99	80	120			
Iron		187	mg/L	0.030	93	80	120			
Magnesium		542	mg/L	0.50	108	80	120			
Potassium		-0.00450	mg/L	0.50						
Sodium		-0.0524	mg/L	0.50						
Sample ID: ICSAB	5	Interference Check Sample AB							06/07/12 16:18	
Calcium		493	mg/L	0.50	99	80	120			
Iron		191	mg/L	0.030	96	80	120			
Magnesium		558	mg/L	0.50	112	80	120			
Potassium		-0.00410	mg/L	0.50						
Sodium		-0.0204	mg/L	0.50						
Method: E200.7									Batch: R160530	
Sample ID: MB-120607A	5	Method Blank				Run: ICP2-C_120607A			06/07/12 16:38	
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	0.60						
Sample ID: LFB-120607A	5	Laboratory Fortified Blank				Run: ICP2-C_120607A			06/07/12 16:42	
Calcium		46.4	mg/L	0.50	93	85	115			
Iron		0.981	mg/L	0.030	98	85	115			
Magnesium		49.4	mg/L	0.50	99	85	115			
Potassium		46.7	mg/L	0.50	93	85	115			
Sodium		49.6	mg/L	0.50	99	85	115			
Sample ID: C12060017-006CMS2	5	Sample Matrix Spike				Run: ICP2-C_120607A			06/07/12 18:52	
Calcium		48.9	mg/L	1.0	96	70	130			
Iron		0.945	mg/L	0.030	93	70	130			
Magnesium		48.8	mg/L	1.0	96	70	130			
Potassium		48.1	mg/L	1.0	94	70	130			
Sodium		51.1	mg/L	1.0	100	70	130			
Sample ID: C12060017-006CMSD	5	Sample Matrix Spike Duplicate				Run: ICP2-C_120607A			06/07/12 18:56	
Calcium		49.1	mg/L	1.0	96	70	130	0.5	20	
Iron		0.954	mg/L	0.030	94	70	130	1.0	20	
Magnesium		48.6	mg/L	1.0	95	70	130	0.4	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 06/25/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060029

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7										Batch: R160530
Sample ID: C12060017-006CMSD	5	Sample Matrix Spike Duplicate				Run: ICP2-C_120607A				06/07/12 18:56
Potassium		47.5	mg/L	1.0	93	70	130	1.3	20	
Sodium		50.4	mg/L	1.0	99	70	130	1.4	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 06/25/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060029

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS4-C_120618A	
Sample ID: ICV	17	Initial Calibration Verification Standard							06/18/12 12:56	
Arsenic		0.0496	mg/L	0.0010	99	90	110			
Beryllium		0.0509	mg/L	0.0010	102	90	110			
Cadmium		0.0509	mg/L	0.0010	102	90	110			
Chromium		0.0496	mg/L	0.0010	99	90	110			
Cobalt		0.0479	mg/L	0.0010	96	90	110			
Copper		0.0505	mg/L	0.0010	101	90	110			
Lead		0.0504	mg/L	0.0010	101	90	110			
Manganese		0.0495	mg/L	0.0010	99	90	110			
Mercury		0.00505	mg/L	0.0010	101	90	110			
Molybdenum		0.0503	mg/L	0.0010	101	90	110			
Nickel		0.0504	mg/L	0.0010	101	90	110			
Selenium		0.0511	mg/L	0.0010	102	90	110			
Silver		0.0212	mg/L	0.0010	106	90	110			
Thallium		0.0499	mg/L	0.0010	100	90	110			
Uranium		0.0502	mg/L	0.00030	100	90	110			
Vanadium		0.0493	mg/L	0.0010	99	90	110			
Zinc		0.0510	mg/L	0.0010	102	90	110			
Method: E200.8									Batch: R160895a	
Sample ID: C12060397-003BMS4	17	Sample Matrix Spike				Run: ICPMS4-C_120618A			06/18/12 16:18	
Arsenic		0.0559	mg/L	0.0010	110	70	130			
Beryllium		0.0560	mg/L	0.0010	112	70	130			
Cadmium		0.0545	mg/L	0.0010	109	70	130			
Chromium		0.0523	mg/L	0.0050	105	70	130			
Cobalt		0.0600	mg/L	0.0050	108	70	130			
Copper		0.0498	mg/L	0.0050	100	70	130			
Lead		0.0554	mg/L	0.0010	111	70	130			
Manganese		0.397	mg/L	0.0010		70	130			A
Mercury		0.00507	mg/L	0.00010	101	70	130			
Molybdenum		0.0570	mg/L	0.0010	107	70	130			
Nickel		0.0638	mg/L	0.0050	101	70	130			
Selenium		0.0571	mg/L	0.0010	114	70	130			
Silver		0.0207	mg/L	0.0010	103	70	130			
Thallium		0.0550	mg/L	0.00050	110	70	130			
Uranium		1.03	mg/L	0.00030		70	130			A
Vanadium		0.0527	mg/L	0.010	105	70	130			
Zinc		0.0516	mg/L	0.010	102	70	130			
Sample ID: C12060397-003BMSD	17	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120618A			06/18/12 16:22	
Arsenic		0.0558	mg/L	0.0010	110	70	130	0.2	20	
Beryllium		0.0558	mg/L	0.0010	112	70	130	0.3	20	
Cadmium		0.0545	mg/L	0.0010	109	70	130	0.1	20	
Chromium		0.0521	mg/L	0.0050	104	70	130	0.4	20	
Cobalt		0.0557	mg/L	0.0050	99	70	130	7.4	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: 06/25/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060029

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: R160895a	
Sample ID: C12060397-003BMSD	17	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120618A			06/18/12 16:22	
Copper		0.0495	mg/L	0.0050	99	70	130	0.7	20	
Lead		0.0544	mg/L	0.0010	109	70	130	1.8	20	
Manganese		0.384	mg/L	0.0010		70	130	3.3	20	A
Mercury		0.00525	mg/L	0.00010	105	70	130	3.4	20	
Molybdenum		0.0567	mg/L	0.0010	106	70	130	0.6	20	
Nickel		0.0630	mg/L	0.0050	99	70	130	1.1	20	
Selenium		0.0576	mg/L	0.0010	115	70	130	1.0	20	
Silver		0.0208	mg/L	0.0010	104	70	130	0.3	20	
Thallium		0.0540	mg/L	0.00050	108	70	130	1.9	20	
Uranium		1.02	mg/L	0.00030		70	130	1.6	20	A
Vanadium		0.0521	mg/L	0.010	104	70	130	1.2	20	
Zinc		0.0510	mg/L	0.010	101	70	130	1.0	20	
Sample ID: LRB	17	Method Blank				Run: ICPMS4-C_120618A			06/18/12 13:50	
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_120618A			06/18/12 13:55	
Arsenic		0.0516	mg/L	0.0010	103	85	115			
Beryllium		0.0513	mg/L	0.0010	103	85	115			
Cadmium		0.0525	mg/L	0.0010	105	85	115			
Chromium		0.0512	mg/L	0.0010	102	85	115			
Cobalt		0.0493	mg/L	0.0010	99	85	115			
Copper		0.0519	mg/L	0.0010	104	85	115			
Lead		0.0518	mg/L	0.0010	104	85	115			
Manganese		0.0520	mg/L	0.0010	104	85	115			
Mercury		0.00486	mg/L	0.0010	97	85	115			
Molybdenum		0.0515	mg/L	0.0010	103	85	115			
Nickel		0.0522	mg/L	0.0010	104	85	115			
Selenium		0.0525	mg/L	0.0010	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: Denison Mines USA Corp
Report Date: 06/25/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060029

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R160895a
Sample ID: LFB	17	Laboratory Fortified Blank				Run: ICPMS4-C_120618A				06/18/12 13:55
Silver		0.0213	mg/L	0.0010	106	85	115			
Thallium		0.0511	mg/L	0.0010	102	85	115			
Uranium		0.0509	mg/L	0.00030	102	85	115			
Vanadium		0.0513	mg/L	0.0010	103	85	115			
Zinc		0.0532	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

Client: Denison Mines USA Corp
Report Date: 06/25/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060029

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R160288
Sample ID: MBLK-1	Method Blank					Run: TECHNICON_120601A				06/01/12 12:04
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.10						
Sample ID: LCS-2	Laboratory Control Sample					Run: TECHNICON_120601A				06/01/12 12:07
Nitrogen, Nitrate+Nitrite as N		2.49	mg/L	0.10	100	90	110			
Sample ID: LFB-3	Laboratory Fortified Blank					Run: TECHNICON_120601A				06/01/12 12:09
Nitrogen, Nitrate+Nitrite as N		1.97	mg/L	0.10	101	90	110			
Sample ID: C12060028-003BMS	Sample Matrix Spike					Run: TECHNICON_120601A				06/01/12 15:42
Nitrogen, Nitrate+Nitrite as N		24.9	mg/L	1.0	98	90	110			
Sample ID: C12060028-003BMSD	Sample Matrix Spike Duplicate					Run: TECHNICON_120601A				06/01/12 15:44
Nitrogen, Nitrate+Nitrite as N		25.0	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: Denison Mines USA Corp
Report Date: 06/25/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060029

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1										Batch: GA-0539
Sample ID: LCS-GA-0539		Laboratory Control Sample				Run: BERTHOLD 770-2_120605A				06/05/12 14:35
Gross Alpha minus Rn & U		23.9	pCi/L		109	70	130			
Sample ID: MB-GA-0539	3	Method Blank				Run: BERTHOLD 770-2_120605A				06/05/12 14:35
Gross Alpha minus Rn & U		0.790	pCi/L							U
Gross Alpha minus Rn & U Precision (±)		0.758	pCi/L							
Gross Alpha minus Rn & U MDC		1.06	pCi/L							
Sample ID: C12051064-001BMS		Sample Matrix Spike				Run: BERTHOLD 770-2_120605A				06/05/12 14:35
Gross Alpha minus Rn & U		42.1	pCi/L		101	70	130			
Sample ID: C12051064-001BMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-2_120605A				06/05/12 16:44
Gross Alpha minus Rn & U		41.5	pCi/L		100	70	130	1.5	33.3	

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: Denison Mines USA Corp
Report Date: 06/25/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060029

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R160510
Sample ID: 060512_LCS_4	16	Laboratory Control Sample				Run: SATURNCA_120605B				06/05/12 15:01
Acetone		130	ug/L	20	132	70	130			S
Benzene		11	ug/L	1.0	106	70	130			
Carbon tetrachloride		11	ug/L	1.0	112	70	130			
Chloroform		11	ug/L	1.0	112	70	130			
Chloromethane		11	ug/L	1.0	111	70	130			
m+p-Xylenes		20	ug/L	1.0	98	70	130			
Methyl ethyl ketone		140	ug/L	20	140	70	130			S
Methylene chloride		12	ug/L	1.0	118	70	130			
Naphthalene		11	ug/L	1.0	112	70	130			
o-Xylene		10	ug/L	1.0	104	70	130			
Toluene		11	ug/L	1.0	108	70	130			
Xylenes, Total		30	ug/L	1.0	100	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	102	80	120			
Surr: Dibromofluoromethane				1.0	104	70	130			
Surr: p-Bromofluorobenzene				1.0	105	80	130			
Surr: Toluene-d8				1.0	97	80	120			
Sample ID: 060512_MBLK_6	16	Method Blank				Run: SATURNCA_120605B				06/05/12 16:14
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	94	80	120			
Surr: Dibromofluoromethane				1.0	104	70	130			
Surr: p-Bromofluorobenzene				1.0	90	80	120			
Surr: Toluene-d8				1.0	95	80	120			
Sample ID: C12060029-001EMS	16	Sample Matrix Spike				Run: SATURNCA_120605B				06/05/12 22:39
Acetone		2300	ug/L	200	117	70	130			
Benzene		220	ug/L	10	112	70	130			
Carbon tetrachloride		230	ug/L	10	113	70	130			
Chloroform		240	ug/L	10	118	70	130			
Chloromethane		230	ug/L	10	116	70	130			
m+p-Xylenes		460	ug/L	10	114	70	130			
Methyl ethyl ketone		2400	ug/L	200	118	70	130			
Methylene chloride		250	ug/L	10	127	70	130			
Naphthalene		210	ug/L	10	105	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

Client: Denison Mines USA Corp
Report Date: 06/25/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060029

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R160510
Sample ID: C12060029-001EMS	16	Sample Matrix Spike				Run: SATURNCA_120605B				06/05/12 22:39
o-Xylene		220	ug/L	10	112	70	130			
Toluene		240	ug/L	10	119	70	130			
Xylenes, Total		680	ug/L	10	113	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	100	80	120			
Surr: Dibromofluoromethane				1.0	101	70	130			
Surr: p-Bromofluorobenzene				1.0	98	80	120			
Surr: Toluene-d8				1.0	99	80	120			
Sample ID: C12060029-001EMSD	16	Sample Matrix Spike Duplicate				Run: SATURNCA_120605B				06/05/12 23:16
Acetone		2600	ug/L	200	129	70	130	9.8	20	
Benzene		230	ug/L	10	114	70	130	1.1	20	
Carbon tetrachloride		240	ug/L	10	118	70	130	4.5	20	
Chloroform		240	ug/L	10	119	70	130	1.4	20	
Chloromethane		230	ug/L	10	114	70	130	1.4	20	
m+p-Xylenes		440	ug/L	10	110	70	130	3.4	20	
Methyl ethyl ketone		2600	ug/L	200	129	70	130	8.7	20	
Methylene chloride		260	ug/L	10	130	70	130	1.9	20	
Naphthalene		220	ug/L	10	109	70	130	3.7	20	
o-Xylene		230	ug/L	10	115	70	130	2.1	20	
Toluene		230	ug/L	10	113	70	130	5.2	20	
Xylenes, Total		670	ug/L	10	112	70	130	1.5	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	109	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	103	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	106	80	120	0.0	10	
Surr: Toluene-d8				1.0	98	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
MDC - Minimum detectable concentration

Workorder Receipt Checklist

Denison Mines USA Corp

C12060029

Login completed by: Kristy Gisse
Date Received: 6/1/2012
Reviewed by: BL2000\kschroeder
Received by: tj
Reviewed Date: 6/1/2012
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Container/Temp Blank temperature:	3.2°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

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.: Semiannual Ground Water 2012	Sample Origin State: UT	EPA/State Compliance: Yes ☑ No ☐
Report Mail Address: PO Box 809 Blanding UT 84511	Contact Name: Phone/Fax: Garrin Palmer 435 678 2221	Email:	Sampler: (Please Print) Tanner Holliday
Invoice Address: Same	Invoice Contact & Phone: David Turk 435 678 2221	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:

- ☐ DW
- ☐ POTW/WWTP
- ☐ State: _____
- ☐ Other: _____
- ☐ EDD/EDT (Electronic Data) Format: _____
- ☐ LEVEL IV
- ☐ 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

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Quote # C1640									SEE ATTACHED
1 MW-37_05292012	5/29/12	1325	G-W	X									
2													
3 Trip Blank 6706													
4													
5 Temp Blank													
6													
7													
8													
9													
10													

Standard Turnaround (TAT)

RUSH

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: Fedex-Overnight
Cooler ID(s): client
Receipt Temp: 3.2 °C
On Ice: (Y) N
Custody Seal: On Bottle Y N; On Cooler (Y) N
Intact (Y) N
Signature Match (Y) N

LABORATORY USE ONLY
C1206029

Custody Record MUST be Signed

Relinquished by (print): Tanner	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Relinquished by (print): Tanner Holliday	Date/Time: 5/31/2012 1130	Signature: Tanner Holliday	Received by (print):	Date/Time:	Signature:
Sample Disposal: Return to Client: _____ Lab Disposal: _____			Received by Laboratory: 6-1-12	Date/Time: 9:45	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.

ANALYTICAL SUMMARY REPORT

July 03, 2012

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12060306 Quote ID: C1640 - POC Wells

Project Name: Semi-Annual Groundwater 2012

Energy Laboratories, Inc. Casper WY received the following 3 samples for Denison Mines USA Corp on 6/8/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12060306-001	MW-20_06042012	06/04/12 12:35	06/08/12	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
C12060306-002	Trip Blank 6476	06/04/12 0:00	06/08/12	Aqueous	SW8260B VOCs, Standard List
C12060306-003	Temp Blank	06/07/12 0:00	06/08/12	Aqueous	Temperature

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.

The results as reported relate only to the item(s) submitted for testing. Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. Data corrected for moisture content are typically noted as - dry on the report. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

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: 2012.07.05 16:58:11 -06:00

CLIENT: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Sample Delivery Group: C12060306

Report Date: 07/03/12

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: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Lab ID: C12060306-001
Client Sample ID: MW-20_06042012

Report Date: 07/03/12
Collection Date: 06/04/12 12:35
DateReceived: 06/08/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
pH	8.76	s.u.	H	0.01		A4500-H B	06/08/12 13:42 / 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

Client: Denison Mines USA Corp
Report Date: 07/03/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060306

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B										Batch: R160555
Sample ID: MBLK	3	Method Blank				Run: MANTECH_120608A				06/08/12 09:47
Alkalinity, Total as CaCO3		ND	mg/L	5.0						
Carbonate as CO3		ND	mg/L	1.0						
Bicarbonate as HCO3		1.71	mg/L	1.0						
Sample ID: LCS-6677		Laboratory Control Sample				Run: MANTECH_120608A				06/08/12 10:03
Alkalinity, Total as CaCO3		204	mg/L	5.0	102	90	110			
Sample ID: C12060299-001ADUP	3	Sample Duplicate				Run: MANTECH_120608A				06/08/12 10:18
Alkalinity, Total as CaCO3		114	mg/L	5.0				0.1	10	
Carbonate as CO3		ND	mg/L	5.0					10	
Bicarbonate as HCO3		139	mg/L	5.0				0.1	10	
Sample ID: C12060299-002AMS		Sample Matrix Spike				Run: MANTECH_120608A				06/08/12 10:35
Alkalinity, Total as CaCO3		241	mg/L	5.0	101	80	120			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/03/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060306

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C										Batch: TDS120608A
Sample ID: MB-1_120608A		Method Blank				Run: BAL-1_120608A				06/08/12 15:40
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	10						
Sample ID: LCS-2_120608A		Laboratory Control Sample				Run: BAL-1_120608A				06/08/12 15:41
Solids, Total Dissolved TDS @ 180 C		1110	mg/L	10	100	90	110			
Sample ID: C12060279-001A MS		Sample Matrix Spike				Run: BAL-1_120608A				06/08/12 15:51
Solids, Total Dissolved TDS @ 180 C		7120	mg/L	10	99	90	110			
Sample ID: C12060299-003A DUP		Sample Duplicate				Run: BAL-1_120608A				06/08/12 15:53
Solids, Total Dissolved TDS @ 180 C		332	mg/L	10				1.5	5	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/03/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060306

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B									Batch: 120614A-CL-TTR-W	
Sample ID: MBLK9-120614A		Method Blank				Run: TITRATION_120614A			06/14/12 14:49	
Chloride		ND	mg/L	1.0						
Sample ID: C12060029-001AMS		Sample Matrix Spike				Run: TITRATION_120614A			06/14/12 15:35	
Chloride		225	mg/L	1.0	99	90	110			
Sample ID: C12060029-001AMS		Sample Matrix Spike Duplicate				Run: TITRATION_120614A			06/14/12 15:38	
Chloride		227	mg/L	1.0	100	90	110	0.8	10	
Sample ID: LCS35-120614A		Laboratory Control Sample				Run: TITRATION_120614A			06/14/12 16:18	
Chloride		3550	mg/L	1.0	100	90	110			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/03/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060306

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-F C										Batch: R160587
Sample ID: MBLK		Method Blank				Run: MANTECH_120611A				06/11/12 09:48
Fluoride		ND	mg/L	0.10						
Sample ID: LCS-6892		Laboratory Control Sample				Run: MANTECH_120611A				06/11/12 09:52
Fluoride		2.00	mg/L	0.10	100	90	110			
Sample ID: C12060299-004AMS		Sample Matrix Spike				Run: MANTECH_120611A				06/11/12 10:26
Fluoride		2.20	mg/L	0.10	98	80	120			
Sample ID: C12060299-004AMSD		Sample Matrix Spike Duplicate				Run: MANTECH_120611A				06/11/12 10:28
Fluoride		2.25	mg/L	0.10	100	80	120	2.2	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/03/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060306

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Analytical Run: PHSC_101-C_120608A	
Sample ID: pH 6.86		Initial Calibration Verification Standard							06/08/12 09:21	
pH		6.84	s.u.	0.010	100	98	102			
Sample ID: pH 6.86		Initial Calibration Verification Standard							06/08/12 11:37	
pH		6.83	s.u.	0.010	100	98	102			
Method: A4500-H B									Batch: R160527	
Sample ID: C12060279-004ADUP		Sample Duplicate				Run: PHSC_101-C_120608A			06/08/12 10:06	
pH		8.11	s.u.	0.010				0.1	3	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/03/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060306

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G										Batch: R160554
Sample ID: MBLK-1		Method Blank				Run: TECHNICON_120609A				06/09/12 12:22
Nitrogen, Ammonia as N		ND	mg/L	0.050						
Sample ID: LCS-2		Laboratory Control Sample				Run: TECHNICON_120609A				06/09/12 12:24
Nitrogen, Ammonia as N		1.94	mg/L	0.050	97	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_120609A				06/09/12 12:26
Nitrogen, Ammonia as N		2.01	mg/L	0.050	103	80	120			
Sample ID: C12060335-008DMS		Sample Matrix Spike				Run: TECHNICON_120609A				06/09/12 13:56
Nitrogen, Ammonia as N		1.92	mg/L	0.050	98	90	110			
Sample ID: C12060335-008DMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_120609A				06/09/12 13:58
Nitrogen, Ammonia as N		2.04	mg/L	0.050	104	90	110	6.1	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: Denison Mines USA Corp
Report Date: 07/03/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060306

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E									Batch: 120611_1_SO4-TURB-W	
Sample ID: LCS-1_120611		Laboratory Control Sample				Run: TURB-2_120611A			06/11/12 11:25	
Sulfate		5080	mg/L	100	106	90	110			
Sample ID: MBLK-1_120611		Method Blank				Run: TURB-2_120611A			06/11/12 11:27	
Sulfate		ND	mg/L	50						
Sample ID: C12060203-001AMS		Sample Matrix Spike				Run: TURB-2_120611A			06/11/12 16:42	
Sulfate		235	mg/L	5.0	106	90	110			
Sample ID: C12060203-001AMSD		Sample Matrix Spike Duplicate				Run: TURB-2_120611A			06/11/12 16:44	
Sulfate		233	mg/L	5.0	104	90	110	0.8	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp **Report Date:** 07/03/12

Project: Semi-Annual Groundwater 2012 **Work Order:** C12060306

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Analytical Run: ICP2-C_120615A	
Sample ID: ICV	5	Initial Calibration Verification Standard							06/15/12 12:37	
Calcium		49.0	mg/L	0.50	98	95	105			
Iron		5.02	mg/L	0.030	100	95	105			
Magnesium		48.5	mg/L	0.50	97	95	105			
Potassium		51.1	mg/L	0.50	102	95	105			
Sodium		50.7	mg/L	0.50	101	95	105			
Sample ID: ICSA	5	Interference Check Sample A							06/15/12 13:29	
Calcium		514	mg/L	0.50	103	80	120			
Iron		184	mg/L	0.030	92	80	120			
Magnesium		520	mg/L	0.50	104	80	120			
Potassium		-0.000700	mg/L	0.50						
Sodium		-0.0466	mg/L	0.50						
Sample ID: ICSAB	5	Interference Check Sample AB							06/15/12 13:34	
Calcium		508	mg/L	0.50	102	80	120			
Iron		184	mg/L	0.030	92	80	120			
Magnesium		522	mg/L	0.50	104	80	120			
Potassium		-0.000200	mg/L	0.50						
Sodium		-0.192	mg/L	0.50						
Method: E200.7									Batch: R160844	
Sample ID: MB-120615A	5	Method Blank				Run: ICP2-C_120615A			06/15/12 13:54	
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-120615A	5	Laboratory Fortified Blank				Run: ICP2-C_120615A			06/15/12 13:58	
Calcium		49.3	mg/L	0.50	99	85	115			
Iron		0.978	mg/L	0.030	98	85	115			
Magnesium		47.3	mg/L	0.50	95	85	115			
Potassium		43.7	mg/L	0.50	87	85	115			
Sodium		48.0	mg/L	0.50	96	85	115			
Sample ID: C12060306-001BMS2	5	Sample Matrix Spike				Run: ICP2-C_120615A			06/15/12 14:06	
Calcium		617	mg/L	0.50	93	70	130			
Iron		4.92	mg/L	0.030	96	70	130			
Magnesium		256	mg/L	0.50	96	70	130			
Potassium		250	mg/L	0.50	88	70	130			
Sodium		1520	mg/L	1.6		70	130			A
Sample ID: C12060306-001BMSD	5	Sample Matrix Spike Duplicate				Run: ICP2-C_120615A			06/15/12 14:10	
Calcium		618	mg/L	0.50	94	70	130	0.2	20	
Iron		4.94	mg/L	0.030	97	70	130	0.4	20	
Magnesium		260	mg/L	0.50	98	70	130	1.8	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: 07/03/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060306

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: R160844	
Sample ID: C12060306-001BMSD	5	Sample Matrix Spike Duplicate				Run: ICP2-C_120615A			06/15/12 14:10	
Potassium		249	mg/L	0.50	87	70	130	0.7	20	
Sodium		1520	mg/L	1.6		70	130	0.1	20	A

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: 07/03/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060306

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS2-C_120615A	
Sample ID: ICV	10	Initial Calibration Verification Standard							06/15/12 12:53	
Arsenic		0.0492	mg/L	0.0010	98	90	110			
Cadmium		0.0495	mg/L	0.0010	99	90	110			
Copper		0.0498	mg/L	0.0010	100	90	110			
Lead		0.0486	mg/L	0.0010	97	90	110			
Mercury		0.00508	mg/L	0.0010	102	90	110			
Molybdenum		0.0505	mg/L	0.0010	101	90	110			
Nickel		0.0494	mg/L	0.0010	99	90	110			
Selenium		0.0501	mg/L	0.0010	100	90	110			
Silver		0.0207	mg/L	0.0010	104	90	110			
Zinc		0.0497	mg/L	0.0010	99	90	110			
Method: E200.8									Batch: R160841	
Sample ID: LRB	10	Method Blank				Run: ICPMS2-C_120615A			06/15/12 13:15	
Arsenic		ND	mg/L	0.0050						
Cadmium		ND	mg/L	0.00050						
Copper		ND	mg/L	0.010						
Lead		ND	mg/L	0.0010						
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						
Zinc		ND	mg/L	0.010						
Sample ID: LFB	10	Laboratory Fortified Blank				Run: ICPMS2-C_120615A			06/15/12 13:18	
Arsenic		0.0512	mg/L	0.0010	102	85	115			
Cadmium		0.0507	mg/L	0.0010	101	85	115			
Copper		0.0511	mg/L	0.0010	102	85	115			
Lead		0.0494	mg/L	0.0010	99	85	115			
Mercury		0.00505	mg/L	0.0010	101	85	115			
Molybdenum		0.0506	mg/L	0.0010	101	85	115			
Nickel		0.0510	mg/L	0.0010	102	85	115			
Selenium		0.0512	mg/L	0.0010	102	85	115			
Silver		0.0196	mg/L	0.0010	98	85	115			
Zinc		0.0514	mg/L	0.0010	103	85	115			
Sample ID: C12060333-001BMS4	10	Sample Matrix Spike				Run: ICPMS2-C_120615A			06/15/12 20:45	
Arsenic		0.0519	mg/L	0.0010	104	70	130			
Cadmium		0.0498	mg/L	0.0010	100	70	130			
Copper		0.0481	mg/L	0.0050	92	70	130			
Lead		0.0470	mg/L	0.0010	94	70	130			
Mercury		0.00510	mg/L	0.00010	102	70	130			
Molybdenum		0.0459	mg/L	0.0010	91	70	130			
Nickel		0.0470	mg/L	0.0050	93	70	130			
Selenium		0.0473	mg/L	0.0010	93	70	130			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/03/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060306

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8										Batch: R160841
Sample ID: C12060333-001BMS4	10	Sample Matrix Spike				Run: ICPMS2-C_120615A				06/15/12 20:45
Silver		0.0172	mg/L	0.0010	86	70	130			
Zinc		0.0719	mg/L	0.010	100	70	130			
Sample ID: C12060333-001BMSD	10	Sample Matrix Spike Duplicate				Run: ICPMS2-C_120615A				06/15/12 20:48
Arsenic		0.0520	mg/L	0.0010	104	70	130	0.2	20	
Cadmium		0.0503	mg/L	0.0010	101	70	130	1.0	20	
Copper		0.0480	mg/L	0.0050	92	70	130	0.1	20	
Lead		0.0474	mg/L	0.0010	95	70	130	0.9	20	
Mercury		0.00518	mg/L	0.00010	104	70	130	1.5	20	
Molybdenum		0.0467	mg/L	0.0010	93	70	130	1.6	20	
Nickel		0.0463	mg/L	0.0050	91	70	130	1.4	20	
Selenium		0.0467	mg/L	0.0010	92	70	130	1.3	20	
Silver		0.0208	mg/L	0.0010	104	70	130	19	20	
Zinc		0.0722	mg/L	0.010	100	70	130	0.5	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/03/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060306

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS2-C_120620A	
Sample ID: ICV	7	Initial Calibration Verification Standard							06/20/12 13:22	
Beryllium		0.0488	mg/L	0.0010	98	90	110			
Chromium		0.0494	mg/L	0.0010	99	90	110			
Cobalt		0.0494	mg/L	0.0010	99	90	110			
Manganese		0.0495	mg/L	0.0010	99	90	110			
Thallium		0.0473	mg/L	0.0010	95	90	110			
Uranium		0.0504	mg/L	0.00030	101	90	110			
Vanadium		0.0495	mg/L	0.0010	99	90	110			
Method: E200.8									Batch: R160999	
Sample ID: LRB	7	Method Blank				Run: ICPMS2-C_120620A			06/20/12 14:07	
Beryllium		ND	mg/L	0.00050						
Chromium		ND	mg/L	0.020						
Cobalt		ND	mg/L	0.010						
Manganese		ND	mg/L	0.010						
Thallium		ND	mg/L	0.00050						
Uranium		ND	mg/L	0.00030						
Vanadium		ND	mg/L	0.010						
Sample ID: LFB	7	Laboratory Fortified Blank				Run: ICPMS2-C_120620A			06/20/12 14:10	
Beryllium		0.0495	mg/L	0.0010	99	85	115			
Chromium		0.0492	mg/L	0.0010	98	85	115			
Cobalt		0.0492	mg/L	0.0010	98	85	115			
Manganese		0.0501	mg/L	0.0010	100	85	115			
Thallium		0.0469	mg/L	0.0010	94	85	115			
Uranium		0.0503	mg/L	0.00030	100	85	115			
Vanadium		0.0495	mg/L	0.0010	99	85	115			
Sample ID: C12060614-001CMS4	7	Sample Matrix Spike				Run: ICPMS2-C_120620A			06/20/12 20:02	
Beryllium		0.0515	mg/L	0.0010	103	70	130			
Chromium		0.0463	mg/L	0.0050	92	70	130			
Cobalt		0.0437	mg/L	0.0050	87	70	130			
Manganese		0.0465	mg/L	0.0010	90	70	130			
Thallium		0.0445	mg/L	0.00050	89	70	130			
Uranium		0.0758	mg/L	0.00030	102	70	130			
Vanadium		0.0554	mg/L	0.010	96	70	130			
Sample ID: C12060614-001CMSD	7	Sample Matrix Spike Duplicate				Run: ICPMS2-C_120620A			06/20/12 20:04	
Beryllium		0.0518	mg/L	0.0010	104	70	130	0.5	20	
Chromium		0.0469	mg/L	0.0050	93	70	130	1.3	20	
Cobalt		0.0444	mg/L	0.0050	89	70	130	1.5	20	
Manganese		0.0469	mg/L	0.0010	90	70	130	0.8	20	
Thallium		0.0451	mg/L	0.00050	90	70	130	1.2	20	
Uranium		0.0777	mg/L	0.00030	106	70	130	2.4	20	
Vanadium		0.0564	mg/L	0.010	98	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/03/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060306

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R160599
Sample ID: MBLK-1		Method Blank				Run: TECHNICON_120611A				06/11/12 11:55
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	1.0						
Sample ID: LCS-2		Laboratory Control Sample				Run: TECHNICON_120611A				06/11/12 11:57
Nitrogen, Nitrate+Nitrite as N		2.56	mg/L	0.10	102	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_120611A				06/11/12 12:00
Nitrogen, Nitrate+Nitrite as N		2.03	mg/L	0.10	104	90	110			
Sample ID: C12060300-001DMS		Sample Matrix Spike				Run: TECHNICON_120611A				06/11/12 12:40
Nitrogen, Nitrate+Nitrite as N		1.95	mg/L	0.10	99	90	110			
Sample ID: C12060300-001DMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_120611A				06/11/12 12:42
Nitrogen, Nitrate+Nitrite as N		1.96	mg/L	0.10	100	90	110	0.5	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: 07/03/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060306

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1										Batch: GA-0540
Sample ID: LCS-GA-0540		Laboratory Control Sample				Run: BERTHOLD 770-2_120611A				06/12/12 13:41
Gross Alpha minus Rn & U		22.8	pCi/L		107	70	130			
Sample ID: MB-GA-0540	3	Method Blank				Run: BERTHOLD 770-2_120611A				06/12/12 13:41
Gross Alpha minus Rn & U		0.598	pCi/L							U
Gross Alpha minus Rn & U Precision (±)		0.663	pCi/L							
Gross Alpha minus Rn & U MDC		0.954	pCi/L							
Sample ID: C12060328-002GMS		Sample Matrix Spike				Run: BERTHOLD 770-2_120611A				06/12/12 15:19
Gross Alpha minus Rn & U		56.4	pCi/L		96	70	130			
Sample ID: C12060328-002GMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-2_120611A				06/12/12 15:19
Gross Alpha minus Rn & U		64.8	pCi/L		117	70	130	14	28.3	

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: Denison Mines USA Corp
Report Date: 07/03/12
Project: Semi-Annual Groundwater 2012
Work Order: C12060306

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R160719
Sample ID: 061212_LCS_4	16	Laboratory Control Sample				Run: SATURNCA_120612B				06/12/12 15:23
Acetone		170	ug/L	20	168	70	130			S
Benzene		12	ug/L	1.0	119	70	130			
Carbon tetrachloride		11	ug/L	1.0	110	70	130			
Chloroform		13	ug/L	1.0	127	70	130			
Chloromethane		8.2	ug/L	1.0	82	70	130			
m+p-Xylenes		20	ug/L	1.0	102	70	130			
Methyl ethyl ketone		170	ug/L	20	171	70	130			S
Methylene chloride		12	ug/L	1.0	120	70	130			
Naphthalene		12	ug/L	1.0	124	70	130			
o-Xylene		11	ug/L	1.0	107	70	130			
Toluene		12	ug/L	1.0	123	70	130			
Xylenes, Total		31	ug/L	1.0	104	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	103	80	120			
Surr: Dibromofluoromethane				1.0	115	70	130			
Surr: p-Bromofluorobenzene				1.0	102	80	130			
Surr: Toluene-d8				1.0	108	80	120			
Sample ID: 061212_MBLK_6	16	Method Blank				Run: SATURNCA_120612B				06/12/12 16:37
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	97	80	120			
Surr: Dibromofluoromethane				1.0	104	70	130			
Surr: p-Bromofluorobenzene				1.0	88	80	120			
Surr: Toluene-d8				1.0	101	80	120			
Sample ID: C12060337-009CMS	16	Sample Matrix Spike				Run: SATURNCA_120612B				06/12/12 22:40
Acetone		210000	ug/L	20000	105	70	130			
Benzene		22000	ug/L	1000	108	70	130			
Carbon tetrachloride		24000	ug/L	1000	120	70	130			
Chloroform		26000	ug/L	1000	117	70	130			
Chloromethane		24000	ug/L	1000	122	70	130			
m+p-Xylenes		39000	ug/L	1000	97	70	130			
Methyl ethyl ketone		230000	ug/L	20000	114	70	130			
Methylene chloride		24000	ug/L	1000	119	70	130			
Naphthalene		19000	ug/L	1000	94	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

Client: Denison Mines USA Corp **Report Date:** 07/03/12

Project: Semi-Annual Groundwater 2012 **Work Order:** C12060306

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R160719
Sample ID: C12060337-009CMS	16	Sample Matrix Spike				Run: SATURNCA_120612B				06/12/12 22:40
o-Xylene		21000	ug/L	1000	104	70	130			
Toluene		22000	ug/L	1000	111	70	130			
Xylenes, Total		60000	ug/L	1000	99	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	101	80	120			
Surr: Dibromofluoromethane				1.0	103	70	130			
Surr: p-Bromofluorobenzene				1.0	106	80	120			
Surr: Toluene-d8				1.0	100	80	120			
Sample ID: C12060337-009CMSD	16	Sample Matrix Spike Duplicate				Run: SATURNCA_120612B				06/12/12 23:16
Acetone		210000	ug/L	20000	106	70	130	0.8	20	
Benzene		22000	ug/L	1000	109	70	130	0.4	20	
Carbon tetrachloride		22000	ug/L	1000	112	70	130	6.9	20	
Chloroform		25000	ug/L	1000	110	70	130	5.3	20	
Chloromethane		23000	ug/L	1000	114	70	130	6.8	20	
m+p-Xylenes		43000	ug/L	1000	107	70	130	9.8	20	
Methyl ethyl ketone		210000	ug/L	20000	107	70	130	6.5	20	
Methylene chloride		22000	ug/L	1000	109	70	130	9.1	20	
Naphthalene		19000	ug/L	1000	96	70	130	1.3	20	
o-Xylene		21000	ug/L	1000	104	70	130	0.4	20	
Toluene		23000	ug/L	1000	114	70	130	2.5	20	
Xylenes, Total		64000	ug/L	1000	106	70	130	6.6	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	99	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	102	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	106	80	120	0.0	10	
Surr: Toluene-d8				1.0	102	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

Denison Mines USA Corp

C12060306

Login completed by: Corinne Wagner
Date Received: 6/8/2012

Reviewed by: BL2000\kschroeder
Received by: km

Reviewed Date: 6/14/2012
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Container/Temp Blank temperature:	3.8°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT (Provide as much information as possible.)

Company Name: Denison Mines	Project Name, PWS, Permit, Etc.: Semiannual Ground Water 2012	Sample Origin State: UT	EPA/State Compliance: Yes ☒ No ☐
Report Mail Address: PO BOX 809 Blanding UT 84511	Contact Name: Garrin Palmer Phone/Fax: 435 678 2221	Email:	Sampler: (Please Print) Tanner Holliday
Invoice Address: Same	Invoice Contact & Phone: David Turk 435 678 2221	Purchase Order:	Quote/Bottle Order:

Special Report/Formats:

- ☐ DW
- ☐ POTW/WWTP
- ☐ State: _____
- ☐ Other: _____
- ☐ EDD/EDT (Electronic Data) Format: _____
- ☐ LEVEL IV
- ☐ 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

SEE ATTACHED

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: 3.8 °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	
1	MW-20_06042012	6/4/2012	1235	GW	X
2	Trip Blank 07462	6/4/2012			
3					
4					
5					
6					
7					
8					
9					
10					

LABORATORY USE ONLY C1206030

Custody Record MUST be Signed

Relinquished by (print): Tanner Holliday	Date/Time: 6/7/2012 1100	Signature: Tanner Holliday	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: Kristi Miller Date/Time: 6/8/12 7:45 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.

... web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

ENERGY LABORATORIES
www.energylab.com
Analytical Excellence Since 1952
Helena, MT 877-472-0711 • Billings, MT 800-735-4489 • Casper, WY 888-235-0515
Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

ANALYTICAL SUMMARY REPORT

July 13, 2012

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12061241 Quote ID: C1640 - POC Wells

Project Name: Semi-Annual Groundwater 2012

Energy Laboratories, Inc. Casper WY received the following 4 samples for Denison Mines USA Corp on 6/29/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12061241-001	MW-26_06262012	06/26/12 11:55	06/29/12	Aqueous	SW8260B VOCs, Standard List
C12061241-002	MW-65_06262012	06/26/12 11:55	06/29/12	Aqueous	Same As Above
C12061241-003	Trip Blank 6706	06/26/12 0:00	06/29/12	Aqueous	Same As Above
C12061241-004	Temp Blank	06/28/12 0:00	06/29/12	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:

Kathryn Hamre
Report Proofing Specialist

Digitally signed by
Kathy Hamre
Date: 2012.07.13 14:18:02 -06:00

CLIENT: Denison Mines USA Corp
Project: Semi-Annual Groundwater 2012
Sample Delivery Group: C12061241

Report Date: 07/13/12

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: 07/13/12
Project: Semi-Annual Groundwater 2012
Work Order: C12061241

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R161649
Sample ID: 070612_LCS_4	16	Laboratory Control Sample				Run: SATURNCA_120706C				07/06/12 13:26
Acetone		90	ug/L	20	90	70	130			
Benzene		9.2	ug/L	1.0	92	70	130			
Carbon tetrachloride		8.5	ug/L	1.0	85	70	130			
Chloroform		9.2	ug/L	1.0	92	70	130			
Chloromethane		7.7	ug/L	1.0	77	70	130			
m+p-Xylenes		18	ug/L	1.0	92	70	130			
Methyl ethyl ketone		96	ug/L	20	96	70	130			
Methylene chloride		10	ug/L	1.0	102	70	130			
Naphthalene		9.5	ug/L	1.0	95	70	130			
o-Xylene		9.6	ug/L	1.0	96	70	130			
Toluene		9.1	ug/L	1.0	91	70	130			
Xylenes, Total		28	ug/L	1.0	93	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	98	80	120			
Surr: Dibromofluoromethane				1.0	89	70	130			
Surr: p-Bromofluorobenzene				1.0	78	80	130			S
Surr: Toluene-d8				1.0	100	80	120			
Sample ID: 070612_MBLK_6	16	Method Blank				Run: SATURNCA_120706C				07/06/12 14:38
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	89	70	130			
Surr: p-Bromofluorobenzene				1.0	78	80	120			S
Surr: Toluene-d8				1.0	101	80	120			
Sample ID: C12061200-003AMS	16	Sample Matrix Spike				Run: SATURNCA_120706C				07/06/12 21:15
Acetone		1900	ug/L	200	94	70	130			
Benzene		190	ug/L	10	95	70	130			
Carbon tetrachloride		190	ug/L	10	97	70	130			
Chloroform		200	ug/L	10	98	70	130			
Chloromethane		170	ug/L	10	86	70	130			
m+p-Xylenes		370	ug/L	10	93	70	130			
Methyl ethyl ketone		1900	ug/L	200	96	70	130			
Methylene chloride		210	ug/L	10	106	70	130			
Naphthalene		170	ug/L	10	85	70	130			

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/13/12
Project: Semi-Annual Groundwater 2012
Work Order: C12061241

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R161649
Sample ID: C12061200-003AMS	16	Sample Matrix Spike				Run: SATURNCA_120706C				07/06/12 21:15
o-Xylene		190	ug/L	10	97	70	130			
Toluene		190	ug/L	10	93	70	130			
Xylenes, Total		570	ug/L	10	94	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	96	80	120			
Surr: Dibromofluoromethane				1.0	95	70	130			
Surr: p-Bromofluorobenzene				1.0	94	80	120			
Surr: Toluene-d8				1.0	95	80	120			
Sample ID: C12061200-003AMSD	16	Sample Matrix Spike Duplicate				Run: SATURNCA_120706C				07/06/12 21:51
Acetone		1800	ug/L	200	92	70	130	2.2	20	
Benzene		190	ug/L	10	96	70	130	1.7	20	
Carbon tetrachloride		190	ug/L	10	97	70	130	0.0	20	
Chloroform		190	ug/L	10	97	70	130	1.2	20	
Chloromethane		170	ug/L	10	87	70	130	1.9	20	
m+p-Xylenes		370	ug/L	10	94	70	130	0.9	20	
Methyl ethyl ketone		1900	ug/L	200	96	70	130	0.8	20	
Methylene chloride		210	ug/L	10	104	70	130	2.7	20	
Naphthalene		170	ug/L	10	86	70	130	1.9	20	
o-Xylene		190	ug/L	10	95	70	130	2.1	20	
Toluene		190	ug/L	10	93	70	130	0.0	20	
Xylenes, Total		560	ug/L	10	94	70	130	0.1	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	104	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	95	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	95	80	120	0.0	10	
Surr: Toluene-d8				1.0	98	80	120	0.0	10	

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

Denison Mines USA Corp — C12061241

Login completed by: Timothy I.. Houghteling
Date Received: 6/29/2012
Reviewed by: BL2000\kschroeder
Received by: km
Reviewed Date: 7/2/2012
Carrier name: Next Day Air

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Container/Temp Blank temperature:	2.2°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Contact and Corrective Action Comments:

None

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT (Provide as much information as possible.)

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
Denison Mines	Semiannual Groundwater 2012	State: UT	Yes ☒ No ☐
Report Mail Address: PO Box 809 Blanding UT 84511	**Contact Name:** Garrin Palmer **Phone/Fax:** 435 678 2221	**Email:**	**Sampler: (Please Print)** 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) Format: _____
☐ POTW/WWTP ☐ LEVEL IV
☐ State: _____ ☐ NELAC
☐ Other: _____

ANALYSIS REQUESTED

Number of Containers
Sample Type: A Air W Water S Soils/Solids V Vegetation B Bioassay O Other D DW - Drinking Water

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Quote # C1640 (VOCs)	SEE ATTACHED
1 MW-26_06262012	6/26/12	1155	3-W	X	
2 MW-65_06262012	6/26/12	1155	3-W	X	
3 Trip Blank (TB)6	6/26/12				
4					
5					
6					
7					
8					
9					
10					

Standard Turnaround (TAT)

RUSH

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: FedEx NDA

Cooler ID(s): client

Receipt Temp 2.2 °C

On Ice: Y N

Custody Seal On Bottle Y N On Cooler Y N

Intact Y N

Signature Match Y N

LABORATORY USE ONLY

C12061241

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Tanner Holliday	6/28/2012 1100	Tanner Holliday			
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory: Kristi Miller	6/29/12 10:15	

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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.

Tab F

Laboratory Analytical Reports – Accelerated Monitoring

Tab F1

Laboratory Analytical Reports – Accelerated Monitoring

April 2012

ORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: April Monthly Ground Water 2012
Lab Sample ID: 1204240-001A
Client Sample ID: MW-11
Collection Date: 4/10/2012 1200h
Received Date: 4/13/2012 1310h

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

Analyzed: 4/16/2012 753h
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	49.7	50.00	99.5	77-129	
Surr: Dibromofluoromethane	1868-53-7	51.5	50.00	103	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	51.3	50.00	103	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	55.8	50.00	112	72-151	

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

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

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: April Monthly Groundwater 2012
Lab ID: C12040736-001
Client Sample ID: MW-11_04102012

Report Date: 05/11/12
Collection Date: 04/10/12 12:00
DateReceived: 04/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Manganese	132	ug/L		10		E200.8	04/16/12 14:55 / 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: April Monthly Groundwater 2012
Lab ID: C12040736-002
Client Sample ID: MW-25_04092012

Report Date: 05/11/12
Collection Date: 04/09/12 12:00
DateReceived: 04/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Uranium	6.52	ug/L		0.30		E200.8	04/16/12 14:57 / 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: April Monthly Groundwater 2012
Lab ID: C12040736-003
Client Sample ID: MW-26_04112012

Report Date: 05/11/12
Collection Date: 04/11/12 07:40
DateReceived: 04/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	82	mg/L		1		A4500-Cl B	04/26/12 13:36 / lr
Nitrogen, Nitrate+Nitrite as N	3.4	mg/L	D	0.2		E353.2	04/13/12 17:00 / dc
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3140	mg/L		10		A2540 C	04/13/12 14:47 / ab
METALS - DISSOLVED							
Uranium	42.2	ug/L		0.30		E200.8	04/16/12 15:00 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	2.3	pCi/L				E900.1	05/02/12 14:07 / ep
Gross Alpha minus Rn & U Precision (±)	0.4	pCi/L				E900.1	05/02/12 14:07 / ep
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	05/02/12 14:07 / ep
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/18/12 06:27 / jk
Benzene	ND	ug/L		1.0		SW8260B	04/18/12 06:27 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/18/12 06:27 / jk
Chloroform	2900	ug/L	D	1000		SW8260B	04/18/12 03:29 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	04/18/12 06:27 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/18/12 06:27 / jk
Methylene chloride	20	ug/L		1.0		SW8260B	04/18/12 06:27 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	04/18/12 06:27 / jk
Toluene	ND	ug/L		1.0		SW8260B	04/18/12 06:27 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/18/12 06:27 / jk
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120		SW8260B	04/18/12 06:27 / jk
Surr: Dibromofluoromethane	53.0	%REC	S	70-130		SW8260B	04/18/12 06:27 / jk
Surr: p-Bromofluorobenzene	118	%REC		80-120		SW8260B	04/18/12 06:27 / jk
Surr: Toluene-d8	101	%REC		80-120		SW8260B	04/18/12 06:27 / jk

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
S - Spike recovery outside of advisory limits.
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: April Monthly Groundwater 2012
Lab ID: C12040736-004
Client Sample ID: MW-30_04102012

Report Date: 05/11/12
Collection Date: 04/10/12 10:45
DateReceived: 04/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	128	mg/L		1		A4500-Cl B	04/26/12 13:39 / lr
Nitrogen, Nitrate+Nitrite as N	17	mg/L	D	1		E353.2	04/13/12 17:02 / dc
METALS - DISSOLVED							
Selenium	39.1	ug/L		5.0		E200.8	04/16/12 15:03 / cp
Uranium	7.84	ug/L		0.30		E200.8	04/16/12 15:03 / 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: April Monthly Groundwater 2012
Lab ID: C12040736-005
Client Sample ID: MW-31_04092012

Report Date: 05/11/12
Collection Date: 04/09/12 13:45
DateReceived: 04/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	160	mg/L		1		A4500-Cl B	04/26/12 13:41 / lr
Nitrogen, Nitrate+Nitrite as N	21	mg/L	D	1		E353.2	04/13/12 17:05 / dc
Sulfate	547	mg/L	D	10		A4500-SO4 E	05/01/12 14:55 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	1380	mg/L		10		A2540 C	04/13/12 14:47 / 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: Denison Mines USA Corp
Project: April Monthly Groundwater 2012
Lab ID: C12040736-006
Client Sample ID: MW-35_04102012

Report Date: 05/11/12
Collection Date: 04/10/12 12:30
DateReceived: 04/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Manganese	277	ug/L		10		E200.8	04/17/12 15:30 / smm
Thallium	0.59	ug/L		0.50		E200.8	04/17/12 15:30 / smm
Uranium	22.4	ug/L		0.30		E200.8	04/17/12 15:30 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	4.1	pCi/L				E900.1	05/02/12 14:07 / ep
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	05/02/12 14:07 / ep
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	05/02/12 14:07 / ep

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: April Monthly Groundwater 2012
Lab ID: C12040736-007
Client Sample ID: MW-65_04102012

Report Date: 05/11/12
Collection Date: 04/10/12 12:30
DateReceived: 04/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Manganese	279	ug/L		10		E200.8	04/17/12 15:34 / smm
Thallium	0.60	ug/L		0.50		E200.8	04/17/12 15:34 / smm
Uranium	22.9	ug/L		0.30		E200.8	04/17/12 15:34 / smm
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	4.3	pCi/L				E900.1	05/02/12 14:07 / ep
Gross Alpha minus Rn & U Precision (±)	0.5	pCi/L				E900.1	05/02/12 14:07 / ep
Gross Alpha minus Rn & U MDC	0.2	pCi/L				E900.1	05/02/12 14:07 / ep

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.

American West
ANALYTICAL LABORATORIES

463 West 3600 South
Salt Lake City, UT 84115

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

web: www.awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

ORGANIC ANALYTICAL REPORT

Client: Denison Mines **Contact:** Jo Ann Tischler
Project: April Monthly Ground Water 2012
Lab Sample ID: 1204240-002A
Client Sample ID: Trip Blank
Collection Date: 4/10/2012
Received Date: 4/13/2012 1310h

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

Analyzed: 4/16/2012 812h
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	47.5	50.00	95.0	77-129	
Surr: Dibromofluoromethane	1868-53-7	49.2	50.00	98.3	80-124	
Surr: 4-Bromofluorobenzene	460-00-4	49.2	50.00	98.4	80-128	
Surr: 1,2-Dichloroethane-d4	17060-07-0	53.6	50.00	107	72-151	

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

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: April Monthly Groundwater 2012
Lab ID: C12040736-008
Client Sample ID: Trip Blank 6746

Report Date: 05/11/12
Collection Date: 04/11/12
DateReceived: 04/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	04/17/12 17:24 / jk
Benzene	ND	ug/L		1.0		SW8260B	04/17/12 17:24 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	04/17/12 17:24 / jk
Chloroform	ND	ug/L		1.0		SW8260B	04/17/12 17:24 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	04/17/12 17:24 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	04/17/12 17:24 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	04/17/12 17:24 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	04/17/12 17:24 / jk
Toluene	ND	ug/L		1.0		SW8260B	04/17/12 17:24 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	04/17/12 17:24 / jk
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120		SW8260B	04/17/12 17:24 / jk
Surr: Dibromofluoromethane	94.0	%REC		70-130		SW8260B	04/17/12 17:24 / jk
Surr: p-Bromofluorobenzene	119	%REC		80-120		SW8260B	04/17/12 17:24 / jk
Surr: Toluene-d8	98.0	%REC		80-120		SW8260B	04/17/12 17:24 / 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: April Monthly Groundwater 2012
Lab ID: C12040736-009
Client Sample ID: Temp Blank

Report Date: 05/11/12
Collection Date: 04/11/12
DateReceived: 04/13/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	3.0	°C				E170.1	04/13/12 09:40 / 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

May 11, 2012

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12040736 Quote ID: C1640 - POC Wells

Project Name: April Monthly Groundwater 2012

Energy Laboratories, Inc. Casper WY received the following 9 samples for Denison Mines USA Corp on 4/13/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12040736-001	MW-11_04102012	04/10/12 12:00	04/13/12	Aqueous	Metals by ICP-MS, Dissolved
C12040736-002	MW-25_04092012	04/09/12 12:00	04/13/12	Aqueous	Same As Above
C12040736-003	MW-26_04112012	04/11/12 7:40	04/13/12	Aqueous	Chloride Metals by ICP-MS, Dissolved Nitrogen, Nitrate + Nitrite Gross Alpha minus Rn222 and Uranium Solids, Total Dissolved SW8260B VOCs, Standard List
C12040736-004	MW-30_04102012	04/10/12 10:45	04/13/12	Aqueous	Chloride Metals by ICP-MS, Dissolved Nitrogen, Nitrate + Nitrite
C12040736-005	MW-31_04092012	04/09/12 13:45	04/13/12	Aqueous	Chloride Nitrogen, Nitrate + Nitrite Solids, Total Dissolved Sulfate
C12040736-006	MW-35_04102012	04/10/12 12:30	04/13/12	Aqueous	Metals by ICP-MS, Dissolved Gross Alpha minus Rn222 and Uranium
C12040736-007	MW-65_04102012	04/10/12 12:30	04/13/12	Aqueous	Same As Above
C12040736-008	Trip Blank 6746	04/11/12 0:00	04/13/12	Aqueous	SW8260B VOCs, Standard List
C12040736-009	Temp Blank	04/11/12 0:00	04/13/12	Aqueous	Temperature

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.

The results as reported relate only to the item(s) submitted for testing. Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. Data corrected for moisture content are typically noted as - dry on the report. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

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: 2012.05.11 10:19:18 -06:00

CLIENT: Denison Mines USA Corp
Project: April Monthly Groundwater 2012
Sample Delivery Group: C12040736

Report Date: 05/11/12

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: 05/11/12
Project: April Monthly Groundwater 2012
Work Order: C12040736

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C									Batch: 120413_1_SLDS-TDS-W	
Sample ID: MBLK1_120413		Method Blank				Run: BAL-1_120413B			04/13/12 14:38	
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	10						
Sample ID: LCS1_120413		Laboratory Control Sample				Run: BAL-1_120413B			04/13/12 14:38	
Solids, Total Dissolved TDS @ 180 C		1640	mg/L	10	98	90	110			
Sample ID: C12040734-001AMS		Sample Matrix Spike				Run: BAL-1_120413B			04/13/12 14:46	
Solids, Total Dissolved TDS @ 180 C		6730	mg/L	11	105	90	110			
Sample ID: C12040736-005ADUP		Sample Duplicate				Run: BAL-1_120413B			04/13/12 14:48	
Solids, Total Dissolved TDS @ 180 C		1380	mg/L	10				0.0	5	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 05/11/12
Project: April Monthly Groundwater 2012
Work Order: C12040736

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **A4500-Cl B**									Batch: 120426A-CL-TTR-W	
Sample ID: **MBLK9-120426A**		Method Blank				Run: TITRATION_120426A			04/26/12 13:22	
Chloride		ND	mg/L	1.0						
Sample ID: **C12041131-001AMS**		Sample Matrix Spike				Run: TITRATION_120426A			04/26/12 14:35	
Chloride		36.2	mg/L	1.0	102	90	110			
Sample ID: **C12041131-001AMSD**		Sample Matrix Spike Duplicate				Run: TITRATION_120426A			04/26/12 14:37	
Chloride		36.5	mg/L	1.0	103	90	110	1.0	10	
Sample ID: **LCS35-120426A**		Laboratory Control Sample				Run: TITRATION_120426A			04/26/12 15:01	
Chloride		3580	mg/L	1.0	101	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
Report Date: 05/11/12
Project: April Monthly Groundwater 2012
Work Order: C12040736

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E									Batch: 120501_1_SO4-TURB-W	
Sample ID: LCS-1_120501		Laboratory Control Sample				Run: TURB-2_120501A			05/01/12 14:52	
Sulfate		4950	mg/L	100	103	90	110			
Sample ID: MBLK-1_120501		Method Blank				Run: TURB-2_120501A			05/01/12 14:53	
Sulfate		ND	mg/L	10						
Sample ID: C12040980-002AMS		Sample Matrix Spike				Run: TURB-2_120501A			05/01/12 15:13	
Sulfate		298	mg/L	5.0	103	90	110			
Sample ID: C12040980-002AMSD		Sample Matrix Spike Duplicate				Run: TURB-2_120501A			05/01/12 15:14	
Sulfate		297	mg/L	5.0	101	90	110	0.5	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 05/11/12
Project: April Monthly Groundwater 2012
Work Order: C12040736

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS2-C_120416A	
Sample ID: ICV	3	Initial Calibration Verification Standard							04/16/12 12:16	
Manganese		0.0484	mg/L	0.0010	97	90	110			
Selenium		0.0499	mg/L	0.0010	100	90	110			
Uranium		0.0505	mg/L	0.00030	101	90	110			
Method: E200.8									Batch: R158503	
Sample ID: LRB	3	Method Blank				Run: ICPMS2-C_120416A			04/16/12 12:32	
Manganese		ND	mg/L	0.010						
Selenium		ND	mg/L	0.0050						
Uranium		ND	mg/L	0.00030						
Sample ID: LFB	3	Laboratory Fortified Blank				Run: ICPMS2-C_120416A			04/16/12 12:34	
Manganese		0.0496	mg/L	0.0010	99	85	115			
Selenium		0.0504	mg/L	0.0010	101	85	115			
Uranium		0.0503	mg/L	0.00030	101	85	115			
Sample ID: C12040344-004CMS4	3	Sample Matrix Spike				Run: ICPMS2-C_120416A			04/16/12 13:47	
Manganese		0.0672	mg/L	0.0010	93	70	130			
Selenium		0.0493	mg/L	0.0010	99	70	130			
Uranium		0.0910	mg/L	0.00030	106	70	130			
Sample ID: C12040344-004CMSD	3	Sample Matrix Spike Duplicate				Run: ICPMS2-C_120416A			04/16/12 13:49	
Manganese		0.0664	mg/L	0.0010	91	70	130	1.2	20	
Selenium		0.0485	mg/L	0.0010	97	70	130	1.7	20	
Uranium		0.0922	mg/L	0.00030	109	70	130	1.3	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 05/11/12
Project: April Monthly Groundwater 2012
Work Order: C12040736

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS4-C_120417A	
Sample ID: ICV	3	Initial Calibration Verification Standard							04/17/12 13:41	
Manganese		0.0468	mg/L	0.0010	94	90	110			
Thallium		0.0470	mg/L	0.0010	94	90	110			
Uranium		0.0458	mg/L	0.00030	92	90	110			
Method: E200.8									Batch: R158558B	
Sample ID: LRB	3	Method Blank				Run: ICPMS4-C_120417A			04/17/12 14:15	
Manganese		ND	mg/L	0.010						
Thallium		ND	mg/L	0.00050						
Uranium		ND	mg/L	0.00030						
Sample ID: LFB	3	Laboratory Fortified Blank				Run: ICPMS4-C_120417A			04/17/12 14:51	
Manganese		0.0478	mg/L	0.0010	96	85	115			
Thallium		0.0482	mg/L	0.0010	96	85	115			
Uranium		0.0466	mg/L	0.00030	93	85	115			
Sample ID: C12040759-005BMS4	3	Sample Matrix Spike				Run: ICPMS4-C_120417A			04/17/12 16:33	
Manganese		0.814	mg/L	0.0010		70	130			A
Thallium		0.0517	mg/L	0.00050	103	70	130			
Uranium		0.0565	mg/L	0.00030	113	70	130			
Sample ID: C12040759-005BMSD	3	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120417A			04/17/12 16:37	
Manganese		0.831	mg/L	0.0010		70	130	2.2	20	A
Thallium		0.0542	mg/L	0.00050	108	70	130	4.7	20	
Uranium		0.0591	mg/L	0.00030	118	70	130	4.6	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: 05/11/12
Project: April Monthly Groundwater 2012
Work Order: C12040736

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R158439
Sample ID: MBLK-1		Method Blank				Run: TECHNICON_120413B				04/13/12 15:57
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.20						
Sample ID: LCS-2		Laboratory Control Sample				Run: TECHNICON_120413B				04/13/12 16:00
Nitrogen, Nitrate+Nitrite as N		2.46	mg/L	0.10	98	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_120413B				04/13/12 16:02
Nitrogen, Nitrate+Nitrite as N		1.86	mg/L	0.10	95	90	110			
Sample ID: C12040738-010DMS		Sample Matrix Spike				Run: TECHNICON_120413B				04/13/12 16:50
Nitrogen, Nitrate+Nitrite as N		1.93	mg/L	0.10	98	90	110			
Sample ID: C12040738-010DMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_120413B				04/13/12 16:52
Nitrogen, Nitrate+Nitrite as N		1.96	mg/L	0.10	100	90	110	1.5	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: 05/11/12
Project: April Monthly Groundwater 2012
Work Order: C12040736

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1										Batch: GA-0529
Sample ID: MB-GA-0529	3	Method Blank				Run: BERTHOLD 770-2_120426B				05/02/12 12:26
Gross Alpha minus Rn & U		-0.0156	pCi/L							U
Gross Alpha minus Rn & U Precision (±)		0.256	pCi/L							
Gross Alpha minus Rn & U MDC		0.456	pCi/L							
Sample ID: LCS-GA-0529		Laboratory Control Sample				Run: BERTHOLD 770-2_120426B				05/02/12 12:26
Gross Alpha minus Rn & U		21.4	pCi/L		102	70	130			
Sample ID: C12040736-006BMS		Sample Matrix Spike				Run: BERTHOLD 770-2_120426B				05/02/12 14:07
Gross Alpha minus Rn & U		24.0	pCi/L		95	70	130			
Sample ID: C12040736-006BMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-2_120426B				05/02/12 14:07
Gross Alpha minus Rn & U		23.8	pCi/L		94	70	130	0.7	23.8	

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: Denison Mines USA Corp
Report Date: 05/11/12
Project: April Monthly Groundwater 2012
Work Order: C12040736

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R158645
Sample ID: 17-Apr-12_LCS_5	16	Laboratory Control Sample				Run: 5975VOC1_120417A				04/17/12 14:12
Acetone		120	ug/L	20	124	70	130			
Benzene		9.7	ug/L	1.0	97	70	130			
Carbon tetrachloride		10	ug/L	1.0	102	70	130			
Chloroform		10	ug/L	1.0	101	70	130			
Chloromethane		11	ug/L	1.0	112	70	130			
m+p-Xylenes		20	ug/L	1.0	98	70	130			
Methyl ethyl ketone		120	ug/L	20	124	70	130			
Methylene chloride		10	ug/L	1.0	102	70	130			
Naphthalene		11	ug/L	1.0	107	70	130			
o-Xylene		9.8	ug/L	1.0	98	70	130			
Toluene		9.9	ug/L	1.0	99	70	130			
Xylenes, Total		29	ug/L	1.0	98	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	104	80	120			
Surr: Dibromofluoromethane				1.0	98	70	130			
Surr: p-Bromofluorobenzene				1.0	102	80	130			
Surr: Toluene-d8				1.0	103	80	120			
Sample ID: 17-Apr-12_MBLK_7	16	Method Blank				Run: 5975VOC1_120417A				04/17/12 15:23
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	106	80	120			
Surr: Dibromofluoromethane				1.0	98	70	130			
Surr: p-Bromofluorobenzene				1.0	120	80	120			
Surr: Toluene-d8				1.0	99	80	120			
Sample ID: C12040392-001JMS	16	Sample Matrix Spike				Run: 5975VOC1_120417A				04/17/12 20:21
Acetone		680	ug/L	50	135	70	130			S
Benzene		50	ug/L	2.5	100	70	130			
Carbon tetrachloride		54	ug/L	2.5	109	70	130			
Chloroform		52	ug/L	2.5	104	70	130			
Chloromethane		48	ug/L	2.5	95	70	130			
m+p-Xylenes		100	ug/L	2.5	102	70	130			
Methyl ethyl ketone		620	ug/L	50	124	70	130			
Methylene chloride		55	ug/L	2.5	110	70	130			
Naphthalene		61	ug/L	2.5	121	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

Client: Denison Mines USA Corp
Report Date: 05/11/12
Project: April Monthly Groundwater 2012
Work Order: C12040736

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R158645
Sample ID: C12040392-001JMS	16	Sample Matrix Spike				Run: 5975VOC1_120417A				04/17/12 20:21
o-Xylene		50	ug/L	2.5	101	70	130			
Toluene		51	ug/L	2.5	101	70	130			
Xylenes, Total		150	ug/L	2.5	101	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	104	80	120			
Surr: Dibromofluoromethane				1.0	95	70	130			
Surr: p-Bromofluorobenzene				1.0	105	80	120			
Surr: Toluene-d8				1.0	104	80	120			
Sample ID: C12040392-001JMSD	16	Sample Matrix Spike Duplicate				Run: 5975VOC1_120417A				04/17/12 20:57
Acetone		420	ug/L	50	84	70	130	47	20	R
Benzene		47	ug/L	2.5	93	70	130	7.0	20	
Carbon tetrachloride		42	ug/L	2.5	85	70	130	25	20	R
Chloroform		43	ug/L	2.5	86	70	130	19	20	
Chloromethane		41	ug/L	2.5	81	70	130	16	20	
m+p-Xylenes		90	ug/L	2.5	90	70	130	12	20	
Methyl ethyl ketone		500	ug/L	50	99	70	130	22	20	R
Methylene chloride		43	ug/L	2.5	85	70	130	25	20	R
Naphthalene		63	ug/L	2.5	125	70	130	3.2	20	
o-Xylene		44	ug/L	2.5	89	70	130	13	20	
Toluene		47	ug/L	2.5	93	70	130	8.9	20	
Xylenes, Total		130	ug/L	2.5	89	70	130	12	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	107	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	89	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	107	80	120	0.0	10	
Surr: Toluene-d8				1.0	103	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.

Workorder Receipt Checklist

C12040736

Denison Mines USA Corp

Login completed by: Corinne Wagner
Date Received: 4/13/2012

Reviewed by: BL2000\kschroeder
Received by: tj

Reviewed Date: 4/13/2012
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Container/Temp Blank temperature:	3.0°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

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.: April Monthly Ground Water 2012	Sample Origin State: UT	EPA/State Compliance: Yes ☒ No ☐
Report Mail Address: PO BOX 809 Blanding UT 84511	Contact Name: Tanner Holliday Phone/Fax: 435 678 2221	Email:	Sampler: (Please Print) 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 Air W Water S Soils/Solids V Vegetation B Bioassay O Other D DW - Drinking Water

ANALYSIS REQUESTED

Standard Turnaround (TAT)

RUSH

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: Fed EX
Cooler ID(s): Client
Receipt Temp: 3.0 °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	Gross Alpha	Chloride	TDS	Selinium	Sulfate	Thallium SEE ATTACHED
1	MW-11_04102012	4/10/2012	1200	1-W	X									
2	[redacted]MW-25_04092012	4/9/2012	1200	1-W		X								
3	MW-26_04112012	4/11/2012	0740	6-W		X	X	X	X	X	X			
4	MW-30_04102012	4/10/2012	1045	3-W		X	X			X		X		
5	MW-31_04092012	4/9/2012	1345	2-W			X			X	X		X	
6	MW-35_04102012	4/10/2012	1230	1-W	X	X			X					X
7	MW-65_04102012	4/10/2012	1230	1-W	X	X			X					X
8	Trip Blank 0746													
9														
10														

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print): Tanner Holliday	Date/Time: 4/12/2012 1030	Signature: Tanner Holliday	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: 4-13-12 9:40 Date/Time: Signature: Tracy Judy

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.

American West
ANALYTICAL LABORATORIES

Jo Ann Tischler
Denison Mines
1050 17th Street, # 950
Denver, CO 80265
TEL: (303) 389-4132

RE: April Monthly Ground Water 2012

Dear Jo Ann Tischler: Lab Set ID: 1204240

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

American West Analytical Laboratories received 2 sample(s) on 4/13/2012 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is accredited by The NELAC Institute in Utah and Texas; and is state accredited in Colorado, Idaho, and Missouri. Accreditation documents are available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: Jose G. Rocha

Digitally signed by Jose G. Rocha
DN: cn=Jose G. Rocha, o=American West Analytical Laboratories, ou=Quality Assurance Officer, email=jose@awal-labs.com, c=US
Date: 2012.04.23 10:42:39 -06'00'

Laboratory Director or designee

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

SAMPLE SUMMARY

Client: Denison Mines
Contact: Jo Ann Tischler
Project: April Monthly Ground Water 2012
Lab Set ID: 1204240
Date Received: 4/13/2012 1310h

Lab Sample ID	Client Sample ID	Date Collected	Matrix	Analysis
1204240-001A	MW-11	4/10/2012 1200h	Aqueous	VOA by GC/MS Method 8260C/5030C
1204240-002A	Trip Blank	4/10/2012	Aqueous	VOA by GC/MS Method 8260C/5030C

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

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

Volatile Case Narrative

Client:	Denison Mines
Contact:	Jo Ann Tischler
Project:	April Monthly Ground Water 2012
Lab Set ID:	1204240

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Sample Receipt Information:

Date of Receipt:	4/13/2012
Date(s) of Collection:	4/10/2012
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.

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

American West
ANALYTICAL LABORATORIES

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1204240
Project: April Monthly 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 041612A	Tetrahydrofuran	µg/L	SW8260C	17.8	20.00	0	88.9	43-146				4/16/2012 656h
LCS VOC 041612A	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	57.8	50.00		116	72-136				4/16/2012 656h
LCS VOC 041612A	Surr: 4-Bromofluorobenzene	%REC	SW8260C	46.5	50.00		93.1	77-121				4/16/2012 656h
LCS VOC 041612A	Surr: Dibromofluoromethane	%REC	SW8260C	48.9	50.00		97.8	67-128				4/16/2012 656h
LCS VOC 041612A	Surr: Toluene-d8	%REC	SW8260C	47.9	50.00		95.8	81-135				4/16/2012 656h

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1204240
Project: April Monthly 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 041612A	Tetrahydrofuran	µg/L	SW8260C	< 1.00				-				4/16/2012 734h
MB VOC 041612A	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	53.4	50.00		107	72-136				4/16/2012 734h
MB VOC 041612A	Surr: 4-Bromofluorobenzene	%REC	SW8260C	50.3	50.00		101	77-121				4/16/2012 734h
MB VOC 041612A	Surr: Dibromofluoromethane	%REC	SW8260C	49.5	50.00		98.9	67-128				4/16/2012 734h
MB VOC 041612A	Surr: Toluene-d8	%REC	SW8260C	48.7	50.00		97.5	81-135				4/16/2012 734h

l analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any mber of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1204240
Project: April Monthly 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
1204240-001AMS	Tetrahydrofuran	µg/L	SW8260C	19.7	20.00	0	98.6	43-146				4/16/2012 831h
1204240-001AMS	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	54.3	50.00		109	72-151				4/16/2012 831h
1204240-001AMS	Surr: 4-Bromofluorobenzene	%REC	SW8260C	47.6	50.00		95.2	80-128				4/16/2012 831h
1204240-001AMS	Surr: Dibromofluoromethane	%REC	SW8260C	51.2	50.00		102	80-124				4/16/2012 831h
1204240-001AMS	Surr: Toluene-d8	%REC	SW8260C	47.5	50.00		95.0	77-129				4/16/2012 831h

analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any member of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

QC SUMMARY REPORT

Client: Denison Mines
Lab Set ID: 1204240
Project: April Monthly Ground Water 2012

Contact: Jo Ann Tischler
Dept: MSVOA
QC Type: MSD

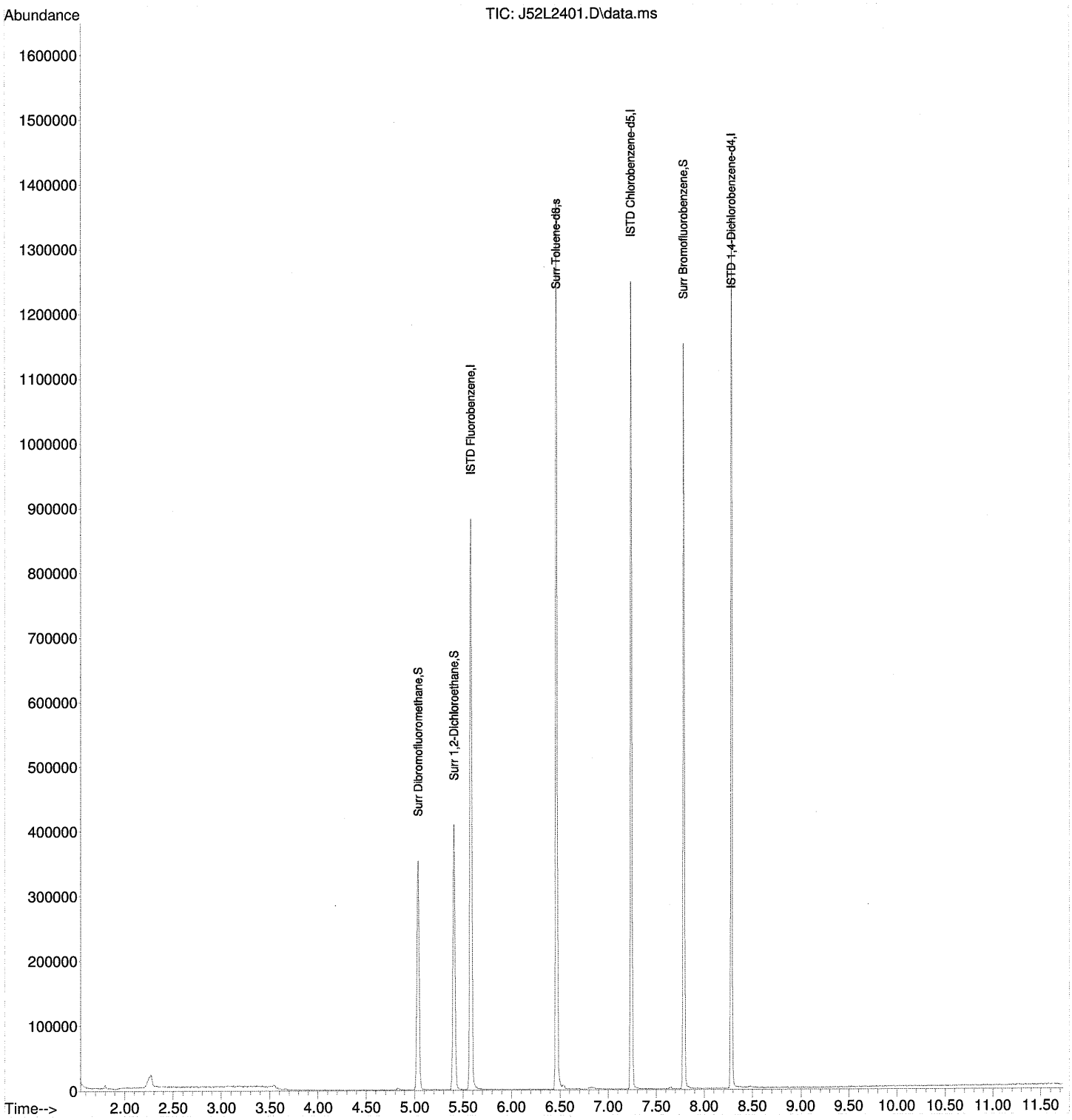
Sample ID	Analyte	Units	Method	Result	Amount Spiked	Original Amount	%REC	Limits	%RPD	RPD Limit	Qual	Date Analyzed
1204240-001AMSD	Tetrahydrofuran	µg/L	SW8260C	20.0	20.00	0	100	43-146	1.41	25		4/16/2012 850h
1204240-001AMSD	Surr: 1,2-Dichloroethane-d4	%REC	SW8260C	55.2	50.00		110	72-151				4/16/2012 850h
1204240-001AMSD	Surr: 4-Bromofluorobenzene	%REC	SW8260C	48.2	50.00		96.4	80-128				4/16/2012 850h
1204240-001AMSD	Surr: Dibromofluoromethane	%REC	SW8260C	51.1	50.00		102	80-124				4/16/2012 850h
1204240-001AMSD	Surr: Toluene-d8	%REC	SW8260C	47.9	50.00		95.8	77-129				4/16/2012 850h

l analyses applicable to the CWA, SDWA, and RCRA are performed in accordance to NELAC protocols. Pertinent sampling information is located on the attached COC. This report is provided for the exclusive use of the addressee. Privileges of subsequent use of the name of this company or any mber of its staff, or reproduction of this report in connection with the advertisement, promotion or sale of any product or process, or in connection with the re-publication of this report for any purpose other than for the addressee will be granted only on contact. This company accepts no responsibility

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\APR12-C\16APR12\
Data File : J52L2401.D
Acq On : 16 Apr 2012 7:53 am
Operator :
Sample : 1204240-001A
Misc : SAMP 5.0ML 1OF3 JO
ALS Vial : 6 Sample Multiplier: 1

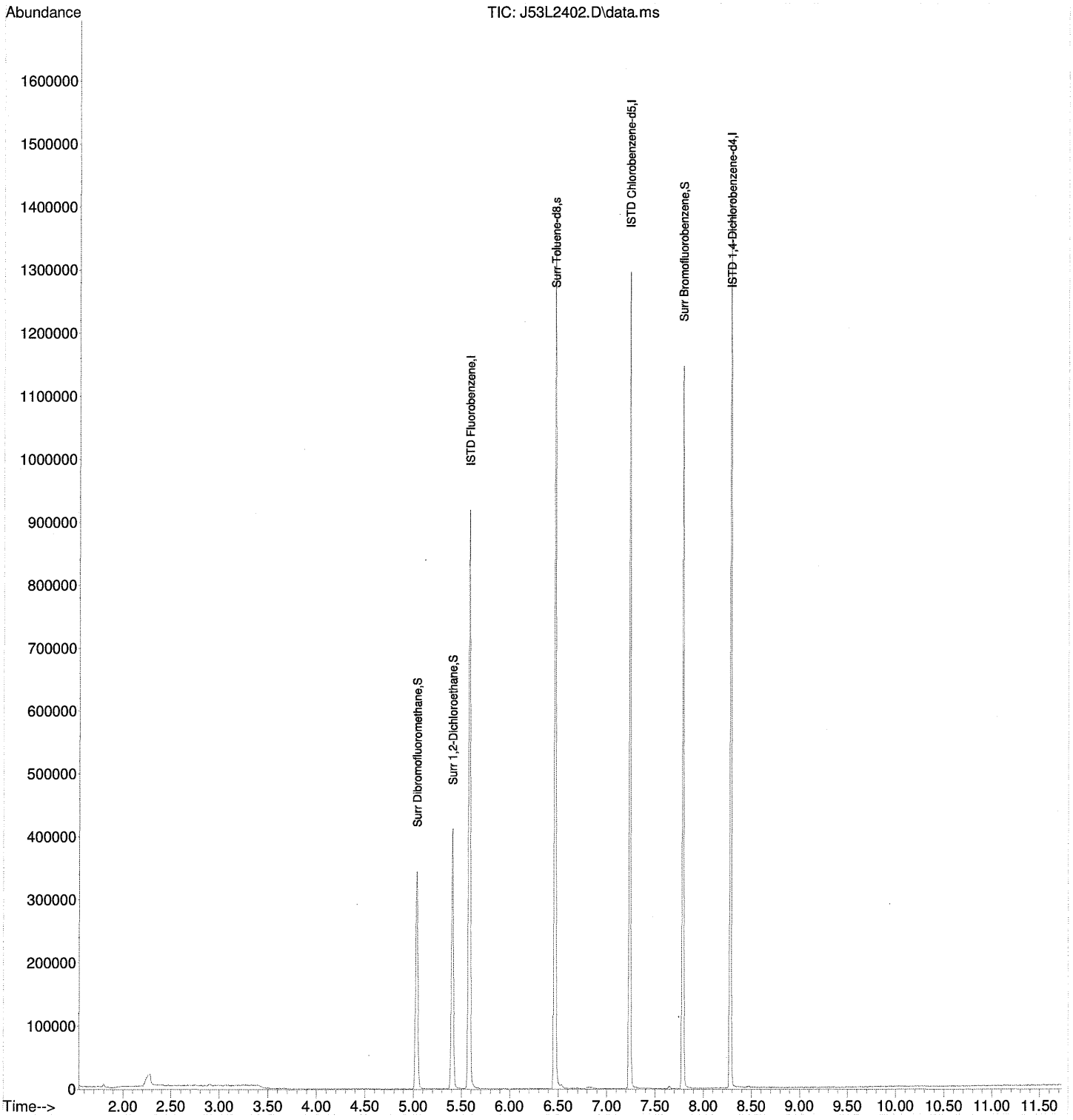
Quant Time: Apr 16 08:26:35 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_55.M
Quant Title : VOA Calibration
QLast Update : Tue Apr 10 11:01:33 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\APR12-C\16APR12\
Data File : J53L2402.D
Acq On : 16 Apr 2012 8:12 am
Operator :
Sample : 1204240-002A
Misc : SAMP 5.0ML 1OF3 JO
ALS Vial : 7 Sample Multiplier: 1

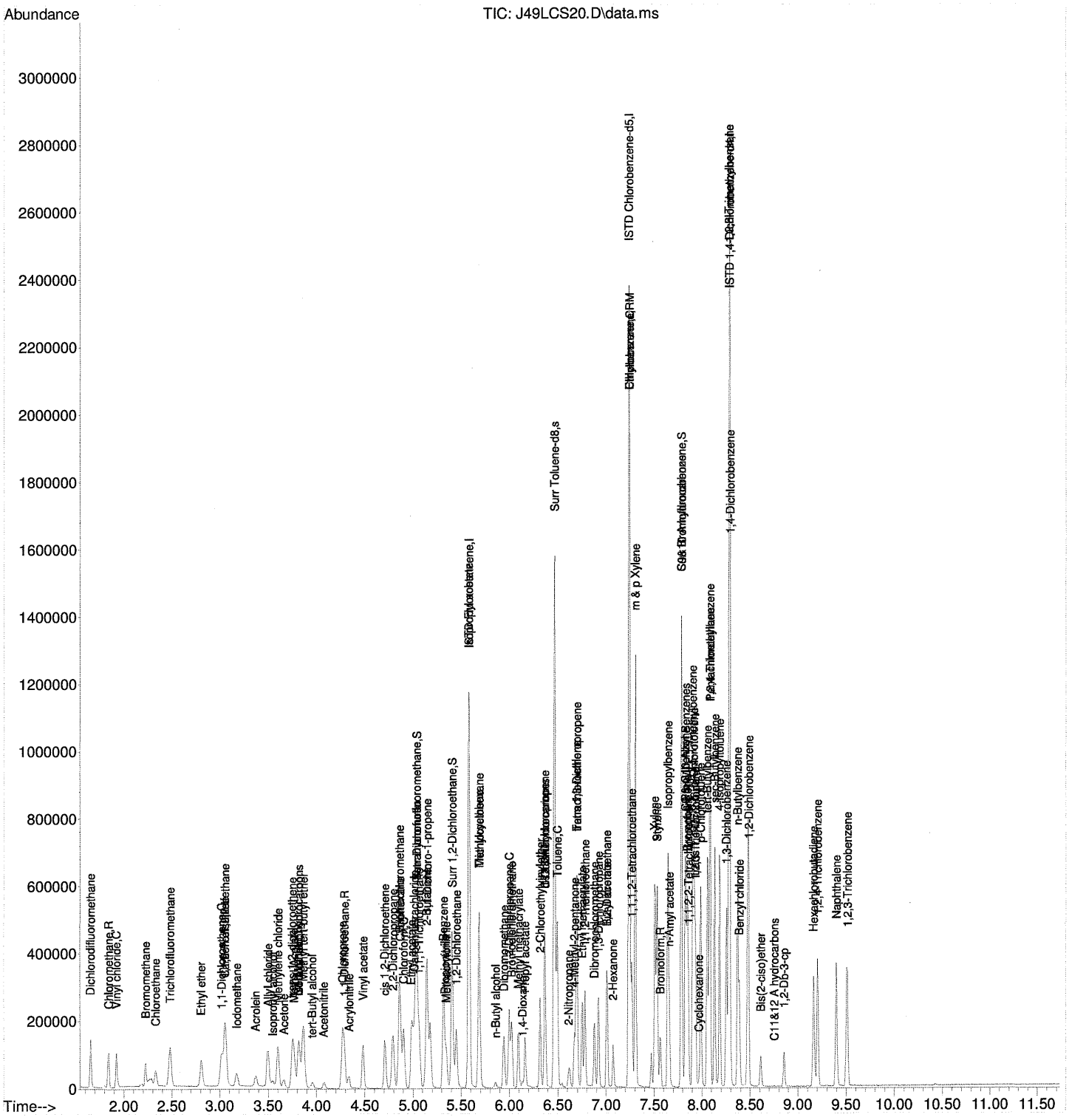
Quant Time: Apr 16 08:27:02 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_55.M
Quant Title : VOA Calibration
QLast Update : Tue Apr 10 11:01:33 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\APR12-C\16APR12\
Data File : J49LCS20.D
Acq On : 16 Apr 2012 6:56 am
Operator :
Sample : LCS VOC 041612A
Misc : LCS SEE COVERSHEET FOR ID AND AMOUNTS JO
ALS Vial : 3 Sample Multiplier: 1

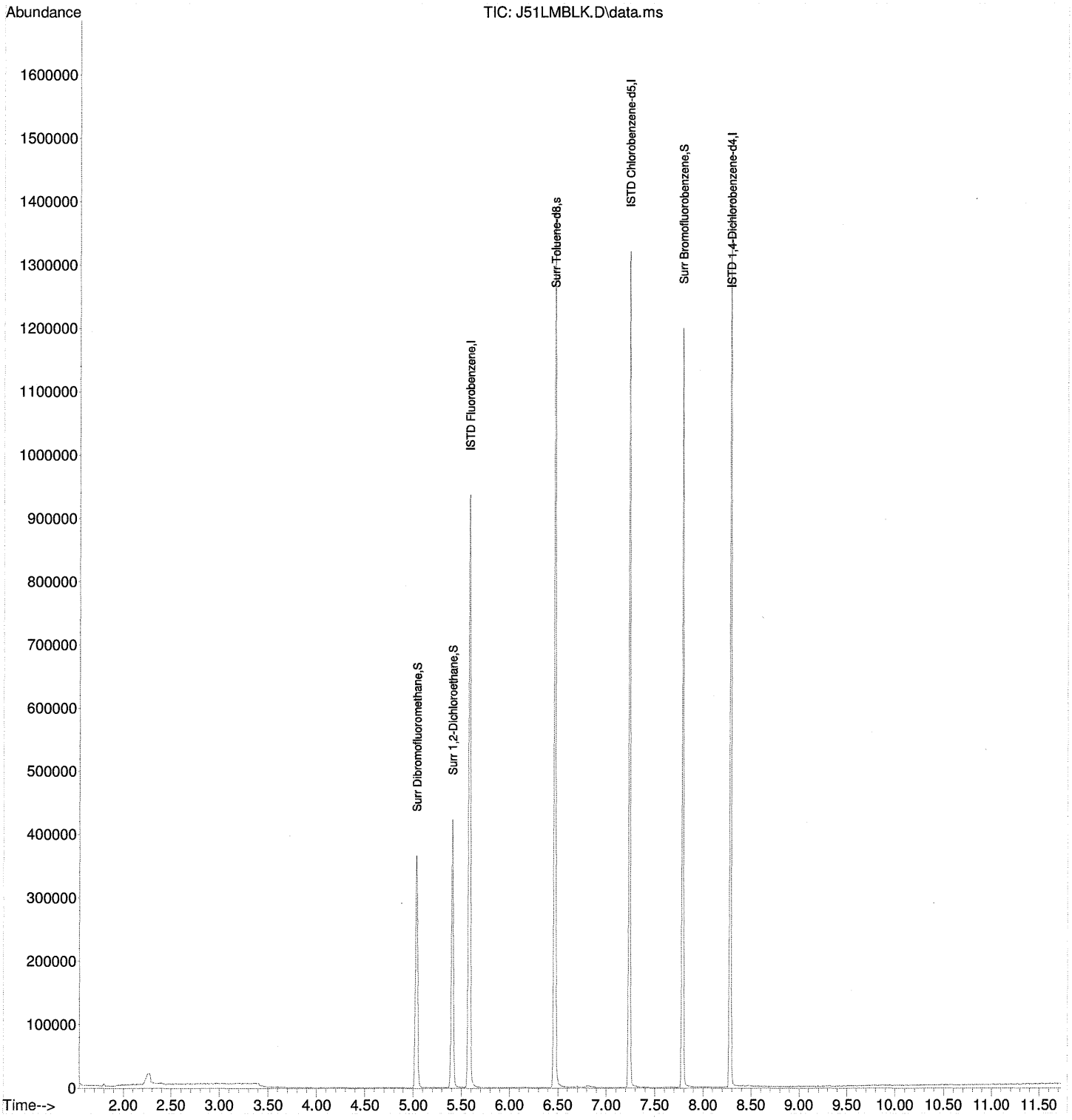
Quant Time: Apr 16 08:24:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_55.M
Quant Title : VOA Calibration
QLast Update : Tue Apr 10 11:01:33 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\APR12-C\16APR12\
Data File : J51LMBLK.D
Acq On : 16 Apr 2012 7:34 am
Operator :
Sample : MB VOC 041612A
Misc : MBLK 5.0ML JO
ALS Vial : 5 Sample Multiplier: 1

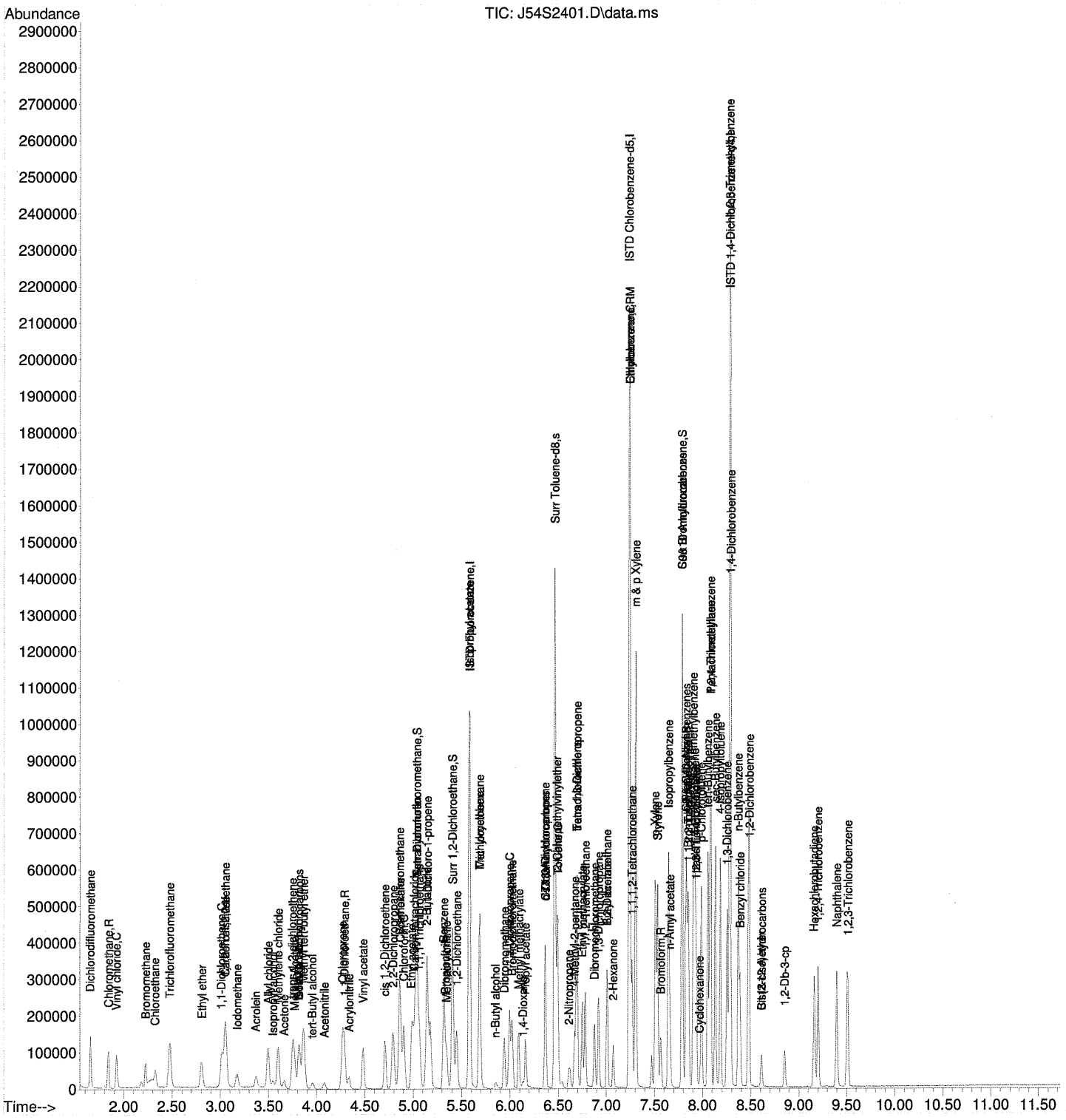
Quant Time: Apr 16 08:26:00 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_55.M
Quant Title : VOA Calibration
QLast Update : Tue Apr 10 11:01:33 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\APR12-C\16APR12\
Data File : J54S2401.D
Acq On : 16 Apr 2012 8:31 am
Operator :
Sample : 1204240-001AMS
Misc : MS 5.0ML 2OF3 JO
ALS Vial : 8 Sample Multiplier: 1

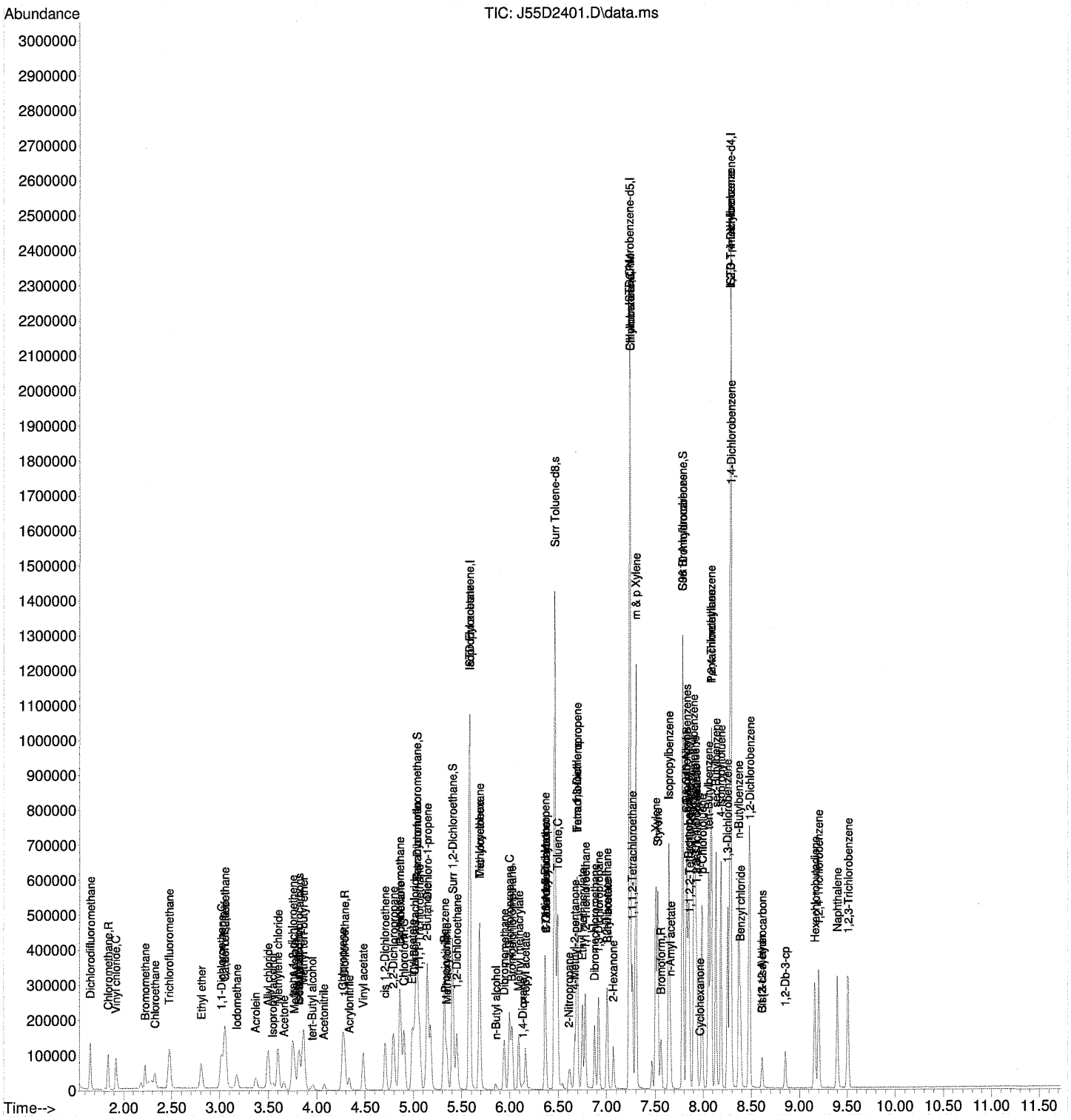
Quant Time: Apr 16 09:05:43 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_55.M
Quant Title : VOA Calibration
QLast Update : Tue Apr 10 11:01:33 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\APR12-C\16APR12\
Data File : J55D2401.D
Acq On : 16 Apr 2012 8:50 am
Operator :
Sample : 1204240-001AMSD
Misc : MSD 5.0ML 3OF3 JO
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 16 09:07:17 2012
Quant Method : C:\MSDCHEM\1\METHODS\AFULLW_55.M
Quant Title : VOA Calibration
QLast Update : Tue Apr 10 11:01:33 2012
Response via : Initial Calibration



American West Analytical Laboratories

UL
Denison

WORK ORDER Summary

Work Order: **1204240**

Client: Denison Mines

Page 1 of 1 4/13/2012

Client ID: DEN100 **Contact:** Jo Ann Tischler

Project: April Monthly 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.;

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage	
1204240-001A	MW-11	4/10/2012 1200h	4/13/2012 1310h	4/24/2012	Aqueous	8260-W	☑	VOCFridge	3
1204240-002A	Trip Blank	4/10/2012				8260-W	☑	VOCFridge	

DENISON MINES

Sheet 1 of 1

1204240
~~1204340~~ dh
~~1204339~~ dh 4/13/12
4/13/12

CHAIN OF CUSTODY

Samples Shipped to: American West Analytical Lab
463 West 3600 South
Salt Lake City, Ut 84115

Contact: Garrin Palmer or David Turk
Ph: 435 678 2221
gpalmer@denisonmines.com
dturk@denisonmines.com
tholliday@denisonmines.com

Chain of Custody/Sampling Analysis Request

Project	Samplers Name	Samplers Signature
April Monthly Ground Water 2012	Tanner Holliday	Tanner Holliday

Sample ID	Date Collected	Time Collected	Laboratory Analysis Requested
MW-11	4/10/2012	1200	THF
Trip Blank	4/10/2012		
Please notify Garrin Palmer or Tanner Holliday of Reciept tempature on these samples Immediately! Thank you.			

Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
Tanner Holliday	4/12/2012 1100		
Relinquished By:(Signature)	Date/Time	Received By:(Signature)	Date/Time
		Elma Kay	4/13/12 1310

3.4

Lab Set ID: 1204240

Samples Were:	COC Tape Was:	Container Type:	No. Rec.
X Shipped By:	**Present on Outer Package**	AWAL Supplied Plastic	
Hand Delivered	Yes No N/A	AWAL Supplied Clear Glass	
Ambient	**Unbroken on Outer package**	AWAL Supplied Amber Glass	
X Chilled on ice	Yes No N/A	AWAL Supplied VOA/TOC/TOX Vials	
Temperature 3.4 °C	**Present on Sample**	Amber Clear Headspace No Headspace	
Rec. Broken/Leaking Yes (No) N/A	Yes No (N/A)	Non AWAL Supplied Container	
Notes:	**Unbroken on Sample**	**Notes:**	
Properly Preserved (Yes) No N/A	Yes No (N/A)	4/13/12 ah	
Notes:	**Notes:**	**Discrepancies Between Labels and COC** Yes (No)	
Rec. Within Hold (Yes) No		**Notes:**	
Notes:			

Bottle Type	Preservative
Ammonia	pH <2 H_2SO_4
COD	pH <2 H_2SO_4
Cyanide	PH >12 NaOH
Metals	pH <2 HNO_3
NO_2 & NO_3	pH <2 H_2SO_4
Nutrients	pH <2 H_2SO_4
O & G	pH <2 HCL
Phenols	pH <2 H_2SO_4
Sulfide	pH > 9NaOH, ZnAC
TKN	pH <2 H_2SO_4
T PO_4	pH <2 H_2SO_4

ah 4/13/12

Procedure:
1) Pour a small amount of sample in the sample lid
2) Pour sample from Lid gently over wide range pH paper
3) **Do Not** dip the pH paper in the sample bottle or lid
4) If sample is not preserved, properly list its extension and receiving pH in the appropriate column above
5) Flag COC, notify client if requested
6) Place client conversation on COC
7) Samples may be adjusted at client request

https://www.wexshin.com/wwwxchange/Label?id=171187Y4Y0119694107O

Create New Shipment
View Pending Shipments

GARRIN PALMER
4356782221
DENISON-WHITE MESA MILL
6425 S HWY 191
BLANDING UT 84511

5 LBS

1 OF 1

DWT: 12,12,7

SHIP TO:
AMERICAN WEST ANALYTICAL LAB
801-263-8686
AMERICAN WEST ANALYTICAL LABS
463 WEST 3600 SOUTH
SALT LAKE CITY UT 84115

UT 841 9-44

UPS NEXT DAY AIR **1**

TRACKING #: 1Z 187 Y4Y 01 9694 1070

BILLING: P/P

Trx Ref No.: April GW 2012

XOL 12.04.02 NV45 24.0A 01/2012

Airbill: 1Z187Y4Y0196941070

Tab F2

Laboratory Analytical Reports – Accelerated Monitoring

June 2012

LABORATORY ANALYTICAL REPORT

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Project: June Monthly Groundwater 2012
Lab ID: C12060935-001
Client Sample ID: MW-11_06192012

Report Date: 07/18/12
Collection Date: 06/19/12 10:55
DateReceived: 06/22/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Manganese	122	ug/L		10		E200.8	07/11/12 20:01 / 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: June Monthly Groundwater 2012
Lab ID: C12060935-002
Client Sample ID: MW-25_06182012

Report Date: 07/18/12
Collection Date: 06/18/12 11:00
DateReceived: 06/22/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Uranium	7.60	ug/L		0.30		E200.8	07/09/12 15:19 / 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: June Monthly Groundwater 2012
Lab ID: C12060935-003
Client Sample ID: MW-26_06192012

Report Date: 07/18/12
Collection Date: 06/19/12 10:15
DateReceived: 06/22/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	85	mg/L		1		A4500-Cl B	06/27/12 13:34 / wc
Nitrogen, Nitrate+Nitrite as N	2.3	mg/L		0.1		E353.2	06/27/12 13:10 / lr
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	3200	mg/L				A2540 C	06/22/12 14:14 / ab
METALS - DISSOLVED							
Uranium	66.0	ug/L		0.3		E200.8	07/10/12 19:43 / cp
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/28/12 23:58 / jk
Benzene	ND	ug/L		1.0		SW8260B	06/28/12 23:58 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/28/12 23:58 / jk
Chloroform	2400	ug/L	D	500		SW8260B	06/28/12 23:22 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	06/28/12 23:58 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/28/12 23:58 / jk
Methylene chloride	16	ug/L		1.0		SW8260B	06/28/12 23:58 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	06/28/12 23:58 / jk
Toluene	ND	ug/L		1.0		SW8260B	06/28/12 23:58 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/28/12 23:58 / jk
Surr: 1,2-Dichlorobenzene-d4	97.0	%REC		80-120		SW8260B	06/28/12 23:58 / jk
Surr: Dibromofluoromethane	92.0	%REC		70-130		SW8260B	06/28/12 23:58 / jk
Surr: p-Bromofluorobenzene	89.0	%REC		80-120		SW8260B	06/28/12 23:58 / jk
Surr: Toluene-d8	96.0	%REC		80-120		SW8260B	06/28/12 23:58 / 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: June Monthly Groundwater 2012
Lab ID: C12060935-004
Client Sample ID: MW-30_06182012

Report Date: 07/18/12
Collection Date: 06/18/12 14:45
DateReceived: 06/22/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	131	mg/L		1		A4500-Cl B	06/27/12 14:30 / wc
Nitrogen, Nitrate+Nitrite as N	15.0	mg/L	D	0.5		E353.2	06/27/12 13:13 / lr
METALS - DISSOLVED							
Selenium	37	ug/L		5		E200.8	07/10/12 19:45 / cp
Uranium	7.8	ug/L		0.3		E200.8	07/10/12 19:45 / 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: June Monthly Groundwater 2012
Lab ID: C12060935-005
Client Sample ID: MW-31_06182012

Report Date: 07/18/12
Collection Date: 06/18/12 13:15
DateReceived: 06/22/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	138	mg/L		1		A4500-Cl B	06/27/12 13:47 / wc
Nitrogen, Nitrate+Nitrite as N	21.6	mg/L	D	0.5		E353.2	06/27/12 13:15 / lr
Sulfate	497	mg/L	D	10		A4500-SO4 E	06/26/12 11:38 / 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: June Monthly Groundwater 2012
Lab ID: C12060935-006
Client Sample ID: MW-35_06192012

Report Date: 07/18/12
Collection Date: 06/19/12 11:10
DateReceived: 06/22/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Manganese	304	ug/L		10		E200.8	07/11/12 20:06 / cp
Selenium	7.0	ug/L		5.0		E200.8	07/11/12 20:06 / cp
Thallium	ND	ug/L		0.50		E200.8	07/11/12 20:06 / cp
Uranium	22.5	ug/L		0.30		E200.8	07/11/12 20:06 / cp
RADIONUCLIDES - DISSOLVED							
Gross Alpha minus Rn & U	4.9	pCi/L				E900.1	07/04/12 10:04 / lbb
Gross Alpha minus Rn & U Precision (±)	0.8	pCi/L				E900.1	07/04/12 10:04 / lbb
Gross Alpha minus Rn & U MDC	0.5	pCi/L				E900.1	07/04/12 10:04 / 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: June Monthly Groundwater 2012
Lab ID: C12060935-007
Client Sample ID: MW-65_06192012

Report Date: 07/18/12
Collection Date: 06/19/12 10:55
DateReceived: 06/22/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - DISSOLVED							
Manganese	130	ug/L		10		E200.8	07/11/12 20:10 / 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: June Monthly Groundwater 2012
Lab ID: C12060935-008
Client Sample ID: Trip Blank 6746

Report Date: 07/18/12
Collection Date: 06/18/12
DateReceived: 06/22/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Acetone	ND	ug/L		20		SW8260B	06/28/12 15:28 / jk
Benzene	ND	ug/L		1.0		SW8260B	06/28/12 15:28 / jk
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	06/28/12 15:28 / jk
Chloroform	ND	ug/L		1.0		SW8260B	06/28/12 15:28 / jk
Chloromethane	ND	ug/L		1.0		SW8260B	06/28/12 15:28 / jk
Methyl ethyl ketone	ND	ug/L		20		SW8260B	06/28/12 15:28 / jk
Methylene chloride	ND	ug/L		1.0		SW8260B	06/28/12 15:28 / jk
Naphthalene	ND	ug/L		1.0		SW8260B	06/28/12 15:28 / jk
Toluene	ND	ug/L		1.0		SW8260B	06/28/12 15:28 / jk
Xylenes, Total	ND	ug/L		1.0		SW8260B	06/28/12 15:28 / jk
Surr: 1,2-Dichlorobenzene-d4	96.0	%REC		80-120		SW8260B	06/28/12 15:28 / jk
Surr: Dibromofluoromethane	86.0	%REC		70-130		SW8260B	06/28/12 15:28 / jk
Surr: p-Bromofluorobenzene	75.0	%REC	S	80-120		SW8260B	06/28/12 15:28 / jk
Surr: Toluene-d8	97.0	%REC		80-120		SW8260B	06/28/12 15:28 / 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: June Monthly Groundwater 2012
Lab ID: C12060935-009
Client Sample ID: Temp Blank

Report Date: 07/18/12
Collection Date: 06/21/12
DateReceived: 06/22/12
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	2.8	°C				E170.1	06/22/12 09:50 / kbh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

ANALYTICAL SUMMARY REPORT

July 18, 2012

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12060935 Quote ID: C1640 - POC Wells

Project Name: June Monthly Groundwater 2012

Energy Laboratories, Inc. Casper WY received the following 9 samples for Denison Mines USA Corp on 6/22/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12060935-001	MW-11_06192012	06/19/12 10:55	06/22/12	Aqueous	Metals by ICP-MS, Dissolved
C12060935-002	MW-25_06182012	06/18/12 11:00	06/22/12	Aqueous	Same As Above
C12060935-003	MW-26_06192012	06/19/12 10:15	06/22/12	Aqueous	Chloride Metals by ICP-MS, Dissolved Nitrogen, Nitrate + Nitrite Solids, Total Dissolved Solids, Total Dissolved - Calculated SW8260B VOCs, Standard List
C12060935-004	MW-30_06182012	06/18/12 14:45	06/22/12	Aqueous	Chloride Metals by ICP-MS, Dissolved Nitrogen, Nitrate + Nitrite
C12060935-005	MW-31_06182012	06/18/12 13:15	06/22/12	Aqueous	Cancelled Sample Chloride Nitrogen, Nitrate + Nitrite Sulfate
C12060935-006	MW-35_06192012	06/19/12 11:10	06/22/12	Aqueous	Metals by ICP-MS, Dissolved Gross Alpha minus Rn222 and Uranium
C12060935-007	MW-65_06192012	06/19/12 10:55	06/22/12	Aqueous	Metals by ICP-MS, Dissolved
C12060935-008	Trip Blank 6746	06/18/12 0:00	06/22/12	Aqueous	SW8260B VOCs, Standard List
C12060935-009	Temp Blank	06/21/12 0:00	06/22/12	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:

Kathryn Hamre
Report Proofing Specialist

Digitally signed by
Kathy Hamre
Date: 2012.07.18 09:28:25 -06:00

CLIENT: Denison Mines USA Corp
Project: June Monthly Groundwater 2012
Sample Delivery Group: C12060935

Report Date: 07/18/12

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: 07/18/12
Project: June Monthly Groundwater 2012
Work Order: C12060935

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C										Batch: TDS120622A
Sample ID: MB-1_120622A		Method Blank				Run: BAL-1_120622A				06/22/12 13:52
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	4						
Sample ID: LCS-2_120622A		Laboratory Control Sample				Run: BAL-1_120622A				06/22/12 13:52
Solids, Total Dissolved TDS @ 180 C		1100	mg/L	10	99	90	110			
Sample ID: C12060890-001A MS		Sample Matrix Spike				Run: BAL-1_120622A				06/22/12 14:08
Solids, Total Dissolved TDS @ 180 C		2140	mg/L	10	100	90	110			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/18/12
Project: June Monthly Groundwater 2012
Work Order: C12060935

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B									Batch: 120627-CL-TTR-W	
Sample ID: MBLK9-120627		Method Blank				Run: TITRATION_120627A			06/27/12 11:19	
Chloride		ND	mg/L	0.7						
Sample ID: C12060682-011AMS		Sample Matrix Spike				Run: TITRATION_120627A			06/27/12 13:52	
Chloride		35.5	mg/L	1.0	96	90	110			
Sample ID: C12060682-011AMSD		Sample Matrix Spike Duplicate				Run: TITRATION_120627A			06/27/12 13:53	
Chloride		34.8	mg/L	1.0	94	90	110	2.0	10	
Sample ID: LCS35-120627		Laboratory Control Sample				Run: TITRATION_120627A			06/27/12 13:57	
Chloride		3690	mg/L	1.0	104	90	110			
Sample ID: C12060931-001AMS		Sample Matrix Spike				Run: TITRATION_120627A			06/27/12 14:34	
Chloride		248	mg/L	1.0	96	90	110			
Sample ID: C12060931-001AMSD		Sample Matrix Spike Duplicate				Run: TITRATION_120627A			06/27/12 14:35	
Chloride		248	mg/L	1.0	96	90	110	0.0	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/18/12
Project: June Monthly Groundwater 2012
Work Order: C12060935

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-SO4 E									Batch: 120626_1_SO4-TURB-W	
Sample ID: LCS-1_120626		Laboratory Control Sample				Run: TURB-2_120626A			06/26/12 10:05	
Sulfate		4740	mg/L	100	99	90	110			
Sample ID: MBLK-1_120626		Method Blank				Run: TURB-2_120626A			06/26/12 10:07	
Sulfate		ND	mg/L	0.8						
Sample ID: C12060935-005AMS		Sample Matrix Spike				Run: TURB-2_120626A			06/26/12 11:40	
Sulfate		689	mg/L	10	100	90	110			
Sample ID: C12060935-005AMSD		Sample Matrix Spike Duplicate				Run: TURB-2_120626A			06/26/12 11:42	
Sulfate		692	mg/L	10	101	90	110	0.4	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/18/12
Project: June Monthly Groundwater 2012
Work Order: C12060935

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS2-C_120709A	
Sample ID: ICV		Initial Calibration Verification Standard							07/09/12 11:29	
Uranium		0.0527	mg/L	0.00030	105	90	110			
Method: E200.8									Batch: R161658	
Sample ID: LRB		Method Blank				Run: ICPMS2-C_120709A			07/09/12 11:39	
Uranium		2E-05	mg/L	1E-05						
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS2-C_120709A			07/09/12 11:41	
Uranium		0.0538	mg/L	0.00030	108	85	115			
Sample ID: C12061154-012BMS4		Sample Matrix Spike				Run: ICPMS2-C_120709A			07/09/12 13:50	
Uranium		0.0938	mg/L	0.00030	108	70	130			
Sample ID: C12061154-012BMSD		Sample Matrix Spike Duplicate				Run: ICPMS2-C_120709A			07/09/12 13:52	
Uranium		0.0939	mg/L	0.00030	108	70	130	0.1	20	
Method: E200.8									Analytical Run: ICPMS2-C_120710A	
Sample ID: ICV	2	Initial Calibration Verification Standard							07/10/12 14:20	
Selenium		0.0515	mg/L	0.0010	103	90	110			
Uranium		0.0520	mg/L	0.00030	104	90	110			
Method: E200.8									Batch: R161743	
Sample ID: LRB	2	Method Blank				Run: ICPMS2-C_120710A			07/10/12 14:35	
Selenium		ND	mg/L	0.0002						
Uranium		1E-05	mg/L	1E-05						
Sample ID: LFB	2	Laboratory Fortified Blank				Run: ICPMS2-C_120710A			07/10/12 14:37	
Selenium		0.0512	mg/L	0.0010	102	85	115			
Uranium		0.0518	mg/L	0.00030	104	85	115			
Sample ID: C12060935-004BMS	2	Sample Matrix Spike				Run: ICPMS2-C_120710A			07/10/12 19:57	
Selenium		0.0975	mg/L	0.0010	122	70	130			
Uranium		0.0654	mg/L	0.00030	115	70	130			
Sample ID: C12060935-004BMSD	2	Sample Matrix Spike Duplicate				Run: ICPMS2-C_120710A			07/10/12 20:00	
Selenium		0.0961	mg/L	0.0010	119	70	130	1.4	20	
Uranium		0.0624	mg/L	0.00030	109	70	130	4.7	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/18/12
Project: June Monthly Groundwater 2012
Work Order: C12060935

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Analytical Run: ICPMS4-C_120711A	
Sample ID: ICV	4	Initial Calibration Verification Standard							07/11/12 13:43	
Manganese		0.0505	mg/L	0.0010	101	90	110			
Selenium		0.0504	mg/L	0.0010	101	90	110			
Thallium		0.0493	mg/L	0.0010	99	90	110			
Uranium		0.0505	mg/L	0.00030	101	90	110			
Method: E200.8									Batch: R161811	
Sample ID: LRB	4	Method Blank				Run: ICPMS4-C_120711A			07/11/12 14:35	
Manganese		ND	mg/L	3E-05						
Selenium		ND	mg/L	7E-05						
Thallium		ND	mg/L	6E-05						
Uranium		ND	mg/L	9E-06						
Sample ID: LFB	4	Laboratory Fortified Blank				Run: ICPMS4-C_120711A			07/11/12 14:39	
Manganese		0.0516	mg/L	0.0010	103	85	115			
Selenium		0.0527	mg/L	0.0010	105	85	115			
Thallium		0.0500	mg/L	0.0010	100	85	115			
Uranium		0.0508	mg/L	0.00030	102	85	115			
Sample ID: C12060721-001FMS4	4	Sample Matrix Spike				Run: ICPMS4-C_120711A			07/11/12 21:05	
Manganese		0.0591	mg/L	0.0010	110	70	130			
Selenium		0.0511	mg/L	0.0010	100	70	130			
Thallium		0.0526	mg/L	0.00050	105	70	130			
Uranium		6.90	mg/L	0.00030		70	130			A
Sample ID: C12060721-001FMSD	4	Sample Matrix Spike Duplicate				Run: ICPMS4-C_120711A			07/11/12 21:09	
Manganese		0.0606	mg/L	0.0010	113	70	130	2.6	20	
Selenium		0.0567	mg/L	0.0010	111	70	130	10	20	
Thallium		0.0536	mg/L	0.00050	107	70	130	1.9	20	
Uranium		6.99	mg/L	0.00030		70	130	1.3	20	A

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: 07/18/12
Project: June Monthly Groundwater 2012
Work Order: C12060935

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R161240
Sample ID: MBLK-1		Method Blank				Run: TECHNICON_120627A				06/27/12 10:30
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.06						
Sample ID: LCS-2		Laboratory Control Sample				Run: TECHNICON_120627A				06/27/12 10:33
Nitrogen, Nitrate+Nitrite as N		2.56	mg/L	0.10	102	90	110			
Sample ID: LFB-3		Laboratory Fortified Blank				Run: TECHNICON_120627A				06/27/12 10:35
Nitrogen, Nitrate+Nitrite as N		1.97	mg/L	0.10	101	90	110			
Sample ID: C12060934-003BMS		Sample Matrix Spike				Run: TECHNICON_120627A				06/27/12 13:05
Nitrogen, Nitrate+Nitrite as N		2.45	mg/L	0.10	112	90	110			S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.										
Sample ID: C12060934-003BMSD		Sample Matrix Spike Duplicate				Run: TECHNICON_120627A				06/27/12 13:08
Nitrogen, Nitrate+Nitrite as N		2.41	mg/L	0.10	110	90	110	1.6	10	

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: Denison Mines USA Corp
Report Date: 07/18/12
Project: June Monthly Groundwater 2012
Work Order: C12060935

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.1										Batch: GA-0542
Sample ID: LCS-GA-0542		Laboratory Control Sample				Run: BERTHOLD 770-1_120629A				07/04/12 10:04
Gross Alpha minus Rn & U		23.0	pCi/L		113	70	130			
Sample ID: MB-GA-0542	3	Method Blank				Run: BERTHOLD 770-1_120629A				07/04/12 10:04
Gross Alpha minus Rn & U		-0.2	pCi/L							U
Gross Alpha minus Rn & U Precision (±)		0.2	pCi/L							
Gross Alpha minus Rn & U MDC		0.5	pCi/L							
Sample ID: C12061068-003CMS		Sample Matrix Spike				Run: BERTHOLD 770-1_120629A				07/04/12 11:44
Gross Alpha minus Rn & U		51.5	pCi/L		121	70	130			
Sample ID: C12061068-003CMSD		Sample Matrix Spike Duplicate				Run: BERTHOLD 770-1_120629A				07/04/12 11:44
Gross Alpha minus Rn & U		50.0	pCi/L		118	70	130	3.0	24.2	

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: Denison Mines USA Corp
Report Date: 07/18/12
Project: June Monthly Groundwater 2012
Work Order: C12060935

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R161356
Sample ID: 062812_LCS_4	15	Laboratory Control Sample				Run: SATURNCA_120628D				06/28/12 12:14
Benzene		9.6	ug/L	1.0	96	70	130			
Carbon tetrachloride		9.0	ug/L	1.0	90	70	130			
Chloroform		8.9	ug/L	1.0	89	70	130			
Chloromethane		8.3	ug/L	1.0	83	70	130			
m+p-Xylenes		20	ug/L	1.0	99	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			
o-Xylene		9.9	ug/L	1.0	99	70	130			
Toluene		9.8	ug/L	1.0	98	70	130			
Xylenes, Total		30	ug/L	1.0	99	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	93	80	120			
Surr: Dibromofluoromethane				1.0	85	70	130			
Surr: p-Bromofluorobenzene				1.0	88	80	130			
Surr: Toluene-d8				1.0	100	80	120			
Sample ID: 062812_MBLK_6	15	Method Blank				Run: SATURNCA_120628D				06/28/12 13:26
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	101	80	120			
Surr: Dibromofluoromethane				1.0	93	70	130			
Surr: p-Bromofluorobenzene				1.0	83	80	120			
Surr: Toluene-d8				1.0	93	80	120			
Sample ID: C12060818-001AMS	16	Sample Matrix Spike				Run: SATURNCA_120628D				06/28/12 20:20
Acetone		1900	ug/L	200	95	70	130			
Benzene		190	ug/L	10	97	70	130			
Carbon tetrachloride		190	ug/L	10	96	70	130			
Chloroform		190	ug/L	10	95	70	130			
Chloromethane		160	ug/L	10	82	70	130			
m+p-Xylenes		380	ug/L	10	95	70	130			
Methyl ethyl ketone		1900	ug/L	200	96	70	130			
Methylene chloride		200	ug/L	10	101	70	130			
Naphthalene		210	ug/L	10	105	70	130			
o-Xylene		200	ug/L	10	98	70	130			
Toluene		200	ug/L	10	95	70	130			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/18/12
Project: June Monthly Groundwater 2012
Work Order: C12060935

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B										Batch: R161356
Sample ID: C12060818-001AMS	16	Sample Matrix Spike				Run: SATURNCA_120628D				06/28/12 20:20
Xylenes, Total		570	ug/L	10	96	70	130			
Surr: 1,2-Dichlorobenzene-d4				1.0	101	80	120			
Surr: Dibromofluoromethane				1.0	93	70	130			
Surr: p-Bromofluorobenzene				1.0	90	80	120			
Surr: Toluene-d8				1.0	94	80	120			
Sample ID: C12060818-001AMSD	16	Sample Matrix Spike Duplicate				Run: SATURNCA_120628D				06/28/12 20:56
Acetone		2200	ug/L	200	112	70	130	17	20	
Benzene		200	ug/L	10	98	70	130	1.6	20	
Carbon tetrachloride		190	ug/L	10	97	70	130	1.2	20	
Chloroform		200	ug/L	10	101	70	130	6.1	20	
Chloromethane		170	ug/L	10	85	70	130	3.8	20	
m+p-Xylenes		390	ug/L	10	96	70	130	1.9	20	
Methyl ethyl ketone		2400	ug/L	200	118	70	130	20	20	R
Methylene chloride		210	ug/L	10	104	70	130	2.7	20	
Naphthalene		220	ug/L	10	110	70	130	5.2	20	
o-Xylene		200	ug/L	10	100	70	130	2.4	20	
Toluene		210	ug/L	10	101	70	130	5.9	20	
Xylenes, Total		590	ug/L	10	98	70	130	2.1	20	
Surr: 1,2-Dichlorobenzene-d4				1.0	100	80	120	0.0	10	
Surr: Dibromofluoromethane				1.0	92	70	130	0.0	10	
Surr: p-Bromofluorobenzene				1.0	86	80	120	0.0	10	
Surr: Toluene-d8				1.0	98	80	120	0.0	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.
R - RPD exceeds advisory 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

Denison Mines USA Corp

C12060935

Login completed by: Timothy I.. Houghteling

Date Received: 6/22/2012

Reviewed by: BL2000\kschroeder

Received by: kg

Reviewed Date: 6/22/2012

Carrier name: Next Day Air

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Container/Temp Blank temperature:	2.8°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

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:
Denison Mines	June Monthly Ground Water 2012	State: UT	Yes ☒ No ☐
Report Mail Address: PO Box 809 Blanding UT 84511	**Contact Name:** Garrin Palmer **Phone/Fax:** 435 678 2221	**Email:**	**Sampler: (Please Print)** Tanner Holliday
Invoice Address: Same	**Invoice Contact & Phone:** David Turk 435 678 2221	**Purchase Order:**	**Quote/Bottle Order:**

Special Report/Formats:

☐ DW ☐ POTW/WWTP ☐ State: _____ ☐ Other: _____

☐ EDD/EDT(Electronic Data) Format:_____ ☐ LEVEL IV ☐ NELAC

ANALYSIS REQUESTED

Number of Containers
Sample Type: A Air W Water S Soils/Solids V Vegetation B Bioassay O Other D DW - Drinking Water

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Manganese	Uranium	Nitrate + Nitrite	Chloro + Dichloro	Chloride	TDS	Selinium	Sulfate	Thallium	SEE ATTACHED Gross Alpha
1 MW-11_06192012	6/19/12	1055	1-W	X									
2 MW-25_06182012	6/18/12	1100	1-W		X								Gross Alpha
3 MW-26_06192012	6/19/12	1015	6-W		X	X	X	X	X				
4 MW-30_06182012	6/18/12	1445	3-W		X	X		X		X			
5 MW-31_06182012	6/18/12	1315	2-W			X		X	X		X		
6 MW-35_06192012	6/19/12	1110	1-W	X	X					X		X	X
7 MW-65_06192012	6/19/12	1055	1-W	X									
8 Trip Blank 6746	6/18/12												
9 Temp Blank													
10													

Standard Turnaround (TAT)

R U S H

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: FE-NOA

Cooler ID(s):

Receipt Temp 2.3 °C

On Ice: Y N

Custody Seal On Bottle Y N On Cooler Y N

Intact Y N

Signature Match Y N

LABORATORY USE ONLY C12060935

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Tanner Holliday	6/21/2012 1100	Tanner Holliday			
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory:	6-22-12 9:50	

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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

ANALYTICAL SUMMARY REPORT

July 06, 2012

Denison Mines USA Corp
6425 S Hwy 191
Blanding, UT 84511

Workorder No.: C12070037

Project Name: June Monthly Groundwater Re-Sample 2012

Energy Laboratories, Inc. Casper WY received the following 2 samples for Denison Mines USA Corp on 7/3/2012 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C12070037-001	MW-31_06292012	06/29/12 13:00	07/03/12	Groundwater	Solids, Total Dissolved
C12070037-002	Temp Blank	07/02/12 0:00	07/03/12	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: 2012.07.06 14:11:41 -06:00

CLIENT: Denison Mines USA Corp
Project: June Monthly Groundwater Re-Sample 2012
Sample Delivery Group: C12070037

Report Date: 07/06/12

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: Denison Mines USA Corp
Project: June Monthly Groundwater Re-Sample 2012
Lab ID: C12070037-001
Client Sample ID: MW-31_06292012

Report Date: 07/06/12
Collection Date: 06/29/12 13:00
DateReceived: 07/03/12
Matrix: Groundwater

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Solids, Total Dissolved TDS @ 180 C	1460	mg/L		10		A2540 C	07/03/12 15:15 / ab

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: June Monthly Groundwater Re-Sample 2012
Lab ID: C12070037-002
Client Sample ID: Temp Blank

Report Date: 07/06/12
Collection Date: 07/02/12
DateReceived: 07/03/12
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Temperature	2.8	°C				E170.1	07/06/12 11:05 / sdw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Casper, WY Branch

Client: Denison Mines USA Corp
Report Date: 07/06/12
Project: June Monthly Groundwater Re-Sample 2012
Work Order: C12070037

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C										Batch: TDS120703A
Sample ID: MB-1_120703A		Method Blank				Run: BAL-1_120703B				07/03/12 15:13
Solids, Total Dissolved TDS @ 180 C		ND	mg/L	10						
Sample ID: LCS-2_120703A		Laboratory Control Sample				Run: BAL-1_120703B				07/03/12 15:13
Solids, Total Dissolved TDS @ 180 C		1110	mg/L	10	100	90	110			
Sample ID: C12070025-001C MS		Sample Matrix Spike				Run: BAL-1_120703B				07/03/12 15:14
Solids, Total Dissolved TDS @ 180 C		1290	mg/L	10	100	90	110			
Sample ID: C12070051-003A DUP		Sample Duplicate				Run: BAL-1_120703B				07/03/12 15:16
Solids, Total Dissolved TDS @ 180 C		147	mg/L	10				0.0	5	

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

Denison Mines USA Corp — C12070037

Login completed by: Tracy Judge
Date Received: 7/3/2012
Reviewed by: BL2000\cwagner
Received by: km
Reviewed Date: 7/6/2012
Carrier name: NDA

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Container/Temp Blank temperature:	2.8°C On Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT (Provide as much information as possible.)

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
Energy Fuels	June monthly GW Re-sample 2012	State: UT	Yes ☒ No ☐
Report Mail Address: 6425 S. Hwy 191 Blanding, UT 84511	**Contact Name:** Garrin Palmer	**Phone/Fax:**	**Email:** gpalmer@energyfuels.com
			Sampler: (Please Print) Tanner Holliday
Invoice Address: Same	**Invoice Contact & Phone:** Same	**Purchase Order:**	**Quote/Bottle Order:**

Special Report/Formats:

☐ DW ☐ POTW/WWTP ☐ State: _____ ☐ Other: _____

☐ EDD/EDT (Electronic Data) Format: _____ ☐ LEVEL IV ☐ NELAC

Number of Containers
Sample Type: A Water S Soils/Solids V Vegetation B Bioassay O Other D Drinking Water

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	TDS	SEE ATTACHED
1 MW-31_06292012	6/29/12	1300	1-W	X	
2					
3					
4					
5					
6					
7					
8					
9					
10					

Standard Turnaround (TAT) → RUSH ☒

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: Fed Ex NDH
Cooler ID(s): Client
Receipt Temp IR-2 2.8 °C
On Ice: (Y) N
Custody Seal On Bottle Y (N) On Cooler (Y) N
Intact (Y) N
Signature Match (Y) N

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Garrin Palmer	7/2/12 / 1300	Garrin Palmer			

Sample Disposal: Return to Client: _____ Lab Disposal: _____

Received by Laboratory: Kati Miller 7/3/12 7:25

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-01	5/1/2012	180.7	185	Y	1818	1820	0.11	7.20	7.19	0.14	14.32	14.31	0.07	174	172	1.16	5.5	5.5	Y	0.00
MW-02	5/9/2012	113.1	120	Y	3670	3680	0.27	7.12	7.11	0.14	14.35	14.37	0.14	401	398	0.75	0	0	N	0.00
MW-03	5/14/2012	48.0	50	Y	5634	5652	0.32	6.67	6.67	0.00	15.32	15.31	0.07	405	401	0.99	0	0	N	0.00
MW-03A	5/15/2012	60.3	50	Pumped dry	5927		NC	6.68		NC	19.21		NC	434		NC	0		N	NC
MW-05	5/9/2012	192.1	200	Y	2977	2967	0.34	7.38	7.38	0.00	15.95	15.87	0.50	145	142	2.09	0	0	N	0.00
MW-11	5/8/2012	251.0	260	Y	2860.0	2862.0	0.07	7.5	7.49	0.13	15	15.00	0.00	100	99	1.01	0	0	N	0.00
MW-12	5/10/2012	130.5	130	Pumped dry	4179		NC	6.91		NC	15.61		NC	377		NC	16.0		Y	NC
MW-14	5/9/2012	144.9	170	Y	3920	3920	0.00	6.73	6.73	0.00	14.62	14.6	0.14	403	398	1.25	0	0	N	0.00
MW-15	5/9/2012	182.4	190	Y	4259	4266	0.16	6.64	6.63	0.15	15.61	15.49	0.77	299	298	0.34	0	0	N	0.00
MW-17	5/4/2012	219.7	220	Y	4207	4204	0.07	6.89	6.89	0.00	14.87	14.85	0.13	308	304	1.31	11.6	11.6	Y	0.00
MW-18	4/30/2012	380.1	385	Y	3742	3743	0.03	6.59	6.59	0.00	14.95	14.95	0.00	336	329	2.11	0	0	N	0.00
MW-19	5/16/2012	574.8	600	Y	1788	1786	0.11	6.85	6.86	0.15	14.99	14.97	0.13	377	370	1.87	2.7	2.7	N	0.00
MW-20	6/4/2012	N/A	N/A	Bailed dry.	6133	6193	0.97	8.27	9.07	9.23	17.5	17.91	2.32	296	234	23.40	4.3	355	Y	195.21
MW-22	5/3/2012	278.5	285	Y	7564	7550	0.19	5.05	5.05	0.00	15.49	15.49	0.00	401	394	1.76	15.2	15.2	Y	0.00
MW-23	5/16/2012	107.1	110	Y	3849		NC	6.74		NC	16.31		NC	295		NC	10.8		Y	NC
MW-24	5/10/2012	36.7	40	Y	4411		NC	6.21		NC	20.06		NC	298		NC	1.3		N	NC
MW-25	5/2/2012	244.3	250	Y	3233	3220	0.40	6.73	6.73	0.00	14.91	14.91	0.00	373	365	2.17	3.6	3.7	N	2.74
MW-26	5/7/2012	NA			3428		NC	7.00		NC	15.26		NC	208		NC	15.1		N	NC
MW-26 Resample	6/26/2012	NA			3425		NC	7.01		NC	15.24		NC	194		NC	0		N	NC
MW-27	5/1/2012	260.2	265	Y	1580	1583	0.19	7.03	7.03	0.00	15.38	15.40	0.13	296	294	0.68	0	0	N	0.00
MW-28	5/8/2012	196.2	200	Y	3970	3970	0.00	6.15	6.15	0.00	14.65	14.65	0.00	318	317	0.31	0	0	N	0.00
MW-29	5/8/2012	149.3	150	Y	4653	4680	0.58	6.47	6.47	0.00	15.38	15.36	0.13	211	211	0.00	12.6	12.7	Y	0.79
MW-30	5/2/2012	204.9	220	Y	2052	2050	0.10	6.95	6.95	0.00	15.00	15.01	0.07	239	236	1.26	0	0	N	0.00
MW-31	5/2/2012	368.9	385	Y	1900	1907	0.37	7.19	7.19	0.00	15.21	15.18	0.20	316	313	0.95	1.4	1.4	N	0.00
MW-32	4/30/2012	342.1	380	Y	3853	3869	0.41	6.40	6.40	0.00	15.30	15.29	0.07	206	205	0.49	9.1	9.2	Y	1.09
MW-35	5/2/2012	73.1	75	Y	4155	4151	0.10	6.61	6.61	0.00	15.29	15.25	0.26	274	270	1.47	0	0	N	0.00
MW-36	5/8/2012	65.0	85	Y	4973	4972	0.02	7.10	7.1	0.00	14.29	14.29	0.00	302	301	0.33	0	0	N	0.00
MW-37	5/15/2012	N/A	N/A	Bailed dry.	4435		NC	6.65		NC	15.91		NC	421		NC	44		Y	NC

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements less than 5 NTU are included for information purposes only.

MW-26 is a continuously pumped well.

Well was purged dry. Wells MW-03A, MW-12, MW-23, MW-24, and MW-37 were sampled prior to the approval of the revised QAPs, Revisions 7.1 and 7.2 and as such the field parameter measurement procedures were in accordance with the approved QAP, Revision 6, which did not require parameters prior to and subsequenet to sample collection.

N/A = The amount of water in the well was insufficient to purge. The pump was not able to operate due to the minimal amount of water. The well was sampled with a bailer.

RPD >10%. Per the revised QAPs Revisions 7.1 and 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 paramters 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..

NC = Not calculated.

Well was purged dry after 2 casing volumes were removed.

G-1B: Acelerated Field Data QA/QC Evaluation

Well	Sample Date	Time Req'd for 2 Casings	Time Pumped (min)	Amount Sufficient?	Conductance		RPD(%)	pH		RPD(%)	Temp (°C)		RPD(%)	Redox Potential (Eh)		RPD(%)	Turbidity (NTU)		<5 (NTU)	RPD(%)
Accelerated May Monthly																				
MW-11	4/10/2012	250.8	270	Y	2876	2879	0.10	7.66	7.66	0.00	15.20	15.19	0.07	91	90	1.10	0	0	Y	0.00
MW-14	4/12/2012	149.9	180	Y	3937	3936	0.03	6.97	6.97	0.00	14.07	14.08	0.07	274	274	0.00	0	0	Y	0.00
MW-25	4/9/2012	242.4	250	Y	3268	3270	0.06	6.58	6.58	0.00	14.93	14.93	0.00	377	373	1.07	440	405	N	8.28
MW-26	4/11/2012	NA			3393		NC	6.88		NC	15.07		NC	182		NC	0		Y	0.00
MW-30	4/10/2012	199.8	210	Y	2069	2066	0.15	7.04	7.05	0.14	14.60	14.64	0.27	330	315	4.65	0	0	Y	0.00
MW-31	4/9/2012	366.8	370	Y	1930	1934	0.21	7.15	7.14	0.14	15.28	15.25	0.20	379	369	2.67	285	287	N	0.70
MW-35	4/10/2012	72.2	75	Y	4115	4110	0.12	6.85	6.84	0.15	15.78	15.8	0.13	246	244	0.82	0	0	Y	0.00
Accelerated June Monthly																				
MW-11	6/19/2012	254.0	255.0	Y	2867	2861	0.21	7.82	7.82	0.00	15.40	15.40	0.00	109	108	0.92	0	0	Y	0.00
MW-14	6/19/2012	151.4	160.0	Y	3936	3937	0.03	6.90	6.90	0.00	15.19	15.13	0.40	382	373	2.38	0	0	Y	0.00
MW-25	6/18/2012	249.2	250.0	Y	3246	3242	0.12	7.00	6.99	0.14	15.46	15.46	0.00	344	339	1.46	1.6	1.6	Y	0.00
MW-26	6/19/2012	NA			3413		NC	7.00		NC	15.23		NC	220		NC	1.5		Y	0.00
MW-30	6/18/2012	206.1	210	Y	2055	2064	0.44	7.14	7.10	0.56	15.66	15.69	0.19	267	262	1.89	0	0	Y	0.00
MW-31	6/18/2012	373.9	375	Y	1941	1937	0.21	7.26	7.28	0.28	15.63	15.65	0.13	382	371	2.92	27	28	Y	0.00
MW-31 Resample	6/29/2012	372.8	375	Y	1940	1945	0.26	7.63	7.63	0.00	15.44	15.50	0.39	299	296	1.01	2.7	2.8	Y	0.00
MW-35	6/19/2012	74.0	75	Y	4185	4184	0.02	6.90	6.90	0.00	15.65	15.67	0.13	200	200	0.00	0	0	Y	0.00

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted

MW-26 is a continuously pumped well.

G-2A: Holding Time Evaluation

Constituent	QAP Holding Time	MW-1 5/1/12	MW-2 5/9/2012	MW-3 5/14/2012	MW-3A 5/15/2012
2-Butanone (MEK)	14 days	8 days	6 days	10 days	9 days
Acetone	14 days	8 days	6 days	10 days	9 days
Ammonia (as N)	28 days	10 days	5 days	7 days	6 days
Arsenic	6 months	7 days	12 days	7 days	49 days
Benzene	14 days	8 days	6 days	10 days	9 days
Beryllium	6 months	8 days	12 days	7 days	49 days
Cadmium	6 months	7 days	12 days	7 days	49 days
Carbon Tetrachloride	14 days	8 days	6 days	10 days	9 days
Chloride (mg/L)	28 days	7 days	8 days	16 days	15 days
Chloroform	14 days	8 days	6 days	10 days	9 days
Chloromethane	14 days	8 days	6 days	10 days	9 days
Chromium	6 months	8 days	12 days	7 days	49 days
Cobalt	6 months	8 days	12 days	7 days	49 days
Copper	6 months	7 days	12 days	7 days	49 days
Dichloromethane (Methylene Chlori	14 days	8 days	6 days	10 days	9 days
Fluoride (Mg/L)	28 days	6 days	2 days	4 days	3 days
Gross Alpha minus Rn & U MDC	6 months	17 days	26 days	16 days	15 days
Gross Alpha minus Rn & U Precisio	6 months	17 days	26 days	16 days	15 days
Gross Alpha minus Rn & U	6 months	17 days	26 days	16 days	15 days
Iron	6 months	9 days	2 days	7 days	6 days
Lab pH (S.U.)	--	3 days	2 days	7 days	6 days
Lead	6 months	7 days	12 days	9 days	49 days
Manganese	6 months	8 days	12 days	7 days	49 days
Mercury	28 days	7 days	12 days	9 days	6 days
Molybdenum	6 months	7 days	12 days	7 days	49 days
Naphthalene	14 days	8 days	6 days	10 days	9 days
Nickel	6 months	7 days	12 days	7 days	49 days
Nitrate + Nitrite (as N)	28 days	6 days	7 days	8 days	7 days
Selenium	6 months	7 days	12 days	7 days	49 days
Silver	6 months	8 days	12 days	7 days	49 days
Sulfate (mg/L)	28 days	9 days	9 days	9 days	8 days
TDS (mg/L)	7 days	3 days	2 days	7 days	6 days
Tetrahydrofuran	14 days	3 days	2 days	--	3 days
Thallium	6 months	7 days	12 days	56 days	49 days
Tin	6 months	49 days	21 days	16 days	15 days
Toluene	14 days	8 days	6 days	10 days	9 days
Uranium	6 months	7 days	12 days	9 days	49 days
Vanadium	6 months	8 days	12 days	7 days	49 days
Xylenes (total)	14 days	8 days	6 days	10 days	9 days
Zinc	6 months	7 days	12 days	7 days	49 days
Anions BALANCE-W	--	14 days	12 days	18 days	17 days
Bicarbonate as HCO3	14 days	3 days	2 days	5 days	4 days
Calcium	6 months	9 days	2 days	7 days	6 days
Carbonate as CO3	14 days	3 days	2 days	5 days	4 days
Cations BALANCE-W	--	14 days	12 days	18 days	17 days
Magnesium	6 months	9 days	2 days	7 days	6 days
Potassium	6 months	10 days	2 days	7 days	6 days
Sodium	6 months	10 days	2 days	7 days	6 days

G-2A: Holding Time Evaluation

Constituent	QAP Holding Time	MW-5 5/9/2012	MW-11 5/8/2012	MW-12 5/10/2012	MW-5/9/2012
2-Butanone (MEK)	14 days	6 days	7 days	5 days	6 days
Acetone	14 days	6 days	7 days	5 days	6 days
Ammonia (as N)	28 days	5 days	6 days	4 days	5 days
Arsenic	6 months	12 days	13 days	11 days	2 days
Benzene	14 days	6 days	7 days	5 days	6 days
Beryllium	6 months	6 days	13 days	11 days	2 days
Cadmium	6 months	12 days	13 days	11 days	2 days
Carbon Tetrachloride	14 days	6 days	7 days	5 days	6 days
Chloride (mg/L)	28 days	8 days	9 days	7 days	8 days
Chloroform	14 days	6 days	7 days	5 days	6 days
Chloromethane	14 days	6 days	7 days	5 days	6 days
Chromium	6 months	12 days	13 days	11 days	2 days
Cobalt	6 months	12 days	13 days	11 days	2 days
Copper	6 months	12 days	13 days	11 days	2 days
Dichloromethane (Methylene Chlori	14 days	6 days	7 days	5 days	6 days
Fluoride (Mg/L)	28 days	2 days	3 days	1 days	2 days
Gross Alpha minus Rn & U MDC	6 months	26 days	27 days	25 days	26 days
Gross Alpha minus Rn & U Precisio	6 months	26 days	27 days	25 days	26 days
Gross Alpha minus Rn & U	6 months	26 days	27 days	25 days	26 days
Iron	6 months	2 days	3 days	1 days	2 days
Lab pH (S.U.)	--	2 days	3 days	1 days	2 days
Lead	6 months	12 days	13 days	11 days	2 days
Manganese	6 months	12 days	13 days	11 days	2 days
Mercury	28 days	12 days	13 days	11 days	2 days
Molybdenum	6 months	12 days	13 days	11 days	2 days
Naphthalene	14 days	6 days	7 days	5 days	6 days
Nickel	6 months	12 days	13 days	11 days	2 days
Nitrate + Nitrite (as N)	28 days	7 days	8 days	6 days	7 days
Selenium	6 months	12 days	13 days	11 days	2 days
Silver	6 months	12 days	13 days	11 days	2 days
Sulfate (mg/L)	28 days	9 days	10 days	8 days	9 days
TDS (mg/L)	7 days	2 days	3 days	1 days	2 days
Tetrahydrofuran	14 days	2 days	3 days	1 days	2 days
Thallium	6 months	12 days	13 days	11 days	2 days
Tin	6 months	21 days	22 days	20 days	21 days
Toluene	14 days	6 days	7 days	5 days	6 days
Uranium	6 months	12 days	13 days	11 days	2 days
Vanadium	6 months	12 days	13 days	11 days	2 days
Xylenes (total)	14 days	6 days	7 days	5 days	6 days
Zinc	6 months	12 days	13 days	11 days	2 days
Anions BALANCE-W	--	12 days	13 days	11 days	12 days
Bicarbonate as HCO3	14 days	2 days	3 days	1 days	2 days
Calcium	6 months	2 days	3 days	1 days	2 days
Carbonate as CO3	14 days	2 days	3 days	1 days	2 days
Cations BALANCE-W	--	12 days	13 days	11 days	12 days
Magnesium	6 months	2 days	3 days	1 days	2 days
Potassium	6 months	2 days	3 days	1 days	2 days
Sodium	6 months	2 days	3 days	1 days	2 days

G-2A: Holding Time Evaluation

Constituent	QAP Holding Time	MW-15 5/9/2012	MW-17 5/4/2012	MW-18 4/30/2012	MW-19 5/16/2012
2-Butanone (MEK)	14 days	6 days	7 days	9 days	8 days
Acetone	14 days	6 days	7 days	9 days	8 days
Ammonia (as N)	28 days	5 days	7 days	11 days	5 days
Arsenic	6 months	2 days	6 days	9 days	5 days
Benzene	14 days	6 days	7 days	9 days	8 days
Beryllium	6 months	2 days	6 days	9 days	5 days
Cadmium	6 months	2 days	6 days	8 days	5 days
Carbon Tetrachloride	14 days	6 days	7 days	9 days	8 days
Chloride (mg/L)	28 days	8 days	13 days	8 days	14 days
Chloroform	14 days	6 days	7 days	9 days	8 days
Chloromethane	14 days	6 days	7 days	9 days	8 days
Chromium	6 months	2 days	6 days	9 days	5 days
Cobalt	6 months	2 days	6 days	9 days	5 days
Copper	6 months	2 days	6 days	9 days	5 days
Dichloromethane (Methylene Chlori	14 days	6 days	7 days	9 days	8 days
Fluoride (Mg/L)	28 days	2 days	5 days	7 days	2 days
Gross Alpha minus Rn & U MDC	6 months	26 days	14 days	18 days	14 days
Gross Alpha minus Rn & U Precisio	6 months	26 days	14 days	18 days	14 days
Gross Alpha minus Rn & U	6 months	26 days	14 days	18 days	14 days
Iron	6 months	2 days	6 days	10 days	5 days
Lab pH (S.U.)	--	2 days	4 days	4 days	5 days
Lead	6 months	2 days	6 days	8 days	5 days
Manganese	6 months	2 days	6 days	9 days	5 days
Mercury	28 days	2 days	6 days	8 days	5 days
Molybdenum	6 months	2 days	6 days	8 days	5 days
Naphthalene	14 days	6 days	7 days	9 days	8 days
Nickel	6 months	2 days	6 days	9 days	5 days
Nitrate + Nitrite (as N)	28 days	7 days	4 days	7 days	6 days
Selenium	6 months	2 days	6 days	9 days	5 days
Silver	6 months	2 days	6 days	9 days	5 days
Sulfate (mg/L)	28 days	9 days	6 days	10 days	7 days
TDS (mg/L)	7 days	2 days	5 days	4 days	5 days
Tetrahydrofuran	14 days	2 days	4 days	4 days	2 days
Thallium	6 months	2 days	6 days	8 days	5 days
Tin	6 months	21 days	26 days	50 days	14 days
Toluene	14 days	6 days	7 days	9 days	8 days
Uranium	6 months	2 days	6 days	8 days	5 days
Vanadium	6 months	2 days	6 days	9 days	5 days
Xylenes (total)	14 days	6 days	7 days	9 days	8 days
Zinc	6 months	2 days	6 days	23 days	5 days
Anions BALANCE-W	--	12 days	14 days	15 days	16 days
Bicarbonate as HCO3	14 days	2 days	4 days	4 days	3 days
Calcium	6 months	2 days	6 days	11 days	5 days
Carbonate as CO3	14 days	2 days	4 days	4 days	3 days
Cations BALANCE-W	--	12 days	14 days	15 days	16 days
Magnesium	6 months	2 days	6 days	11 days	5 days
Potassium	6 months	2 days	7 days	11 days	5 days
Sodium	6 months	2 days	7 days	11 days	5 days

G-2A: Holding Time Evaluation

Constituent	QAP Holding Time	MW-20 6/4/2012	MW-22 5/3/2012	MW-23 5/16/2012	MW-24 5/10/2012
2-Butanone (MEK)	14 days	8 days	7 days	8 days	5 days
Acetone	14 days	8 days	7 days	8 days	5 days
Ammonia (as N)	28 days	5 days	7 days	5 days	4 days
Arsenic	6 months	12 days	6 days	5 days	1 days
Benzene	14 days	8 days	7 days	8 days	5 days
Beryllium	6 months	16 days	6 days	5 days	1 days
Cadmium	6 months	12 days	6 days	5 days	1 days
Carbon Tetrachloride	14 days	8 days	7 days	8 days	5 days
Chloride (mg/L)	28 days	10 days	13 days	14 days	7 days
Chloroform	14 days	8 days	7 days	8 days	5 days
Chloromethane	14 days	8 days	7 days	8 days	5 days
Chromium	6 months	16 days	6 days	5 days	1 days
Cobalt	6 months	16 days	6 days	5 days	1 days
Copper	6 months	12 days	6 days	5 days	1 days
Dichloromethane (Methylene Chlori	14 days	8 days	7 days	8 days	5 days
Fluoride (Mg/L)	28 days	7 days	5 days	2 days	1 days
Gross Alpha minus Rn & U MDC	6 months	8 days	14 days	14 days	25 days
Gross Alpha minus Rn & U Precisio	6 months	8 days	14 days	14 days	25 days
Gross Alpha minus Rn & U	6 months	8 days	14 days	14 days	25 days
Iron	6 months	11 days	6 days	5 days	1 days
Lab pH (S.U.)	--	4 days	4 days	5 days	1 days
Lead	6 months	12 days	6 days	7 days	1 days
Manganese	6 months	16 days	6 days	5 days	1 days
Mercury	28 days	12 days	6 days	5 days	1 days
Molybdenum	6 months	12 days	6 days	5 days	1 days
Naphthalene	14 days	8 days	7 days	8 days	5 days
Nickel	6 months	12 days	6 days	5 days	1 days
Nitrate + Nitrite (as N)	28 days	7 days	4 days	6 days	6 days
Selenium	6 months	12 days	6 days	5 days	1 days
Silver	6 months	12 days	6 days	5 days	1 days
Sulfate (mg/L)	28 days	7 days	6 days	7 days	8 days
TDS (mg/L)	7 days	4 days	5 days	5 days	1 days
Tetrahydrofuran	14 days	4 days	--	2 days	1 days
Thallium	6 months	16 days	6 days	7 days	1 days
Tin	6 months	4 days	--	14 days	20 days
Toluene	14 days	8 days	7 days	8 days	5 days
Uranium	6 months	16 days	6 days	7 days	1 days
Vanadium	6 months	16 days	6 days	5 days	1 days
Xylenes (total)	14 days	8 days	7 days	8 days	5 days
Zinc	6 months	12 days	6 days	5 days	1 days
Anions BALANCE-W	--	29 days	14 days	16 days	11 days
Bicarbonate as HCO3	14 days	4 days	4 days	3 days	1 days
Calcium	6 months	11 days	6 days	5 days	1 days
Carbonate as CO3	14 days	4 days	4 days	3 days	1 days
Cations BALANCE-W	--	29 days	14 days	16 days	11 days
Magnesium	6 months	11 days	6 days	5 days	1 days
Potassium	6 months	11 days	7 days	5 days	1 days
Sodium	6 months	11 days	7 days	5 days	1 days

G-2A: Holding Time Evaluation

Constituent	QAP Holding Time	MW-25 5/2/2012	MW-26 5/7/2012	MW-26 6/26/2012	MW-27 5/1/2012
2-Butanone (MEK)	14 days	7 days	--	11 days	8 days
Acetone	14 days	7 days	--	11 days	8 days
Ammonia (as N)	28 days	9 days	4 days	--	10 days
Arsenic	6 months	6 days	3 days	--	8 days
Benzene	14 days	7 days	--	11 days	8 days
Beryllium	6 months	7 days	3 days	--	8 days
Cadmium	6 months	6 days	3 days	--	7 days
Carbon Tetrachloride	14 days	7 days	--	11 days	8 days
Chloride (mg/L)	28 days	6 days	23 days	--	7 days
Chloroform	14 days	7 days	--	11 days	8 days
Chloromethane	14 days	7 days	--	11 days	8 days
Chromium	6 months	7 days	3 days	--	8 days
Cobalt	6 months	21 days	3 days	--	8 days
Copper	6 months	6 days	3 days	--	8 days
Dichloromethane (Methylene Chlori	14 days	7 days	--	11 days	8 days
Fluoride (Mg/L)	28 days	5 days	2 days	--	6 days
Gross Alpha minus Rn & U MDC	6 months	16 days	11 days	--	17 days
Gross Alpha minus Rn & U Precisio	6 months	16 days	11 days	--	17 days
Gross Alpha minus Rn & U	6 months	16 days	11 days	--	17 days
Iron	6 months	8 days	3 days	--	9 days
Lab pH (S.U.)	--	2 days	1 days	--	3 days
Lead	6 months	6 days	3 days	--	7 days
Manganese	6 months	21 days	3 days	--	8 days
Mercury	28 days	6 days	3 days	--	7 days
Molybdenum	6 months	6 days	3 days	--	7 days
Naphthalene	14 days	7 days	--	11 days	8 days
Nickel	6 months	6 days	3 days	--	8 days
Nitrate + Nitrite (as N)	28 days	5 days	1 days	--	6 days
Selenium	6 months	6 days	3 days	--	8 days
Silver	6 months	7 days	3 days	--	8 days
Sulfate (mg/L)	28 days	8 days	3 days	--	9 days
TDS (mg/L)	7 days	2 days	2 days	--	3 days
Tetrahydrofuran	14 days	2 days	1 days	--	3 days
Thallium	6 months	6 days	3 days	--	7 days
Tin	6 months	48 days	23 days	--	49 days
Toluene	14 days	7 days	--	11 days	8 days
Uranium	6 months	6 days	3 days	--	7 days
Vanadium	6 months	7 days	3 days	--	8 days
Xylenes (total)	14 days	7 days	--	11 days	8 days
Zinc	6 months	6 days	3 days	--	22 days
Anions BALANCE-W	--	13 days	29 days	--	14 days
Bicarbonate as HCO3	14 days	2 days	1 days	--	3 days
Calcium	6 months	9 days	3 days	--	9 days
Carbonate as CO3	14 days	2 days	1 days	--	3 days
Cations BALANCE-W	--	13 days	29 days	--	14 days
Magnesium	6 months	9 days	3 days	--	9 days
Potassium	6 months	9 days	4 days	--	10 days
Sodium	6 months	9 days	4 days	--	10 days

G-2A: Holding Time Evaluation

Constituent	QAP Holding Time	MW-28 5/8/2012	MW-29 5/8/2012	MW-30 5/2/2012	MW-31 5/2/2012
2-Butanone (MEK)	14 days	8 days	8 days	7 days	7 days
Acetone	14 days	8 days	8 days	7 days	7 days
Ammonia (as N)	28 days	6 days	6 days	9 days	9 days
Arsenic	6 months	3 days	3 days	7 days	6 days
Benzene	14 days	8 days	8 days	7 days	7 days
Beryllium	6 months	3 days	3 days	7 days	6 days
Cadmium	6 months	3 days	3 days	6 days	6 days
Carbon Tetrachloride	14 days	8 days	8 days	7 days	7 days
Chloride (mg/L)	28 days	9 days	9 days	6 days	6 days
Chloroform	14 days	8 days	8 days	7 days	7 days
Chloromethane	14 days	8 days	8 days	7 days	7 days
Chromium	6 months	3 days	3 days	7 days	6 days
Cobalt	6 months	3 days	3 days	7 days	6 days
Copper	6 months	3 days	3 days	7 days	6 days
Dichloromethane (Methylene Chlori	14 days	8 days	8 days	7 days	7 days
Fluoride (Mg/L)	28 days	3 days	3 days	5 days	5 days
Gross Alpha minus Rn & U MDC	6 months	27 days	27 days	16 days	16 days
Gross Alpha minus Rn & U Precisio	6 months	27 days	27 days	16 days	16 days
Gross Alpha minus Rn & U	6 months	27 days	27 days	16 days	16 days
Iron	6 months	3 days	3 days	8 days	8 days
Lab pH (S.U.)	--	3 days	3 days	2 days	2 days
Lead	6 months	3 days	3 days	6 days	6 days
Manganese	6 months	3 days	3 days	7 days	6 days
Mercury	28 days	3 days	3 days	6 days	6 days
Molybdenum	6 months	3 days	3 days	6 days	6 days
Naphthalene	14 days	8 days	8 days	7 days	7 days
Nickel	6 months	3 days	3 days	7 days	6 days
Nitrate + Nitrite (as N)	28 days	8 days	8 days	5 days	5 days
Selenium	6 months	3 days	3 days	7 days	6 days
Silver	6 months	3 days	3 days	7 days	7 days
Sulfate (mg/L)	28 days	10 days	10 days	8 days	8 days
TDS (mg/L)	7 days	3 days	3 days	2 days	2 days
Tetrahydrofuran	14 days	3 days	3 days	2 days	2 days
Thallium	6 months	3 days	3 days	6 days	6 days
Tin	6 months	22 days	22 days	48 days	48 days
Toluene	14 days	8 days	8 days	7 days	7 days
Uranium	6 months	3 days	3 days	6 days	6 days
Vanadium	6 months	3 days	3 days	7 days	6 days
Xylenes (total)	14 days	8 days	8 days	7 days	7 days
Zinc	6 months	3 days	3 days	21 days	6 days
Anions BALANCE-W	--	13 days	13 days	13 days	13 days
Bicarbonate as HCO3	14 days	3 days	3 days	2 days	2 days
Calcium	6 months	3 days	3 days	8 days	8 days
Carbonate as CO3	14 days	3 days	3 days	2 days	2 days
Cations BALANCE-W	--	13 days	13 days	13 days	13 days
Magnesium	6 months	3 days	3 days	8 days	8 days
Potassium	6 months	3 days	3 days	9 days	9 days
Sodium	6 months	3 days	3 days	9 days	9 days

G-2A: Holding Time Evaluation

Constituent	QAP Holding Time	MW-32 4/30/2012	MW-35 4/12/2011	MW-36 5/8/2012	MW-37 05/29/2012
2-Butanone (MEK)	14 days	9 days	7 days	8 days	7 days
Acetone	14 days	9 days	7 days	8 days	7 days
Ammonia (as N)	28 days	11 days	9 days	6 days	10 days
Arsenic	6 months	8 days	6 days	3 days	21 days
Benzene	14 days	9 days	7 days	8 days	7 days
Beryllium	6 months	8 days	8 days	3 days	21 days
Cadmium	6 months	8 days	6 days	3 days	21 days
Carbon Tetrachloride	14 days	9 days	7 days	8 days	7 days
Chloride (mg/L)	28 days	8 days	6 days	9 days	16 days
Chloroform	14 days	9 days	7 days	8 days	7 days
Chloromethane	14 days	9 days	7 days	8 days	7 days
Chromium	6 months	8 days	7 days	3 days	21 days
Cobalt	6 months	8 days	7 days	3 days	21 days
Copper	6 months	8 days	6 days	3 days	21 days
Dichloromethane (Methylene Chlori	14 days	9 days	7 days	8 days	7 days
Fluoride (Mg/L)	28 days	7 days	5 days	3 days	7 days
Gross Alpha minus Rn & U MDC	6 months	18 days	16 days	27 days	7 days
Gross Alpha minus Rn & U Precisio	6 months	18 days	16 days	27 days	7 days
Gross Alpha minus Rn & U	6 months	18 days	16 days	27 days	7 days
Iron	6 months	10 days	8 days	3 days	9 days
Lab pH (S.U.)	--	4 days	2 days	3 days	6 days
Lead	6 months	8 days	6 days	3 days	21 days
Manganese	6 months	8 days	7 days	3 days	21 days
Mercury	28 days	8 days	6 days	3 days	21 days
Molybdenum	6 months	8 days	7 days	3 days	21 days
Naphthalene	14 days	9 days	7 days	8 days	7 days
Nickel	6 months	8 days	7 days	3 days	21 days
Nitrate + Nitrite (as N)	28 days	7 days	5 days	8 days	3 days
Selenium	6 months	8 days	6 days	3 days	21 days
Silver	6 months	9 days	7 days	3 days	21 days
Sulfate (mg/L)	28 days	10 days	8 days	10 days	6 days
TDS (mg/L)	7 days	4 days	2 days	3 days	6 days
Tetrahydrofuran	14 days	4 days	2 days	3 days	3 days
Thallium	6 months	8 days	6 days	3 days	21 days
Tin	6 months	50 days	48 days	22 days	3 days
Toluene	14 days	9 days	7 days	8 days	7 days
Uranium	6 months	8 days	6 days	3 days	21 days
Vanadium	6 months	8 days	7 days	3 days	21 days
Xylenes (total)	14 days	9 days	7 days	8 days	7 days
Zinc	6 months	23 days	8 days	3 days	21 days
Anions BALANCE-W	--	15 days	13 days	13 days	27 days
Bicarbonate as HCO3	14 days	4 days	2 days	3 days	7 days
Calcium	6 months	10 days	8 days	3 days	9 days
Carbonate as CO3	14 days	4 days	2 days	3 days	7 days
Cations BALANCE-W	--	15 days	13 days	13 days	27 days
Magnesium	6 months	10 days	8 days	3 days	9 days
Potassium	6 months	11 days	9 days	3 days	9 days
Sodium	6 months	11 days	9 days	3 days	9 days

G-2A: Holding Time Evaluation

Constituent	QAP Holding Time	MW-65 5/7/2012	MW-65 06/26/2012	MW-70 5/16/2012
2-Butanone (MEK)	14 days	--	11 days	8 days
Acetone	14 days	--	11 days	8 days
Ammonia (as N)	28 days	4 days	--	5 days
Arsenic	6 months	3 days	--	5 days
Benzene	14 days	--	11 days	8 days
Beryllium	6 months	3 days	--	5 days
Cadmium	6 months	3 days	--	5 days
Carbon Tetrachloride	14 days	--	11 days	8 days
Chloride (mg/L)	28 days	10 days	--	14 days
Chloroform	14 days	--	11 days	8 days
Chloromethane	14 days	--	11 days	8 days
Chromium	6 months	3 days	--	5 days
Cobalt	6 months	3 days	--	5 days
Copper	6 months	3 days	--	5 days
Dichloromethane (Methylene Chlori	14 days	--	11 days	8 days
Fluoride (Mg/L)	28 days	2 days	--	2 days
Gross Alpha minus Rn & U MDC	6 months	12 days	--	15 days
Gross Alpha minus Rn & U Precisio	6 months	12 days	--	15 days
Gross Alpha minus Rn & U	6 months	12 days	--	15 days
Iron	6 months	3 days	--	5 days
Lab pH (S.U.)	--	1 days	--	5 days
Lead	6 months	3 days	--	5 days
Manganese	6 months	3 days	--	5 days
Mercury	28 days	3 days	--	5 days
Molybdenum	6 months	3 days	--	5 days
Naphthalene	14 days	--	11 days	8 days
Nickel	6 months	3 days	--	5 days
Nitrate + Nitrite (as N)	28 days	1 days	--	6 days
Selenium	6 months	3 days	--	5 days
Silver	6 months	3 days	--	5 days
Sulfate (mg/L)	28 days	3 days	--	7 days
TDS (mg/L)	7 days	2 days	--	5 days
Tetrahydrofuran	14 days	1 days	--	2 days
Thallium	6 months	3 days	--	5 days
Tin	6 months	23 days	--	14 days
Toluene	14 days	--	11 days	8 days
Uranium	6 months	3 days	--	5 days
Vanadium	6 months	3 days	--	5 days
Xylenes (total)	14 days	--	11 days	8 days
Zinc	6 months	3 days	--	5 days
Anions BALANCE-W	--	11 days	--	16 days
Bicarbonate as HCO3	14 days	1 days	--	3 days
Calcium	6 months	3 days	--	5 days
Carbonate as CO3	14 days	1 days	--	3 days
Cations BALANCE-W	--	11 days	--	16 days
Magnesium	6 months	3 days	--	5 days
Potassium	6 months	4 days	--	5 days
Sodium	6 months	4 days	--	5 days

G-2B: Holding Time Evaluation - Accelerated samples

Constituent	QAP Holding Time	MW-11 4/10/12	MW-14 4/12/2012	MW-25 4/9/2012
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	--	--	--
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	6 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	3 days	--	--
Thallium	6 months	--	--	--
Tin	6 months	--	--	--
Toluene	14 days	--	--	--
Uranium	6 months	--	--	7 days
Vanadium	6 months	--	--	--
Xylenes (total)	14 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-26 4/11/2012	MW-30 4/10/2012	MW-31 4/9/2012
2-Butanone (MEK)	14 days	7 days	--	--
Acetone	14 days	7 days	--	--
Ammonia (as N)	28 days	--	--	--
Arsenic	6 months	--	--	--
Benzene	14 days	7 days	--	--
Beryllium	6 months	--	--	--
Cadmium	6 months	--	--	--
Carbon Tetrachloride	14 days	7 days	--	--
Chloride (mg/L)	28 days	15 days	16 days	17 days
Chloroform	14 days	7 days	--	--
Chloromethane	14 days	7 days	--	--
Chromium	6 months	--	--	--
Cobalt	6 months	--	--	--
Copper	6 months	--	--	--
Dichloromethane (Methylene Chloride)	14 days	7 days	--	--
Fluoride (Mg/L)	28 days	--	--	--
Gross Alpha minus Rn & U MDC	6 months	21 days	--	--
Gross Alpha minus Rn & U Precision (±)	6 months	21 days	--	--
Gross Alpha minus Rn & U	6 months	21 days	--	--
Iron	6 months	--	--	--
Lab pH (S.U.)	--	--	--	--
Lead	6 months	--	--	--
Manganese	6 months	--	--	--
Mercury	28 days	--	--	--
Molybdenum	6 months	--	--	--
Naphthalene	14 days	7 days	--	--
Nickel	6 months	--	--	--
Nitrate + Nitrite (as N)	28 days	2 days	3 days	4 days
Selenium	6 months	--	6 days	--
Silver	6 months	--	--	--
Sulfate (mg/L)	28 days	--	--	22 days
TDS (mg/L)	7 days	2 days	--	4 days
Tetrahydrofuran	14 days	--	--	--
Thallium	6 months	--	--	--
Tin	6 months	--	--	--
Toluene	14 days	7 days	--	--
Uranium	6 months	5 days	6 days	--
Vanadium	6 months	--	--	--
Xylenes (total)	14 days	7 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 4/10/2012	MW-11 6/19/2012	MW-14 6/19/2012
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	--	--	--
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	22 days	--	--
Gross Alpha minus Rn & U Precision (±)	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	7 days	22 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	7 days	--	--
Tin	6 months	--	--	--
Toluene	14 days	--	--	--
Uranium	6 months	7 days	--	--
Vanadium	6 months	--	--	--
Xylenes (total)	14 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-25 6/18/2012	MW-26 6/19/2012	MW-30 6/18/2012
2-Butanone (MEK)	14 days	--	9 days	--
Acetone	14 days	--	9 days	--
Ammonia (as N)	28 days	--	--	--
Arsenic	6 months	--	--	--
Benzene	14 days	--	9 days	--
Beryllium	6 months	--	--	--
Cadmium	6 months	--	--	--
Carbon Tetrachloride	14 days	--	9 days	--
Chloride (mg/L)	28 days	--	8 days	9 days
Chloroform	14 days	--	9 days	--
Chloromethane	14 days	--	9 days	--
Chromium	6 months	--	--	--
Cobalt	6 months	--	--	--
Copper	6 months	--	--	--
Dichloromethane (Methylene Chloride)	14 days	--	9 days	--
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	--	9 days	--
Nickel	6 months	--	--	--
Nitrate + Nitrite (as N)	28 days	--	8 days	9 days
Selenium	6 months	--	--	22 days
Silver	6 months	--	--	--
Sulfate (mg/L)	28 days	--	--	--
TDS (mg/L)	7 days	--	3 days	--
Tetrahydrofuran	14 days	--	--	--
Thallium	6 months	--	--	--
Tin	6 months	--	--	--
Toluene	14 days	--	9 days	--
Uranium	6 months	21 days	21 days	22 days
Vanadium	6 months	--	--	--
Xylenes (total)	14 days	--	9 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-31 6/18/2012	MW-31 6/29/2012	MW-35 6/19/2012
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	9 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	--	--	15 days
Gross Alpha minus Rn & U Precision (±)	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	--	--	22 days
Mercury	28 days	--	--	--
Molybdenum	6 months	--	--	--
Naphthalene	14 days	--	--	--
Nickel	6 months	--	--	--
Nitrate + Nitrite (as N)	28 days	9 days	--	--
Selenium	6 months	--	--	22 days
Silver	6 months	--	--	--
Sulfate (mg/L)	28 days	8 days	--	--
TDS (mg/L)	7 days	--	4 days	--
Tetrahydrofuran	14 days	--	--	--
Thallium	6 months	--	--	22 days
Tin	6 months	--	--	--
Toluene	14 days	--	--	--
Uranium	6 months	--	--	22 days
Vanadium	6 months	--	--	--
Xylenes (total)	14 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-3A: Laboratory Receipt Temperature Check

Sample Batch	Wells in Batch	Temperature
AWAL - 1205087 - THF	MW-01, MW-18, MW-25, MW-27, MW-30, MW-31, MW-32, MW-35	3.8 ° C
AWAL - 1205130 - THF	MW-17, MW-22, MW-26, MW-65	2.2 ° C
AWAL - 1205202 - THF	MW-02, MW-05, MW-11, MW-12, MW-14, MW-15, MW-24, MW-28, MW-29, MW-36	3.5 ° C
AWAL - 1205319 - THF	MW-03, MW-03A, MW-19, MW-23, MW-70	4.0° C
AWAL - 1206010 - THF, Tin	MW-37	0.5° C
AWAL - 1206136 - THF, Tin	MW-20	3.0 ° C
AWAL - 1206289 - Tin	MW-01, MW-18, MW-25, MW-27, MW-30, MW-31, MW-32, MW-35	N/A
AWAL - 1205499 - Tin	MW-03, MW-03A, MW-19, MW-23, MW-70	N/A
AWAL - 1205500 - Tin	MW-02, MW-05, MW-11, MW-12, MW-14, MW-15,	N/A
AWAL - 1205501 - Tin	MW-17, MW-22, MW-26, MW-65	N/A
EL - C12050196	MW-01, MW-18, MW-25, MW-27, MW-30, MW-31, MW-32, MW-35	2.0 ° C
EL - C12050272	MW-17, MW-22, MW-26, MW-65,	2.4 ° C
EL - C12050443	MW-02, MW-05, MW-11, MW-12, MW-14, MW-15, MW-24, MW-28, MW-29, MW-36	2.3 ° C
EL - C12050723	MW-03, MW-03A, MW-19, MW-23, MW-70	3.2 ° C
EL - C12060029	MW-37	3.2 ° C
EL - C12060306	MW-20	3.8 ° C
EL - C12061241	MW-26, MW-65	2.2 ° C

N/A = These shipments contained samples for the analysis of tin only. Per Table 1 in all revisions of the approved QAPs that were in effect during this sampling period, (Revisions 6, 7.1 and 7.2),samples submitted for tin analyses do not have a sample temperature requirement.

G-3B: Laboratory Receipt Temperature Check - Accelerated Samples

Sample Batch	Wells in Batch	Temperature
AWAL - 1204240	MW-11	3.4°C
EL - C12040736	MW-11, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65	3.0 °C
EL - C12060935	MW-11, MW-25, MW-26, MW-30, MW-31, MW-35, MW-65	2.8 °C
EL - C12070037	MW-31 Resample	2.8 °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	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 CO3, Bicarbonate as HCO3	A2320 B	A2320 B
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.

* QAP Revisions 7.1 and 7.2 expanded the allowable anlaytical metods. Those methods are listed here as they are applicable to samples collected after the approval dates of May 30, 2012 and June 7, 2012 respectively. Samples collected prior to the approval of the revised QAP (Revisions 7.1 nad 7.2 were analyzed using the methods specified in QAP revision 6.

G-4B: Analytical Method Check - Accelerated Samples

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	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 CO3, Bicarbonate as HCO3	A2320 B	A2320 B
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.

* QAP Revisions 7.1 and 7.2 expanded the allowable anlaytical metods. Those methods are listed here as they are applicable to samples collected after the approval dates of May 30, 2012 and June 7, 2012 respectively. Samples collected prior to the approval of the revised QAP (Revisions 7.1 nad 7.2 were analyzed using the methods specified in QAP revision 6.

G-5A: Routine Reporting Limit Check

Constituent	QAP Reporting Limit	MW-1 5/1/2012		MW-2 5/9/2012		MW-3 5/14/2012	
		RL	Qualifier	RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 µg/L	20 ug/L	U	20 ug/L	U	20 ug/L	U
Acetone	20 µg/L	20 ug/L	U	20 ug/L	U	20 ug/L	U
Ammonia (as N)	0.05 mg/L	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	5 ug/L	U
Benzene	1.0 µg/L	1 ug/L	U	1 ug/L	U	1 ug/L	U
Beryllium	0.50 µg/L	0.5 ug/L	U	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	0.5 ug/L	
Carbon Tetrachloride	1.0 µg/L	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chloride (mg/L)	1 mg/L	1 mg/L		1 mg/L		1 mg/L	
Chloroform	1.0 µg/L	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chloromethane	1.0 µg/L	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chromium	25 µg/L	25 ug/L	U	25 ug/L	U	25 ug/L	U
Cobalt	10 µg/L	10 ug/L	U	10 ug/L	U	10 ug/L	U
Copper	10 µg/L	10 ug/L	U	10 ug/L	U	10 ug/L	U
Dichloromethane (Methylene Chloride)	1.0 µg/L	1 ug/L	U	1 ug/L	U	1 ug/L	U
Fluoride (Mg/L)	0.1 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		0 pCi/L	
Iron	30 µg/L	30 ug/L		30 ug/L	U	30 ug/L	U
Lead	1.0 µg/L	1 ug/L	U	1 ug/L	U	1 ug/L	U
Manganese	10 µg/L	10 ug/L		10 ug/L	U	10 ug/L	
Mercury	0.50 µg/L	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	U
Molybdenum	10 µg/L	10 ug/L	U	10 ug/L	U	10 ug/L	U
Naphthalene	1.0 µg/L	1 ug/L	U	1 ug/L	U	1 ug/L	U
Nickel	20 µg/L	20 ug/L	U	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	U	0.1 mg/L	
Selenium	5 µg/L	5 ug/L	U	5 ug/L		5 ug/L	
Silver	10 µg/L	10 ug/L	U	10 ug/L	U	10 ug/L	U
Sulfate (mg/L)	1 mg/L	50 mg/L	D	50 mg/L	D	50 mg/L	D
TDS (mg/L)	10 mg/L	10 MG/L		10 MG/L		10 MG/L	
Tetrahydrofuran	1.0 µg/L	1 ug/L		1 ug/L		--	--
Thallium	0.50 µg/L	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	
Tin	100 µg/L	100 ug/L		100 ug/L		100 ug/L	
Toluene	1.0 µg/L	1 ug/L	U	1 ug/L	U	1 ug/L	U
Uranium	0.30 µg/L	0.3 ug/L	U	0.3 ug/L		0.3 ug/L	
Vanadium	15 µg/L	10 ug/L	U	15 ug/L	U	15 ug/L	U
Xylenes (total)	1.0 µg/L	1 ug/L	U	1 ug/L	U	1 ug/L	U
Zinc	10 µg/L	10 ug/L	U	10 ug/L	U	10 ug/L	
Bicarbonate as HCO3	1 mg/L	1 mg/L		1 mg/L		1 mg/L	
Calcium	0.5 mg/L	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	1 mg/L	U
Magnesium	0.5 mg/L	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		0.5 mg/L	
Sodium	0.5 mg/L	0.6 mg/L	D	0.5 mg/L		0.5 mg/L	

G-5A: Routine Reporting Limit Check

Constituent	MW-3A 5/15/2012		MW-5 5/9/2012		MW-11 5/8/2012	
	RL	Qualifier	RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 ug/L	U	20 ug/L	U	20 ug/L	U
Acetone	20 ug/L	U	20 ug/L	U	20 ug/L	U
Ammonia (as N)	0.05 mg/L	U	0.05 mg/L		0.05 mg/L	
Arsenic	5 ug/L	U	5 ug/L	U	5 ug/L	U
Benzene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Beryllium	0.5 ug/L		0.5 ug/L	U	0.5 ug/L	U
Cadmium	0.5 ug/L		0.5 ug/L	U	0.5 ug/L	U
Carbon Tetrachloride	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chloride (mg/L)	1 mg/L		1 mg/L		1 mg/L	
Chloroform	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chloromethane	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chromium	25 ug/L	U	25 ug/L	U	25 ug/L	U
Cobalt	10 ug/L	U	10 ug/L	U	10 ug/L	U
Copper	10 ug/L	U	10 ug/L	U	10 ug/L	U
Dichloromethane (Methylene Chloride)	1 ug/L	U	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	0 pCi/L		0 pCi/L		0 pCi/L	
Iron	30 ug/L	U	30 ug/L		30 ug/L	
Lead	1 ug/L	U	1 ug/L	U	1 ug/L	U
Manganese	10 ug/L		10 ug/L		10 ug/L	
Mercury	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	U
Molybdenum	10 ug/L	U	10 ug/L	U	10 ug/L	U
Naphthalene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Nickel	20 ug/L	U	20 ug/L	U	20 ug/L	U
Nitrate + Nitrite (as N)	0.1 mg/L		0.1 mg/L		0.1 mg/L	U
Selenium	5 ug/L		5 ug/L	U	5 ug/L	U
Silver	10 ug/L	U	10 ug/L	U	10 ug/L	U
Sulfate (mg/L)	50 mg/L	D	50 mg/L	D	50 mg/L	D
TDS (mg/L)	10 MG/L		10 MG/L		10 MG/L	
Tetrahydrofuran	1 ug/L		1 ug/L		1 ug/L	
Thallium	0.5 ug/L		0.5 ug/L	U	0.5 ug/L	U
Tin	100 ug/L		100 ug/L		100 ug/L	
Toluene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Uranium	0.3 ug/L		0.3 ug/L		0.3 ug/L	
Vanadium	15 ug/L	U	15 ug/L	U	15 ug/L	U
Xylenes (total)	1 ug/L	U	1 ug/L	U	1 ug/L	U
Zinc	10 ug/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	U	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	MW-12 5/10/2012		MW-14 5/9/2012		MW-15 5/9/2012	
	RL	Qualifier	RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 ug/L	U	20 ug/L	U	20 ug/L	U
Acetone	20 ug/L	U	20 ug/L	U	20 ug/L	U
Ammonia (as N)	0.05 mg/L	U	0.05 mg/L		0.05 mg/L	U
Arsenic	5 ug/L	U	5 ug/L	U	5 ug/L	U
Benzene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Beryllium	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	U
Cadmium	0.5 ug/L	U	0.5 ug/L		0.5 ug/L	U
Carbon Tetrachloride	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chloride (mg/L)	1 mg/L		1 mg/L		1 mg/L	0
Chloroform	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chloromethane	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chromium	25 ug/L	U	25 ug/L	U	25 ug/L	U
Cobalt	10 ug/L	U	10 ug/L	U	10 ug/L	U
Copper	10 ug/L	U	10 ug/L	U	10 ug/L	U
Dichloromethane (Methylene Chloride)	1 ug/L	U	1 ug/L	U	1 ug/L	U
Fluoride (Mg/L)	0.1 mg/L		0.1 mg/L		0.1 mg/L	0
Gross Alpha minus Rn & U MDC	0 pCi/L		0 pCi/L		0 pCi/L	
Iron	30 ug/L		30 ug/L	U	30 ug/L	U
Lead	1 ug/L	U	1 ug/L	U	1 ug/L	U
Manganese	10 ug/L		10 ug/L		10 ug/L	U
Mercury	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	U
Molybdenum	10 ug/L	U	10 ug/L	U	10 ug/L	U
Naphthalene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Nickel	20 ug/L	U	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	0
Selenium	5 ug/L		5 ug/L	U	5 ug/L	0
Silver	10 ug/L	U	10 ug/L	U	10 ug/L	U
Sulfate (mg/L)	50 mg/L	D	50 mg/L	D	50 mg/L	D
TDS (mg/L)	10 MG/L		10 MG/L		10 MG/L	0
Tetrahydrofuran	1 ug/L		1 ug/L		1 ug/L	
Thallium	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	U
Tin	100 ug/L		100 ug/L		100 ug/L	
Toluene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Uranium	0.3 ug/L		0.3 ug/L		0.3 ug/L	0
Vanadium	15 ug/L	U	15 ug/L	U	15 ug/L	U
Xylenes (total)	1 ug/L	U	1 ug/L	U	1 ug/L	U
Zinc	10 ug/L	U	10 ug/L		10 ug/L	U
Bicarbonate as HCO3	1 mg/L		1 mg/L		1 mg/L	0
Calcium	0.5 mg/L		0.5 mg/L		0.5 mg/L	0
Carbonate as CO3	1 mg/L	U	1 mg/L	U	1 mg/L	U
Magnesium	0.5 mg/L		0.5 mg/L		0.5 mg/L	0
Potassium	0.5 mg/L		0.5 mg/L		0.5 mg/L	0
Sodium	0.5 mg/L		0.5 mg/L		0.5 mg/L	0

G-5A: Routine Reporting Limit Check

Constituent	MW-17 5/4/2012		MW-18 4/30/2012		MW-19 5/16/2012	
	RL	Qualifier	RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 ug/L	U	20 ug/L	U	20 ug/L	U
Acetone	20 ug/L	U	20 ug/L	U	20 ug/L	U
Ammonia (as N)	0.05 mg/L	U	0.05 mg/L	U	0.05 mg/L	U
Arsenic	5 ug/L	U	5 ug/L	U	5 ug/L	U
Benzene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Beryllium	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	U
Cadmium	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	U
Carbon Tetrachloride	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chloride (mg/L)	1 mg/L	0	1 mg/L		1 mg/L	
Chloroform	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chloromethane	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chromium	25 ug/L	U	25 ug/L	U	25 ug/L	U
Cobalt	10 ug/L	U	10 ug/L	U	10 ug/L	U
Copper	10 ug/L	U	10 ug/L	U	10 ug/L	U
Dichloromethane (Methylene Chloride)	1 ug/L	U	1 ug/L	U	1 ug/L	U
Fluoride (Mg/L)	0.1 mg/L	0	0.1 mg/L		0.1 mg/L	
Gross Alpha minus Rn & U MDC	0 pCi/L		0 pCi/L		0 pCi/L	
Iron	30 ug/L	U	30 ug/L		30 ug/L	U
Lead	1 ug/L	U	1 ug/L	U	1 ug/L	U
Manganese	10 ug/L	0	10 ug/L		10 ug/L	
Mercury	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	U
Molybdenum	10 ug/L	U	10 ug/L	U	10 ug/L	U
Naphthalene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Nickel	20 ug/L	U	20 ug/L	U	20 ug/L	U
Nitrate + Nitrite (as N)	0.1 mg/L	0	0.1 mg/L	U	0.1 mg/L	
Selenium	5 ug/L	0	5 ug/L	U	5 ug/L	
Silver	10 ug/L	U	10 ug/L	U	10 ug/L	U
Sulfate (mg/L)	50 mg/L	D	50 mg/L	D	20 mg/L	D
TDS (mg/L)	10 MG/L	0	10 MG/L		10 MG/L	
Tetrahydrofuran	1 ug/L		1 ug/L		1 ug/L	
Thallium	0.5 ug/L	U	0.5 ug/L		0.5 ug/L	U
Tin	100 ug/L		100 ug/L		100 ug/L	
Toluene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Uranium	0.3 ug/L	0	0.3 ug/L		0.3 ug/L	
Vanadium	15 ug/L	U	15 ug/L	U	15 ug/L	U
Xylenes (total)	1 ug/L	U	1 ug/L	U	1 ug/L	U
Zinc	10 ug/L	U	10 ug/L	U	10 ug/L	U
Bicarbonate as HCO3	1 mg/L	0	1 mg/L		1 mg/L	
Calcium	0.5 mg/L	0	0.5 mg/L		0.5 mg/L	
Carbonate as CO3	1 mg/L	U	1 mg/L	U	1 mg/L	U
Magnesium	0.5 mg/L	0	0.5 mg/L		0.5 mg/L	
Potassium	0.5 mg/L	0	0.5 mg/L		0.5 mg/L	
Sodium	0.5 mg/L	0	2 mg/L	D	0.5 mg/L	

G-5A: Routine Reporting Limit Check

Constituent	MW-20 6/4/2012		MW-22 5/3/2012		MW-23 5/16/2012	
	RL	Qualifier	RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 ug/L	U	--	--	20 ug/L	U
Acetone	20 ug/L	U	--	--	20 ug/L	U
Ammonia (as N)	0.05 mg/L	U	--	--	0.05 mg/L	U
Arsenic	5 ug/L	U	--	--	5 ug/L	U
Benzene	1 ug/L	U	--	--	1 ug/L	U
Beryllium	0.5 ug/L	U	--	--	0.5 ug/L	U
Cadmium	0.5 ug/L	U	--	--	0.5 ug/L	U
Carbon Tetrachloride	1 ug/L	U	--	--	1 ug/L	U
Chloride (mg/L)	1 mg/L		--	--	1 mg/L	
Chloroform	1 ug/L	U	--	--	1 ug/L	U
Chloromethane	1 ug/L	U	--	--	1 ug/L	U
Chromium	25 ug/L	U	--	--	25 ug/L	U
Cobalt	10 ug/L	U	--	--	10 ug/L	U
Copper	10 ug/L	U	--	--	10 ug/L	U
Dichloromethane (Methylene Chloride)	1 ug/L	U	--	--	1 ug/L	U
Fluoride (Mg/L)	0.1 mg/L		--	--	0.1 mg/L	
Gross Alpha minus Rn & U MDC	0 pCi/L		--		0 pCi/L	
Iron	30 ug/L	U	--	--	30 ug/L	U
Lead	1 ug/L	U	--	--	1 ug/L	U
Manganese	10 ug/L	U	--	--	10 ug/L	
Mercury	0.5 ug/L	U	--	--	0.5 ug/L	U
Molybdenum	10 ug/L	U	--	--	10 ug/L	U
Naphthalene	1 ug/L	U	--	--	1 ug/L	U
Nickel	20 ug/L	U	--	--	20 ug/L	U
Nitrate + Nitrite (as N)	1 mg/L	D	--	--	0.1 mg/L	
Selenium	5 ug/L	U	--	--	5 ug/L	U
Silver	10 ug/L	U	--	--	10 ug/L	U
Sulfate (mg/L)	50 mg/L	D	--	--	50 mg/L	D
TDS (mg/L)	10 MG/L		--	--	10 MG/L	
Tetrahydrofuran	1 ug/L		--	--	1 ug/L	
Thallium	0.5 ug/L	U	--	--	0.5 ug/L	
Tin	100 ug/L		--	--	100 ug/L	
Toluene	1 ug/L	U	--	--	1 ug/L	U
Uranium	0.3 ug/L		--	--	0.3 ug/L	
Vanadium	15 ug/L	U	--	--	15 ug/L	U
Xylenes (total)	1 ug/L	U	--	--	1 ug/L	U
Zinc	10 ug/L	U	--	--	10 ug/L	
Bicarbonate as HCO3	1 mg/L		--	--	1 mg/L	
Calcium	0.5 mg/L		--	--	0.5 mg/L	
Carbonate as CO3	1 mg/L	U	--	--	1 mg/L	U
Magnesium	0.5 mg/L		--	--	0.5 mg/L	
Potassium	0.5 mg/L		--	--	0.5 mg/L	
Sodium	2 mg/L	D	--	--	0.5 mg/L	

G-5A: Routine Reporting Limit Check

Constituent	MW-24 5/10/2012		MW-25 5/2/2012		MW-26 5/7/2012	
	RL	Qualifier	RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 ug/L	U	20 ug/L	U	--	--
Acetone	20 ug/L	U	20 ug/L	U	--	--
Ammonia (as N)	0.05 mg/L	0	0.05 mg/L	0	0.05 mg/L	0
Arsenic	5 ug/L	U	5 ug/L	U	5 ug/L	U
Benzene	1 ug/L	U	1 ug/L	U	--	--
Beryllium	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	U
Cadmium	0.5 ug/L	0	0.5 ug/L	0	0.5 ug/L	U
Carbon Tetrachloride	1 ug/L	U	1 ug/L	U	--	--
Chloride (mg/L)	1 mg/L	0	1 mg/L	0	1 mg/L	0
Chloroform	1 ug/L	U	1 ug/L	U	--	--
Chloromethane	1 ug/L	U	1 ug/L	U	--	--
Chromium	25 ug/L	U	25 ug/L	U	25 ug/L	U
Cobalt	10 ug/L	U	10 ug/L	U	10 ug/L	U
Copper	10 ug/L	U	10 ug/L	U	10 ug/L	U
Dichloromethane (Methylene Chloride)	1 ug/L	U	1 ug/L	U	--	--
Fluoride (Mg/L)	0.1 mg/L	0	0.1 mg/L	0	0.1 mg/L	0
Gross Alpha minus Rn & U MDC	0 pCi/L		0 pCi/L		0 pCi/L	
Iron	30 ug/L	0	30 ug/L	U	30 ug/L	0
Lead	1 ug/L	U	1 ug/L	U	1 ug/L	U
Manganese	10 ug/L	0	10 ug/L	0	10 ug/L	0
Mercury	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	U
Molybdenum	10 ug/L	U	10 ug/L	0	10 ug/L	U
Naphthalene	1 ug/L	U	1 ug/L	U	--	--
Nickel	20 ug/L	U	20 ug/L	U	20 ug/L	U
Nitrate + Nitrite (as N)	0.1 mg/L	0	0.1 mg/L	U	0.2 mg/L	D
Selenium	5 ug/L	U	5 ug/L	U	5 ug/L	U
Silver	10 ug/L	U	10 ug/L	U	10 ug/L	U
Sulfate (mg/L)	50 mg/L	D	50 mg/L	D	50 mg/L	D
TDS (mg/L)	10 MG/L	0	10 MG/L	0	10 MG/L	0
Tetrahydrofuran	1 ug/L		1 ug/L		1 ug/L	
Thallium	0.5 ug/L	0	0.5 ug/L	0	0.5 ug/L	U
Tin	100 ug/L		100 ug/L		100 ug/L	
Toluene	1 ug/L	U	1 ug/L	U	--	--
Uranium	0.3 ug/L	0	0.3 ug/L	0	0.3 ug/L	0
Vanadium	15 ug/L	U	15 ug/L	U	15 ug/L	U
Xylenes (total)	1 ug/L	U	1 ug/L	U	--	--
Zinc	10 ug/L	0	10 ug/L	U	10 ug/L	U
Bicarbonate as HCO3	1 mg/L	0	1 mg/L	0	1 mg/L	0
Calcium	0.5 mg/L	0	0.5 mg/L	0	0.5 mg/L	0
Carbonate as CO3	1 mg/L	U	1 mg/L	U	1 mg/L	U
Magnesium	0.5 mg/L	0	0.5 mg/L	0	0.5 mg/L	0
Potassium	0.5 mg/L	0	0.5 mg/L	0	0.5 mg/L	0
Sodium	0.5 mg/L	0	2 mg/L	D	0.5 mg/L	0

G-5A: Routine Reporting Limit Check

Constituent	MW-26 6/26/2012		MW-27 5/1/2012		MW-28 5/8/2012	
	RL	Qualifier	RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 ug/L	U	20 ug/L	U	20 ug/L	U
Acetone	20 ug/L	U	20 ug/L	U	20 ug/L	U
Ammonia (as N)	--	--	0.05 mg/L	U	0.1 mg/L	U
Arsenic	--	--	5 ug/L	U	5 ug/L	
Benzene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Beryllium	--	--	0.5 ug/L	U	0.5 ug/L	U
Cadmium	--	--	0.5 ug/L	U	0.5 ug/L	
Carbon Tetrachloride	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chloride (mg/L)	--	--	1 mg/L	0	1 mg/L	
Chloroform	100 ug/L	D	1 ug/L	U	1 ug/L	U
Chloromethane	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chromium	--	--	25 ug/L	U	25 ug/L	U
Cobalt	--	--	10 ug/L	U	10 ug/L	
Copper	--	--	10 ug/L	U	10 ug/L	U
Dichloromethane (Methylene Chloride)	1 ug/L	0	1 ug/L	U	1 ug/L	U
Fluoride (Mg/L)	--	--	0.1 mg/L	0	0.1 mg/L	
Gross Alpha minus Rn & U MDC	--		0 pCi/L		0 pCi/L	
Iron	--	--	30 ug/L	U	30 ug/L	U
Lead	--	--	1 ug/L	U	1 ug/L	U
Manganese	--	--	10 ug/L	U	10 ug/L	
Mercury	--	--	0.5 ug/L	U	0.5 ug/L	U
Molybdenum	--	--	10 ug/L	U	10 ug/L	U
Naphthalene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Nickel	--	--	20 ug/L	U	20 ug/L	
Nitrate + Nitrite (as N)	--	--	0.5 mg/L	D	0.1 mg/L	
Selenium	--	--	5 ug/L	0	5 ug/L	U
Silver	--	--	10 ug/L	U	10 ug/L	U
Sulfate (mg/L)	--	--	10 mg/L	D	50 mg/L	D
TDS (mg/L)	--	--	10 MG/L	0	10 MG/L	
Tetrahydrofuran	--	--	1 ug/L		1 ug/L	
Thallium	--	--	0.5 ug/L	U	0.5 ug/L	
Tin	--	--	100 ug/L		100 ug/L	
Toluene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Uranium	--	--	0.3 ug/L	0	0.3 ug/L	
Vanadium	--	--	15 ug/L	U	15 ug/L	U
Xylenes (total)	1 ug/L	U	1 ug/L	U	1 ug/L	U
Zinc	--	--	10 ug/L	U	10 ug/L	
Bicarbonate as HCO3	--	--	1 mg/L	0	1 mg/L	
Calcium	--	--	0.5 mg/L	0	0.5 mg/L	
Carbonate as CO3	--	--	1 mg/L	U	1 mg/L	U
Magnesium	--	--	0.5 mg/L	0	0.5 mg/L	
Potassium	--	--	0.5 mg/L	0	0.5 mg/L	
Sodium	--	--	0.6 mg/L	D	0.5 mg/L	

G-5A: Routine Reporting Limit Check

Constituent	MW-29 5/8/2012		MW-30 5/2/2012		MW-31 5/2/2012	
	RL	Qualifier	RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 ug/L	U	20 ug/L	U	20 ug/L	U
Acetone	20 ug/L	U	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 ug/L	U	5 ug/L	U	5 ug/L	U
Benzene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Beryllium	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	U
Cadmium	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	U
Carbon Tetrachloride	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chloride (mg/L)	1 mg/L		1 mg/L		1 mg/L	
Chloroform	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chloromethane	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chromium	25 ug/L	U	25 ug/L	U	25 ug/L	U
Cobalt	10 ug/L	U	10 ug/L	U	10 ug/L	U
Copper	10 ug/L	U	10 ug/L	U	10 ug/L	U
Dichloromethane (Methylene Chloride)	1 ug/L	U	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	0 pCi/L		0 pCi/L		0 pCi/L	
Iron	30 ug/L		30 ug/L		30 ug/L	U
Lead	1 ug/L	U	1 ug/L	U	1 ug/L	U
Manganese	10 ug/L		10 ug/L		10 ug/L	U
Mercury	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	U
Molybdenum	10 ug/L	U	10 ug/L	U	10 ug/L	U
Naphthalene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Nickel	20 ug/L	U	20 ug/L	U	20 ug/L	U
Nitrate + Nitrite (as N)	0.1 mg/L	U	1 mg/L	D	1 mg/L	D
Selenium	5 ug/L	U	5 ug/L		5 ug/L	
Silver	10 ug/L	U	10 ug/L	U	10 ug/L	U
Sulfate (mg/L)	50 mg/L	D	10 mg/L	D	10 mg/L	D
TDS (mg/L)	10 MG/L		10 MG/L		10 MG/L	
Tetrahydrofuran	1 ug/L		1 ug/L		1 ug/L	
Thallium	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	U
Tin	100 ug/L		100 ug/L		100 ug/L	
Toluene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Uranium	0.3 ug/L		0.3 ug/L		0.3 ug/L	
Vanadium	15 ug/L	U	15 ug/L	U	15 ug/L	U
Xylenes (total)	1 ug/L	U	1 ug/L	U	1 ug/L	U
Zinc	10 ug/L	U	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	U	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		0.6 mg/L	D	0.6 mg/L	D

G-5A: Routine Reporting Limit Check

Constituent	MW-32 4/30/2012		MW-35 5/2/2012		MW-36 5/8/2012	
	RL	Qualifier	RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 ug/L	U	20 ug/L	U	20 ug/L	U
Acetone	20 ug/L	U	20 ug/L	U	20 ug/L	U
Ammonia (as N)	0.05 mg/L		0.1 mg/L		0.1 mg/L	U
Arsenic	5 ug/L	U	5 ug/L	U	5 ug/L	U
Benzene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Beryllium	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	U
Cadmium	0.5 ug/L		0.5 ug/L	U	0.5 ug/L	U
Carbon Tetrachloride	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chloride (mg/L)	1 mg/L		1 mg/L		1 mg/L	
Chloroform	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chloromethane	1 ug/L	U	1 ug/L	U	1 ug/L	U
Chromium	25 ug/L	U	25 ug/L	U	25 ug/L	U
Cobalt	10 ug/L		10 ug/L	U	10 ug/L	U
Copper	10 ug/L	U	10 ug/L	U	10 ug/L	U
Dichloromethane (Methylene Chloride)	1 ug/L	U	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	0 pCi/L		0 pCi/L		0 pCi/L	
Iron	30 ug/L		30 ug/L		30 ug/L	U
Lead	1 ug/L	U	1 ug/L	U	1 ug/L	U
Manganese	10 ug/L		10 ug/L		10 ug/L	U
Mercury	0.5 ug/L	U	0.5 ug/L	U	0.5 ug/L	U
Molybdenum	10 ug/L	U	10 ug/L	U	10 ug/L	U
Naphthalene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Nickel	20 ug/L		20 ug/L	U	20 ug/L	U
Nitrate + Nitrite (as N)	0.1 mg/L	U	0.1 mg/L	U	0.1 mg/L	
Selenium	5 ug/L	U	5 ug/L		5 ug/L	
Silver	10 ug/L	U	10 ug/L	U	10 ug/L	U
Sulfate (mg/L)	50 mg/L	D	50 mg/L	D	50 mg/L	D
TDS (mg/L)	10 MG/L		10 MG/L		10 MG/L	
Tetrahydrofuran	1 ug/L		1 ug/L		1 ug/L	
Thallium	0.5 ug/L	U	0.5 ug/L		0.5 ug/L	
Tin	100 ug/L		100 ug/L		100 ug/L	
Toluene	1 ug/L	U	1 ug/L	U	1 ug/L	U
Uranium	0.3 ug/L		0.5 ug/L	D	0.3 ug/L	
Vanadium	15 ug/L	U	15 ug/L	U	15 ug/L	U
Xylenes (total)	1 ug/L	U	1 ug/L	U	1 ug/L	U
Zinc	10 ug/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	U	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	2 mg/L	D	2 mg/L	D	0.5 mg/L	

G-5A: Routine Reporting Limit Check

	MW37		MW-65		MW-65	
	5/29/2012		5/7/2012		6/26/2012	
Constituent	**RL**	**Qualifier**	**RL**	**Qualifer**	**RL**	**Qualifier**
2-Butanone (MEK)	20 ug/L	U	--	--	20 ug/L	U
Acetone	20 ug/L	U	--	--	20 ug/L	U
Ammonia (as N)	0.1 mg/L	U	0.1 mg/L		--	--
Arsenic	5 ug/L	U	5 ug/L	U	--	--
Benzene	1 ug/L	U	--	--	1 ug/L	U
Beryllium	0.5 ug/L	U	0.5 ug/L	U	--	--
Cadmium	0.5 ug/L	U	0.5 ug/L	U	--	--
Carbon Tetrachloride	1 ug/L	U	--	--	1 ug/L	U
Chloride (mg/L)	1 mg/L		1 mg/L		--	--
Chloroform	1 ug/L	U	--	--	100 ug/L	D
Chloromethane	1 ug/L	U	--	--	1 ug/L	U
Chromium	25 ug/L	U	25 ug/L	U	--	--
Cobalt	10 ug/L	U	10 ug/L	U	--	--
Copper	10 ug/L	U	10 ug/L	U	--	--
Dichloromethane (Methylene Chloride)	1 ug/L	U	--	--	1 ug/L	
Fluoride (Mg/L)	0.1 mg/L		0.1 mg/L		--	--
Gross Alpha minus Rn & U MDC	0 pCi/L		0 pCi/L		--	
Iron	30 ug/L	U	30 ug/L		--	--
Lead	1 ug/L	U	1 ug/L	U	--	--
Manganese	10 ug/L	U	10 ug/L		--	--
Mercury	0.5 ug/L	U	0.5 ug/L	U	--	--
Molybdenum	10 ug/L	U	10 ug/L	U	--	--
Naphthalene	1 ug/L	U	--	--	1 ug/L	U
Nickel	20 ug/L	U	20 ug/L	U	--	--
Nitrate + Nitrite (as N)	0.1 mg/L		0.2 mg/L	D	--	--
Selenium	5 ug/L		5 ug/L	U	--	--
Silver	10 ug/L	U	10 ug/L	U	--	--
Sulfate (mg/L)	50 mg/L	D	50 mg/L	D	--	--
TDS (mg/L)	10 MG/L		10 MG/L		--	--
Tetrahydrofuran	1 ug/L		1 ug/L		--	--
Thallium	0.5 ug/L		0.5 ug/L	U	--	--
Tin	100 ug/L		100 ug/L		--	--
Toluene	1 ug/L	U	--	--	1 ug/L	U
Uranium	0.3 ug/L		0.3 ug/L		--	--
Vanadium	15 ug/L	U	15 ug/L	U	--	--
Xylenes (total)	1 ug/L	U	--	--	1 ug/L	U
Zinc	10 ug/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	U	1 mg/L	U	--	--
Magnesium	0.5 mg/L		0.5 mg/L		--	--
Potassium	0.5 mg/L		0.5 mg/L		--	--
Sodium	0.6 mg/L	D	0.5 mg/L		--	--

G-5A: Routine Reporting Limit Check

Constituent	MW-70 5/16/2012 RL	Qualifier
2-Butanone (MEK)	20 ug/L	U
Acetone	20 ug/L	U
Ammonia (as N)	0.05 mg/L	U
Arsenic	5 ug/L	U
Benzene	1 ug/L	U
Beryllium	0.5 ug/L	U
Cadmium	0.5 ug/L	U
Carbon Tetrachloride	1 ug/L	U
Chloride (mg/L)	1 mg/L	
Chloroform	1 ug/L	U
Chloromethane	1 ug/L	U
Chromium	25 ug/L	U
Cobalt	10 ug/L	U
Copper	10 ug/L	U
Dichloromethane (Methylene Chloride)	1 ug/L	U
Fluoride (Mg/L)	0.1 mg/L	
Gross Alpha minus Rn & U MDC	0 pCi/L	
Iron	30 ug/L	U
Lead	1 ug/L	U
Manganese	10 ug/L	
Mercury	0.5 ug/L	U
Molybdenum	10 ug/L	U
Naphthalene	1 ug/L	U
Nickel	20 ug/L	U
Nitrate + Nitrite (as N)	0.2 mg/L	D
Selenium	5 ug/L	
Silver	10 ug/L	U
Sulfate (mg/L)	20 mg/L	D
TDS (mg/L)	10 MG/L	
Tetrahydrofuran	1 ug/L	
Thallium	0.5 ug/L	
Tin	100 ug/L	
Toluene	1 ug/L	U
Uranium	0.3 ug/L	
Vanadium	15 ug/L	U
Xylenes (total)	1 ug/L	U
Zinc	10 ug/L	U
Bicarbonate as HCO3	1 mg/L	
Calcium	0.5 mg/L	
Carbonate as CO3	1 mg/L	U
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 4/10/2012		MW-25 4/9/2012	
		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 (±)	0	--		--	
Gross Alpha minus Rn & U	0	--		--	
Iron	30 µg/L	--	--	--	--
Lab pH (S.U.)	--	--		--	
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	1 ug/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	--	--	--	--

G-5B: Accelerated Reporting Limit Check

Constituent	MW-26 4/11/2012		MW-30 4/10/2012	
	RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 ug/L	U	--	--
Acetone	20 ug/L	U	--	--
Ammonia (as N)	--	--	--	--
Arsenic	--	--	--	--
Benzene	1 ug/L	U	--	--
Beryllium	--	--	--	--
Cadmium	--	--	--	--
Carbon Tetrachloride	1 ug/L	U	--	--
Chloride (mg/L)	1 mg/L	--	1 mg/L	D
Chloroform	1000 ug/L	D	--	--
Chloromethane	1 ug/L	U	--	--
Chromium	--	--	--	--
Cobalt	--	--	--	--
Copper	--	--	--	--
Dichloromethane (Methylene Chloride)	1 ug/L		--	--
Fluoride (Mg/L)	--	--	--	--
Gross Alpha minus Rn & U MDC	0 pCi/L		--	
Gross Alpha minus Rn & U Precision (±)	0 pCi/L		--	
Gross Alpha minus Rn & U	0.2 pCi/L		--	
Iron	--	--	--	--
Lab pH (S.U.)	--		--	
Lead	--	--	--	--
Manganese	--	--	--	--
Mercury	--	--	--	--
Molybdenum	--	--	--	--
Naphthalene	1 ug/L	U	--	--
Nickel	--	--	--	--
Nitrate + Nitrite (as N)	0.2 mg/L	D	1 mg/L	D
Selenium	--	--	5 ug/L	--
Silver	--	--	--	--
Sulfate (mg/L)	--	--	--	--
TDS (mg/L)	10 MG/L		--	--
Tetrahydrofuran	--	--	--	--
Thallium	--	--	--	--
Tin	--	--	--	--
Toluene	1 ug/L	U	--	--
Uranium	0.3 ug/L		0.3 ug/L	--
Vanadium	--	--	--	--
Xylenes (total)	1 ug/L	U	--	--

G-5B: Accelerated Reporting Limit Check

Constituent	MW-31 4/9/2012		MW-35 4/10/2012	
	RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	--	--	--	--
Acetone	--	--	--	--
Ammonia (as N)	--	--	--	--
Arsenic	--	--	--	--
Benzene	--	--	--	--
Beryllium	--	--	--	--
Cadmium	--	--	--	--
Carbon Tetrachloride	--	--	--	--
Chloride (mg/L)	1 mg/L	--	--	--
Chloroform	--	--	--	--
Chloromethane	--	--	--	--
Chromium	--	--	--	--
Cobalt	--	--	--	--
Copper	--	--	--	--
Dichloromethane (Methylene Chloride)	--	--	--	--
Fluoride (Mg/L)	--	--	--	--
Gross Alpha minus Rn & U MDC	--		0 pCi/L	
Gross Alpha minus Rn & U Precision (±)	--		0 pCi/L	
Gross Alpha minus Rn & U	--		0.2 pCi/L	
Iron	--	--	--	--
Lab pH (S.U.)	--		--	
Lead	--	--	--	--
Manganese	--	--	10 ug/L	--
Mercury	--	--	--	--
Molybdenum	--	--	--	--
Naphthalene	--	--	--	--
Nickel	--	--	--	--
Nitrate + Nitrite (as N)	1 mg/L	D	--	--
Selenium	--	--	--	--
Silver	--	--	--	--
Sulfate (mg/L)	10 mg/L	D	--	--
TDS (mg/L)	10 MG/L	--	--	--
Tetrahydrofuran	--	--	--	--
Thallium	--	--	0.5 ug/L	--
Tin	--	--	--	--
Toluene	--	--	--	--
Uranium	--	--	0.3 ug/L	--
Vanadium	--	--	--	--
Xylenes (total)	--	--	--	--

G-5B: Accelerated Reporting Limit Check

Constituent	MW-65 04/10/2012	
	RL	Qualifier
2-Butanone (MEK)	--	--
Acetone	--	--
Ammonia (as N)	--	--
Arsenic	--	--
Benzene	--	--
Beryllium	--	--
Cadmium	--	--
Carbon Tetrachloride	--	--
Chloride (mg/L)	--	--
Chloroform	--	--
Chloromethane	--	--
Chromium	--	--
Cobalt	--	--
Copper	--	--
Dichloromethane (Methylene Chloride)	--	--
Fluoride (Mg/L)	--	--
Gross Alpha minus Rn & U MDC	0 pCi/L	
Gross Alpha minus Rn & U Precision (±)	0 pCi/L	
Gross Alpha minus Rn & U	0.2 pCi/L	
Iron	--	--
Lab pH (S.U.)	--	
Lead	--	--
Manganese	10 ug/L	--
Mercury	--	--
Molybdenum	--	--
Naphthalene	--	--
Nickel	--	--
Nitrate + Nitrite (as N)	--	--
Selenium	--	--
Silver	--	--
Sulfate (mg/L)	--	--
TDS (mg/L)	--	--
Tetrahydrofuran	--	--
Thallium	0.5 ug/L	--
Tin	--	--
Toluene	--	--
Uranium	0.3 ug/L	--
Vanadium	--	--
Xylenes (total)	--	--

G-5B: Accelerated Reporting Limit Check

Constituent	MW-11 6/19/2012		MW-25 6/18/2012	
	RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	--	--	--	--
Acetone	--	--	--	--
Ammonia (as N)	--	--	--	--
Arsenic	--	--	--	--
Benzene	--	--	--	--
Beryllium	--	--	--	--
Cadmium	--	--	--	--
Carbon Tetrachloride	--	--	--	--
Chloride (mg/L)	--	--	--	--
Chloroform	--	--	--	--
Chloromethane	--	--	--	--
Chromium	--	--	--	--
Cobalt	--	--	--	--
Copper	--	--	--	--
Dichloromethane (Methylene Chloride)	--	--	--	--
Fluoride (Mg/L)	--	--	--	--
Gross Alpha minus Rn & U MDC	--		--	
Gross Alpha minus Rn & U Precision (±)	--		--	
Gross Alpha minus Rn & U	--		--	
Iron	--	--	--	--
Lab pH (S.U.)	--		--	
Lead	--	--	--	--
Manganese	10 ug/L		--	--
Mercury	--	--	--	--
Molybdenum	--	--	--	--
Naphthalene	--	--	--	--
Nickel	--	--	--	--
Nitrate + Nitrite (as N)	--	--	--	--
Selenium	--	--	--	--
Silver	--	--	--	--
Sulfate (mg/L)	--	--	--	--
TDS (mg/L)	--	--	--	--
Tetrahydrofuran	--	--	--	--
Thallium	--	--	--	--
Tin	--	--	--	--
Toluene	--	--	--	--
Uranium	--	--	0.3 ug/L	--
Vanadium	--	--	--	--
Xylenes (total)	--	--	--	--

G-5B: Accelerated Reporting Limit Check

Constituent	MW-26 6/19/2012		MW-30 6/18/20121	
	RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	20 ug/L	U	--	--
Acetone	20 ug/L	U	--	--
Ammonia (as N)	--	--	--	--
Arsenic	--	--	--	--
Benzene	1 ug/L	U	--	--
Beryllium	--	--	--	--
Cadmium	--	--	--	--
Carbon Tetrachloride	1 ug/L	U	--	--
Chloride (mg/L)	1 mg/L	0	1 mg/L	--
Chloroform	500 ug/L	D	--	--
Chloromethane	1 ug/L	U	--	--
Chromium	--	--	--	--
Cobalt	--	--	--	--
Copper	--	--	--	--
Dichloromethane (Methylene Chloride)	1 ug/L	--	--	--
Fluoride (Mg/L)	--	--	--	--
Gross Alpha minus Rn & U MDC	--		--	
Gross Alpha minus Rn & U Precision (±)	--		--	
Gross Alpha minus Rn & U	--		--	
Iron	--	--	--	--
Lab pH (S.U.)	--		--	
Lead	--	--	--	--
Manganese	--	--	--	--
Mercury	--	--	--	--
Molybdenum	--	--	--	--
Naphthalene	1 ug/L	U	--	--
Nickel	--	--	--	--
Nitrate + Nitrite (as N)	0.1 mg/L	--	0.5 mg/L	D
Selenium	--	--	5 ug/L	--
Silver	--	--	--	--
Sulfate (mg/L)	--	--	--	--
TDS (mg/L)	0 MG/L	--	--	--
Tetrahydrofuran	--	--	--	--
Thallium	--	--	--	--
Tin	--	--	--	--
Toluene	1 ug/L	U	--	--
Uranium	0.3 ug/L	0	0.3 ug/L	--
Vanadium	--	--	--	--
Xylenes (total)	1 ug/L	U	--	--

G-5B: Accelerated Reporting Limit Check

Constituent	MW-31 6/18/2012		MW-31 6/29/2012	
	RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	--	--	--	--
Acetone	--	--	--	--
Ammonia (as N)	--	--	--	--
Arsenic	--	--	--	--
Benzene	--	--	--	--
Beryllium	--	--	--	--
Cadmium	--	--	--	--
Carbon Tetrachloride	--	--	--	--
Chloride (mg/L)	1 mg/L	--	--	--
Chloroform	--	--	--	--
Chloromethane	--	--	--	--
Chromium	--	--	--	--
Cobalt	--	--	--	--
Copper	--	--	--	--
Dichloromethane (Methylene Chloride)	--	--	--	--
Fluoride (Mg/L)	--	--	--	--
Gross Alpha minus Rn & U MDC	--		--	--
Gross Alpha minus Rn & U Precision (±)	--		--	--
Gross Alpha minus Rn & U	--		--	--
Iron	--	--	--	--
Lab pH (S.U.)	--		--	--
Lead	--	--	--	--
Manganese	--	--	--	--
Mercury	--	--	--	--
Molybdenum	--	--	--	--
Naphthalene	--	--	--	--
Nickel	--	--	--	--
Nitrate + Nitrite (as N)	0.5 mg/L	D	--	--
Selenium	--	--	--	--
Silver	--	--	--	--
Sulfate (mg/L)	10 mg/L	D	--	--
TDS (mg/L)	--	--	10 MG/L	--
Tetrahydrofuran	--	--	--	--
Thallium	--	--	--	--
Tin	--	--	--	--
Toluene	--	--	--	--
Uranium	--	--	--	--
Vanadium	--	--	--	--
Xylenes (total)	--	--	--	--

G-5B: Accelerated Reporting Limit Check

Constituent	MW-35 6/19/2012		MW-65 6/19/2012	
	RL	Qualifier	RL	Qualifier
2-Butanone (MEK)	--	--	--	--
Acetone	--	--	--	--
Ammonia (as N)	--	--	--	--
Arsenic	--	--	--	--
Benzene	--	--	--	--
Beryllium	--	--	--	--
Cadmium	--	--	--	--
Carbon Tetrachloride	--	--	--	--
Chloride (mg/L)	--	--	--	--
Chloroform	--	--	--	--
Chloromethane	--	--	--	--
Chromium	--	--	--	--
Cobalt	--	--	--	--
Copper	--	--	--	--
Dichloromethane (Methylene Chloride)	--	--	--	--
Fluoride (Mg/L)	--	--	--	--
Gross Alpha minus Rn & U MDC	0 pCi/L		--	
Gross Alpha minus Rn & U Precision (±)	0 pCi/L		--	
Gross Alpha minus Rn & U	0.5 pCi/L		--	
Iron	--	--	--	--
Lab pH (S.U.)	--		--	
Lead	--	--	--	--
Manganese	10 ug/L	--	10 ug/L	--
Mercury	--	--	--	--
Molybdenum	--	--	--	--
Naphthalene	--	--	--	--
Nickel	--	--	--	--
Nitrate + Nitrite (as N)	--	--	--	--
Selenium	5 ug/L	--	--	--
Silver	--	--	--	--
Sulfate (mg/L)	--	--	--	--
TDS (mg/L)	--	--	--	--
Tetrahydrofuran	--	--	--	--
Thallium	0.5 ug/L	U	--	--
Tin	--	--	--	--
Toluene	--	--	--	--
Uranium	0.3 ug/L	--	--	--
Vanadium	--	--	--	--
Xylenes (total)	--	--	--	--

G-6A: Trip Blank Evaluation

All trip blanks for the 2012 Second Quarter samples were non detect.

Blank	Sample Date	Laboratory
1	4/30/2012	American West Analytical Laboratories
2	5/4/2012	American West Analytical Laboratories
3	5/8/2012	American West Analytical Laboratories
4	5/14/2012	American West Analytical Laboratories
5	5/29/2012	American West Analytical Laboratories
6	6/4/2012	American West Analytical Laboratories
7	5/2/2012	Energy Laboratories
8	5/4/2012	Energy Laboratories
9	5/10/2012	Energy Laboratories
10	5/14/2012	Energy Laboratories
11	5/29/2012	Energy Laboratories
12	6/4/2012	Energy Laboratories
13	6/26/2012	Energy Laboratories

G-6B: Trip Blank Evaluation

All trip blanks for the Accelerated 2010 Second Quarter samples were non detect.

Blank	Sample Date	Laboratory
1	4/10/2012	American West Analytical Laboratories
2	4/11/2012	Energy Laboratories
3	6/18/2012	Energy Laboratories

G-7A: QA/QC Evaluation for Routine Sample Duplicates

Constituent	MW-26	MW-65	%RPD
Ammonia (as N)	0.14	0.14	0.00
Nitrate + Nitrite (as N)	2.9	2.9	0.00
Iron	682	720	5.42
Uranium	18.2	17.6	3.35
Chloroform	1700	1700	0.00
Dichloromethane (Methylene Chloride)	10	9.8	2.02
Naphthalene	1	1	0.00
Chloride (mg/L)	74	74	0.00
Fluoride (mg/L)	0.54	0.39	32.26
Bicarbonate as HCO3	398	393	1.26
Calcium	449	440	2.02
Magnesium	153	152	0.66
Potassium	11.3	11.3	0.00
Sodium	195	208	6.45
TDS (mg/L)	3240	3270	0.92
Sulfate (mg/L)	1930	1840	4.77
Radiologic Duplicate Tests			
Gross Alpha minus Rn & U MDC	0.2	0.2	0.00
Gross Alpha minus Rn & U*	3.1	3.3	0.400
Gross Alpha minus Rn & U Precision (±)	0.4	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-19	MW-70	%RPD
Nitrate + Nitrite (as N)	3.7	3.7	0.00
Manganese	31	31	0.00
Uranium	5.67	5.66	0.18
Chloride (mg/L)	37	35	5.56
Fluoride (Mg/L)	0.96	0.94	2.11
Bicarbonate as HCO3	215	215	0.00
Calcium	188	187	0.53
Magnesium	68.6	69.1	0.73
Potassium	5.3	5	5.83
Sodium	112	111	0.90
TDS (mg/L)	1440	1400	2.82
Sulfate (mg/L)	702	697	0.71
Radiologic Duplicate Tests			
Gross Alpha minus Rn & U MDC	0.3	0.3	0.00
Gross Alpha minus Rn & U*	0.9	1.2	0.71
Gross Alpha minus Rn & U Precision (±)	0.3	0.3	0.00

* Duplicate checks reported for gross alpha minus RN and U are not %RPD. Calculated values are based on the formula in the approved QAP.

G-7B: QA/QC Evaluation for Accelerated Sample Duplicates

Constituent	MW-35 4/10/2012	MW-65 4/10/2012	%RPD*
Manganese	277	279	0.72
Thallium	0.59	0.6	1.68
Radiologic RPD Tests			
Gross Alpha minus Rn & U MDC	0.2	0.2	0.00
Gross Alpha minus Rn & U	4.1	4.3	0.28
Gross Alpha minus Rn & U Precision (±)	0.5	0.5	

* 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-11 6/19/2012	MW-65 6/19/2012	%RPD
Manganese	122	130	6.35

G-8A: Radiologics Counting Error

Well	Sample Date	Gross Alpha minus Rn and U	Gross Alpha minus Rn and U Precision (+/-)	Counting Error ≤ 20%	GWCL	Within GWCL?
MW-01	5/1/2012	0.4	0.2	N	3.75	Y
MW-02	5/9/2012	0.6	0.3	N	3.2	Y
MW-03	5/14/2012	0.1	0.2	N	1	Y
MW-03A	5/15/2012	0.6	0.3	N	7.5	Y
MW-05	5/9/2012	0.3	0.2	N	3.75	Y
MW-11	5/8/2012	0.1	0.2	N	3.75	Y
MW-12	5/10/2012	0.4	0.3	N	7.5	Y
MW-14	5/9/2012	0.2	0.2	N	7.5	Y
MW-15	5/9/2012	0.1	0.2	N	7.5	Y
MW-17	5/4/2012	0.3	0.2	N	2.8	Y
MW-18	4/30/2012	0.5	0.2	N	7.5	Y
MW-19	5/16/2012	0.9	0.3	N	2.36	Y
MW-20	6/4/2012	0.9	0.7	N	--	
MW-22	5/3/2012	5.9	0.5	Y	--	
MW-23	5/16/2012	1.1	0.3	N	2.86	Y
MW-24	5/10/2012	0.2	0.2	N	7.5	Y
MW-25	5/2/2012	0.8	0.2	N	7.5	Y
MW-26	5/7/2012	3.1	0.4	Y	4.69	Y
MW-27	5/1/2012	0.8	0.2	N	2	Y
MW-28	5/8/2012	0.7	0.3	N	2.42	Y
MW-29	5/8/2012	0.7	0.3	N	2	Y
MW-30	5/2/2012	0.3	0.2	N	3.75	Y
MW-31	5/2/2012	0.5	0.2	N	7.5	Y
MW-32	4/30/2012	2.4	0.3	Y	3.33	Y
MW-35	5/2/2012	4.5	0.4	Y	3.75	NA
MW-36	5/8/2012	0.3	0.2	N	--	
MW-37	5/29/2012	2.7	0.7	N	--	
MW-65	5/7/2012	3.3	0.3	Y	--	
MW-70	5/16/2012	1.2	0.3	N	--	

GWCLs have not been established for MW-20, MW-22, MW-36, and MW-37.

N/A - the counting error is less than 20% of the activity as required by the GWDP. The value is above the GWCL and this check column is not applicable.

G-8B: Radiologics Counting Error for Accelerated Samples

Well	Sample Date	Gross Alpha minus Rn and U	Gross Alpha minus Rn and U Precision (+/-)	Counting Error ≤ 20%	GWCL
MW-35	4/10/2012	4.1	0.5	Y	N/A
MW-35	6/19/2012	4.9	0.8	Y	N/A

N/A - the counting error is less than 20% of the activity as required by the GWDP. The value is above the

G-9A: Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD	REC Range
1205087	MW-01	Tetrahydrofuran	32.4	45.6	43 - 146	14.7	25
1205130	MW-22	Tetrahydrofuran	61.7	38.3	43 - 146	46.8	25
C12050196	MW-26	Calcium*	NC	NC	70 - 130	NC	NA
C12050196	MW-26	Magnesium	NC	NC	70 - 130	NC	NA
C12050196	NA	Sodium	69	79	70 - 130	2.3	20
C12050272	NA	Sodium	69	79	70 - 130	2.3	20
C12050272	NA	Managanese*	NC	NC	70 - 130	NC	NA
C12050272	MW-26	Silver	47	40	70-130	16	20
C12050443	NA	Sodium	69	79	70 - 130	2.3	20
C12050443	MW-36	Selenium*	NC	NC	70 - 130	NC	NA
C12050443	MW-36	Silver	68	71	70 - 130	4.9	20
C12050723	MW-03A	Acetone	134	137	70 - 130	2.4	20
C12050723	MW-03A	Methy Ethyl Keytone	143	143	70 - 130	0	20
C12060029	NA	Managanese*	NC	NC	70 - 130	NC	NA
C12060029	NA	Uranium*	NC	NC	70 - 130	NC	NA
C12060306	MW-20	Sodium*	NC	NC	70 - 130	NC	NA

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
C12050272	Trip Blank	p-Bromofluorobenzene	122	80-120	None
C12050272	Method Blank	p-Bromofluorobenzene	132	80-120	None
C12050443	MW-02	p-Bromofluorobenzene	126	80-120	None
C12050443	MW-05	p-Bromofluorobenzene	126	80-120	None
C12050443	MW-11	p-Bromofluorobenzene	122	80-120	None
C12050443	MW-12	p-Bromofluorobenzene	127	80-120	None
C12050443	MW-14	p-Bromofluorobenzene	130	80-120	None
C12050443	MW-15	p-Bromofluorobenzene	126	80-120	None
C12050443	MW-24	p-Bromofluorobenzene	126	80-120	None
C12050443	MW-11	p-Bromofluorobenzene	122	80-120	None
C12050443	MW-11	p-Bromofluorobenzene	122	80-120	None
C12050443	Method Blank	p-Bromofluorobenzene	132	80-120	None
C12061241	Trip Blank	p-Bromofluorobenzene	78	80-120	None
C12061241	LCS	p-Bromofluorobenzene	78	80-120	None
C12061241	Method Blank	p-Bromofluorobenzene	78	80-120	None

G-9A: Laboratory Matrix QC

Method Blank detections

Lab Report	Well/Sample	Analyte	Reported Concentration	QAP Required RL
C12050196	NA	Bicarbonate as HCO3	4.83	1 mg/L
C12050272	NA	Bicarbonate as HCO3	5.4	1 mg/L
C12050443	NA	Bicarbonate as HCO3	1.18	1 mg/L
C12050723	NA	Bicarbonate as HCO3	1.18	1 mg/L
C12060029	NA	Bicarbonate as HCO3	1.89	1 mg/L
C12060306	NA	Bicarbonate as HCO3	1.71	1 mg/L

LCS Recovery

Lab Report	Analyte	Percent Recovery	Lab Specified REC Range	QAP Required Range
C12050723	Methy Ethyl Keytone	134	70 - 130	None
C12060029	Acetone	132	70 - 130	None
C12060029	Methy Ethyl Keytone	140	70 - 130	None
C12060302	Acetone	168	70 - 130	None
C12060302	Methy Ethyl Keytone	171	70 - 130	None

G-9B: Accelerated Laboratory Matrix QC

Matrix Spike % Recovery Comparison

Lab Report	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD %	REC Range %
C12040736 - April Accelerated	NA	Manganese*	NC	NC	70-130	NC	20
C12040736 - April Accelerated	NA	Acetone	135	84	70-130	47	20
C12040736 - April Accelerated	NA	Carbon Tetrachloride	109	85	70-130	25	20
C12040736 - April Accelerated	NA	Methyl Ethyl Ketone	124	99	70-130	22	20
C12040736 - April Accelerated	NA	Methylene Chloride	110	85	70-130	25	20
C12060935 - June Accelerated	NA	Uranium*	110	NC	70-130	NC	20
C12060935 - June Accelerated	NA	Nitrate	112	110	70-130	1.6	20

*= 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.

Method Blank Detections

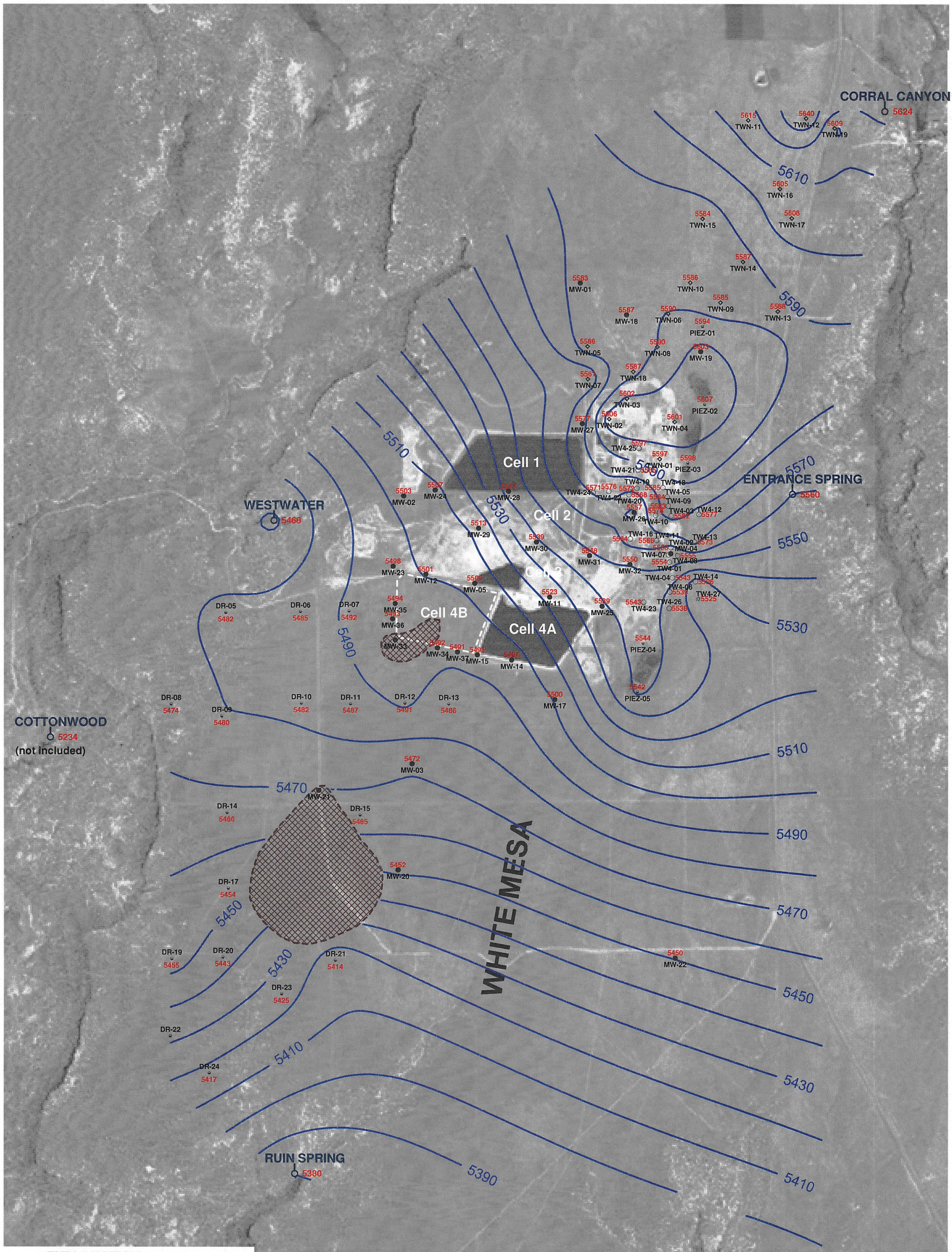
Lab Report	Well/Sample	Analyte	Reported Concentration	QAP Required RL
C12060935 - June Accelerated	NA	Uranium	0.02 ug/L	0.3 ug/L
C12060935 - June Accelerated	NA	Uranium	0.01 ug/L	0.3 ug/L

Surrogate % Recovery

Lab Report	Well/Sample	Analyte	Surrogate %REC	Lab Specified REC Range	QAP Required Range
C12040736 - April Accelerated	MW-26	Dibromofluoromethane	53	70 - 130	None
C12060935 - June Accelerated	Trip Blank	p-Bromofluorobenzene	75	80 - 120	None

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** 5577 — temporary perched monitoring well showing elevation in feet amsl
- **TWN-10** 5586 — temporary perched nitrate monitoring well showing elevation in feet amsl
- **PIEZ-1** 5594 — perched piezometer showing elevation in feet amsl
- **TW4-27** 5525 — temporary perched monitoring well installed October, 2011 showing elevation in feet amsl
- **RUIN SPRING** 5380 — seep or spring showing elevation in feet amsl

NOTE: MW-4, MW-26, TW4-4, TW4-19, and TW4-20 are pumping wells

HYDRO GEO CHEM, INC.

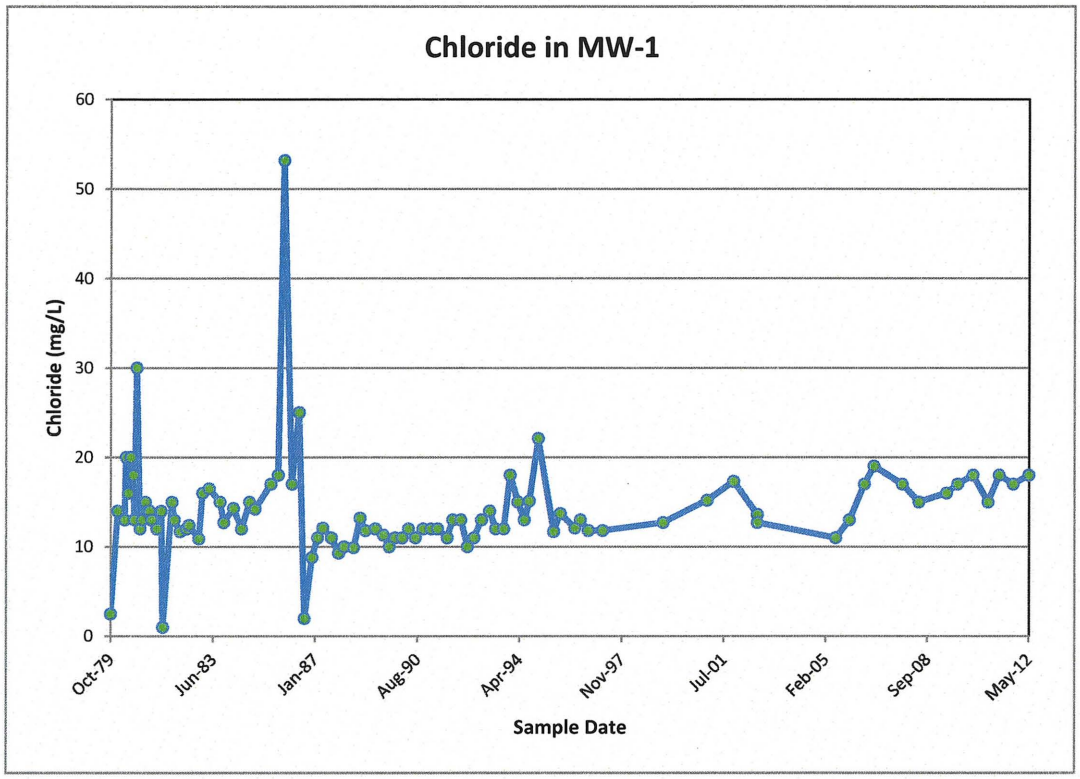
KRIGED 2nd QUARTER, 2012 WATER LEVELS WHITE MESA SITE

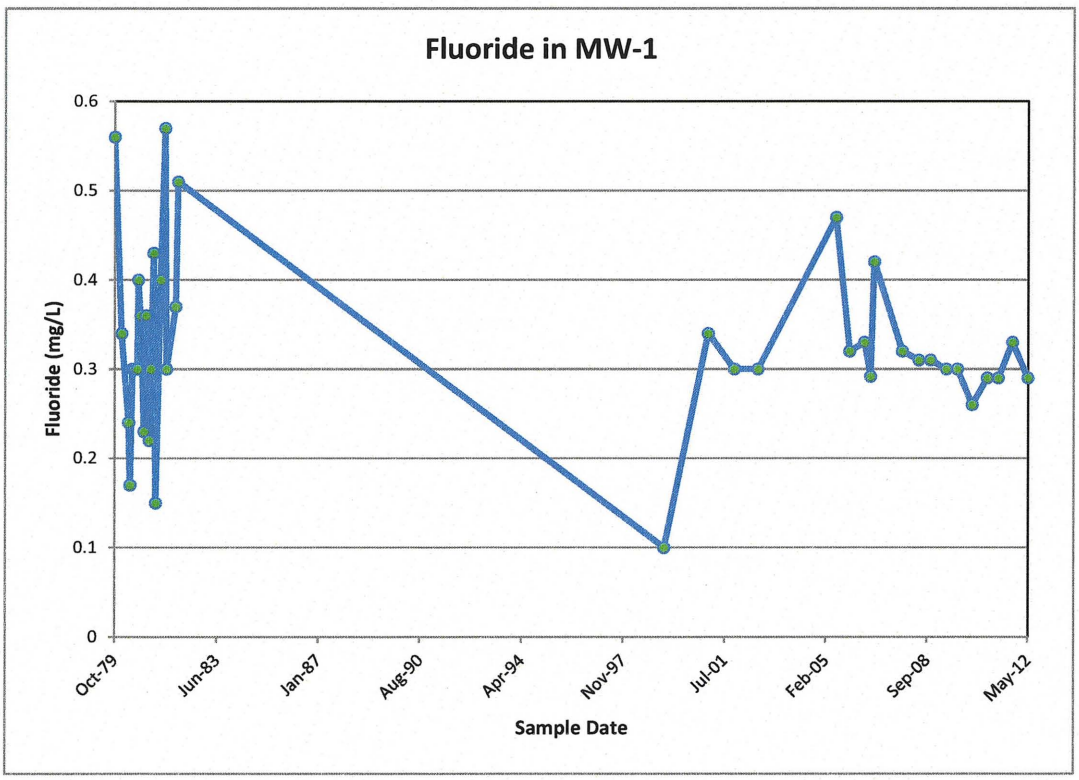
APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/aug12/Uwl0612_rev.srf	H-1

Tab I

Groundwater Time Concentration Plots

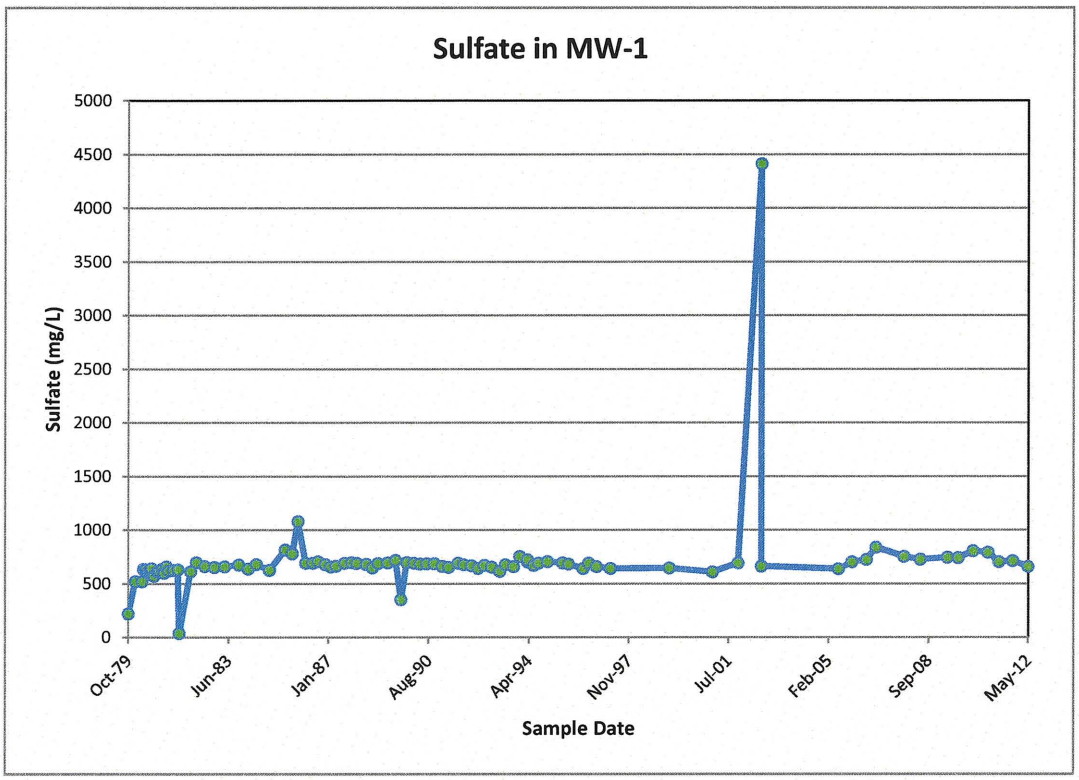
Time concentration plots for MW-1

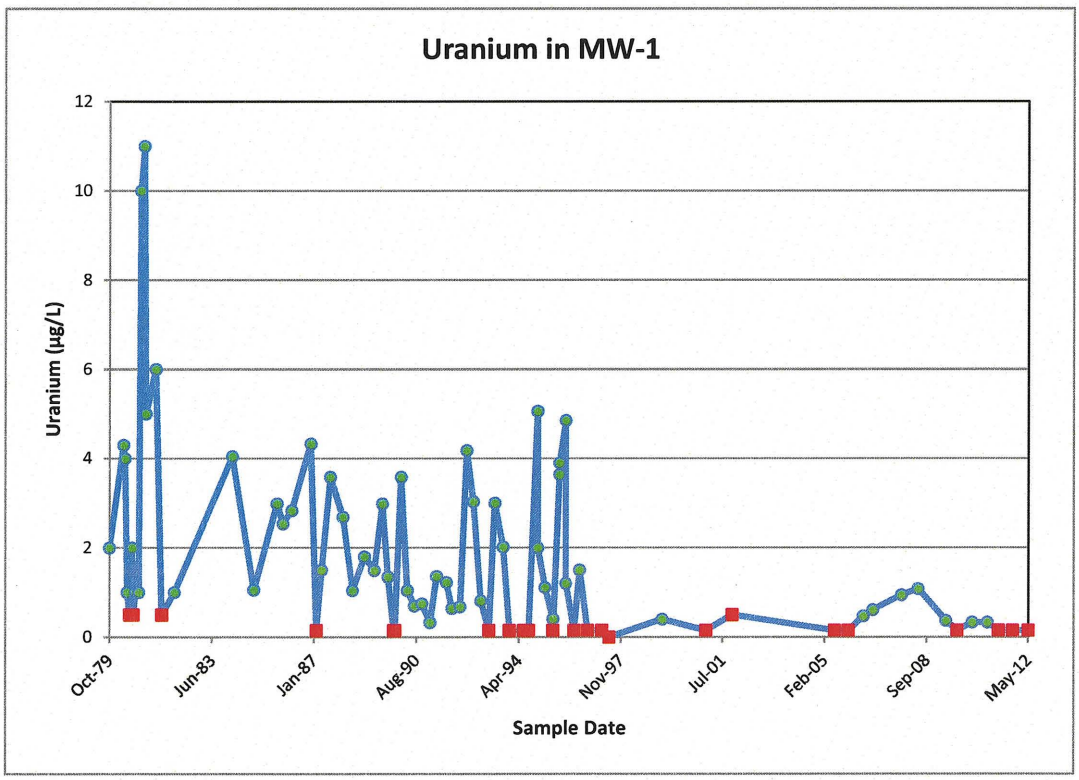




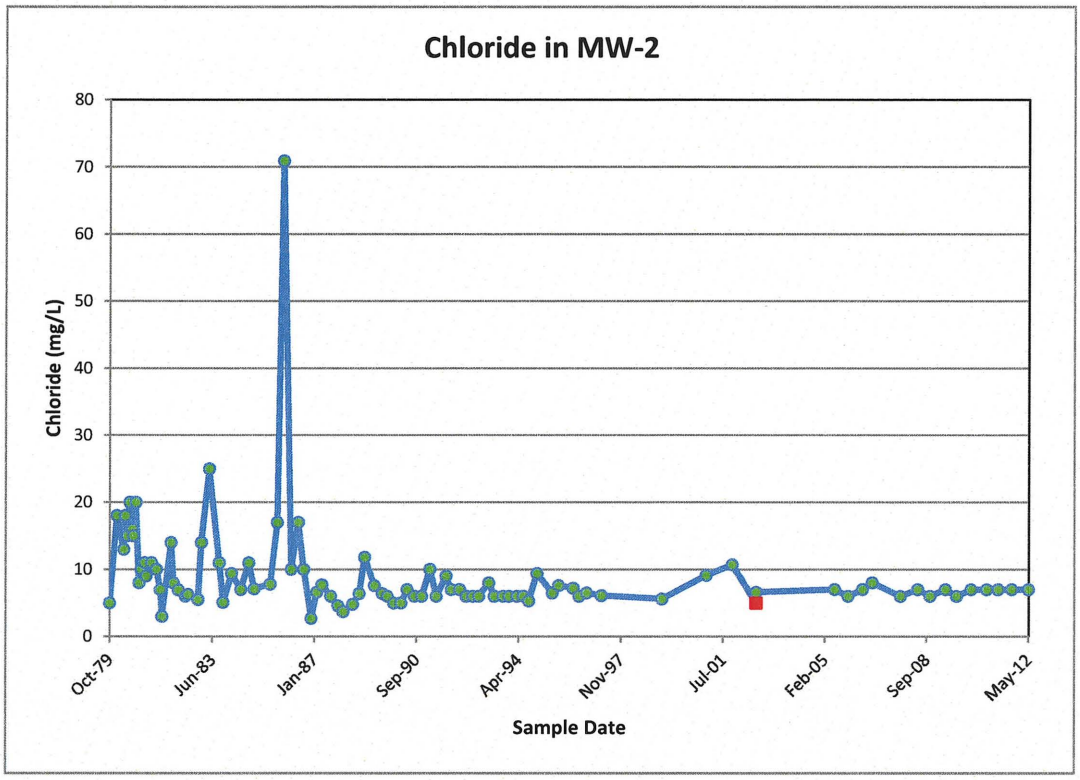
Detected Values
Non-Detected Values

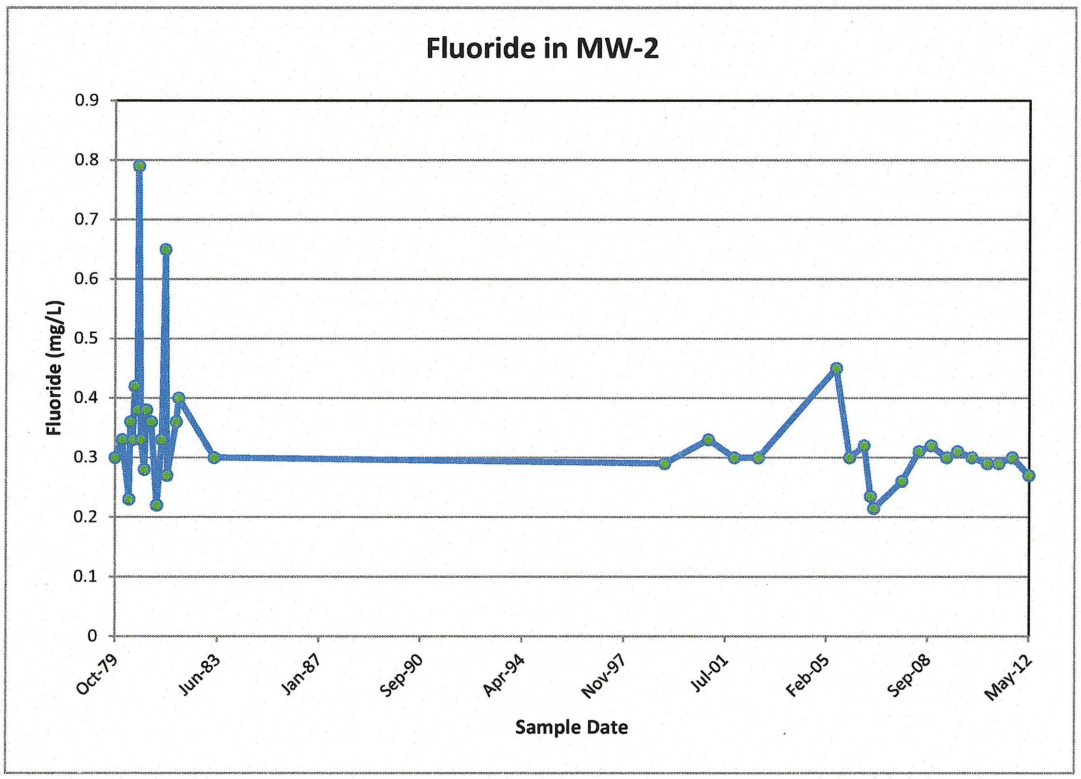
Time concentration plots for MW-1





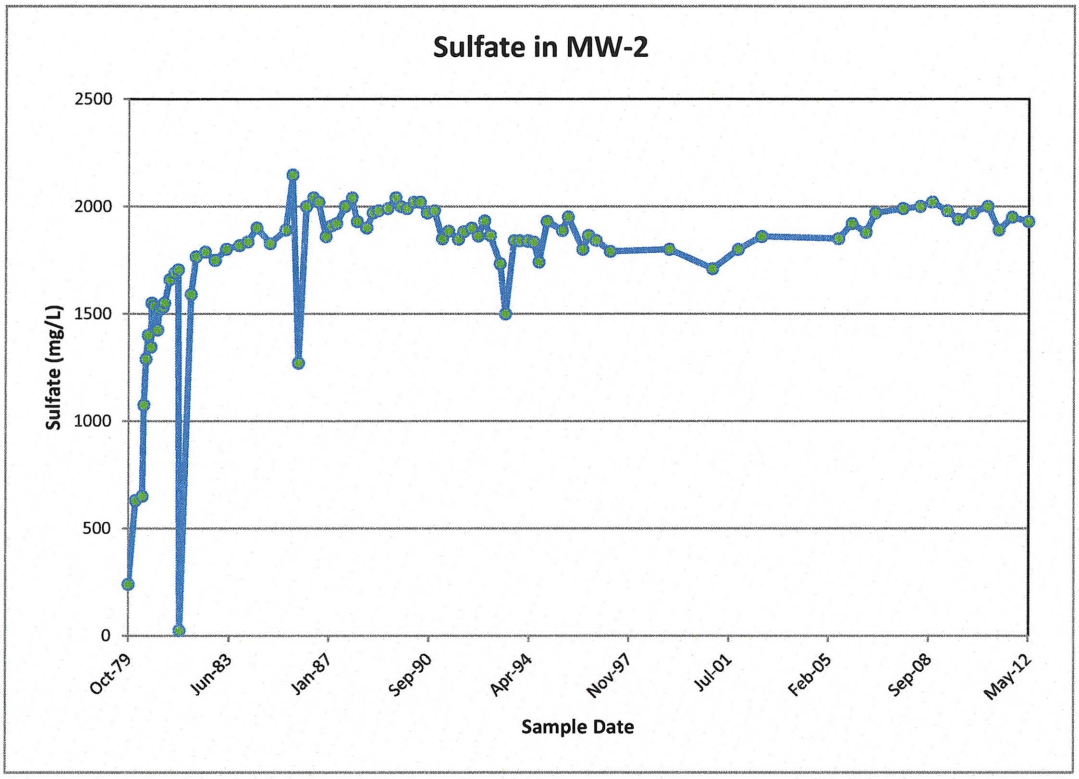
Time concentration plots for MW-2

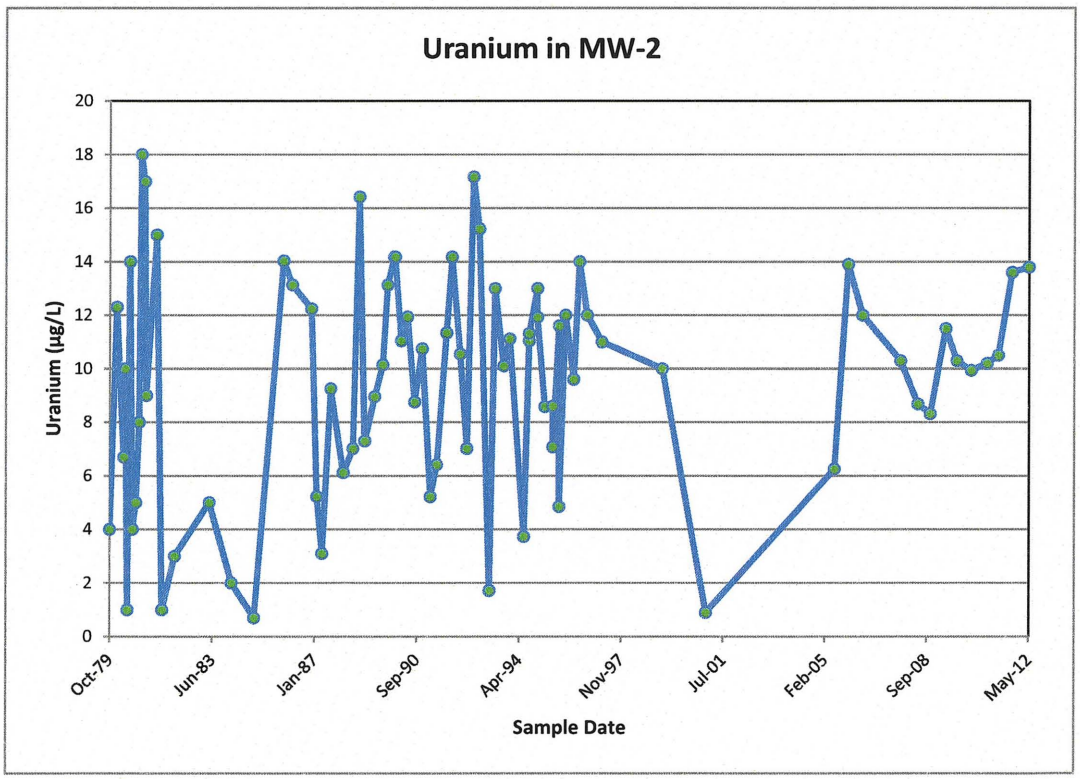




Detected Values
Non-Detected Values

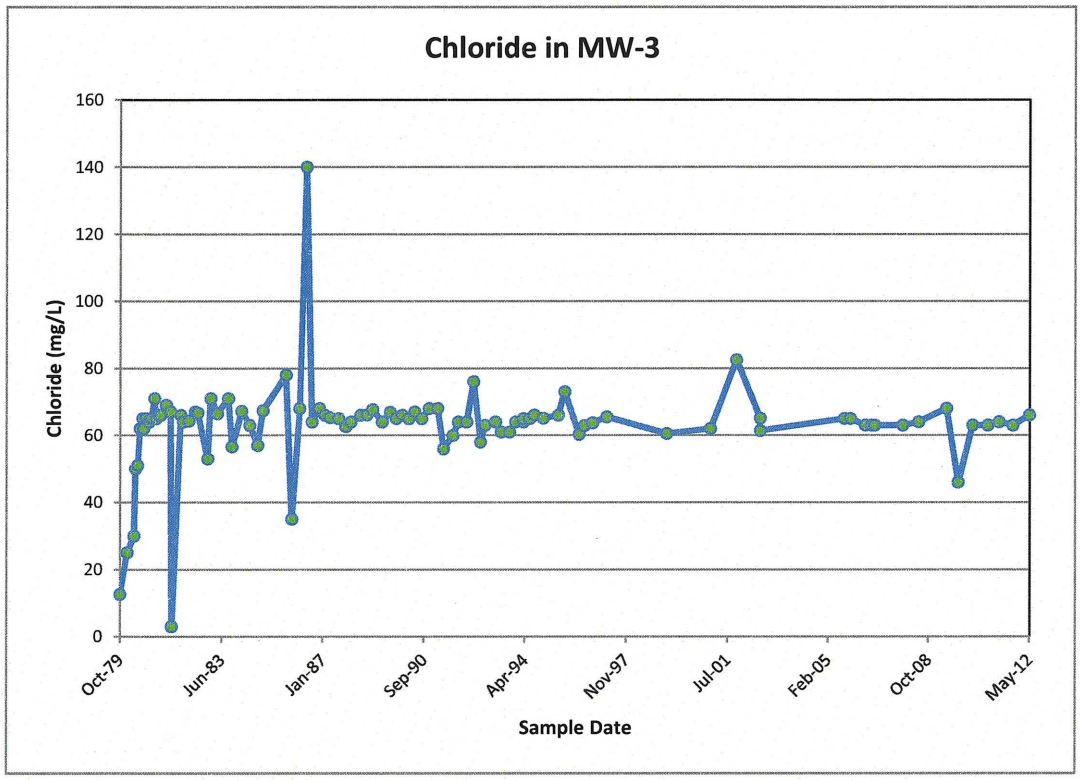
Time concentration plots for MW-2

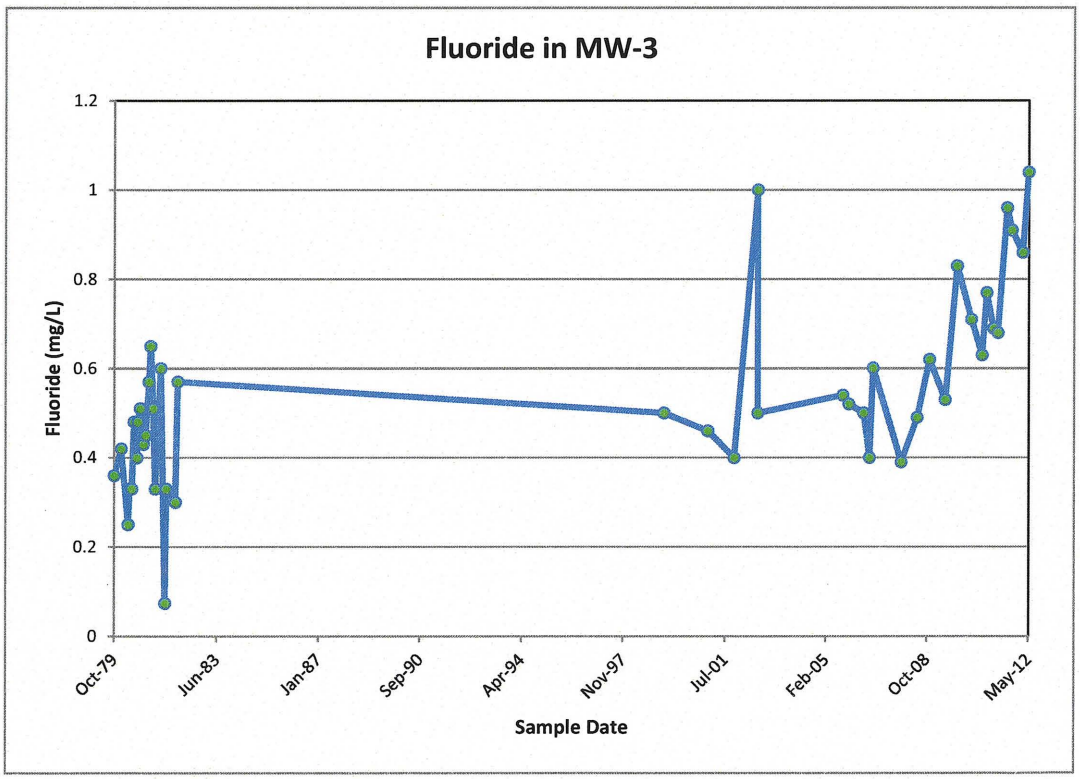




Detected Values
Non-Detected Values

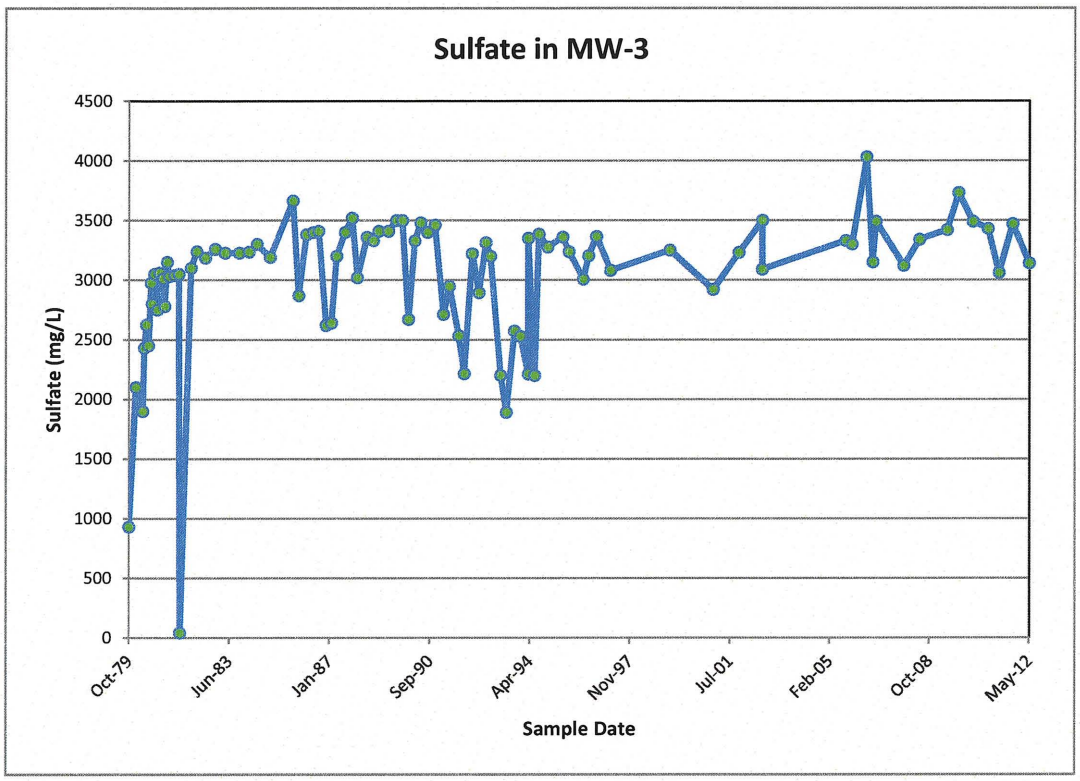
Time concentration plots for MW-3

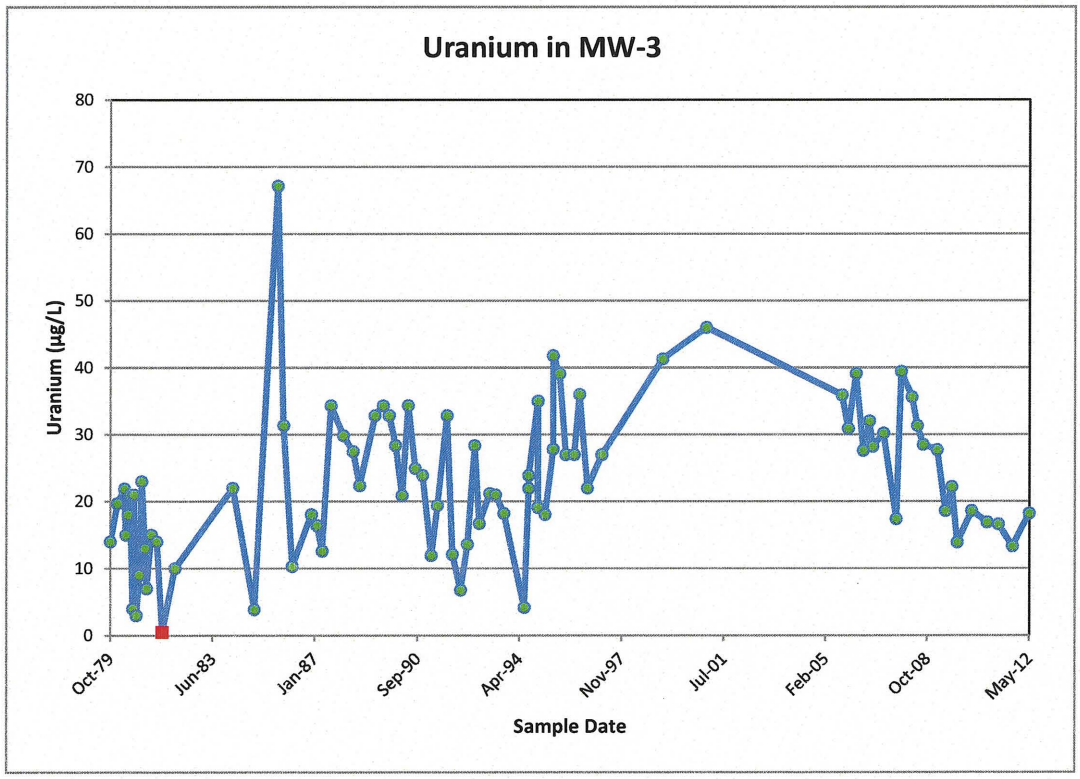




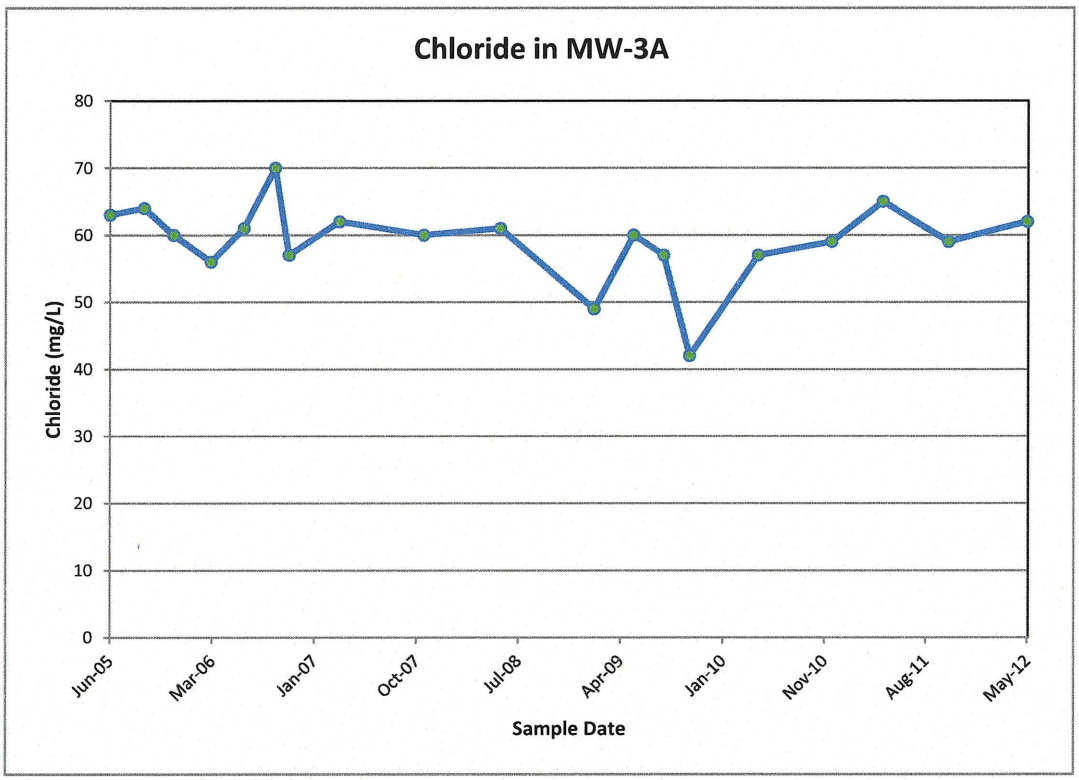
Detected Values
Non-Detected Values

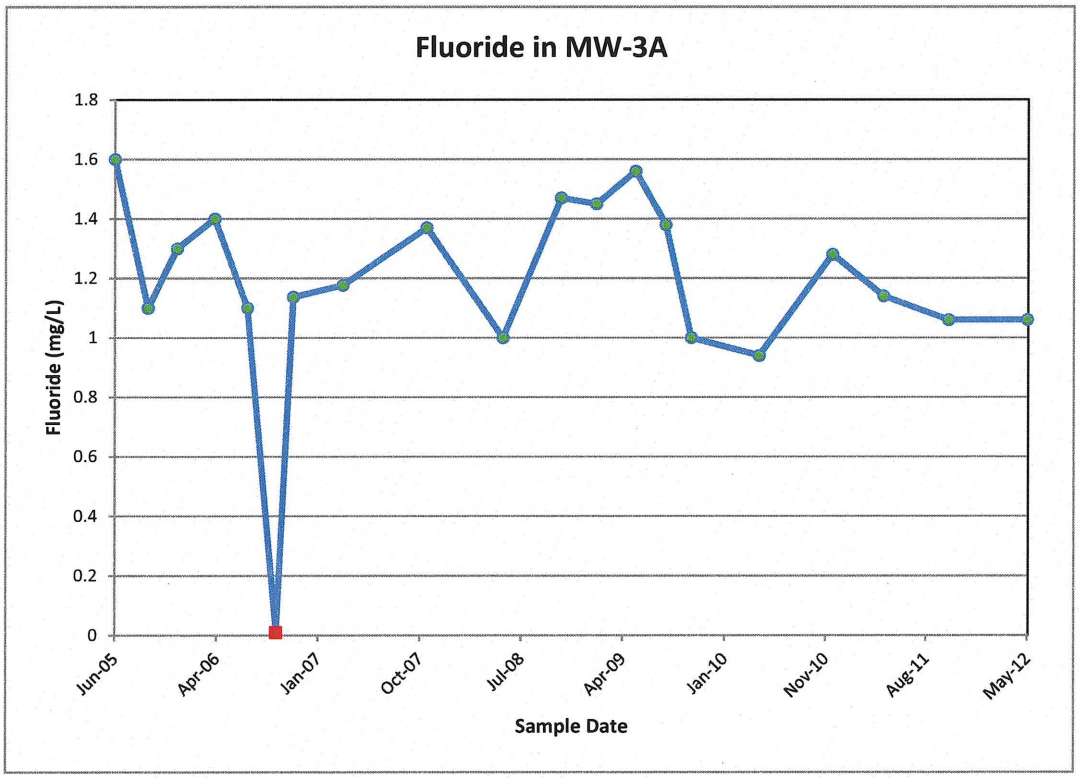
Time concentration plots for MW-3





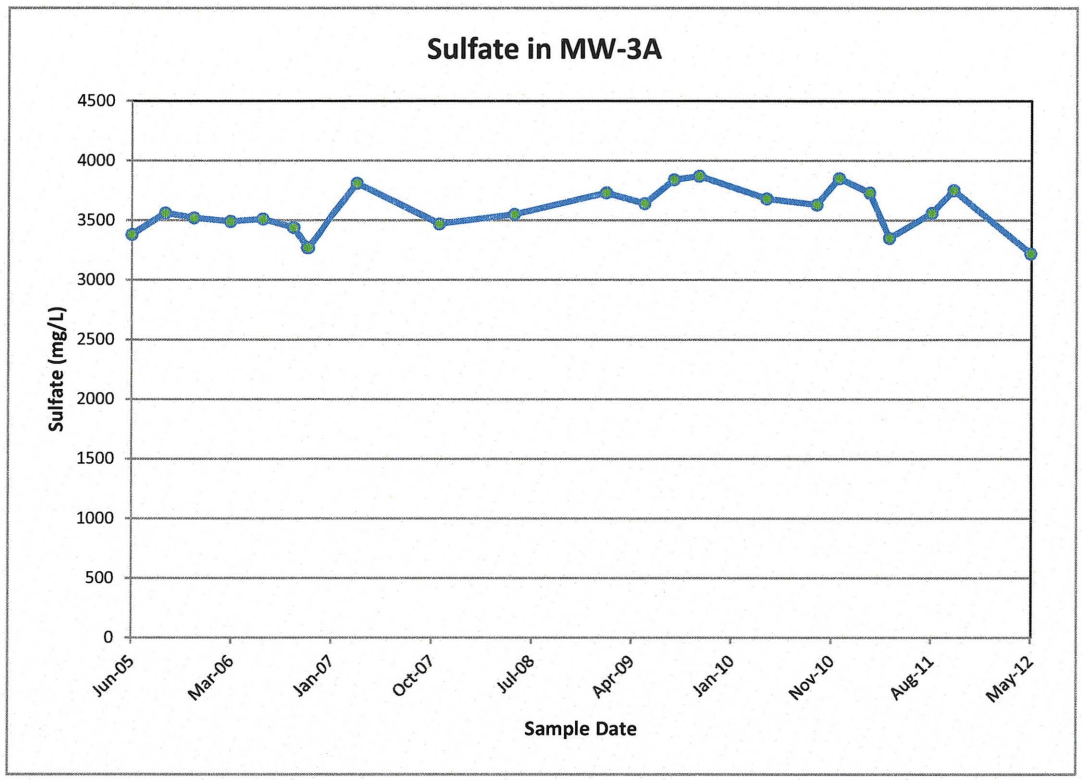
Time concentration plots for MW-3A

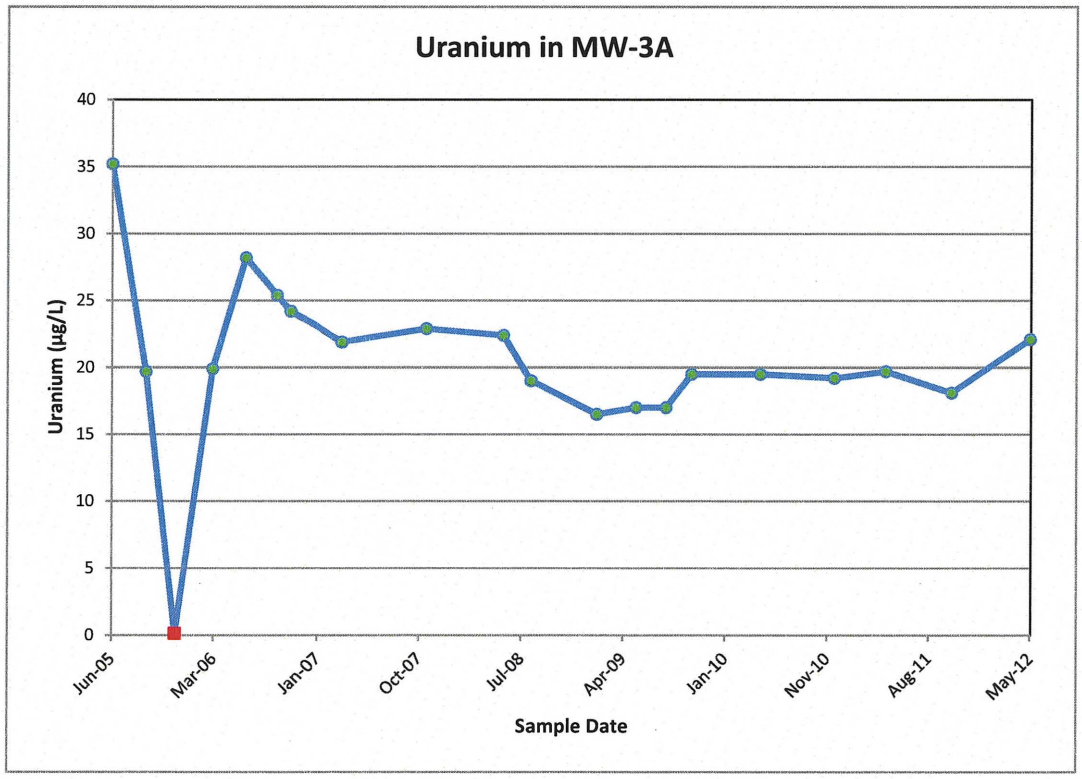




Detected Values
Non-Detected Values

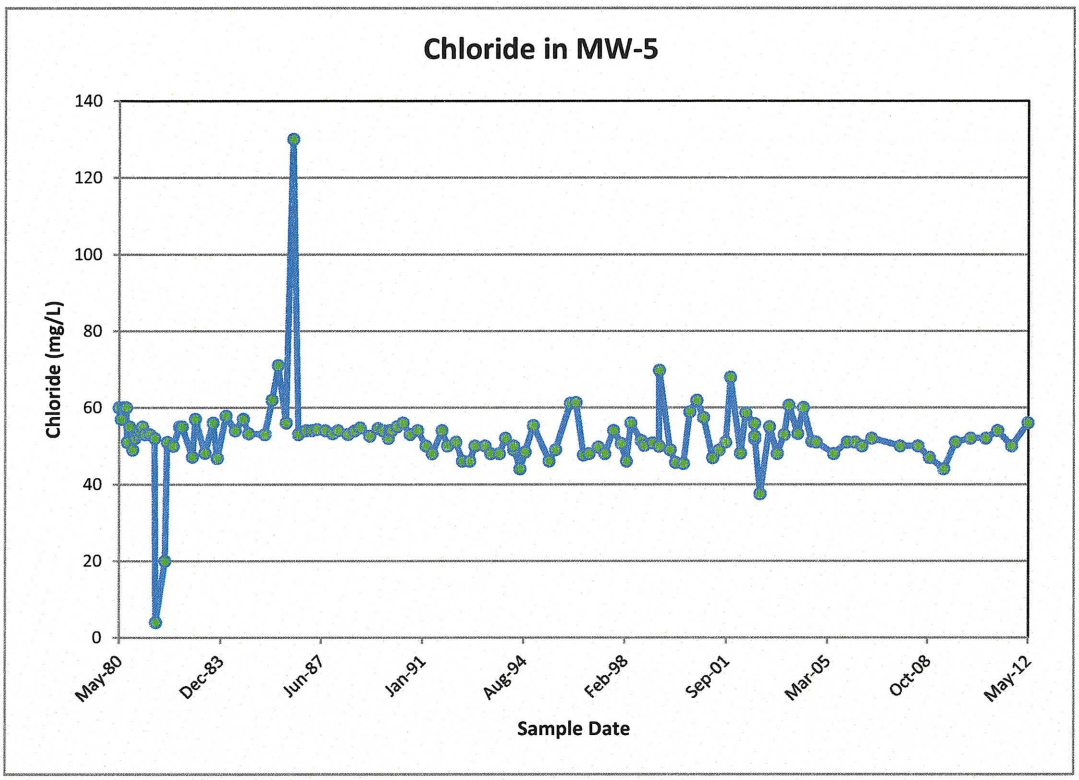
Time concentration plots for MW-3A

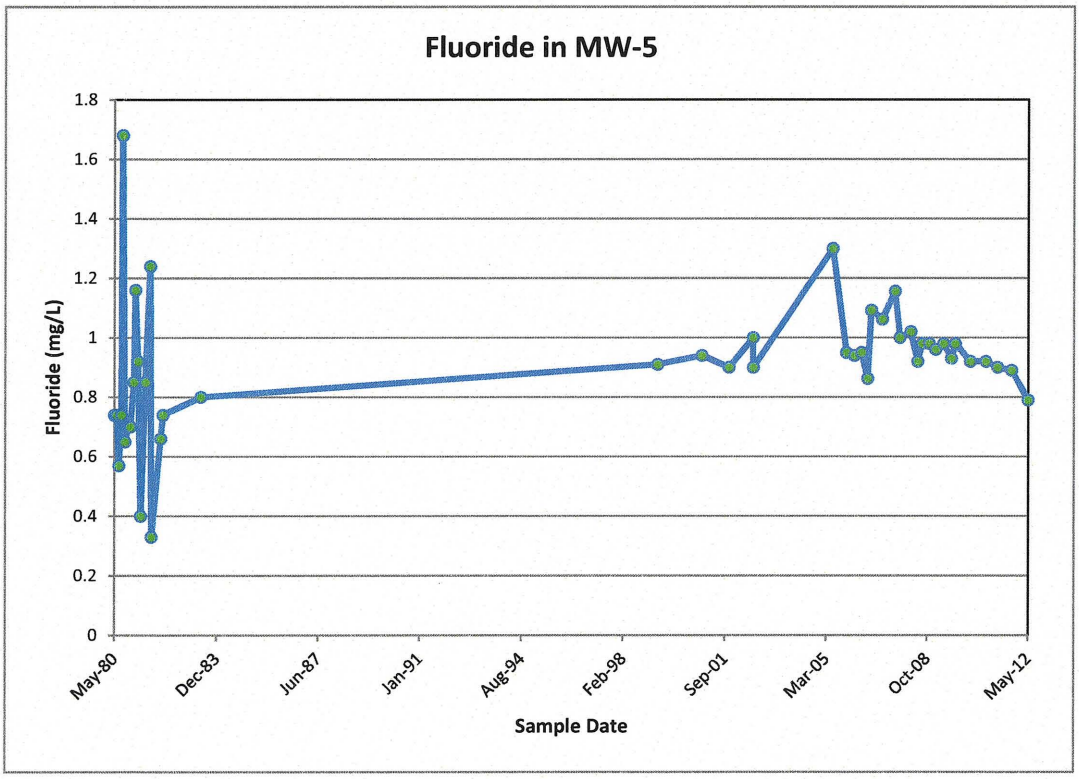




Detected Values
Non-Detected Values

Time concentration plots for MW-5





Detected Values
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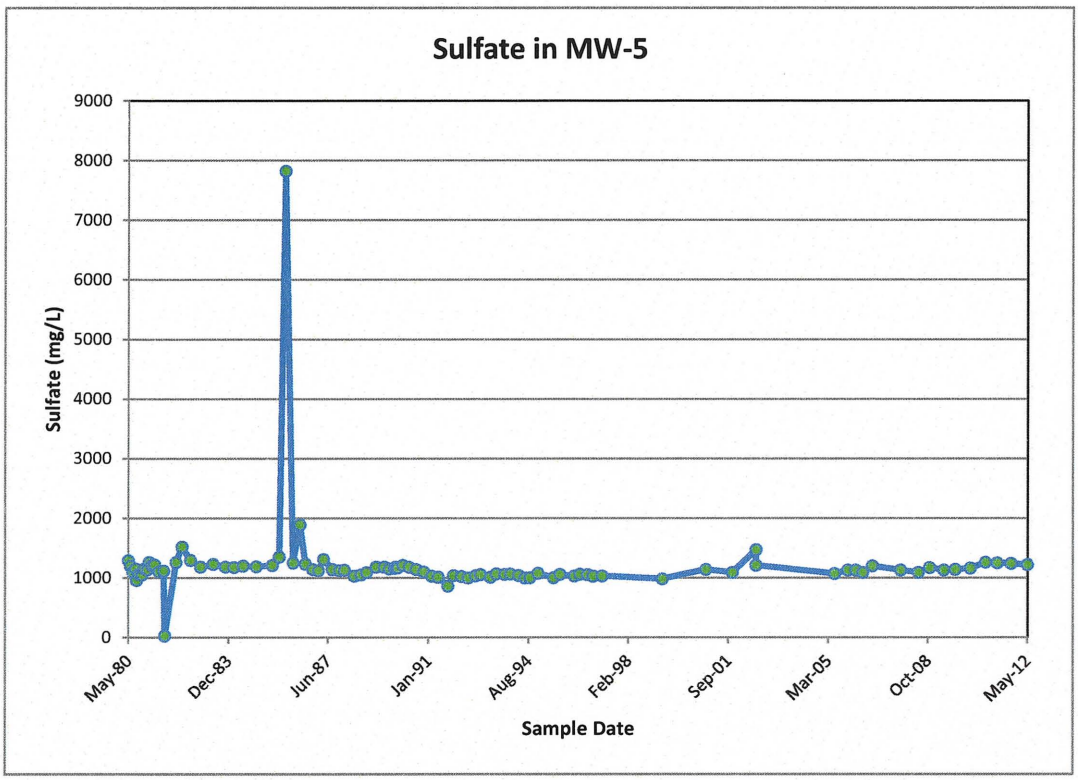
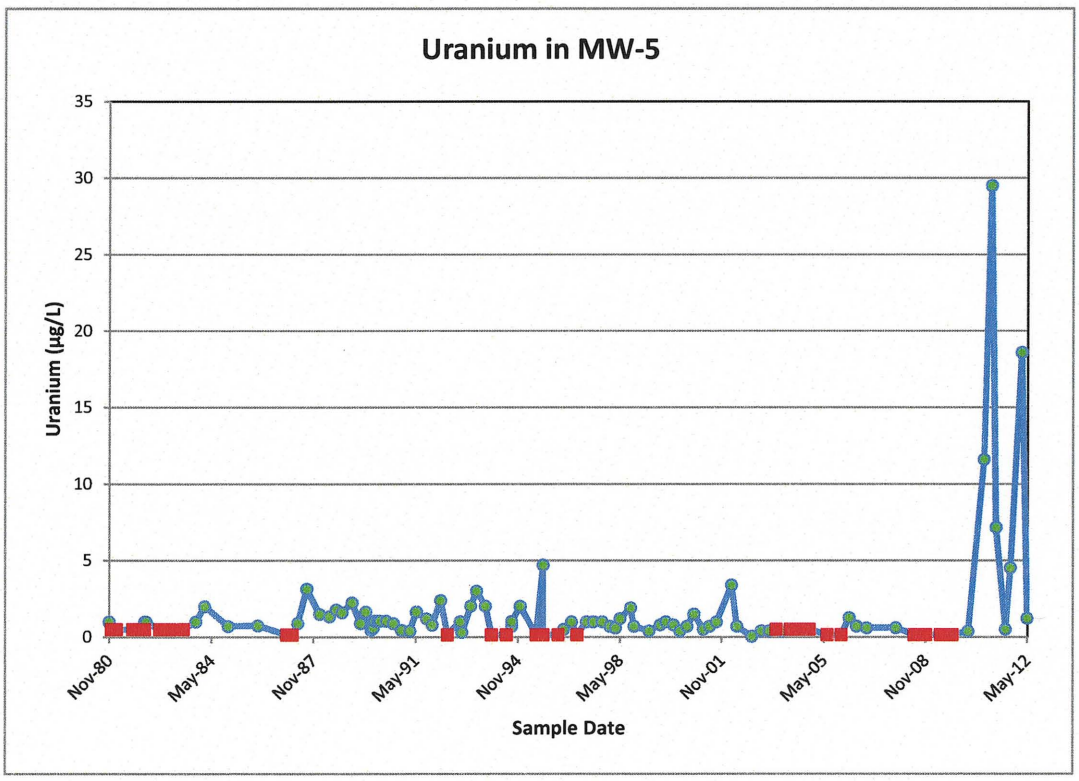
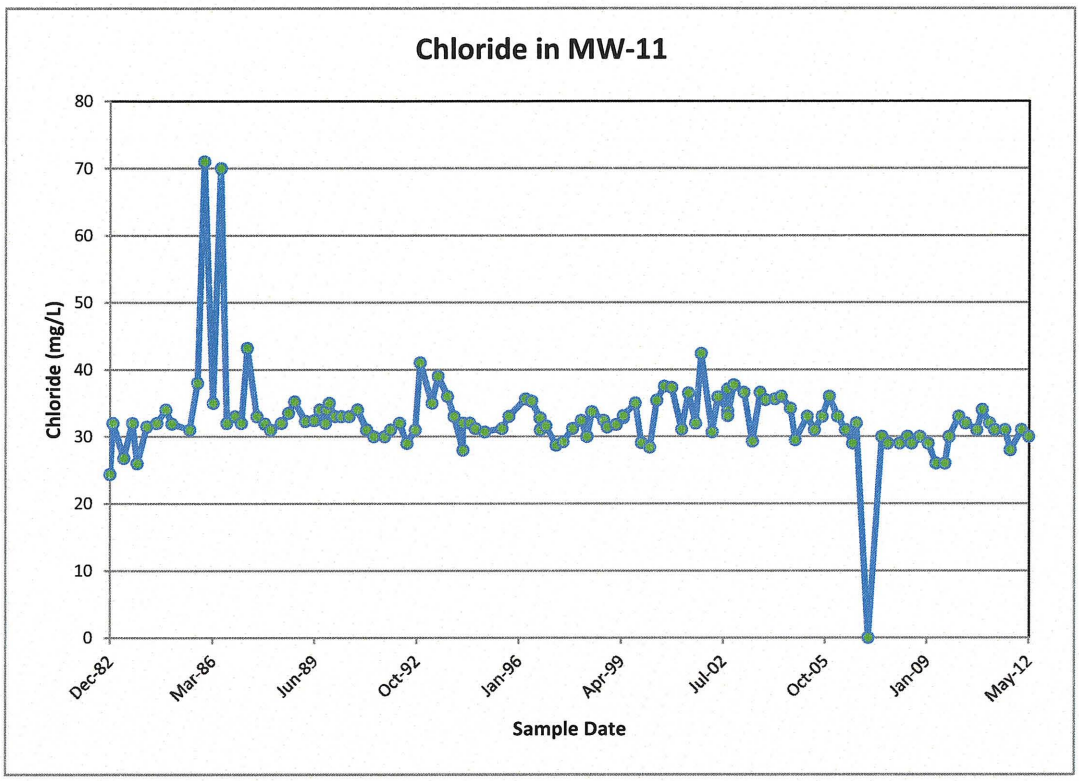
Time concentration plots for MW-5

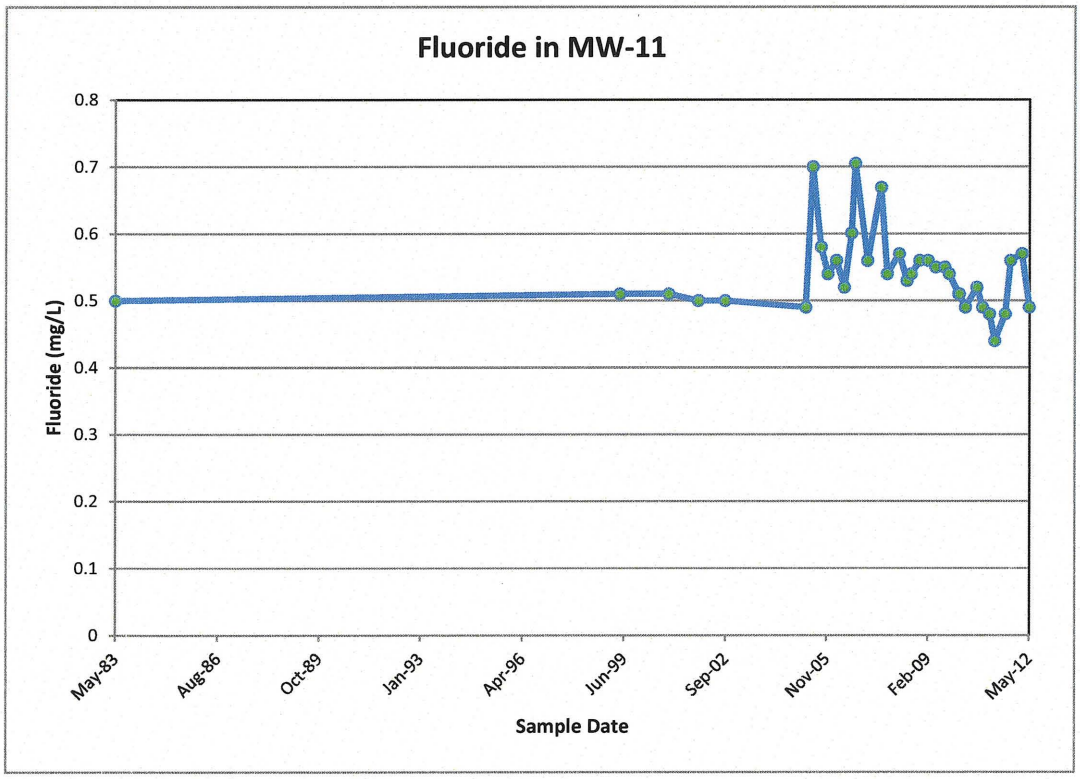




Detected Values
Non-Detected Values

Time concentration plots for MW-11





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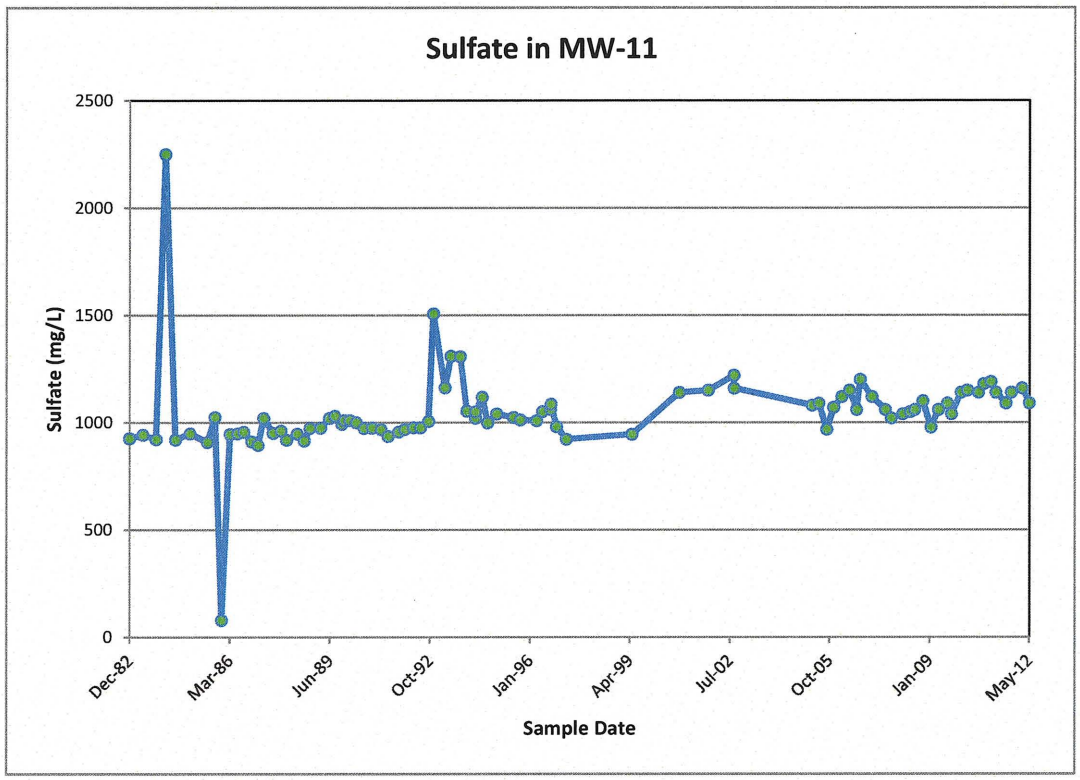
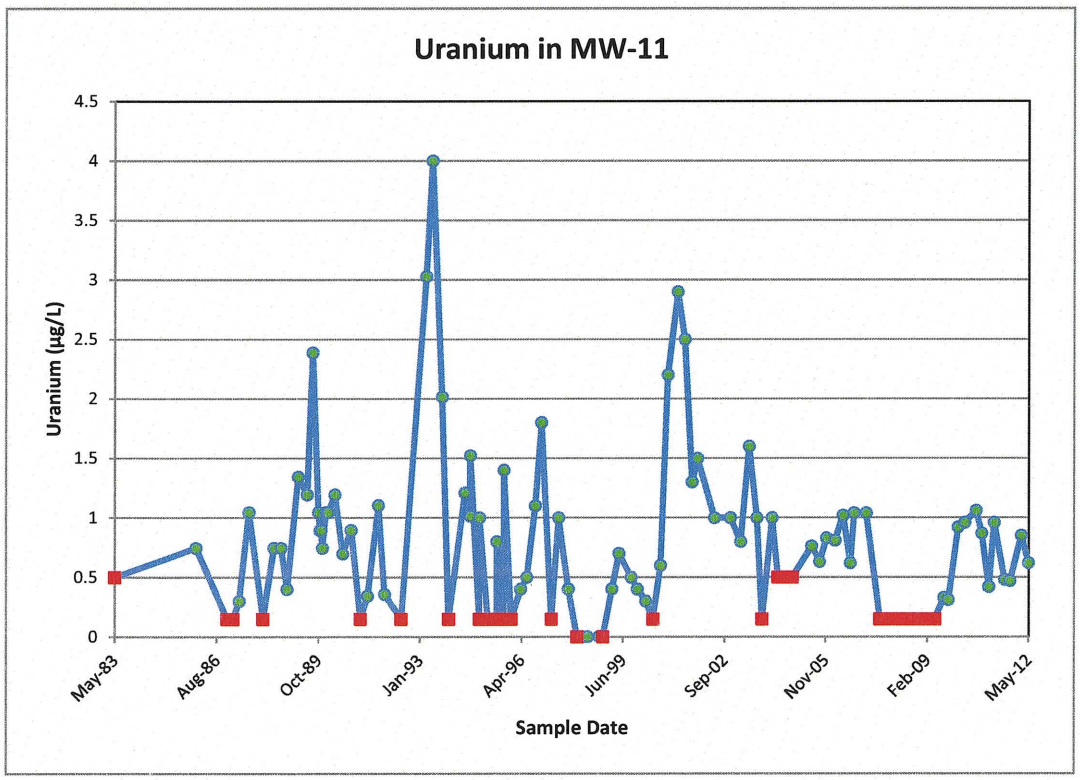
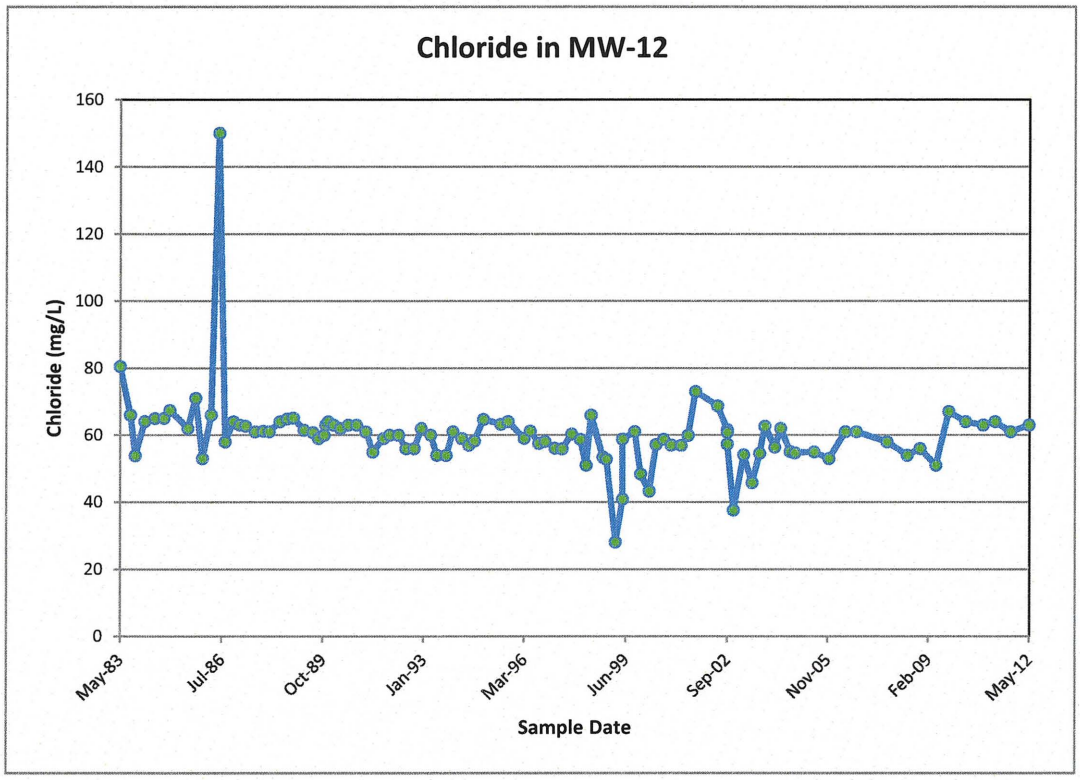
Time concentration plots for MW-11

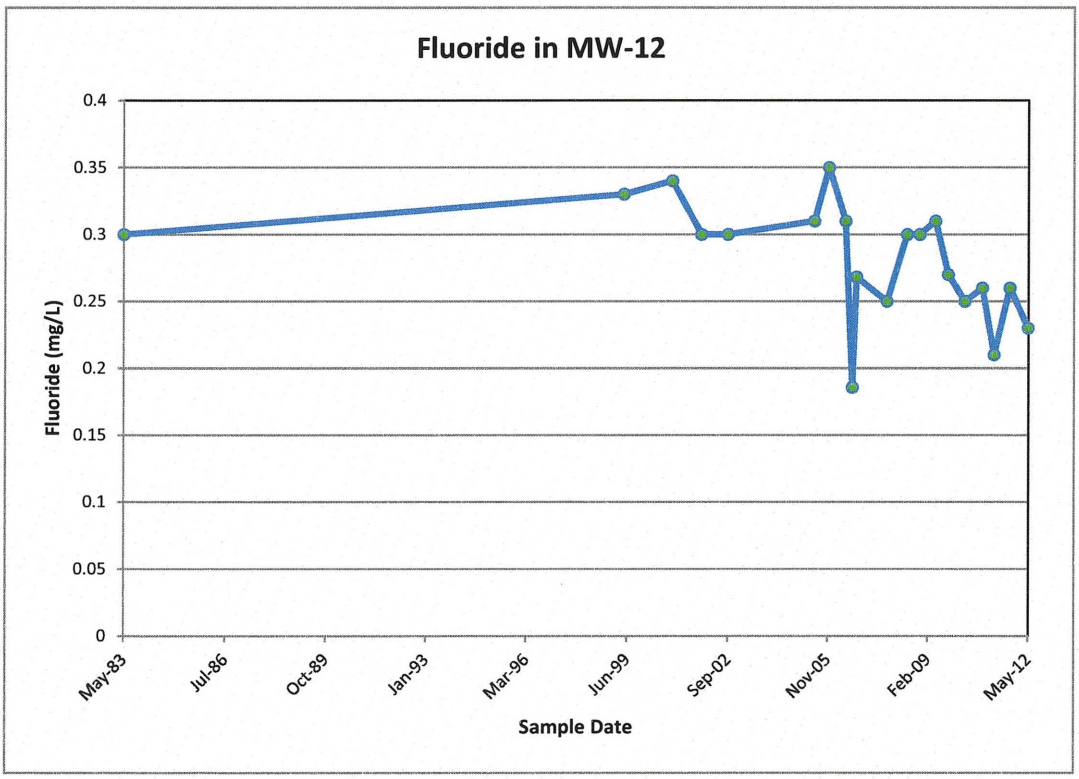




Detected Values
Non-Detected Values

Time concentration plots for MW-12





Detected Values
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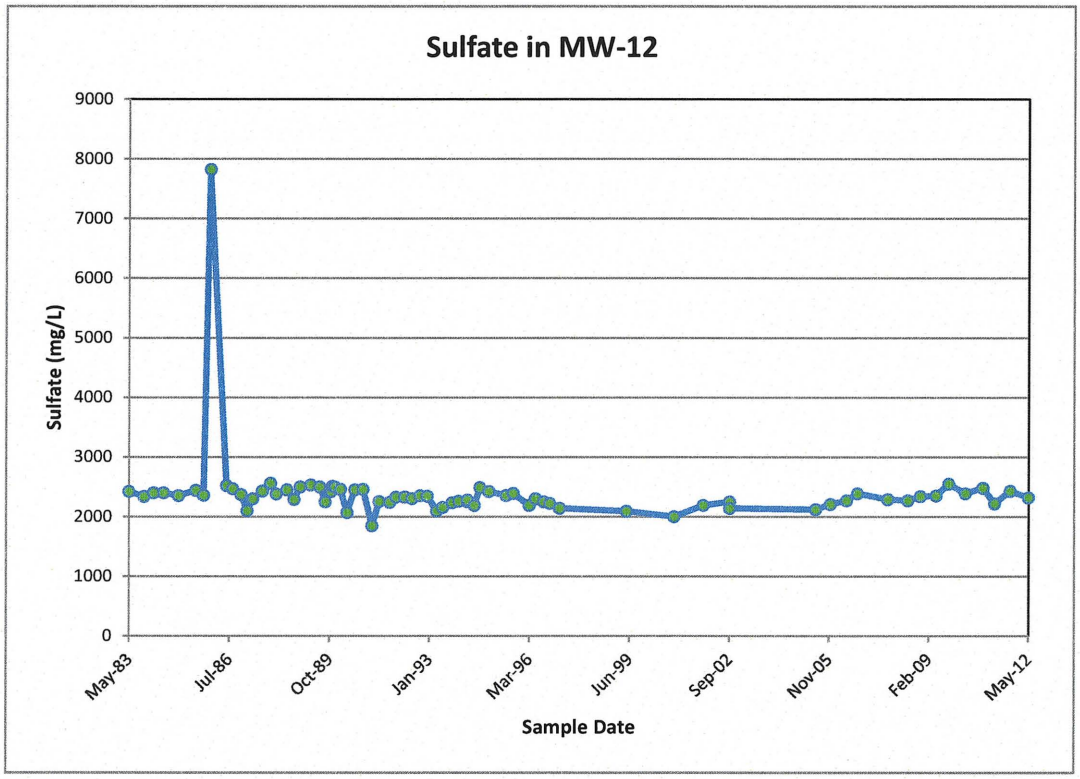
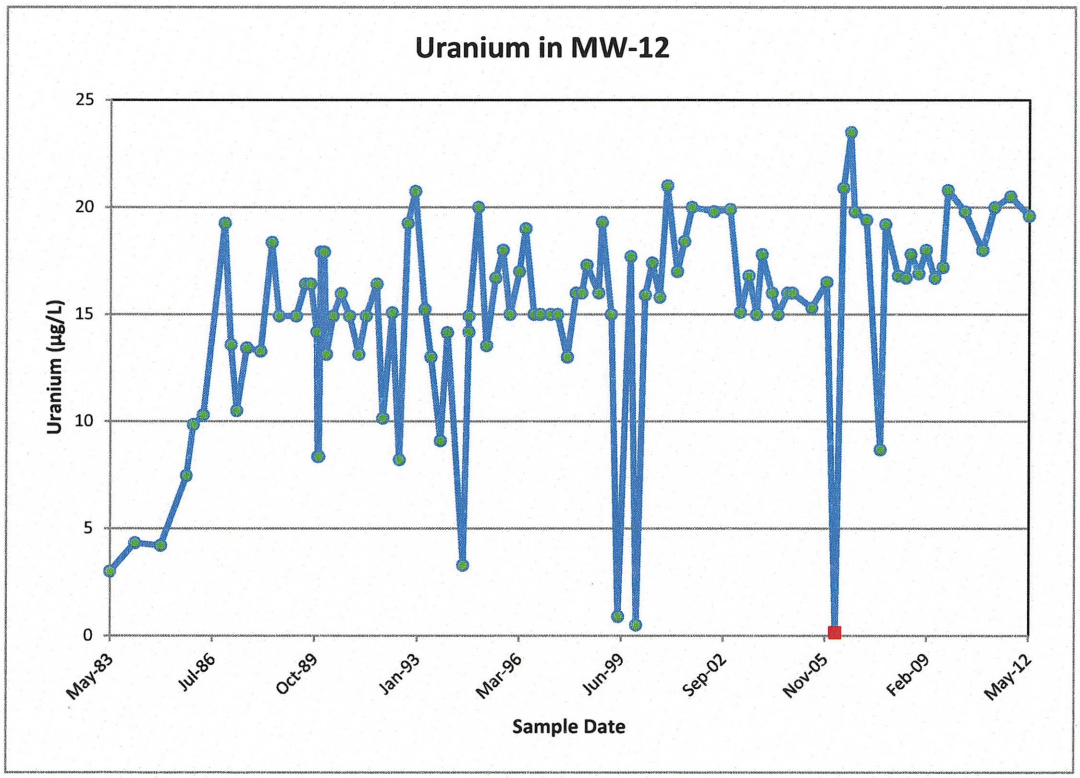
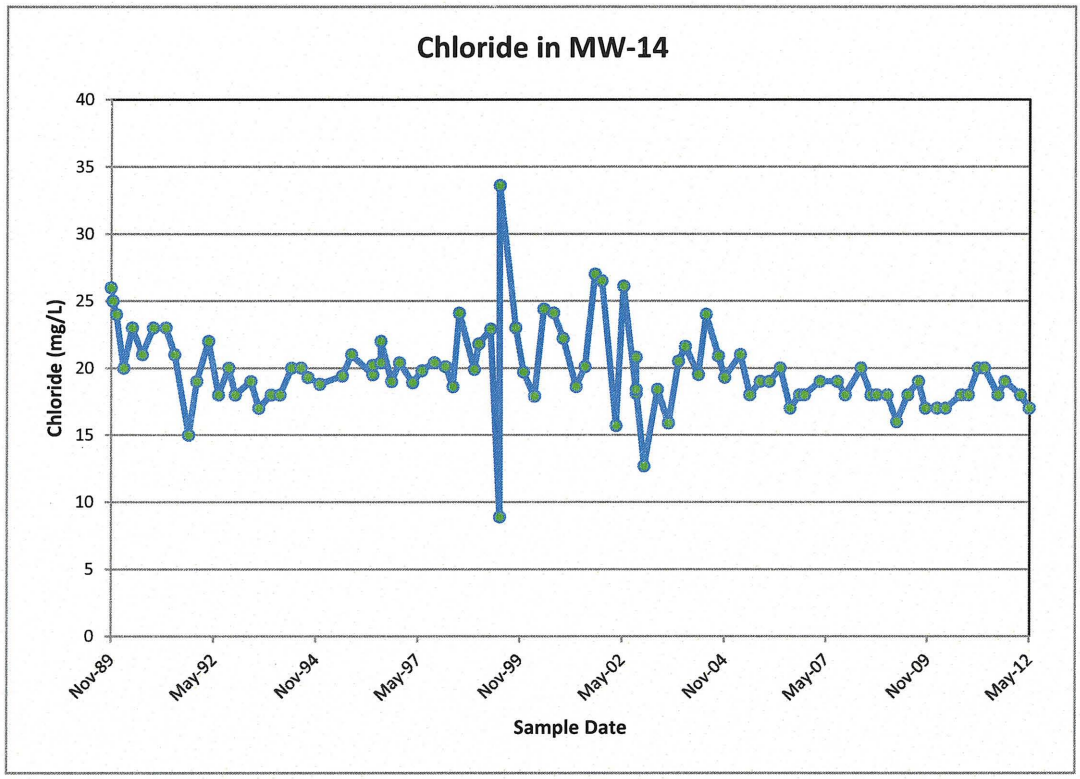
Time concentration plots for MW-12

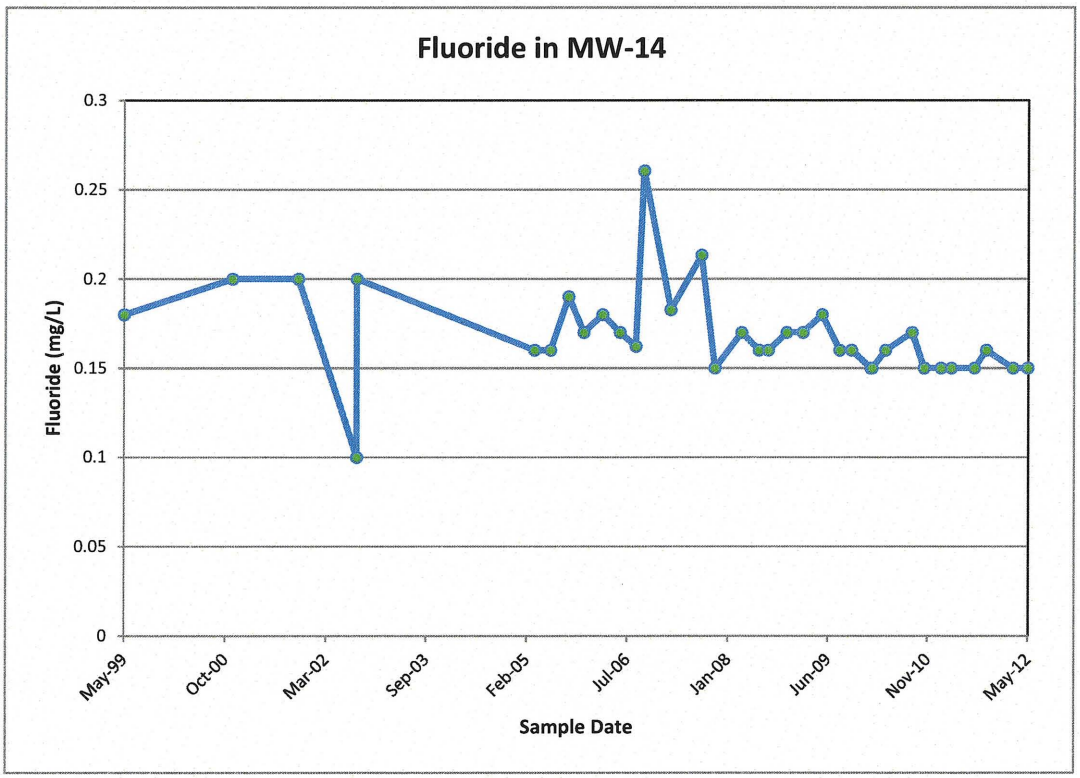




Detected Values
Non-Detected Values

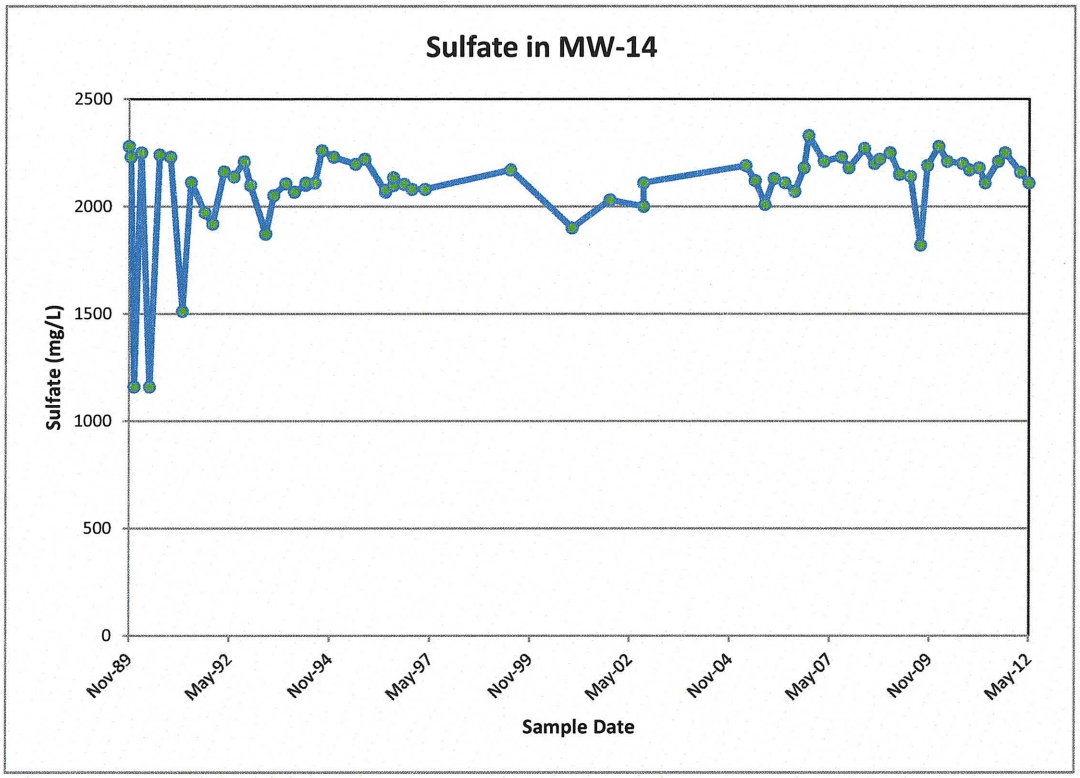
Time concentration plots for MW-14

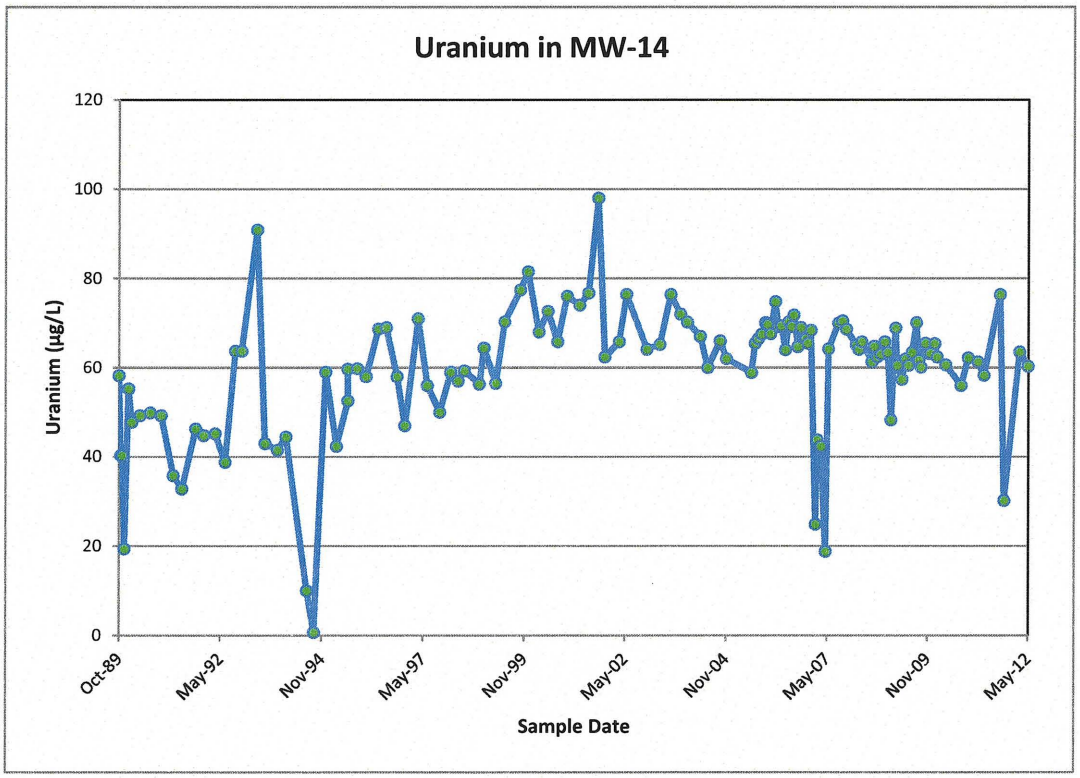




Detected Values
Non-Detected Values

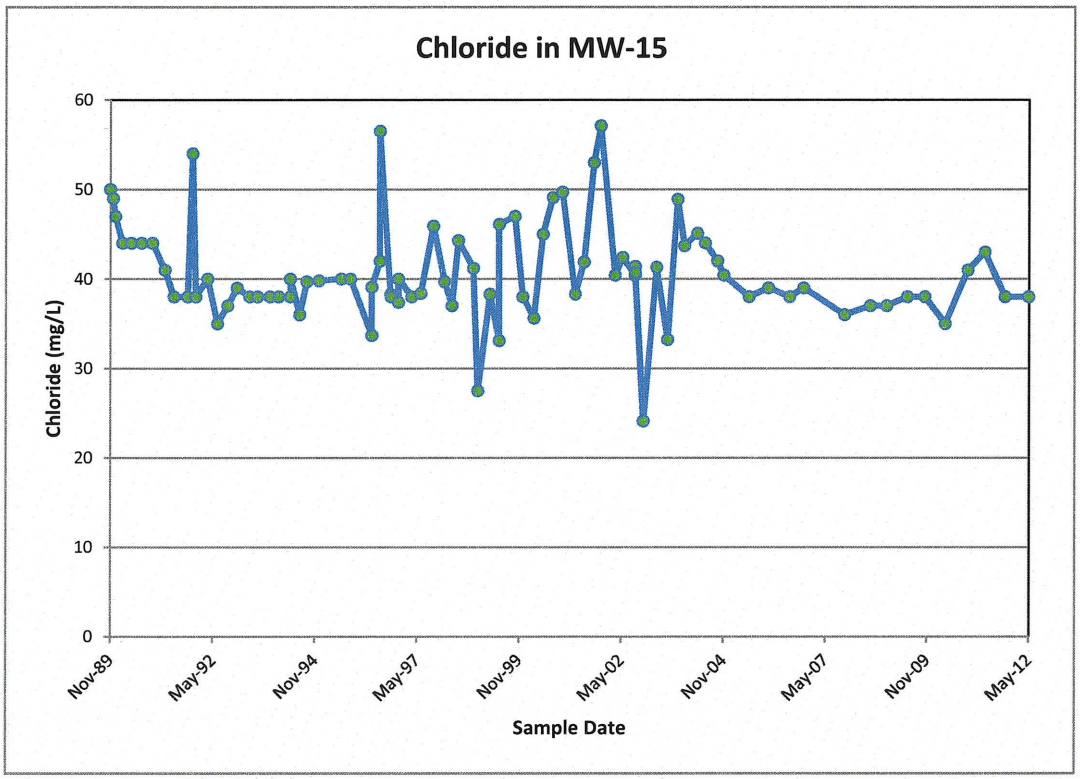
Time concentration plots for MW-14

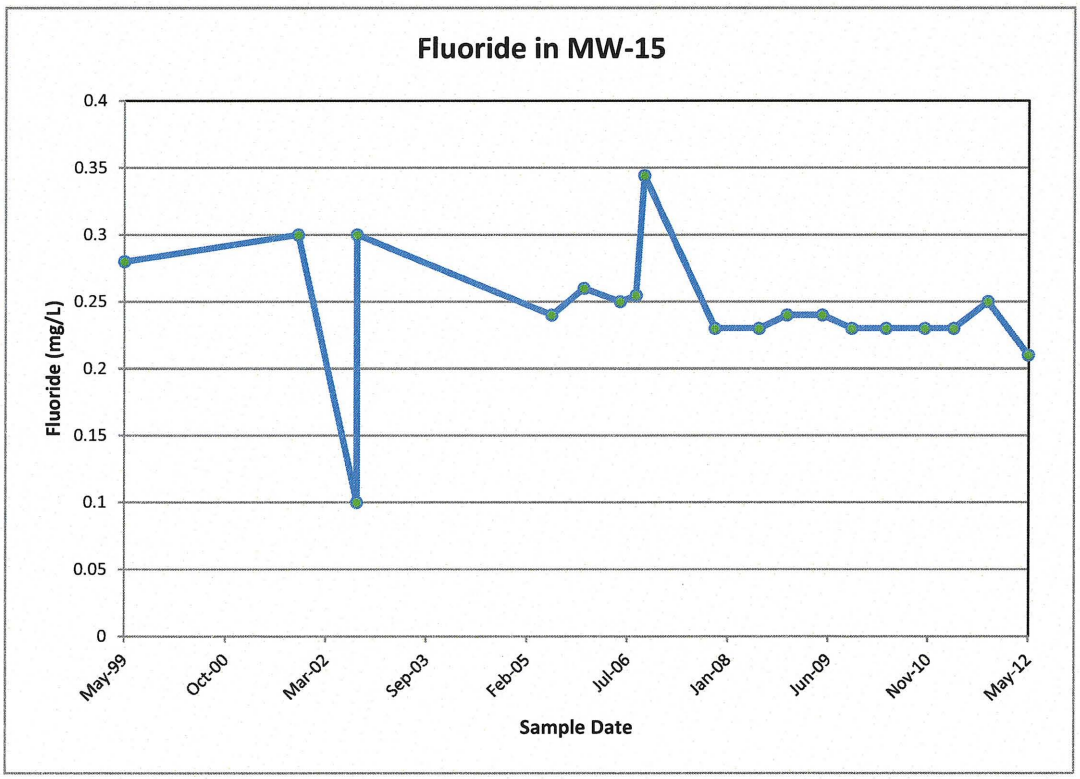




Detected Values
Non-Detected Values

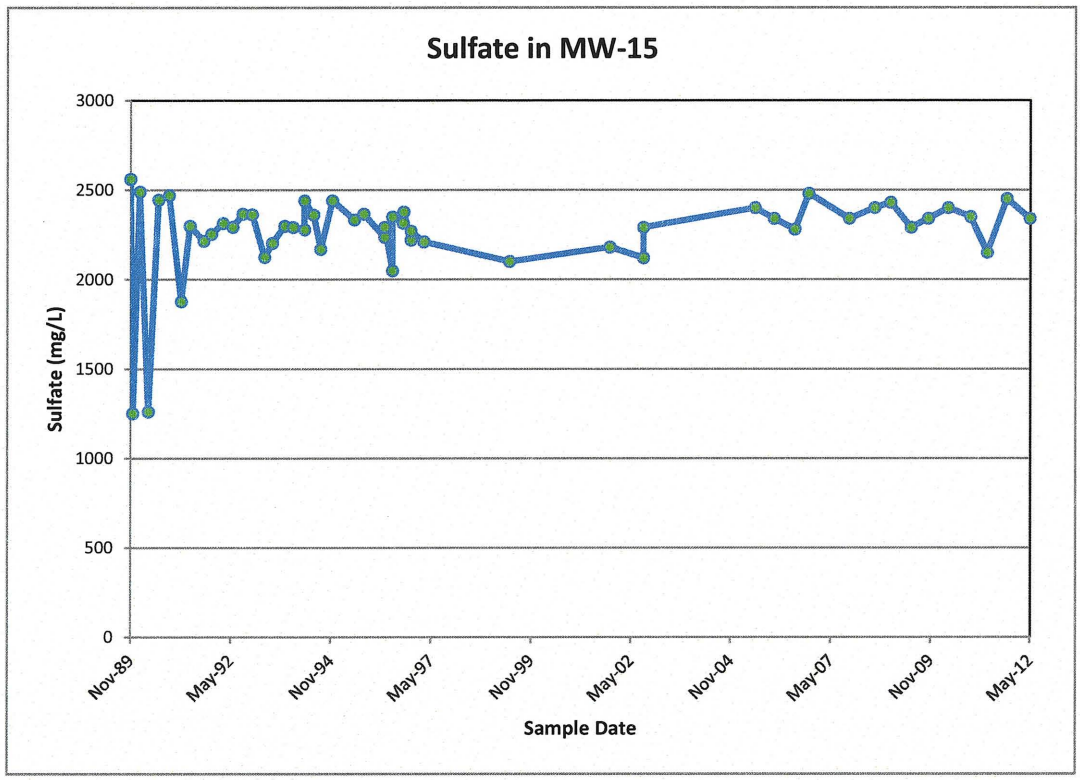
Time concentration plots for MW-15

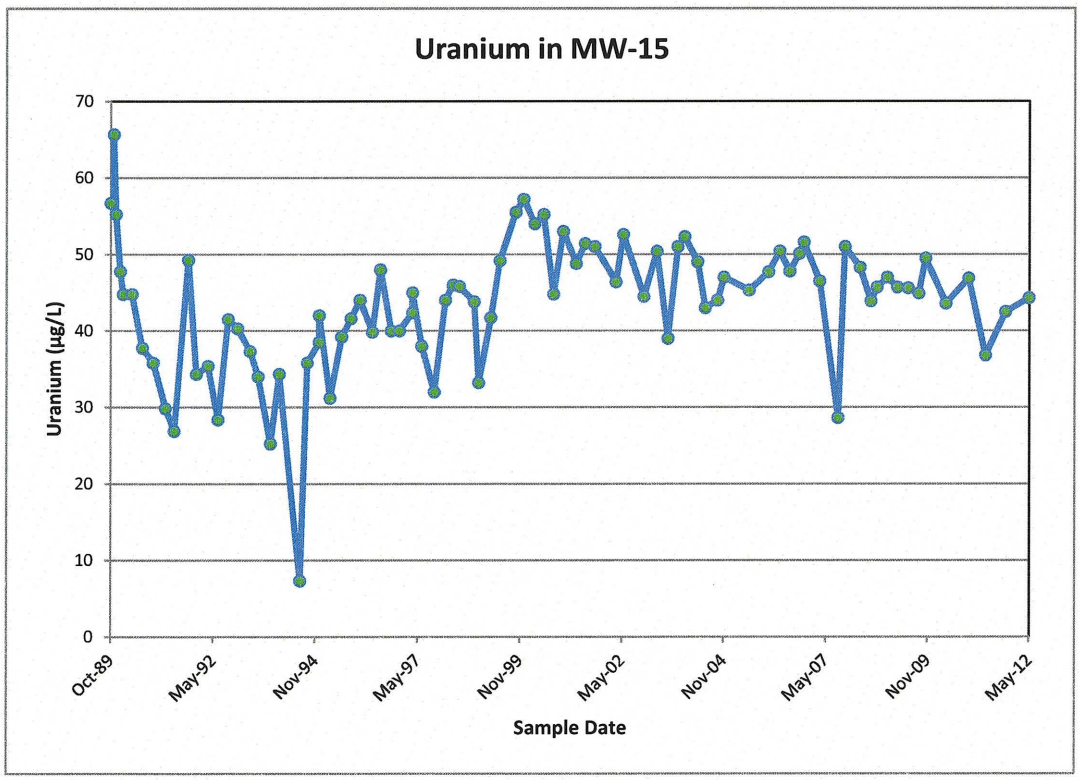




Detected Values
Non-Detected Values

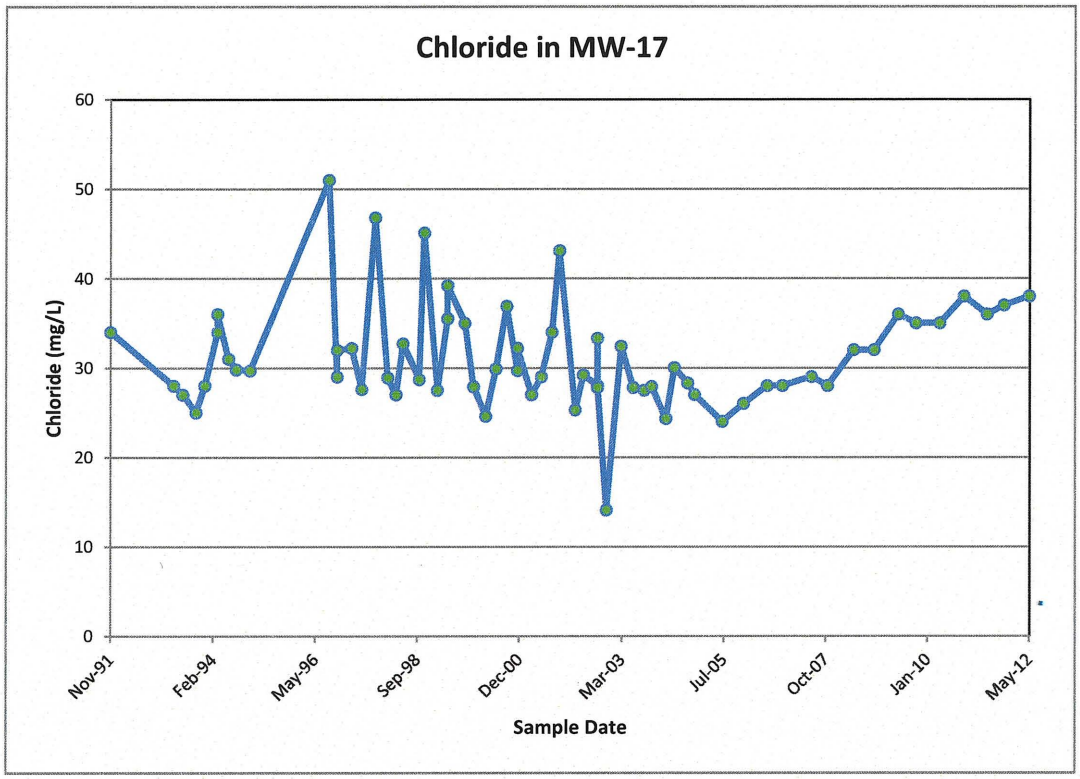
Time concentration plots for MW-15

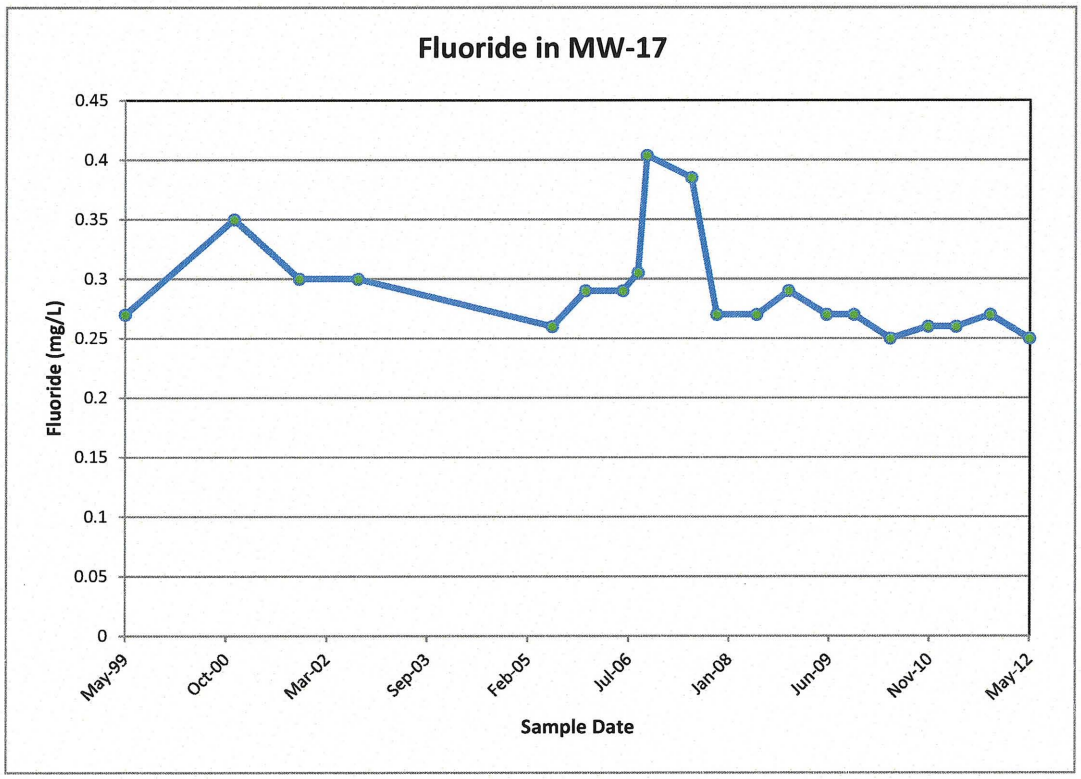




Detected Values
Non-Detected Values

Time concentration plots for MW-17





Detected Values
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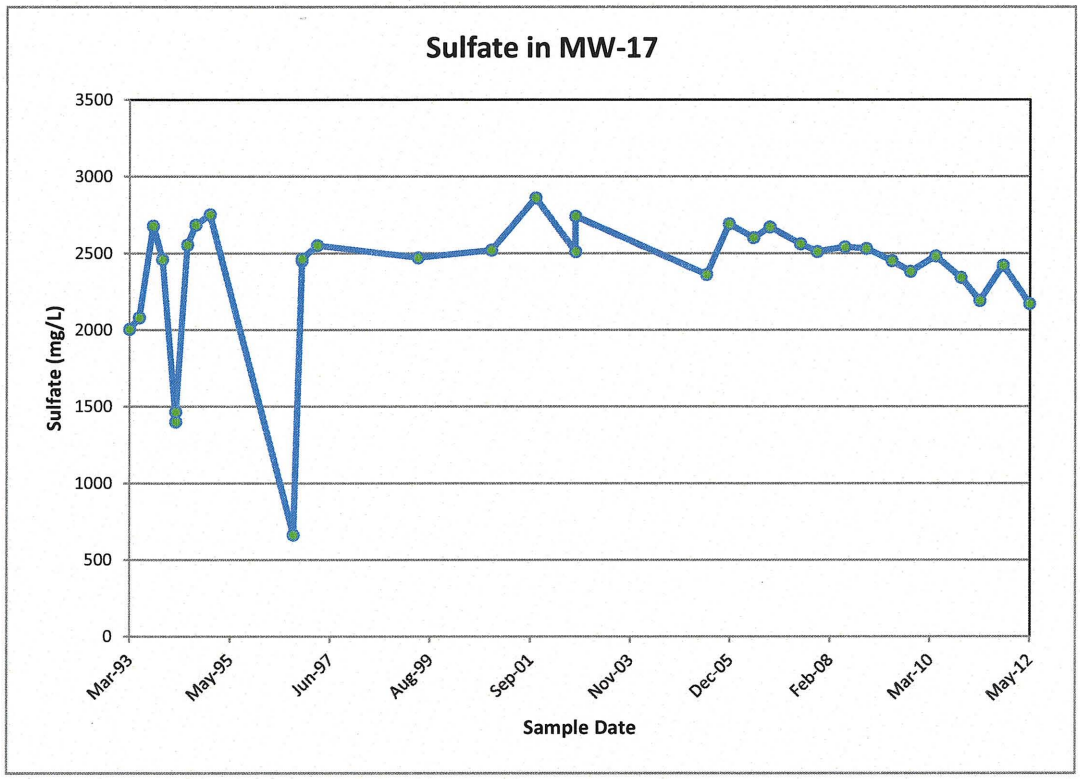
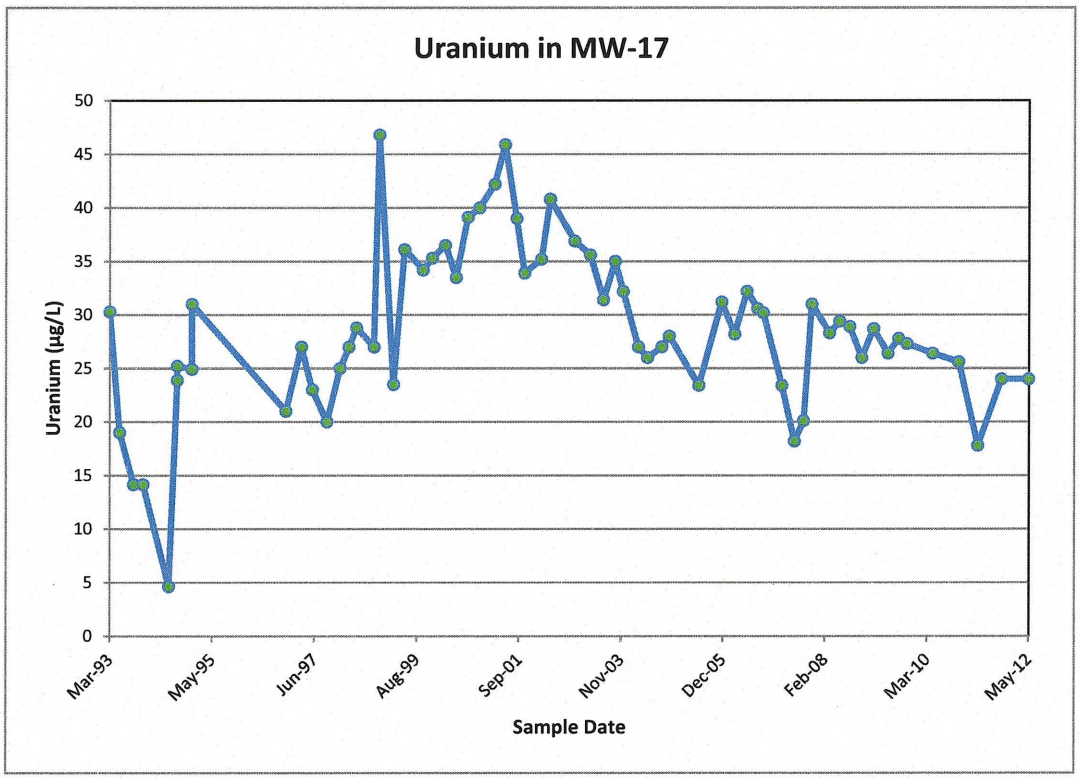
Time concentration plots for MW-17





Detected Values
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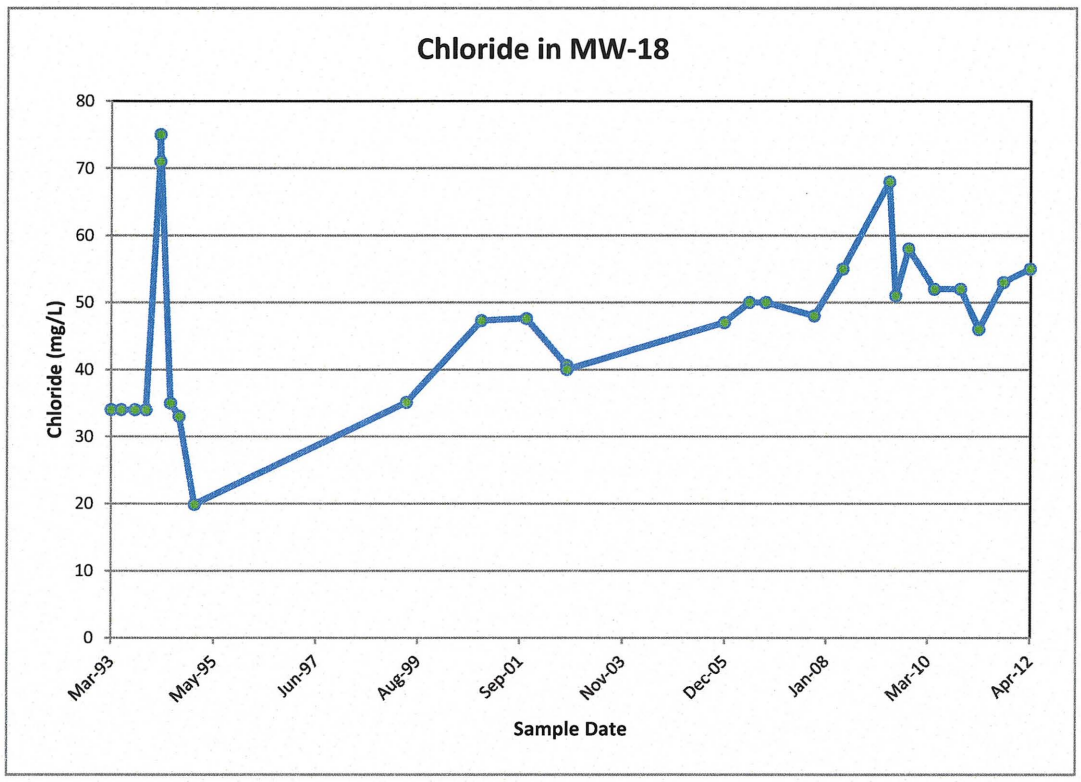
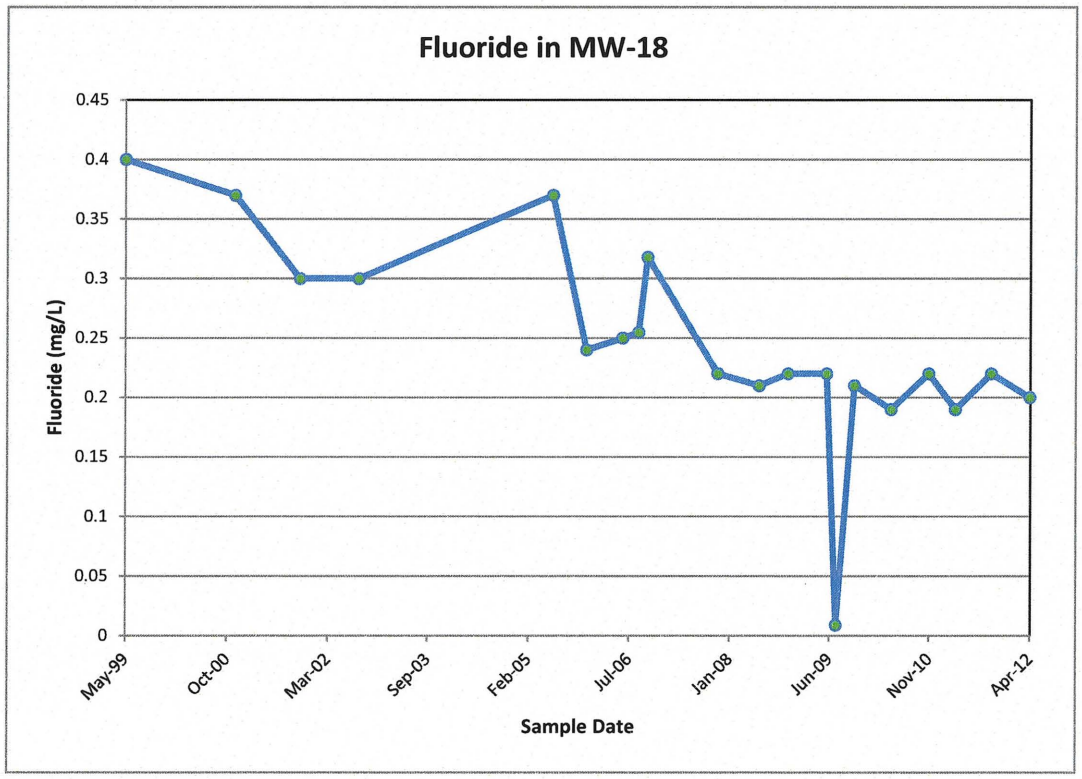
Time concentration plots for MW-18





Detected Values
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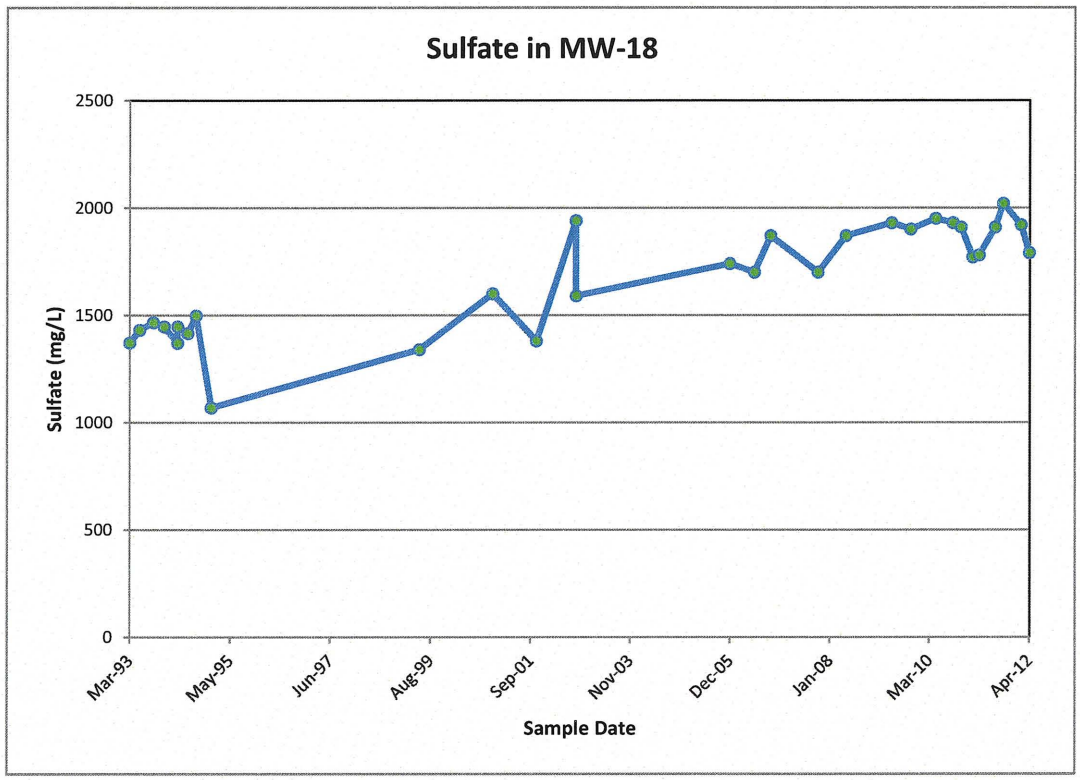
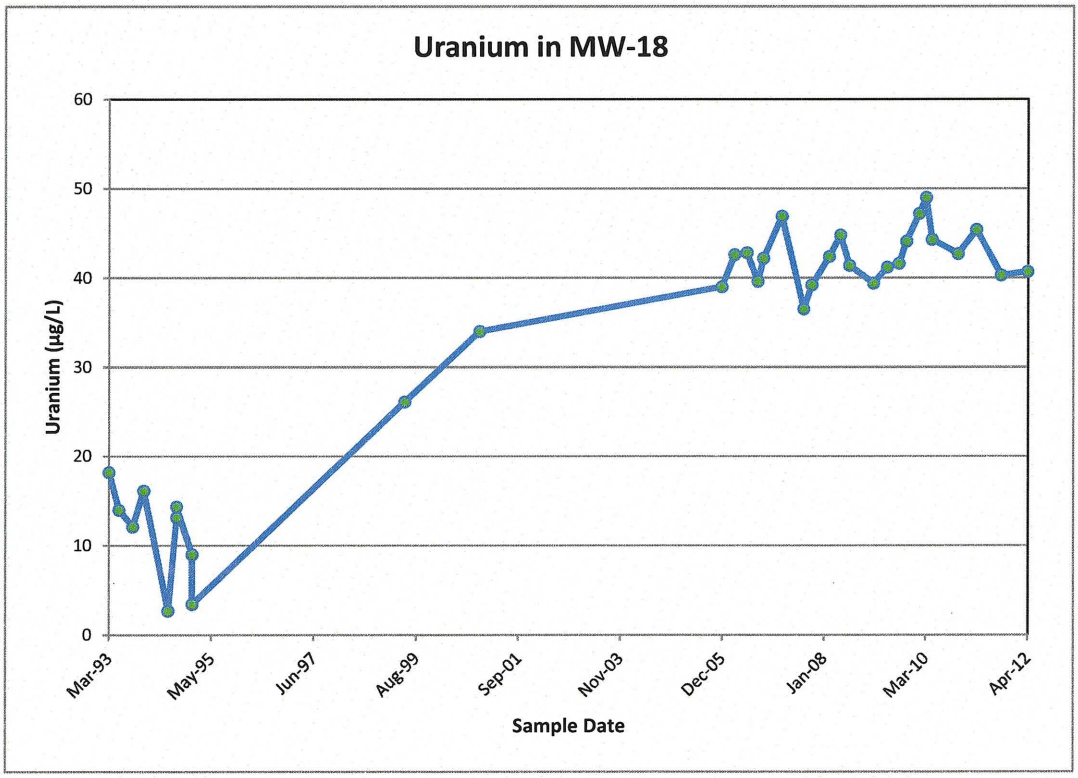
Time concentration plots for MW-18





Detected Values
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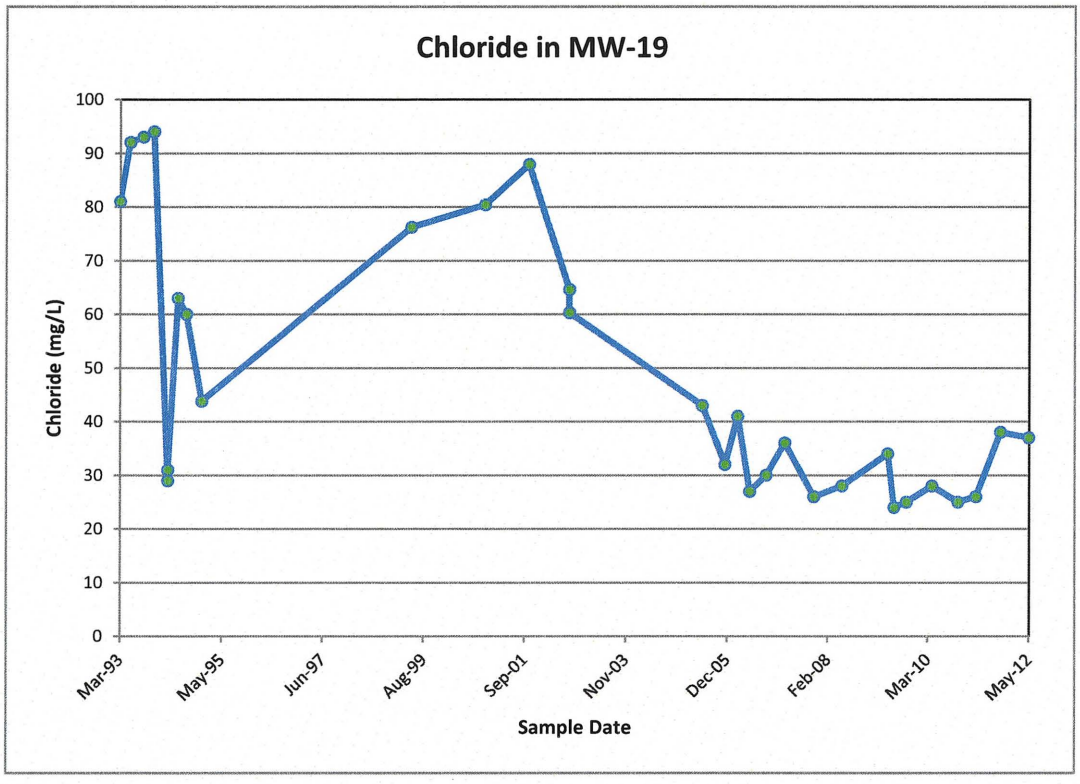
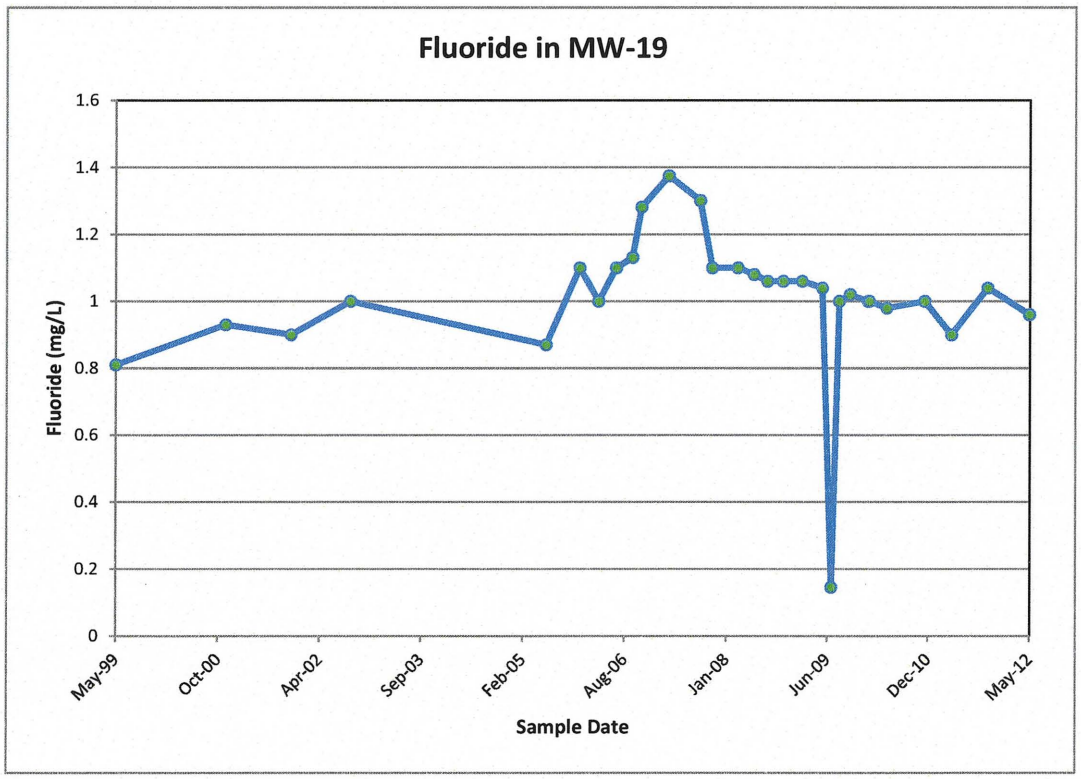
Time concentration plots for MW-19





Detected Values
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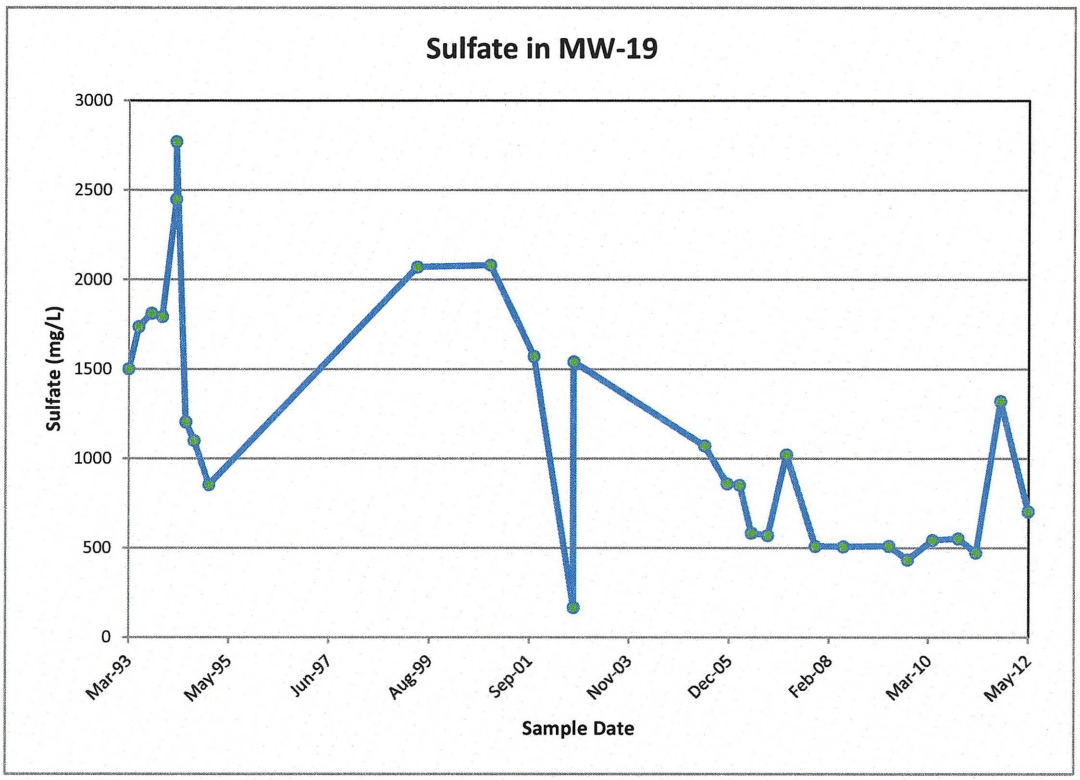
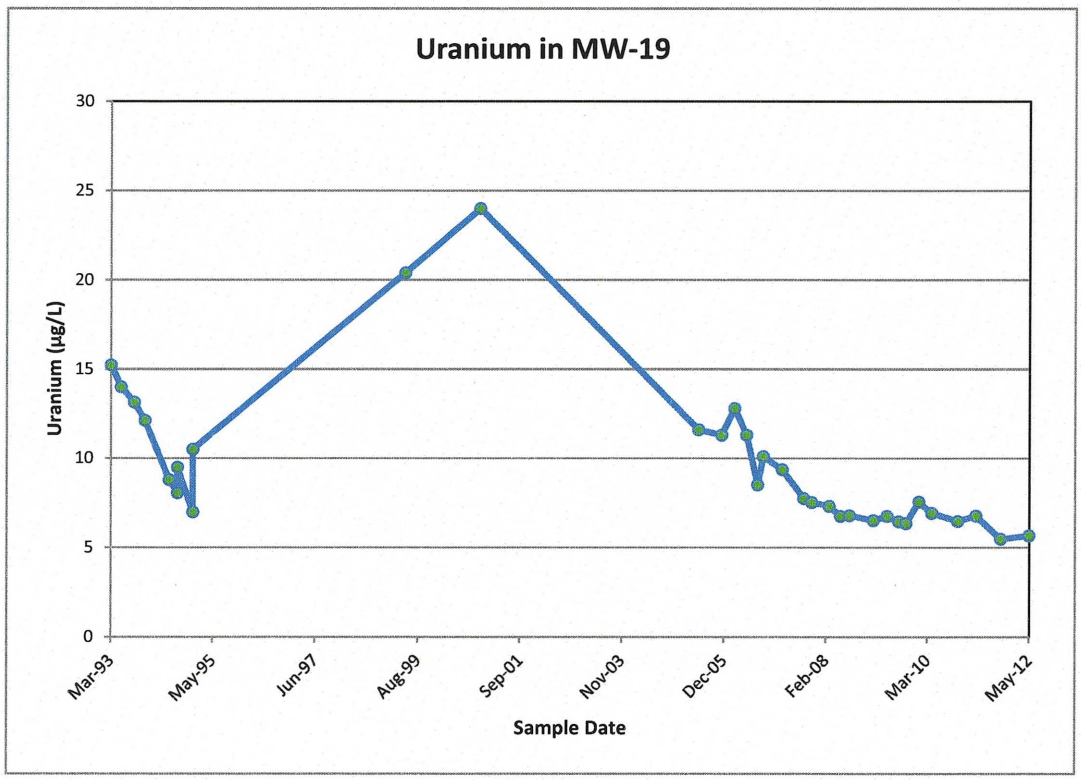
Time concentration plots for MW-19





Detected Values
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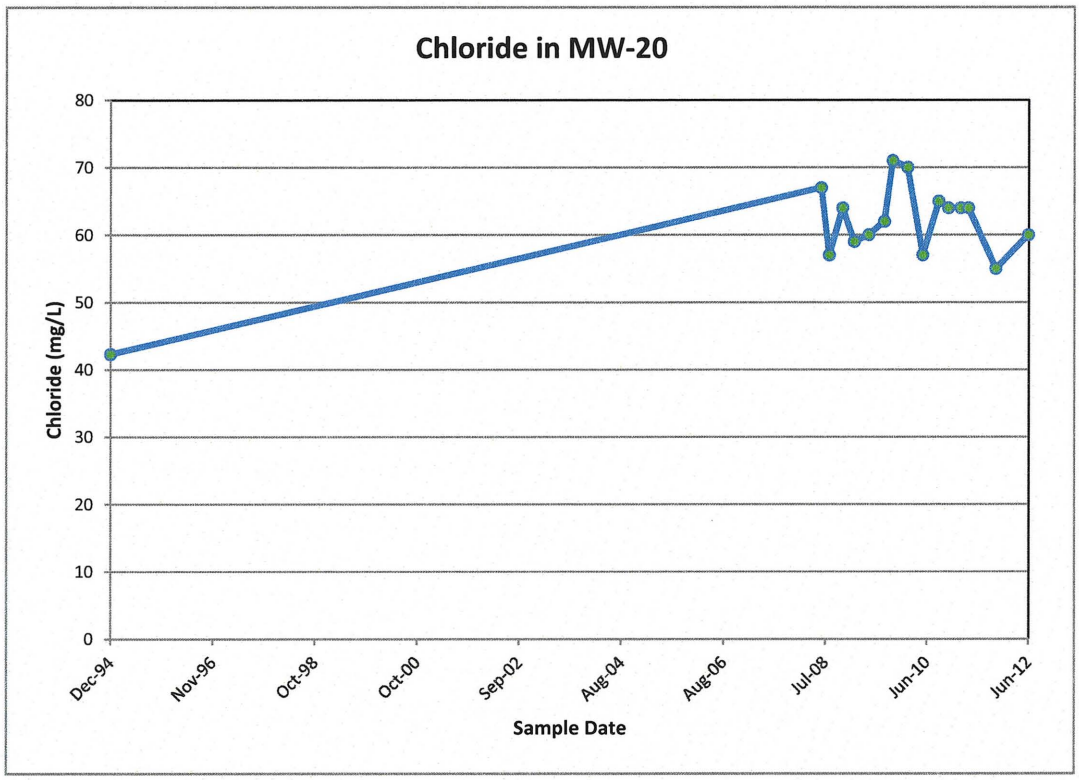
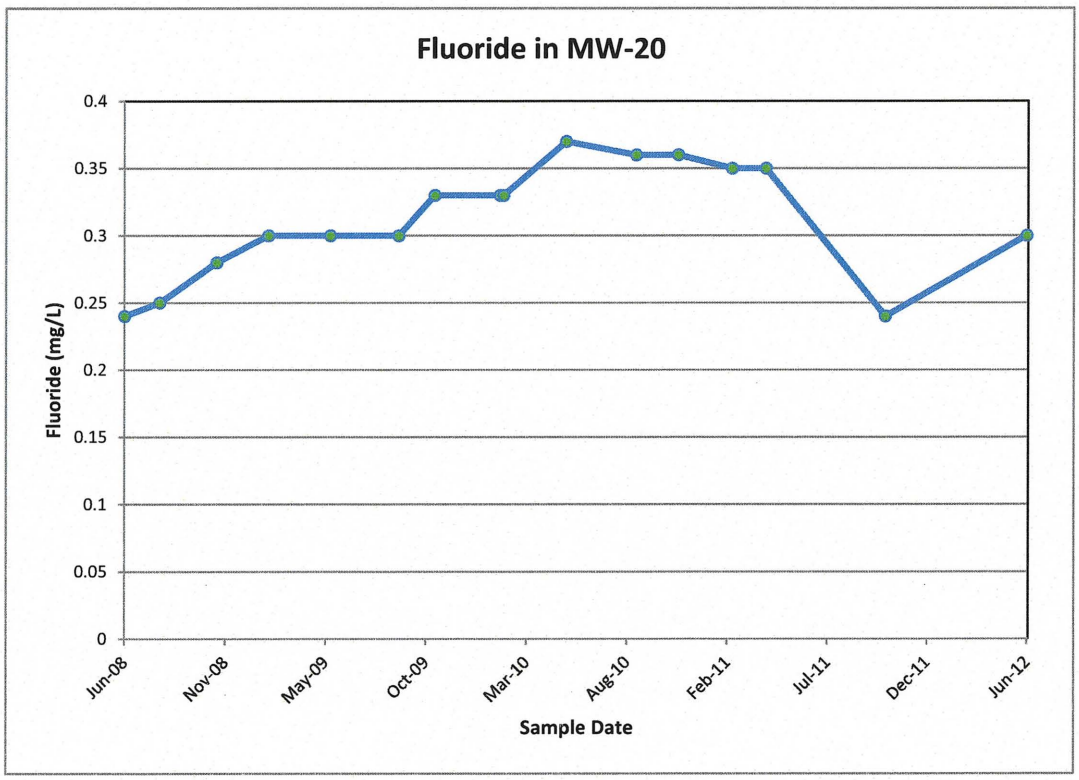
Time concentration plots for MW-20





Detected Values
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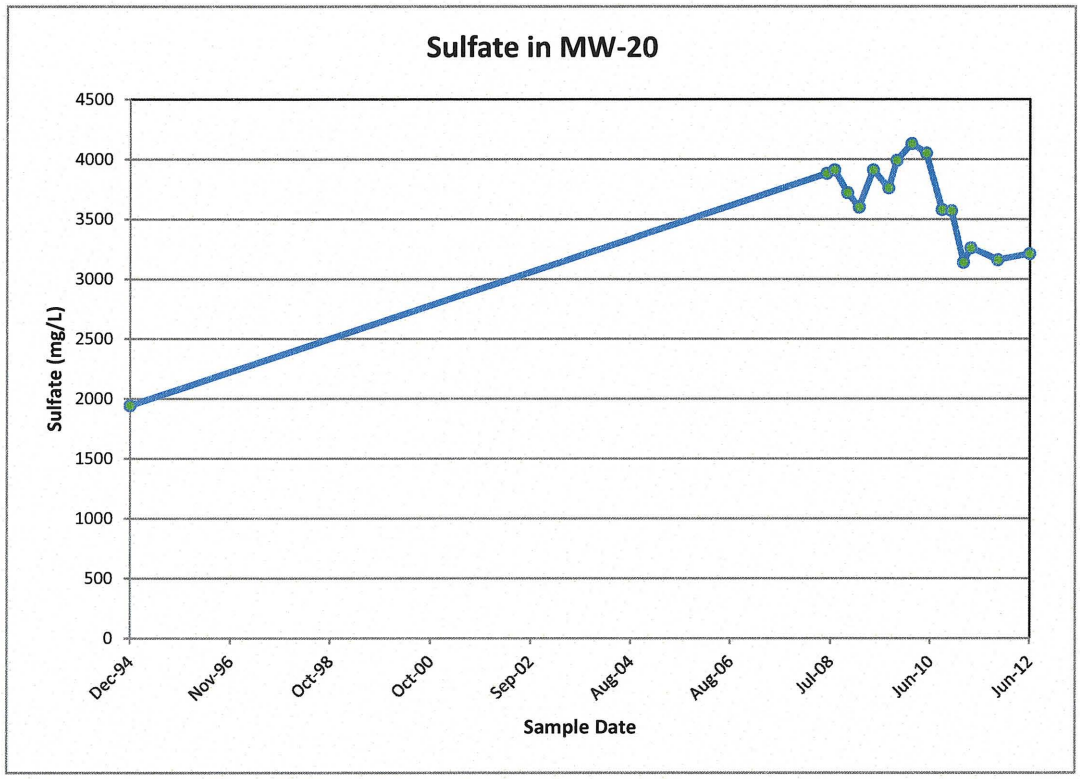
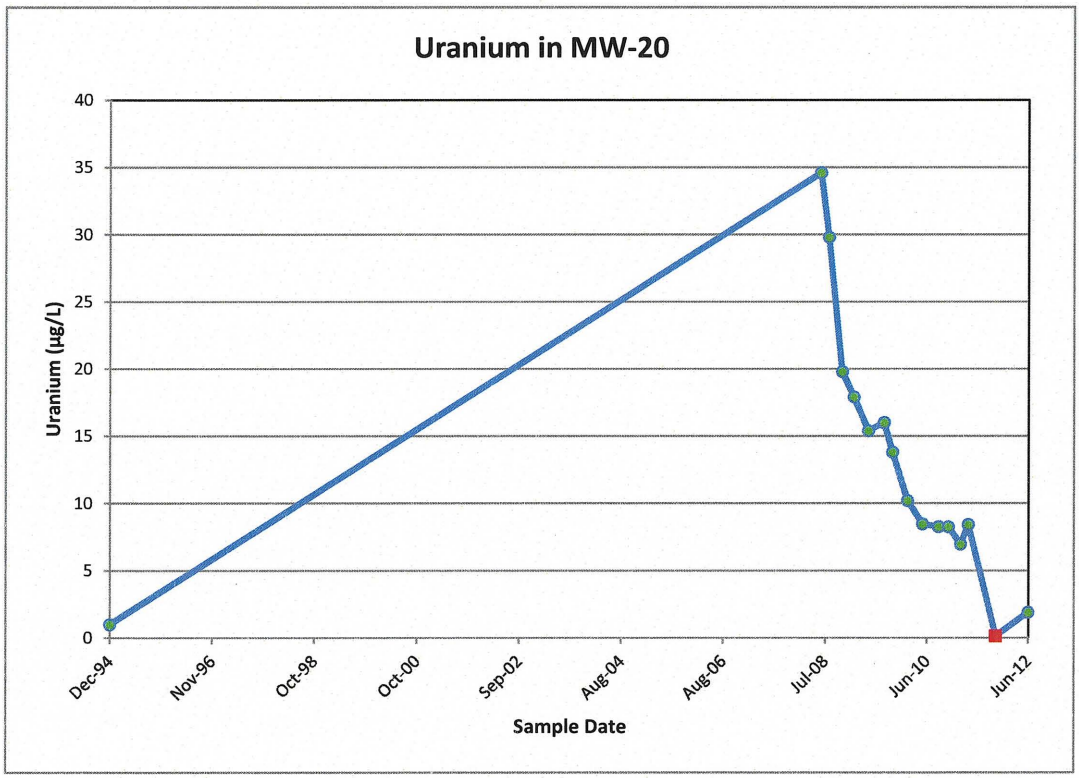
Time concentration plots for MW-20





Detected Values
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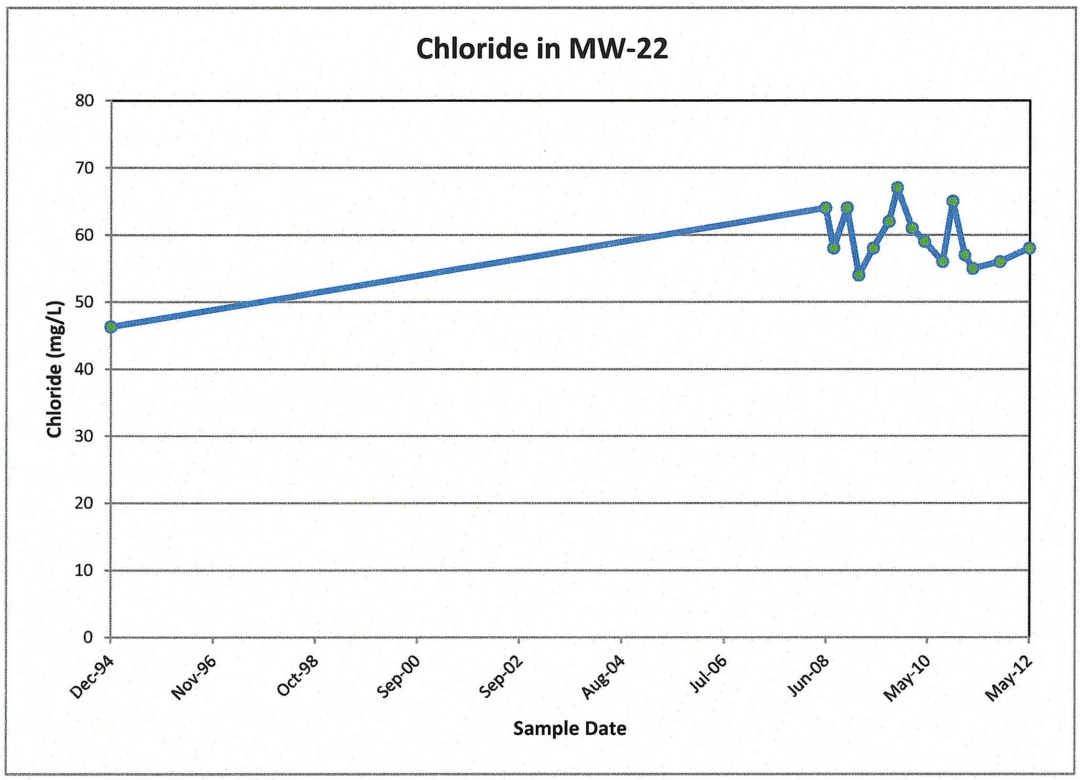
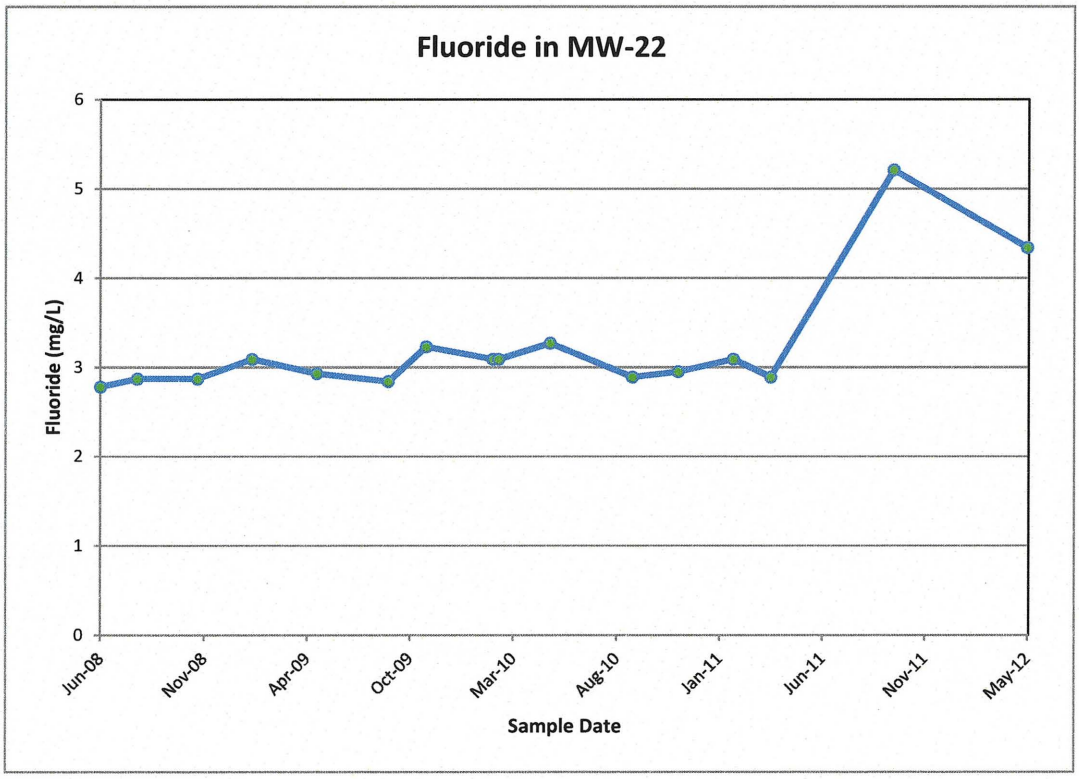
Time concentration plots for MW-22





Detected Values
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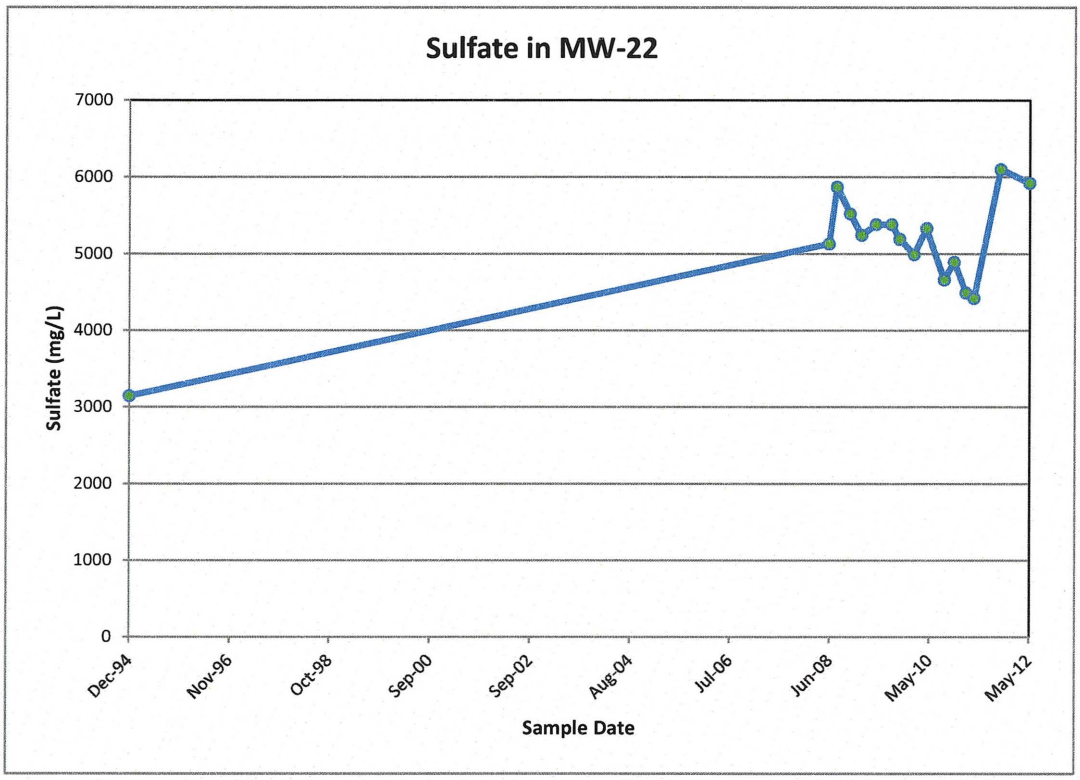
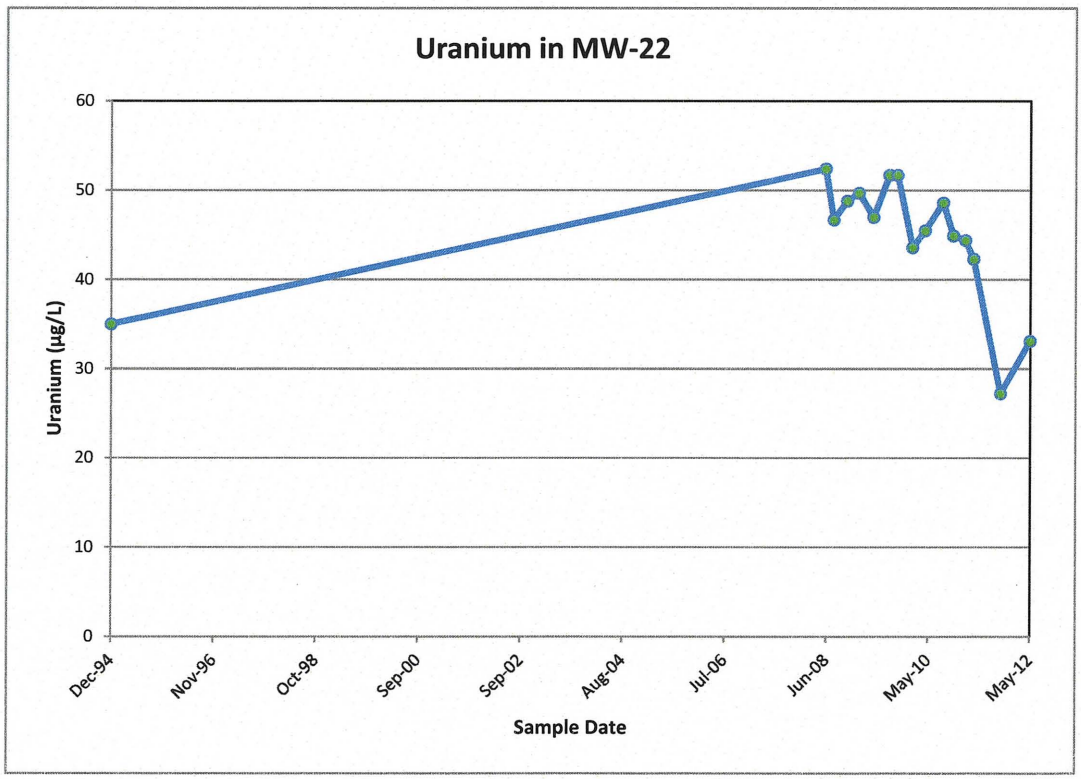
Time concentration plots for MW-22





Detected Values
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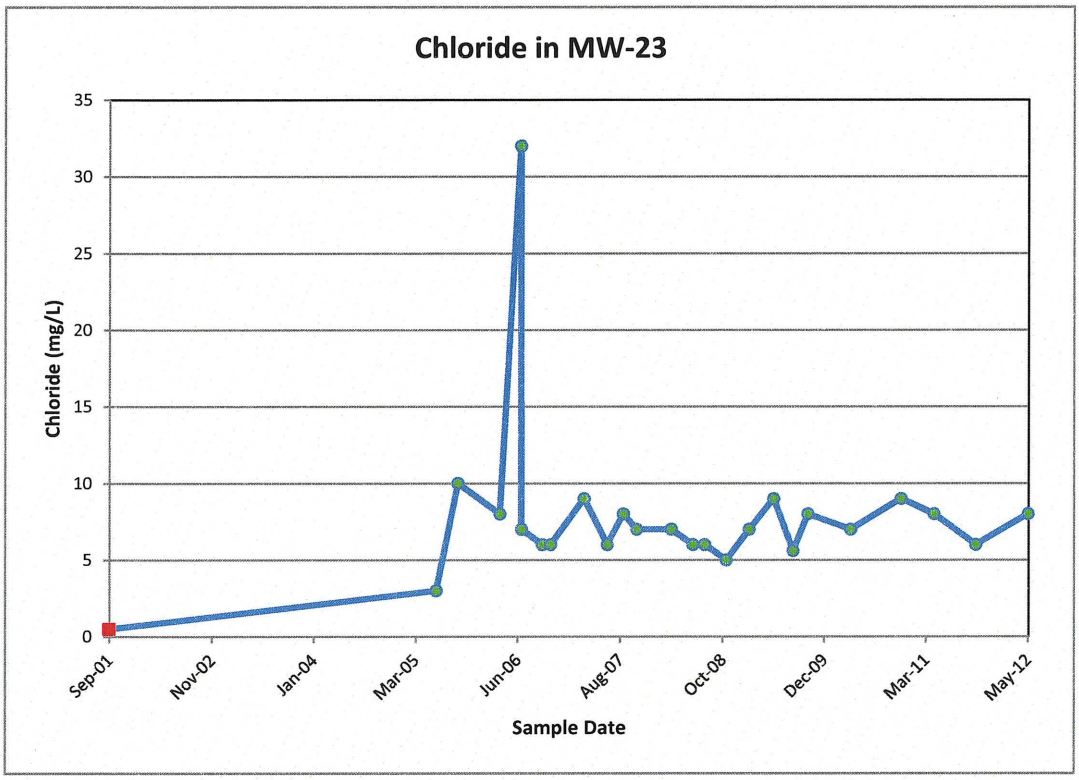
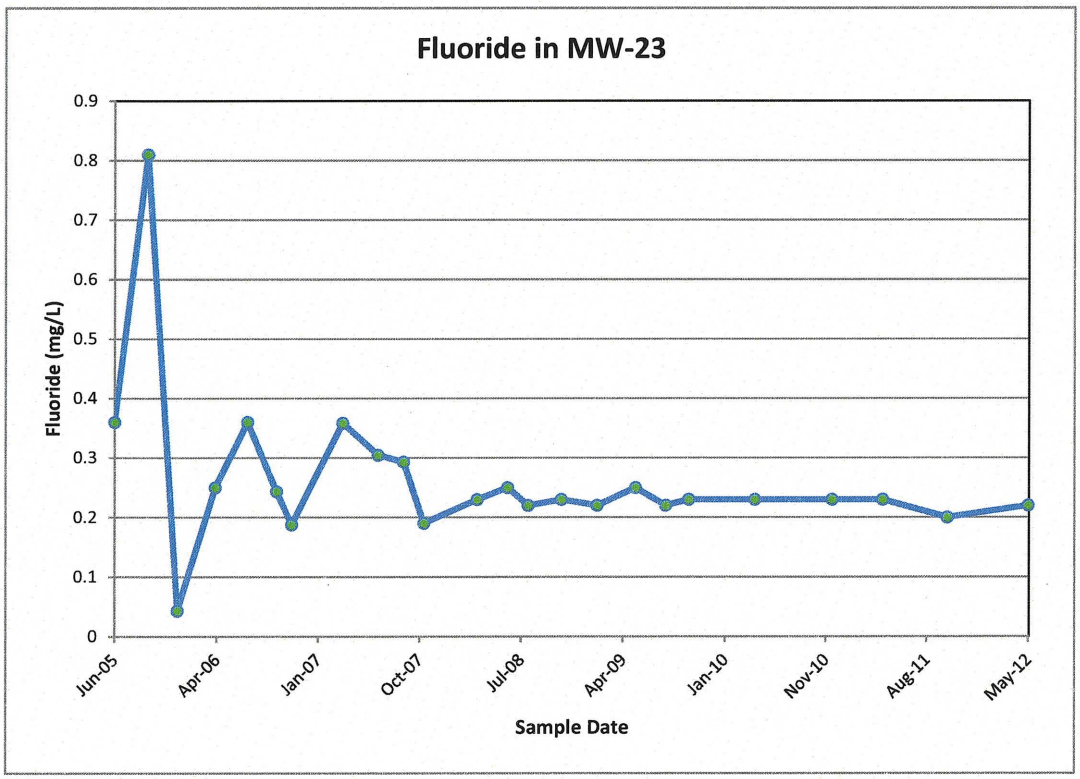
Time concentration plots for MW-23





Detected Values
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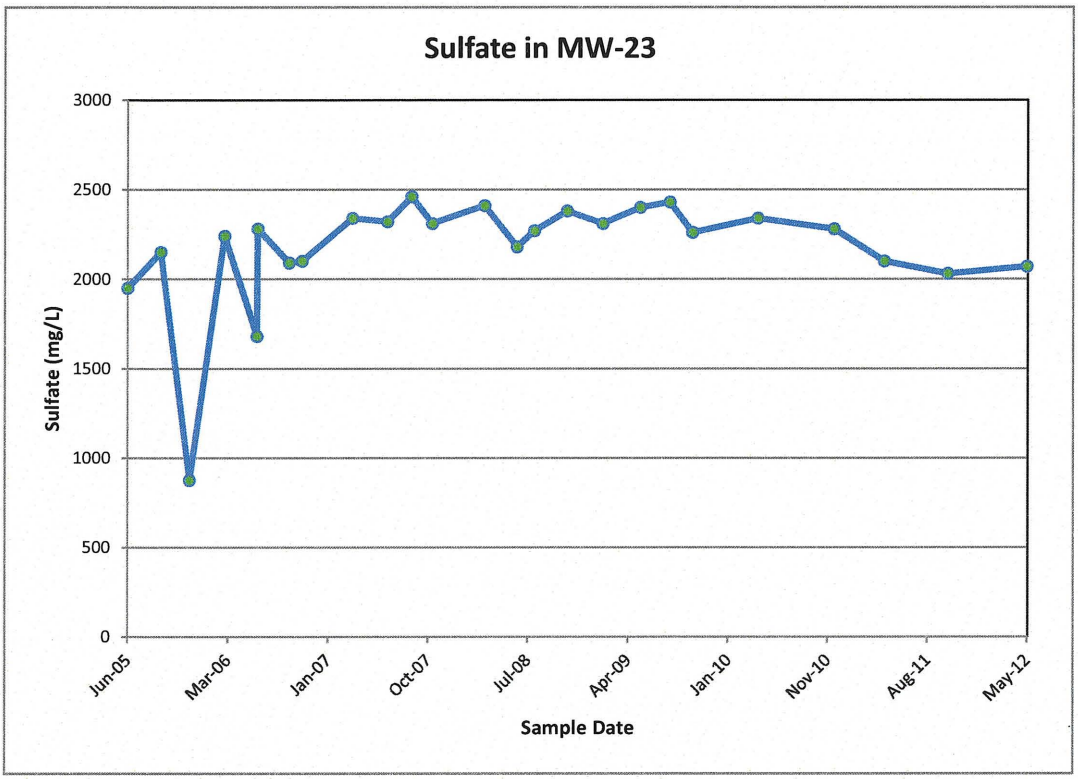
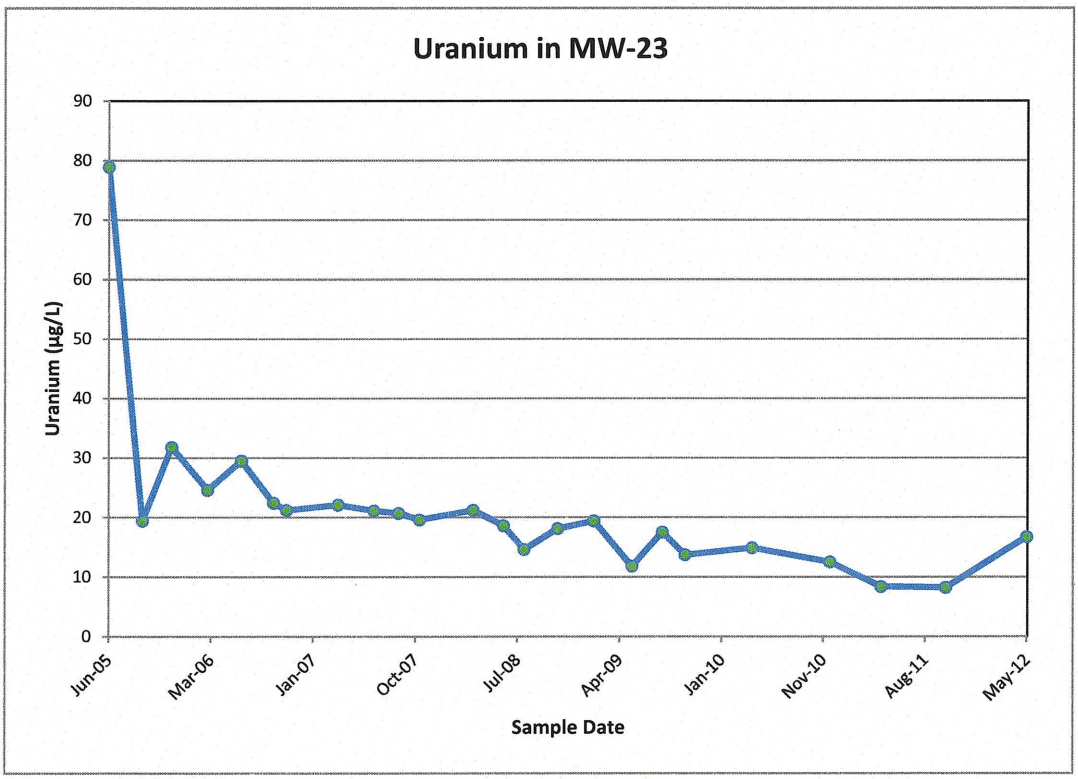
Time concentration plots for MW-23





Detected Values
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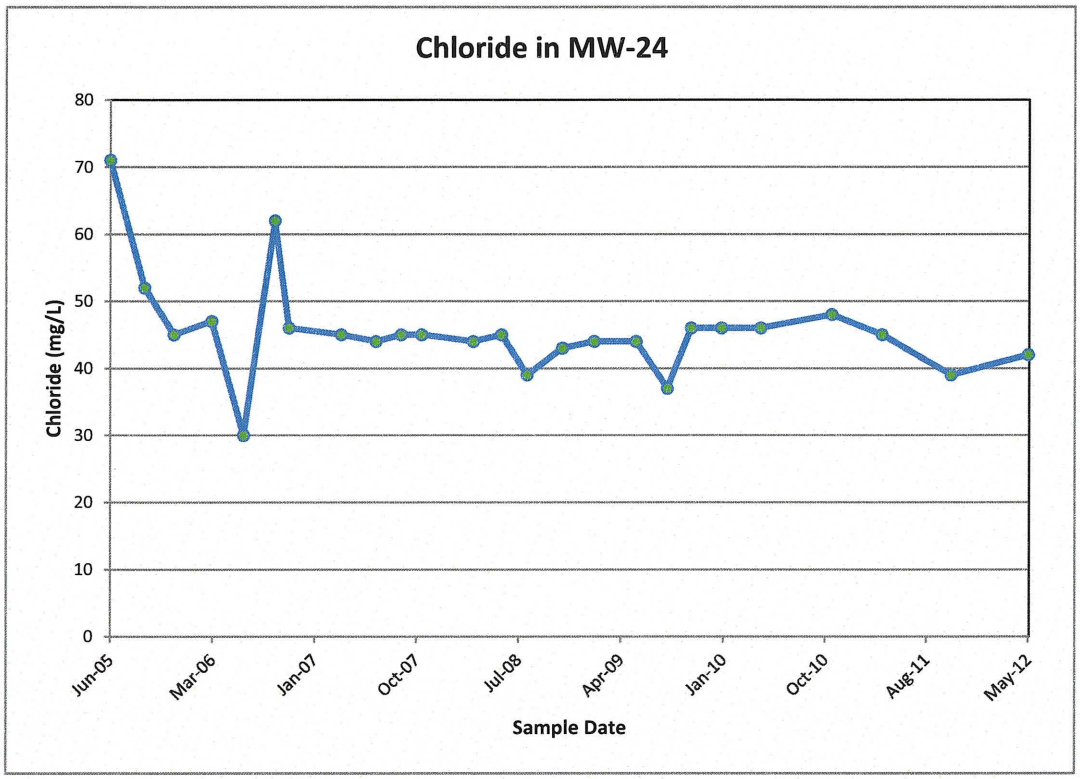
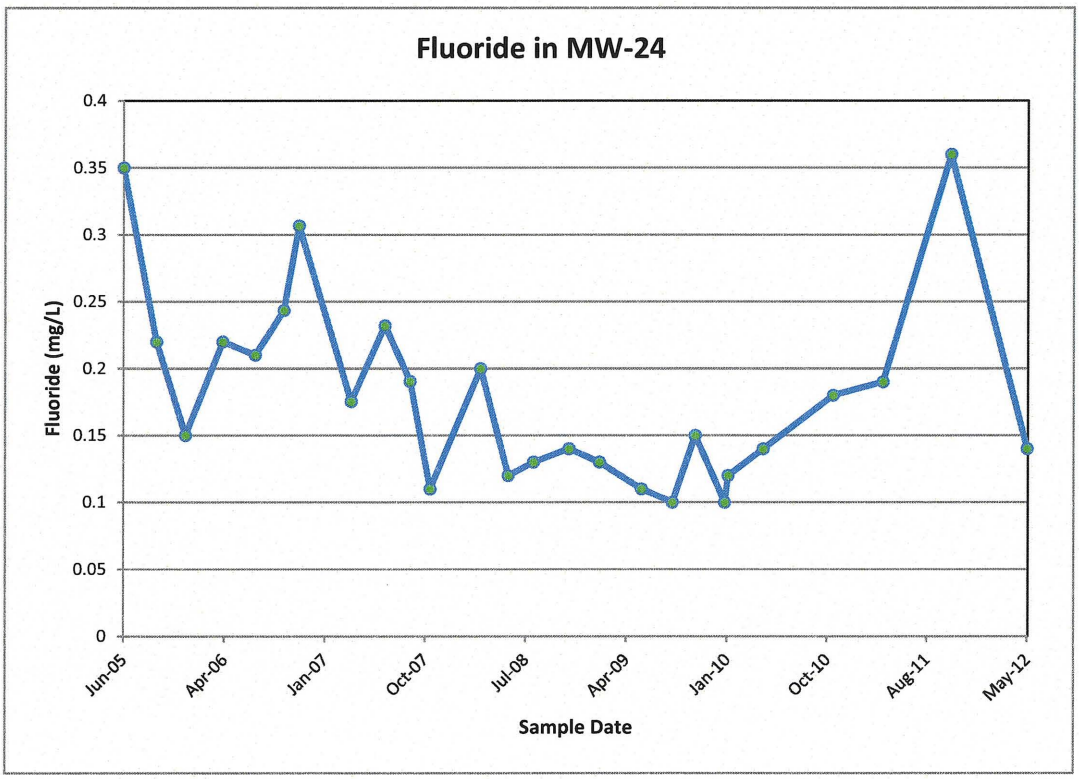
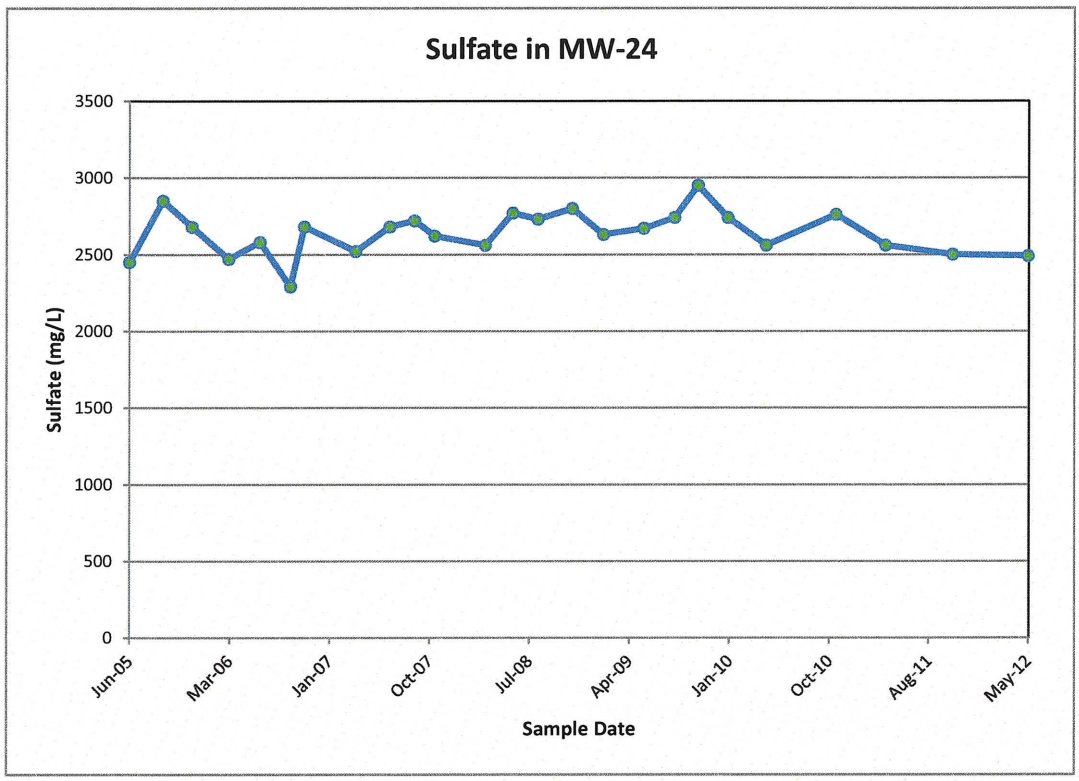
Time concentration plots for MW-24

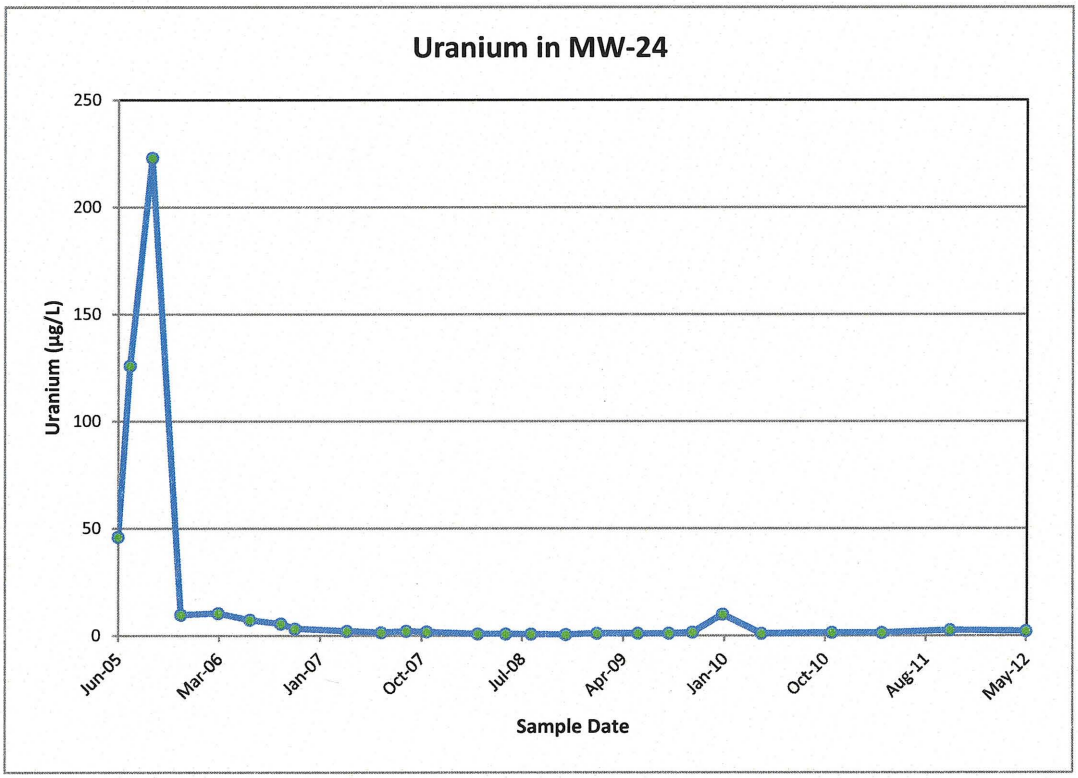




Detected Values
Non-Detected Values

Time concentration plots for MW-24





Detected Values
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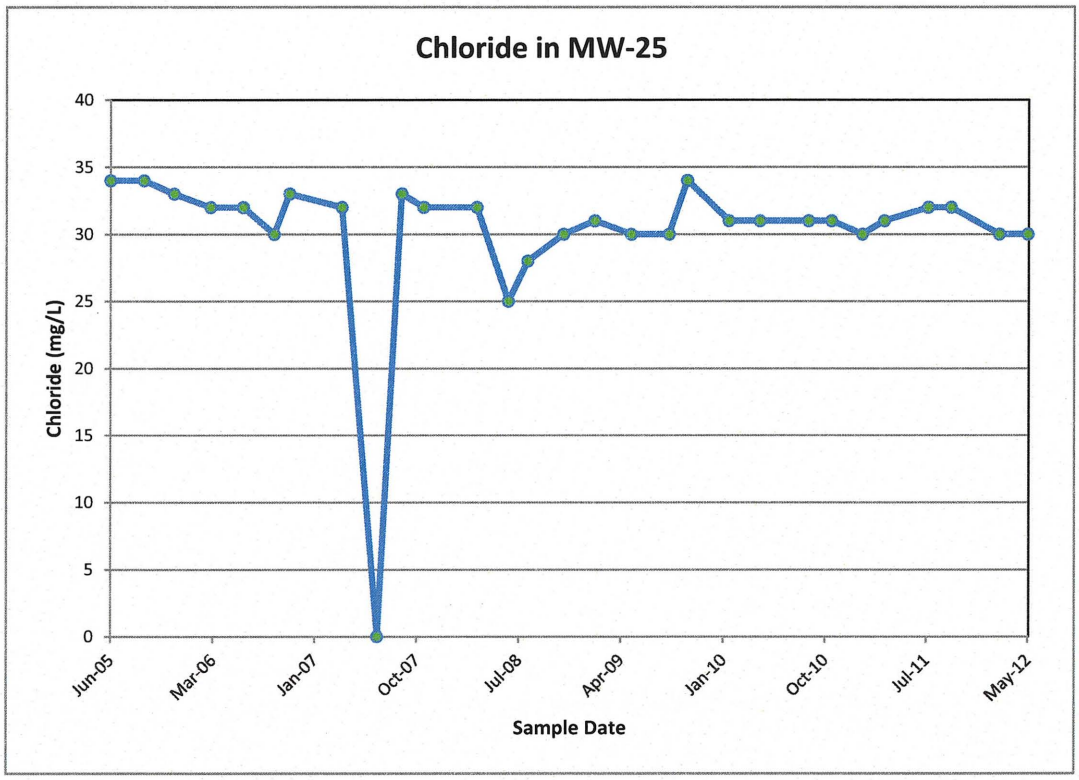
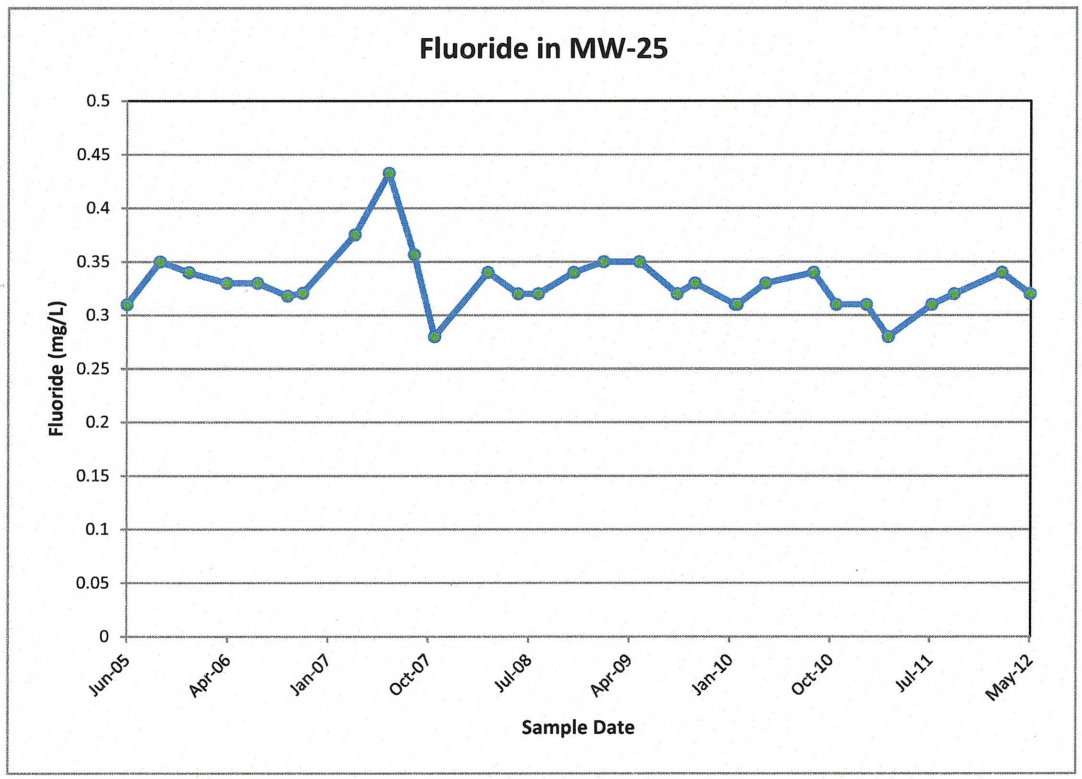
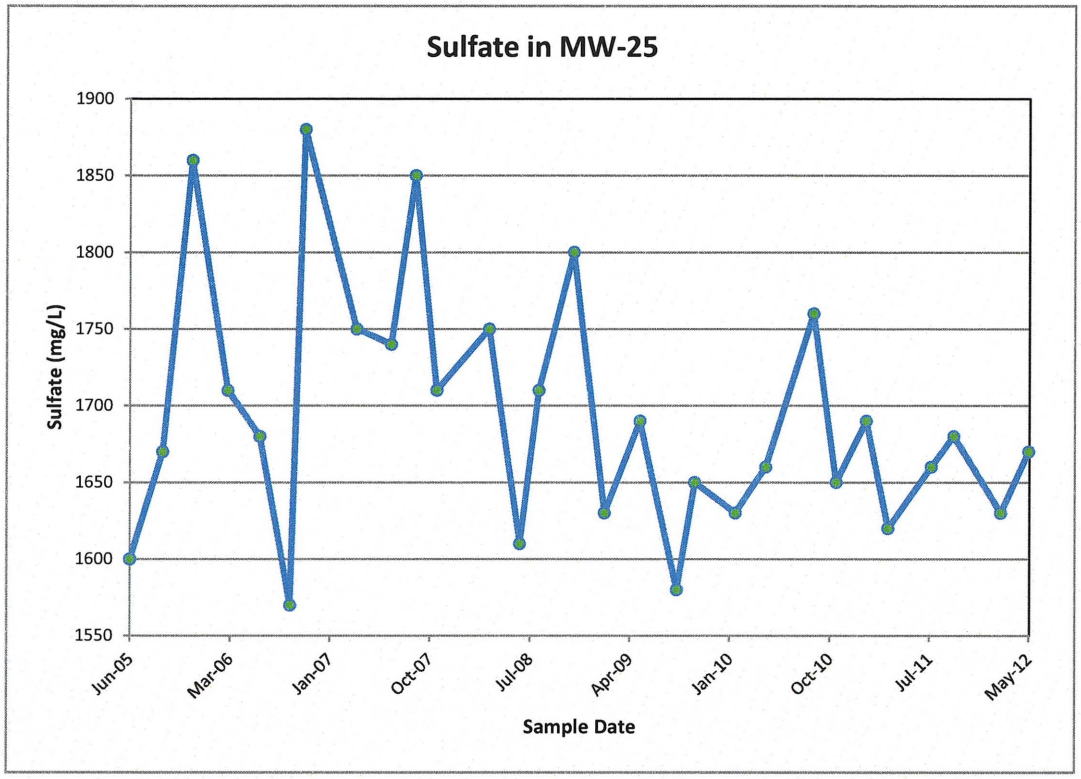
Time concentration plots for MW-25

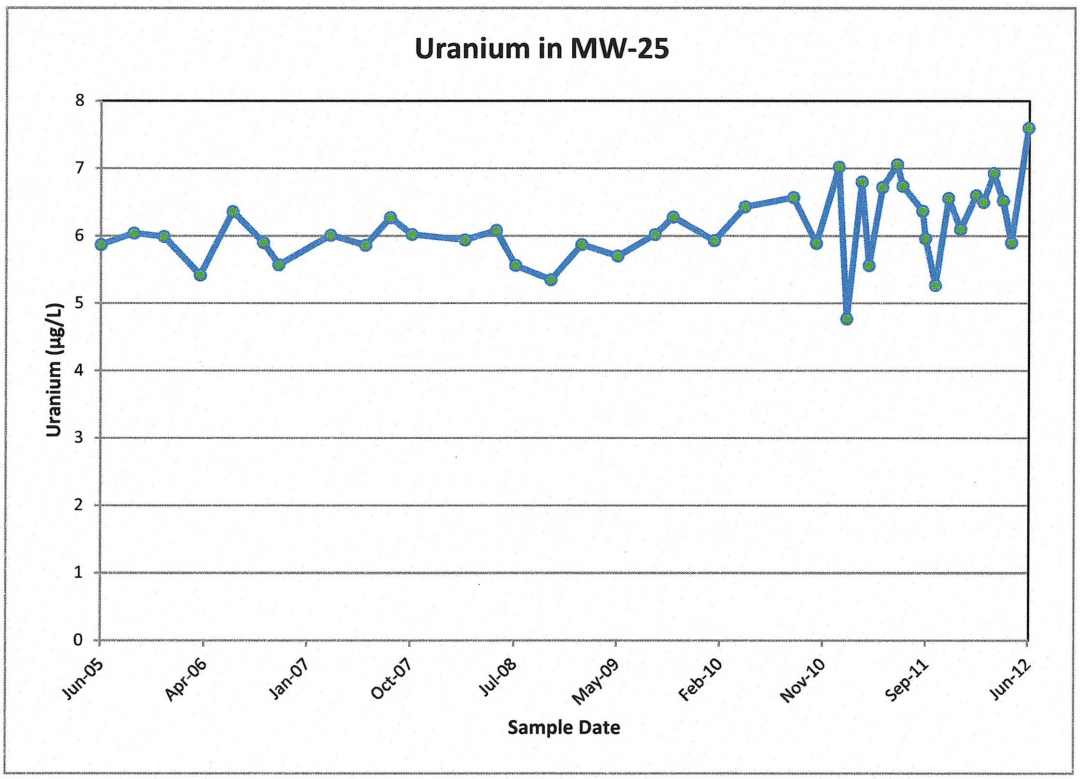




Detected Values
Non-Detected Values

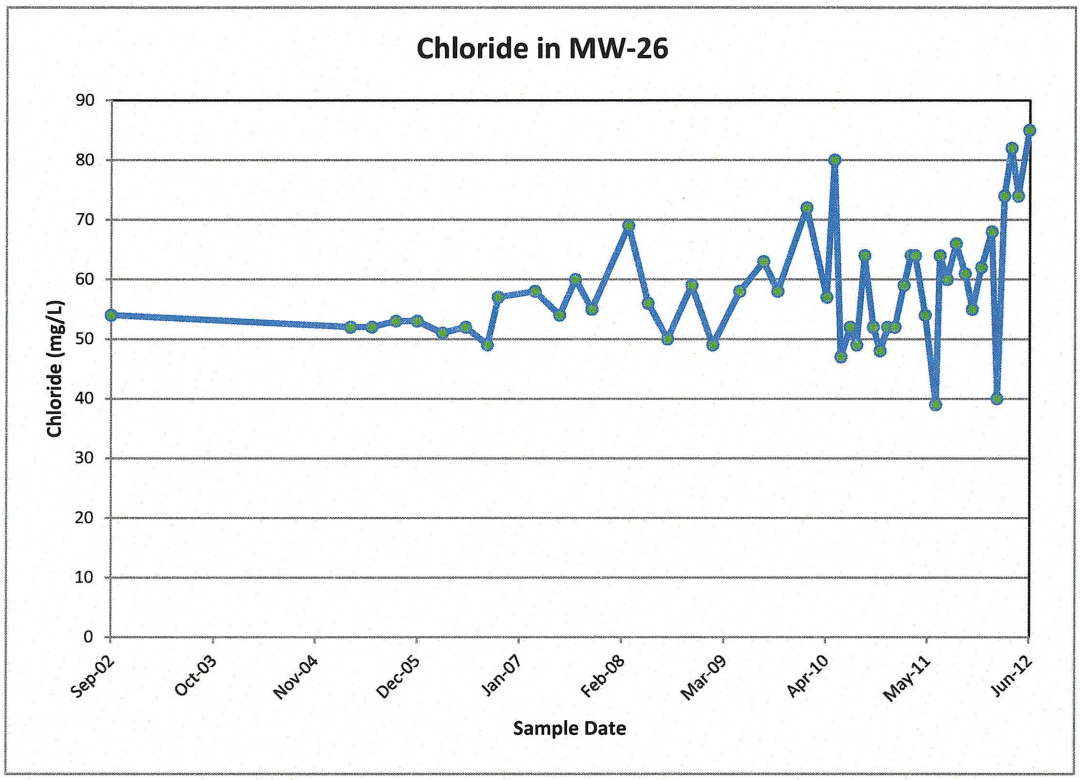
Time concentration plots for MW-25

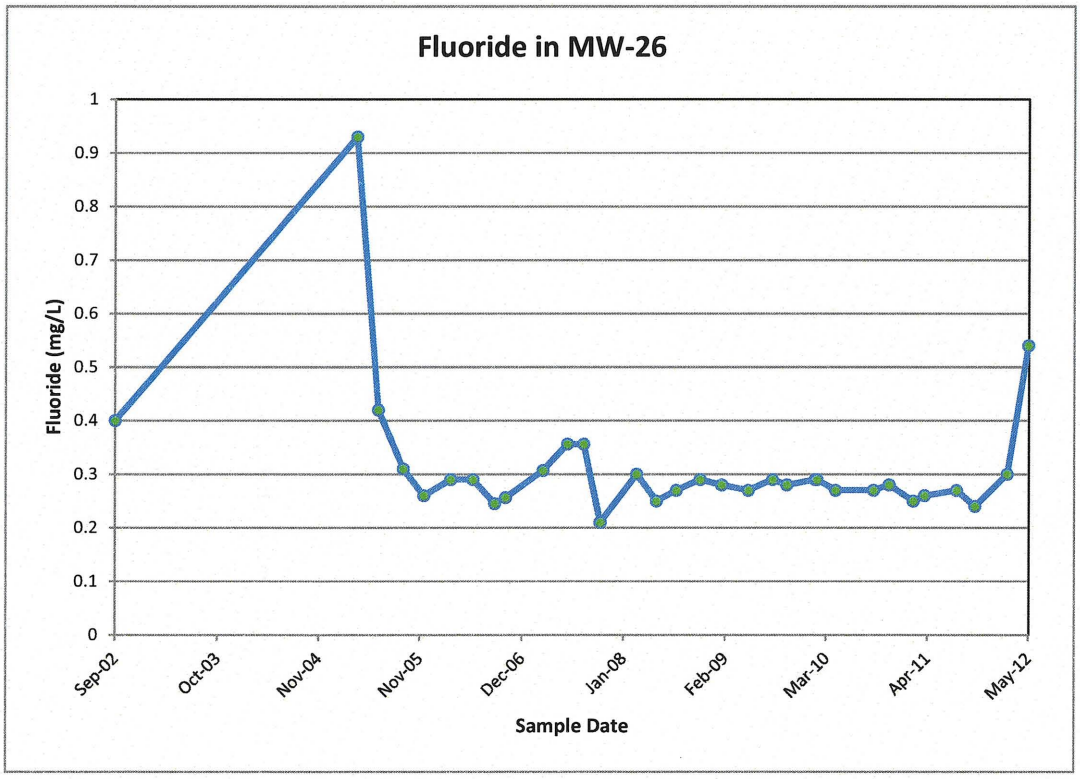




Detected Values
Non-Detected Values

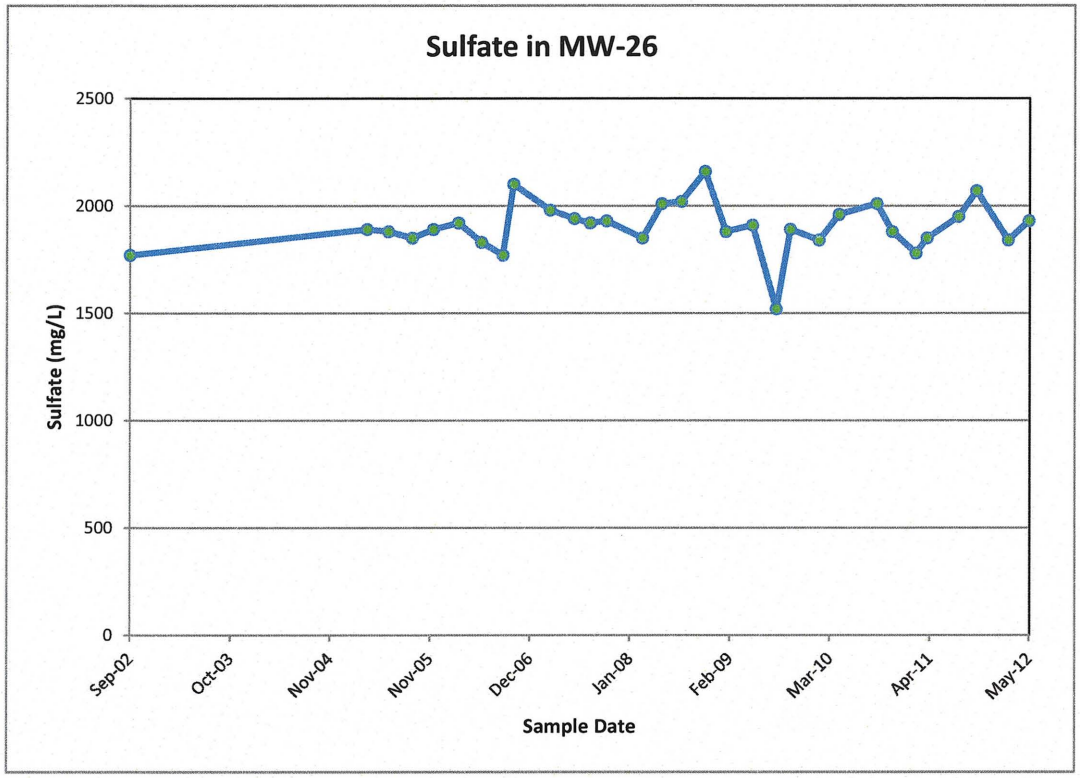
Time concentration plots for MW-26

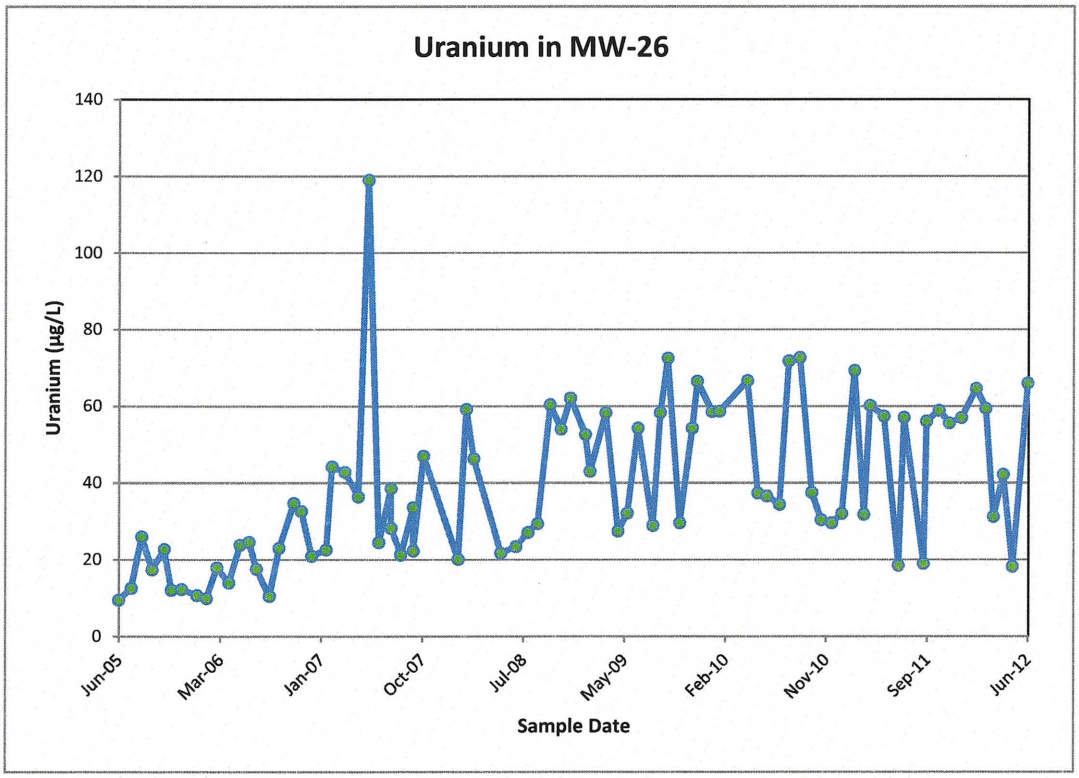




Detected Values
Non-Detected Values

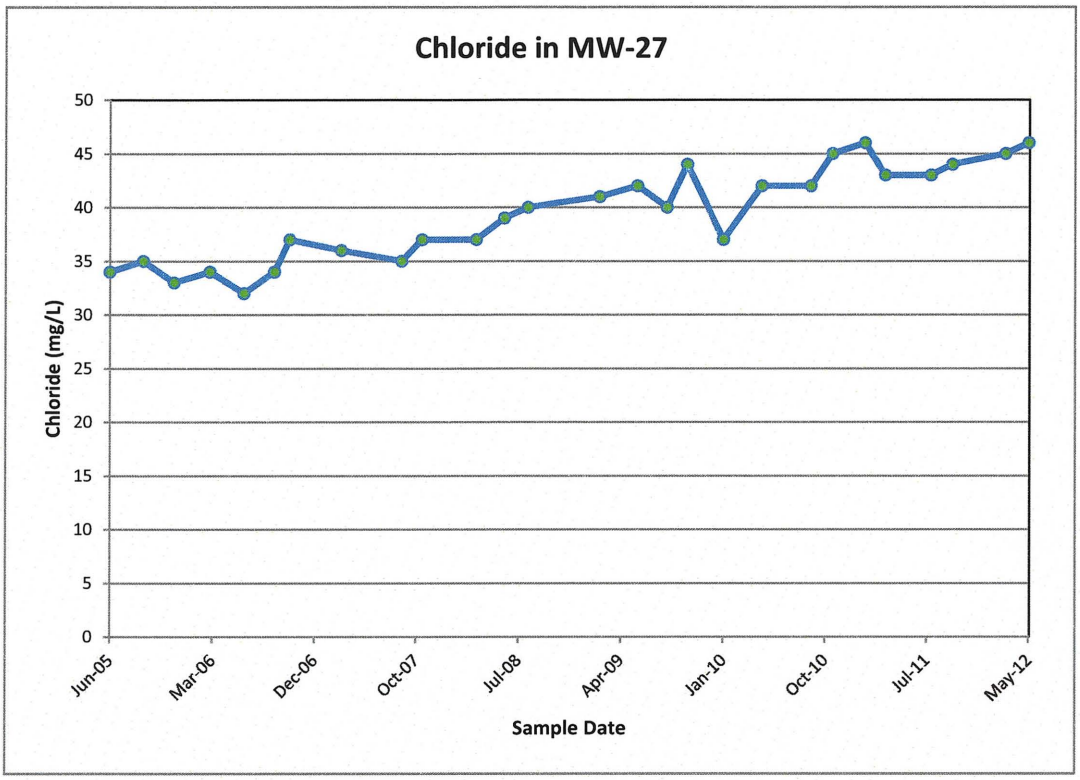
Time concentration plots for MW-26

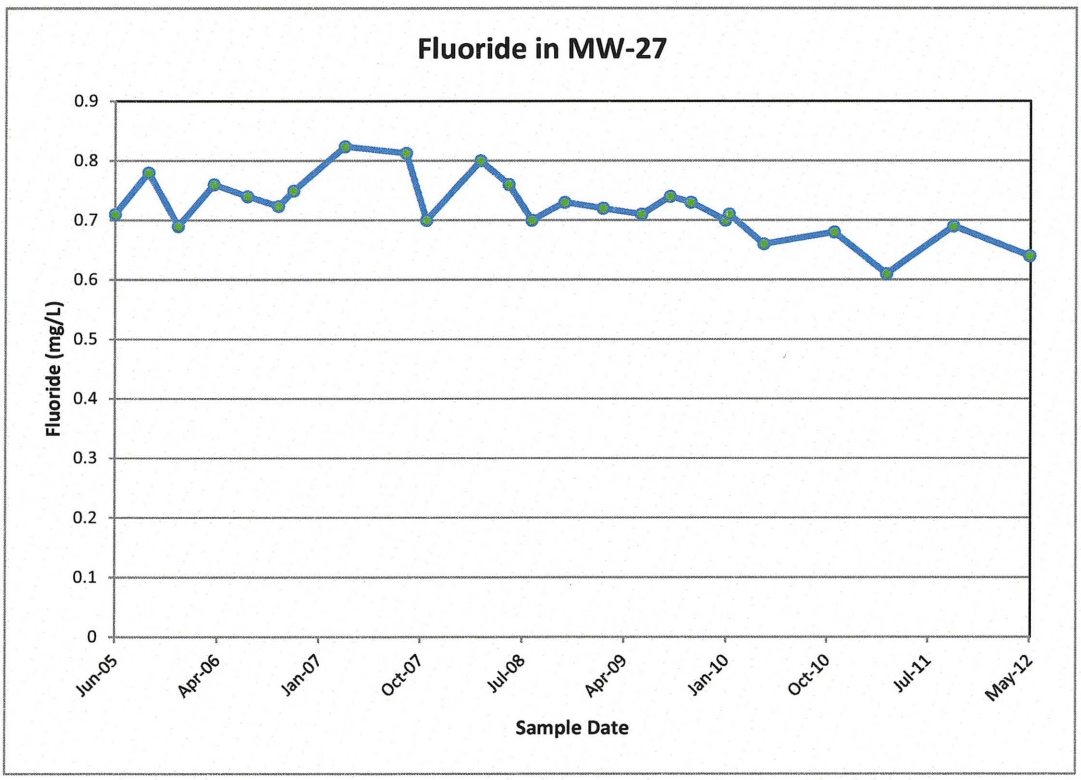




Detected Values
Non-Detected Values

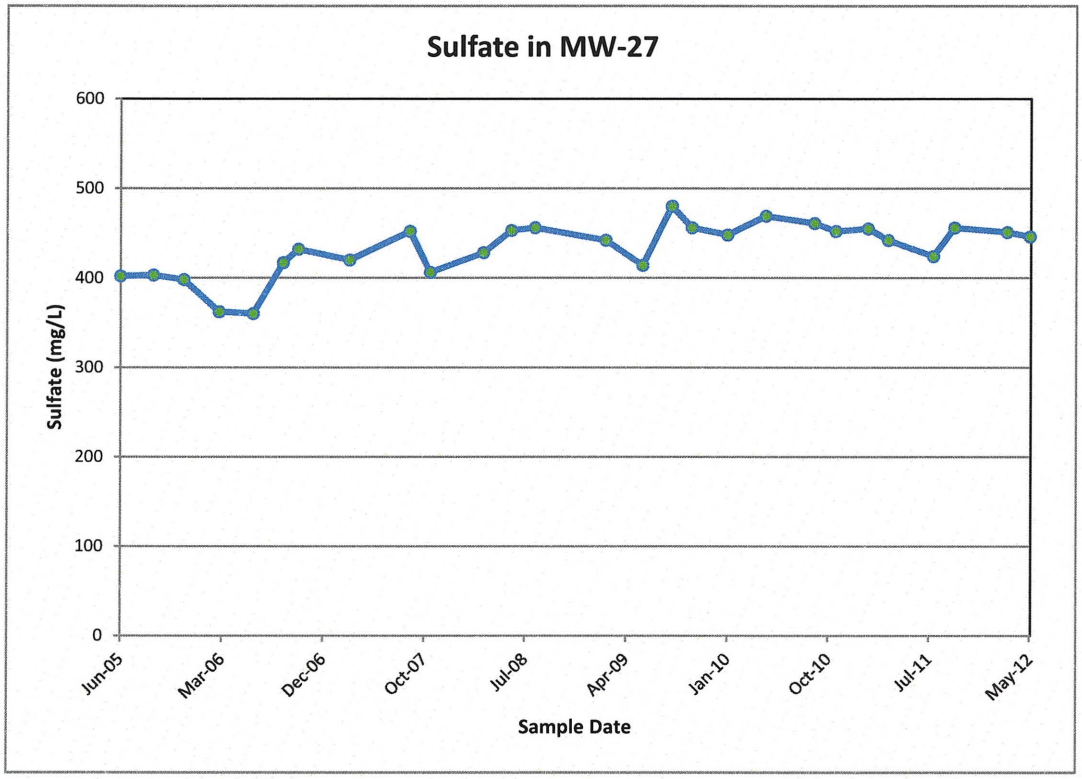
Time concentration plots for MW-27

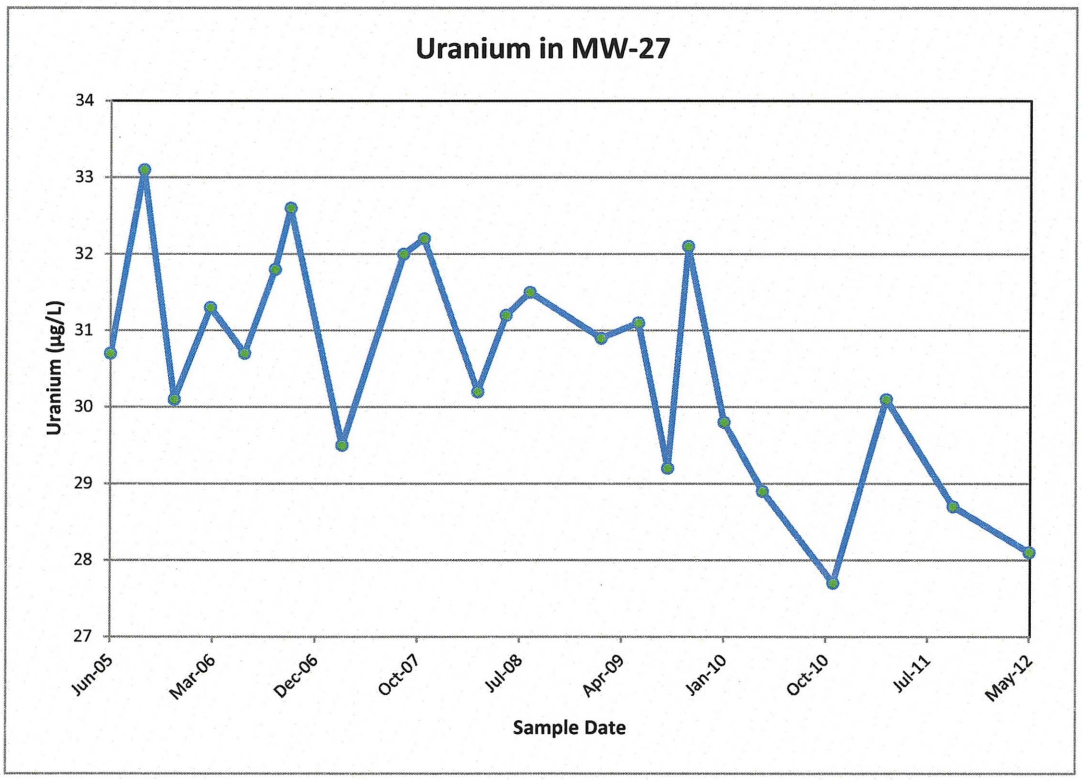




Detected Values
Non-Detected Values

Time concentration plots for MW-27





Detected Values
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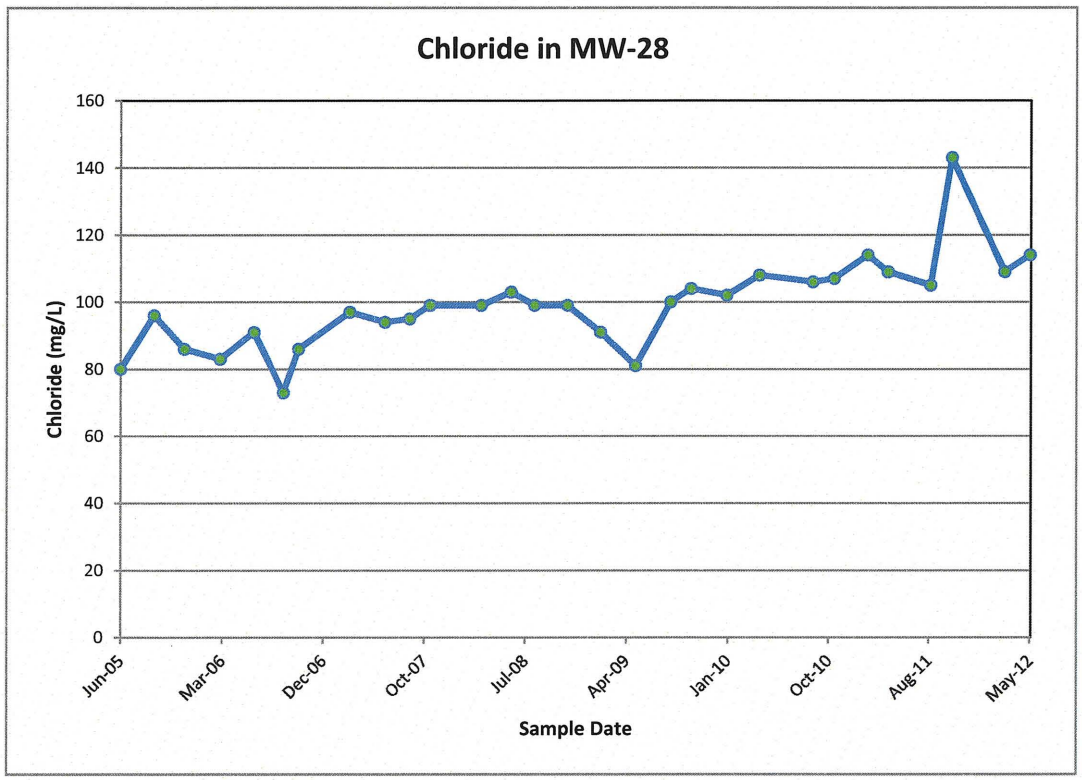
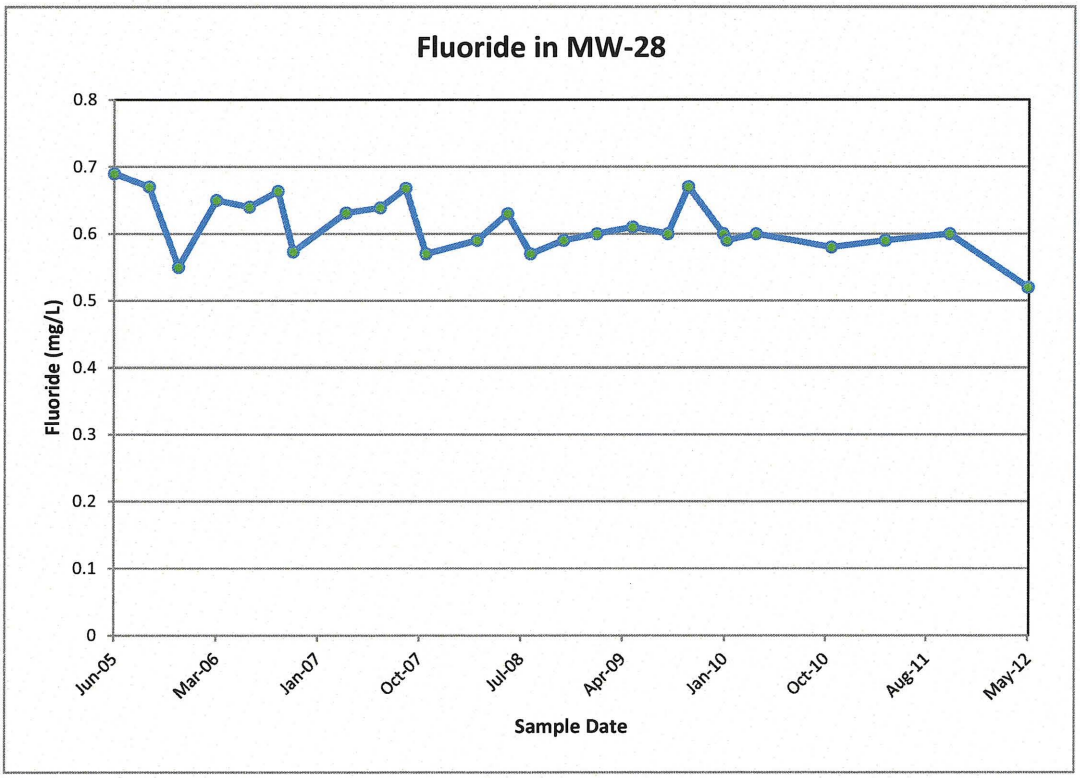
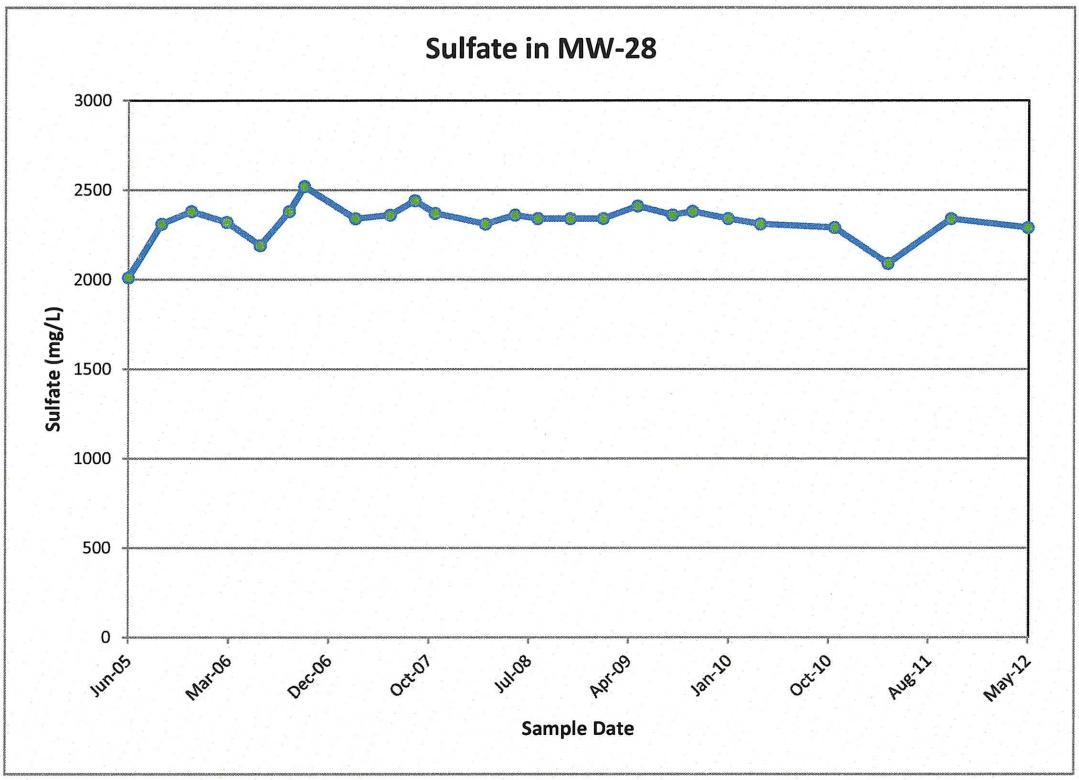
Time concentration plots for MW-28

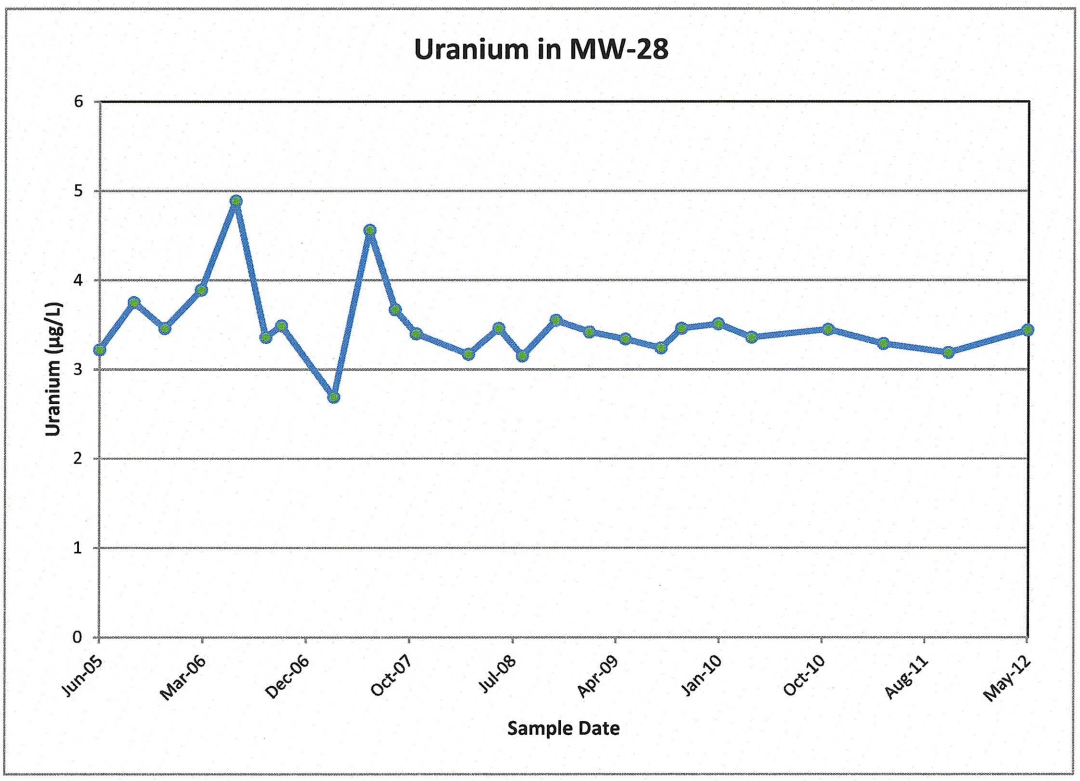




Detected Values
Non-Detected Values

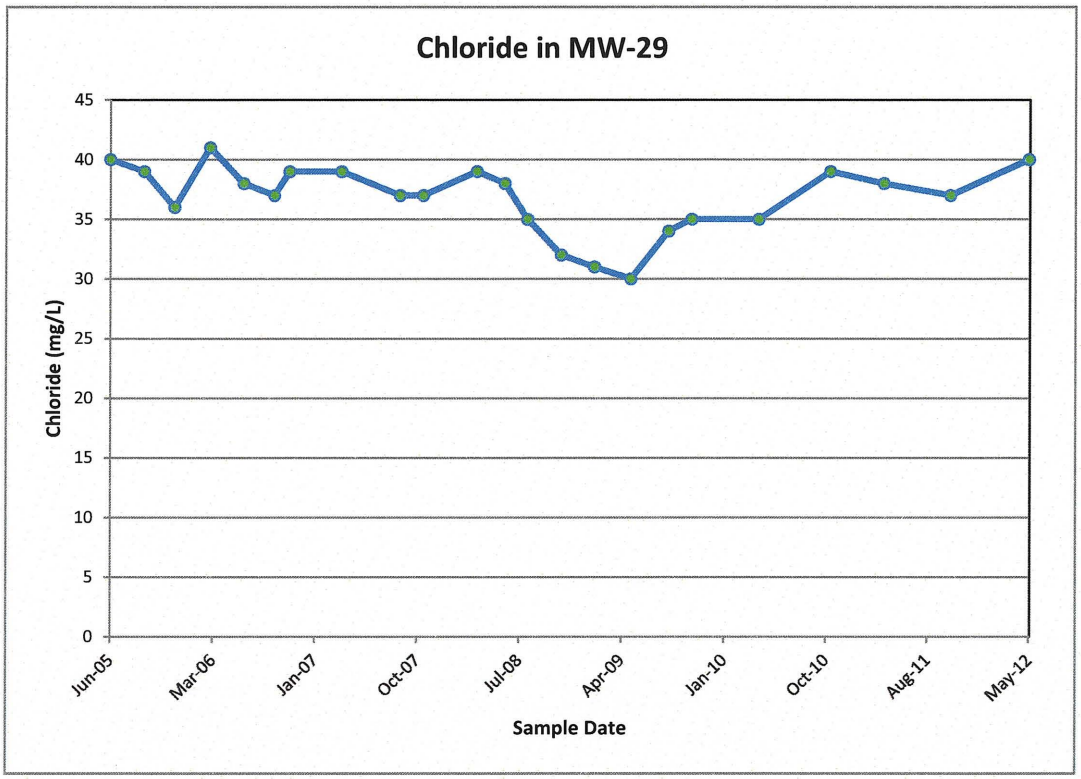
Time concentration plots for MW-28

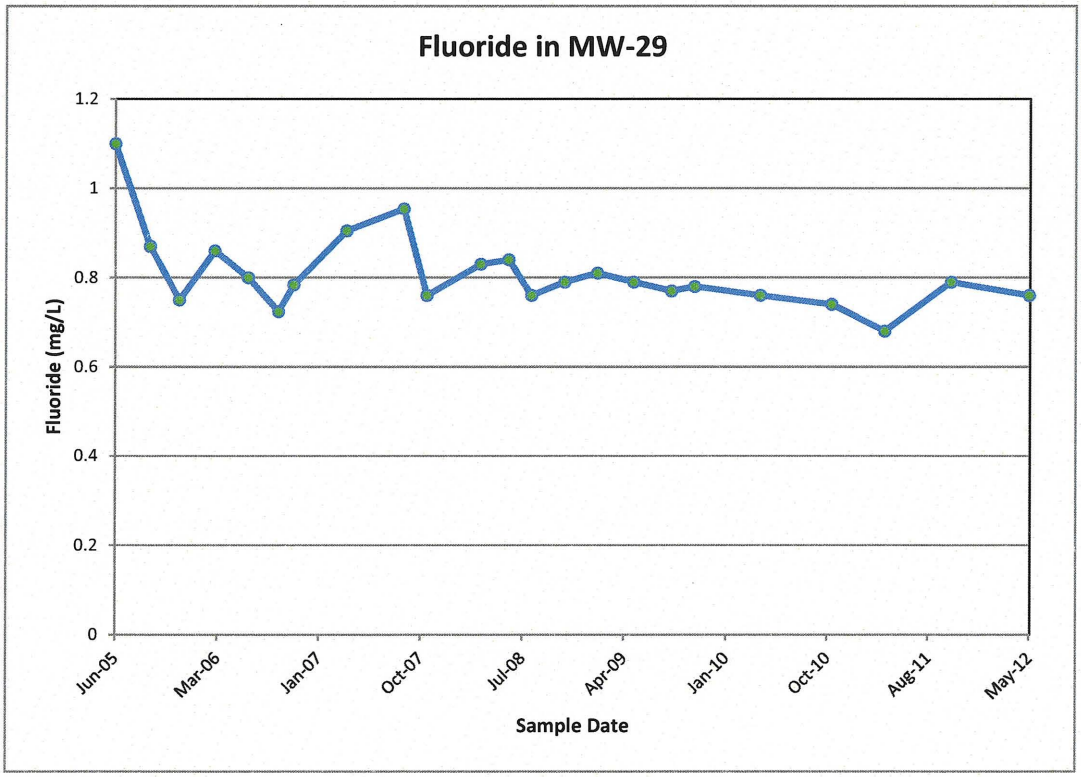




Detected Values
Non-Detected Values

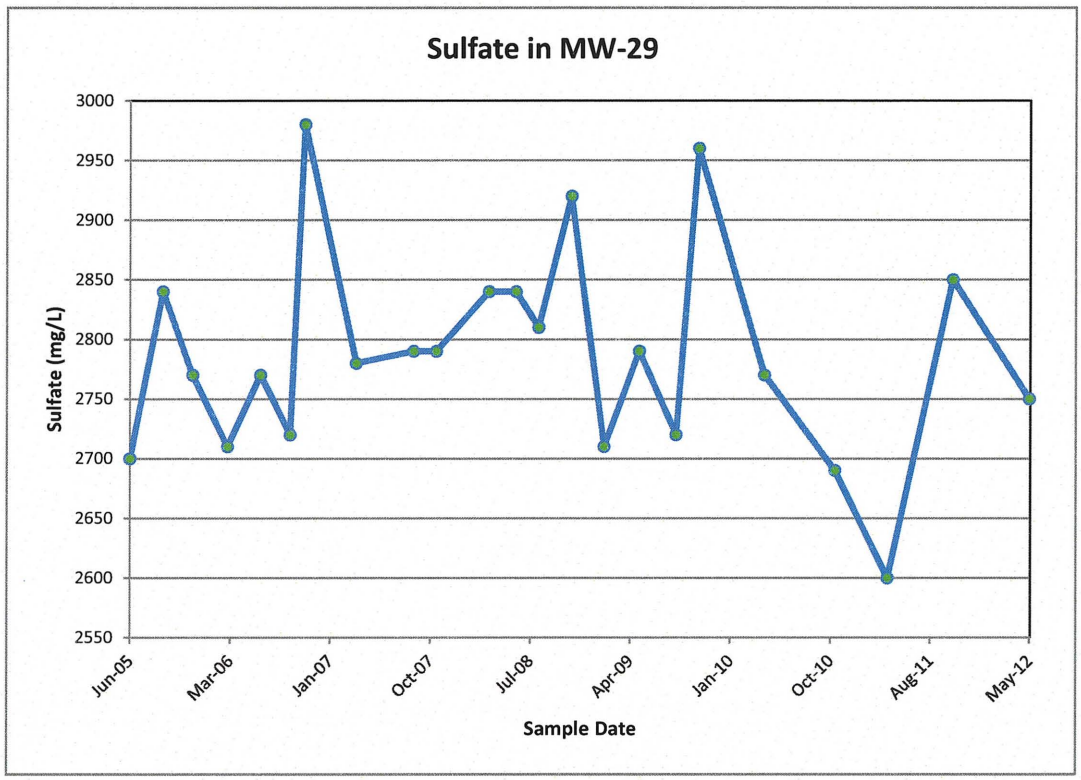
Time concentration plots for MW-29

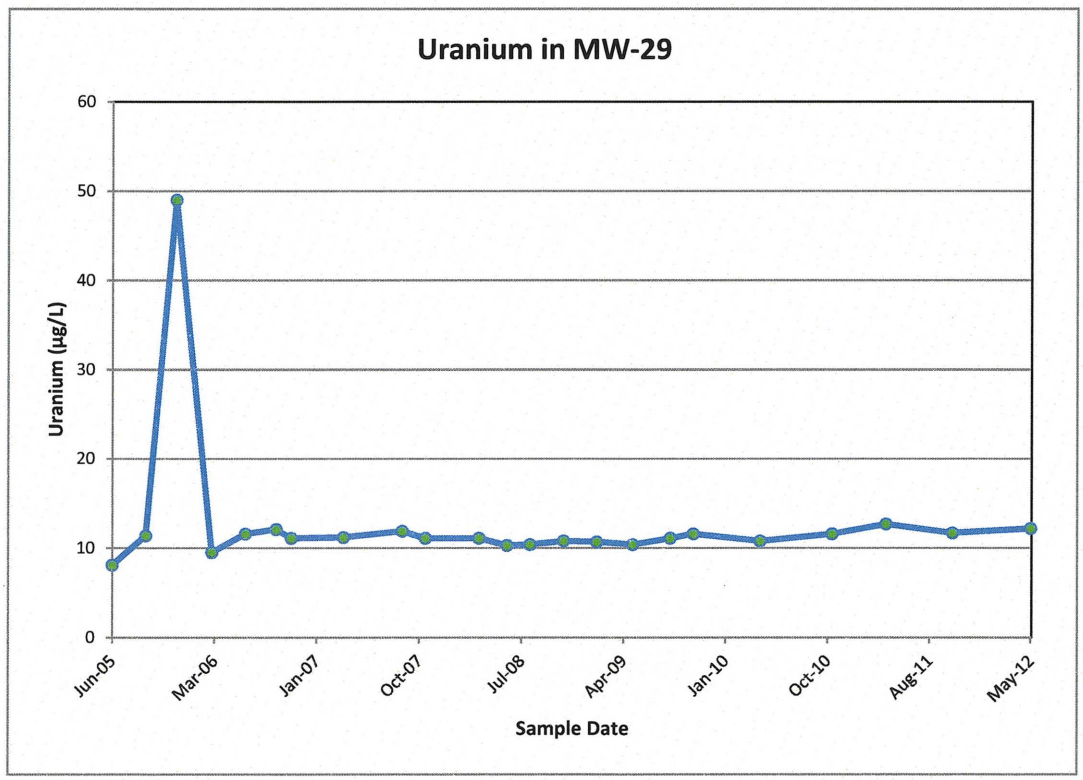




Detected Values
Non-Detected Values

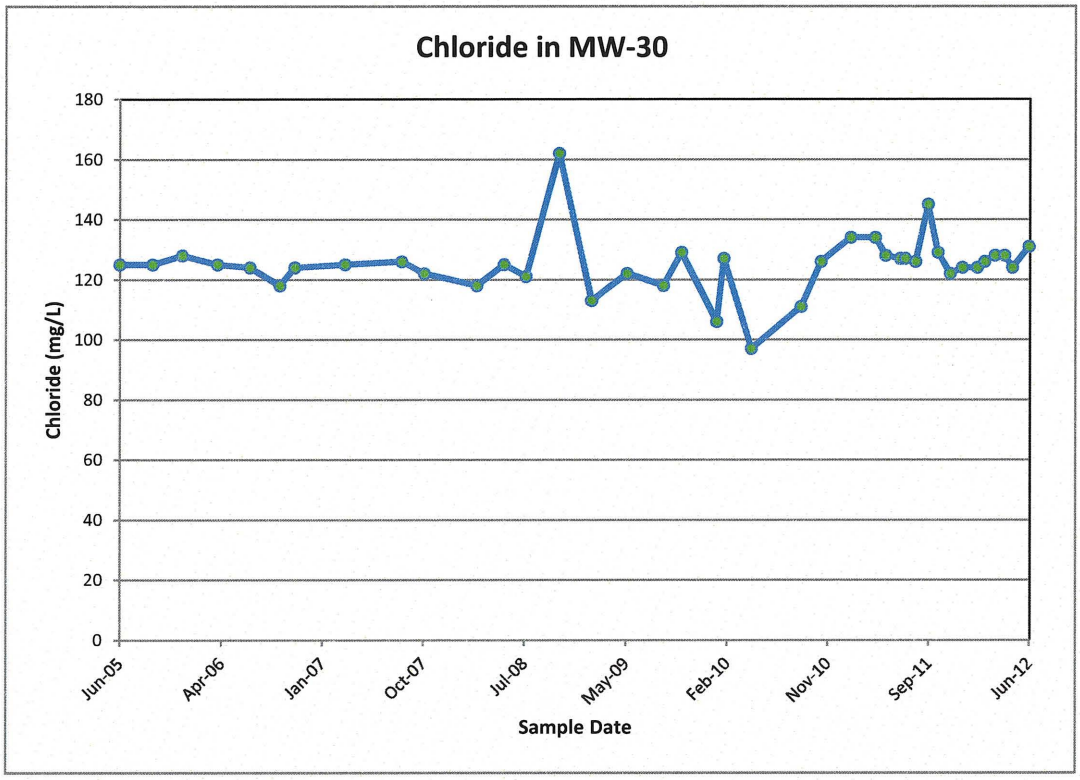
Time concentration plots for MW-29

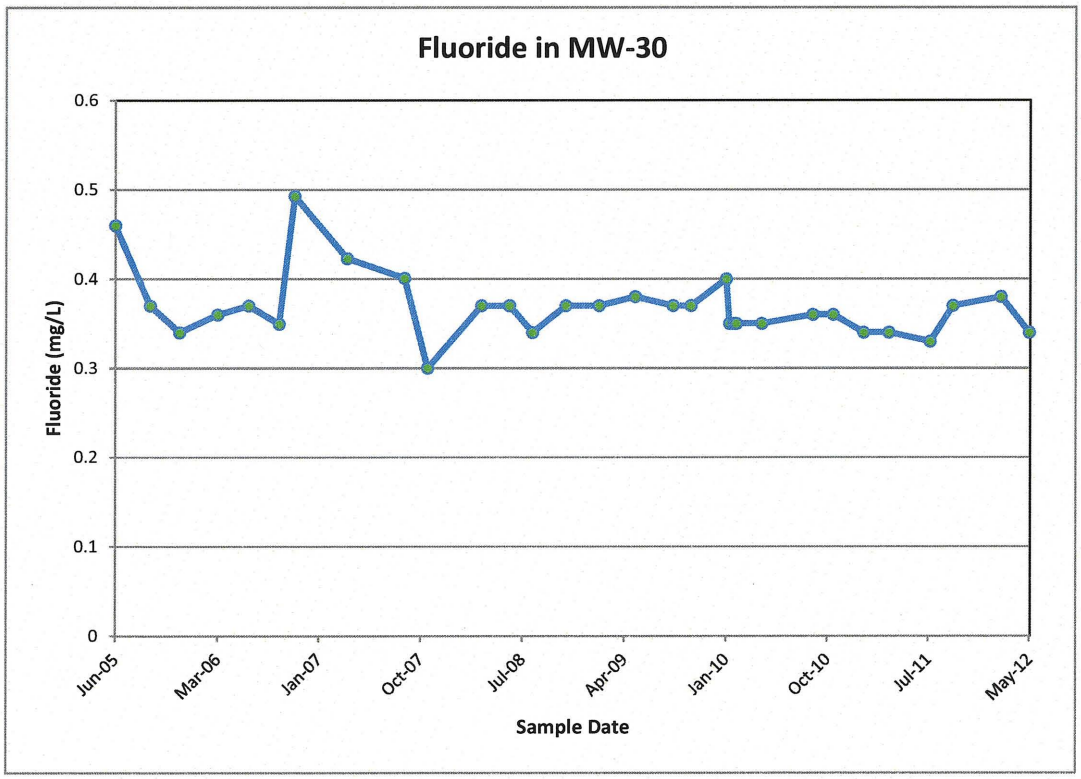




Detected Values
Non-Detected Values

Time concentration plots for MW-30





Detected Values
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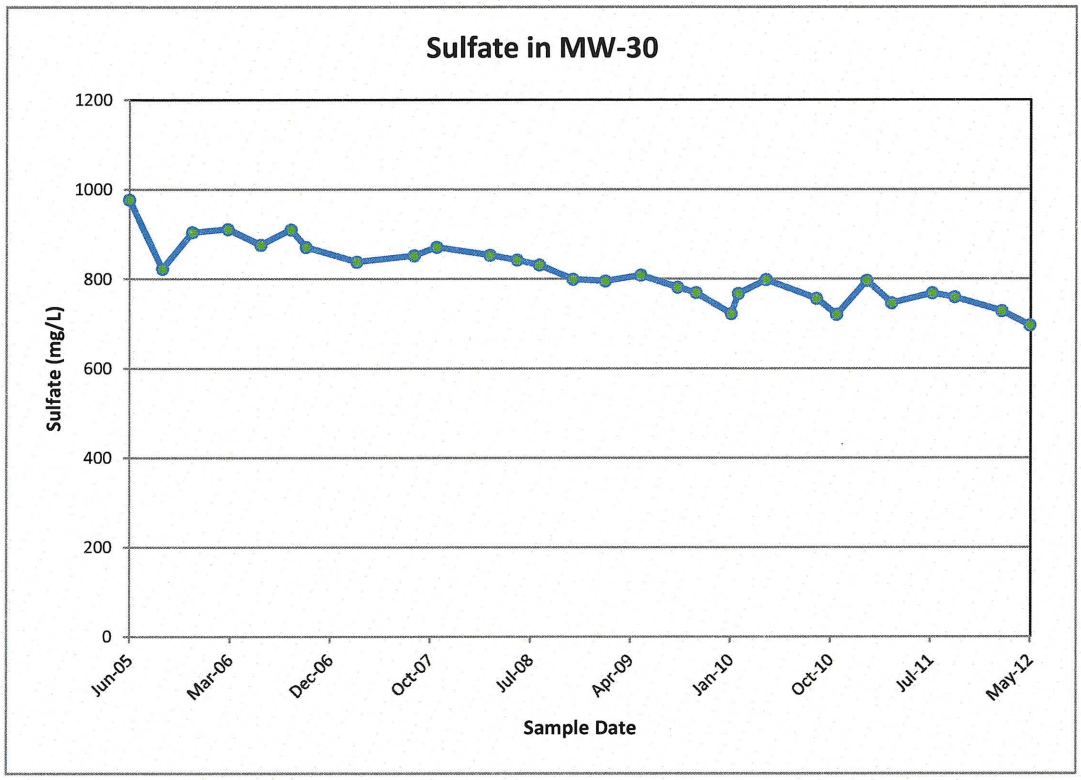
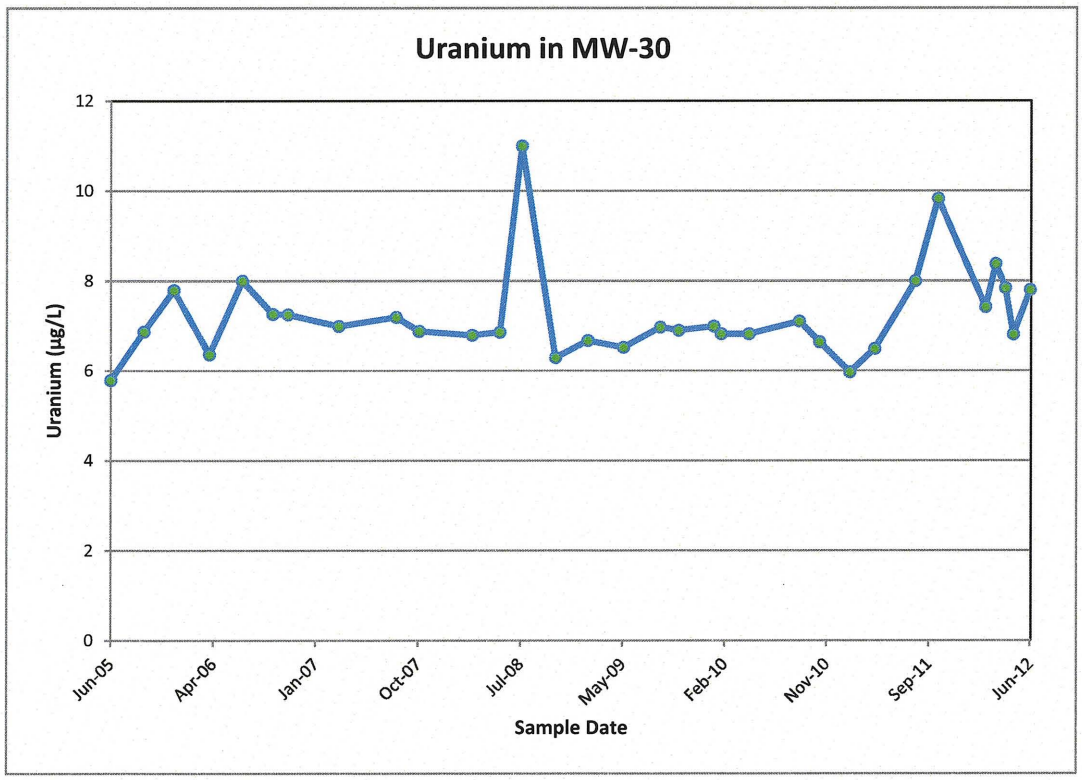
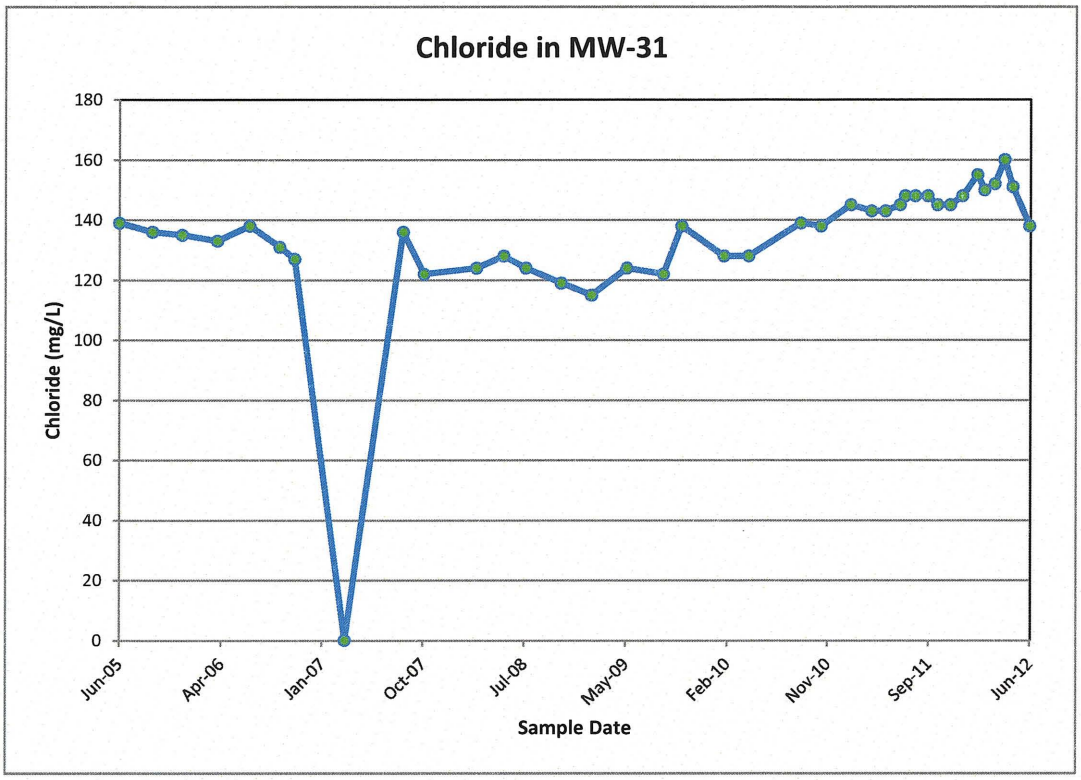
Time concentration plots for MW-30

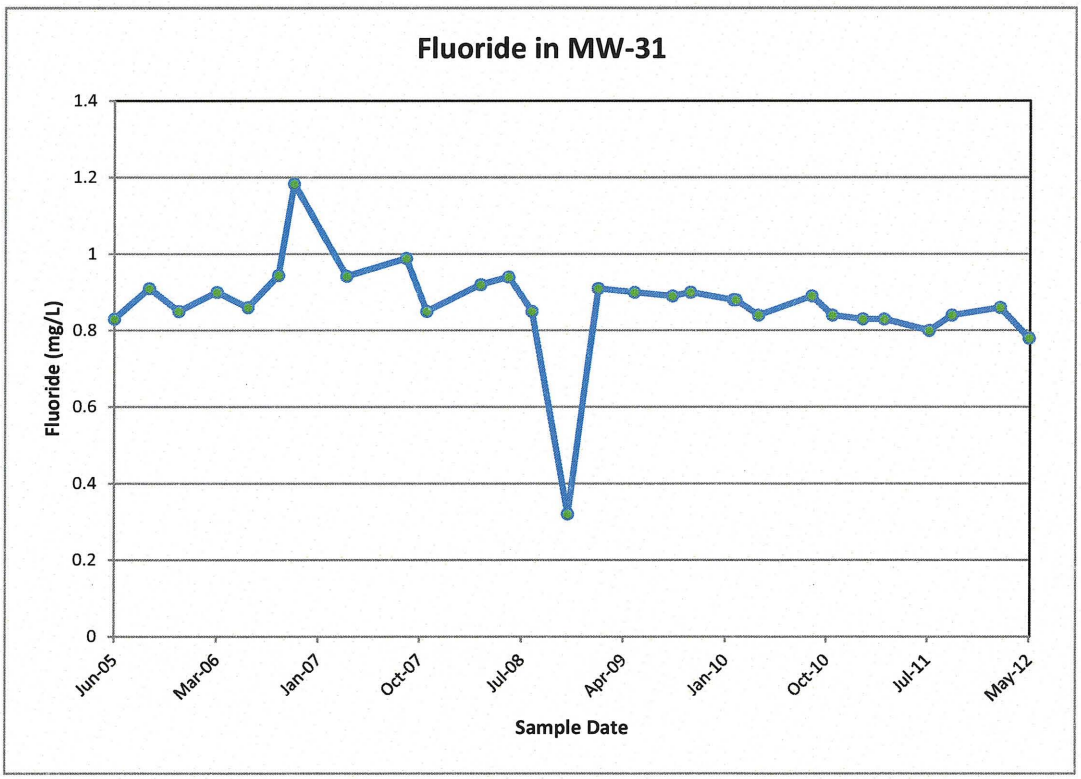




Detected Values
Non-Detected Values

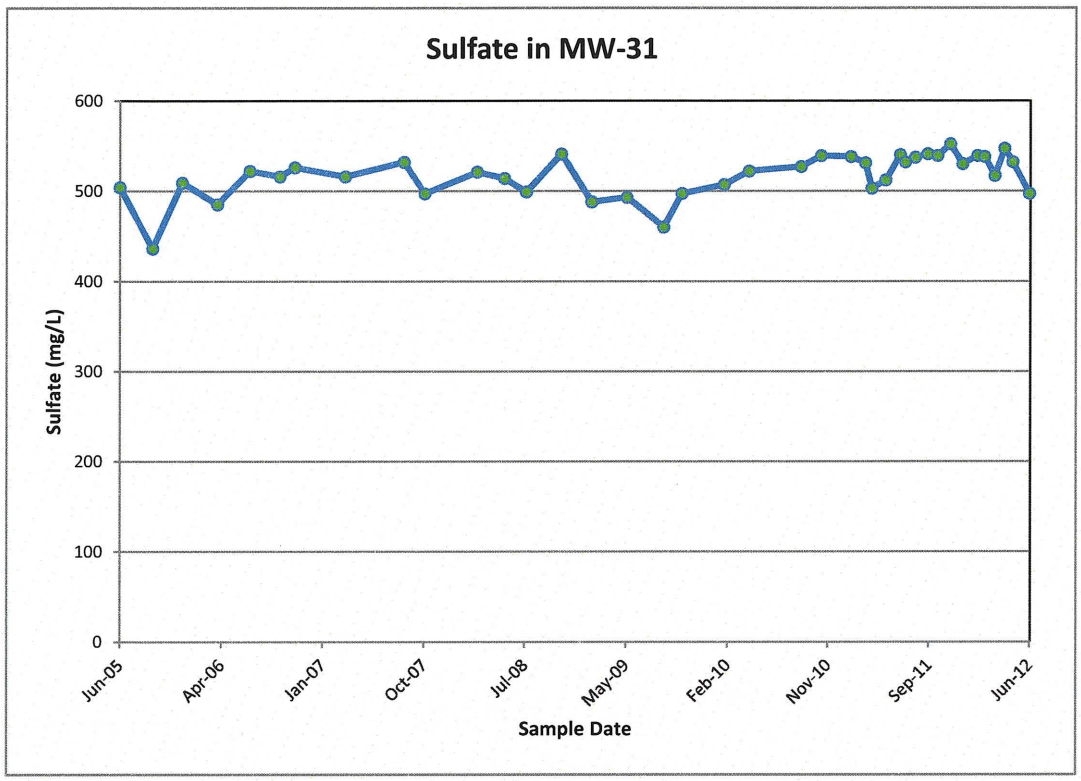
Time concentration plots for MW-31

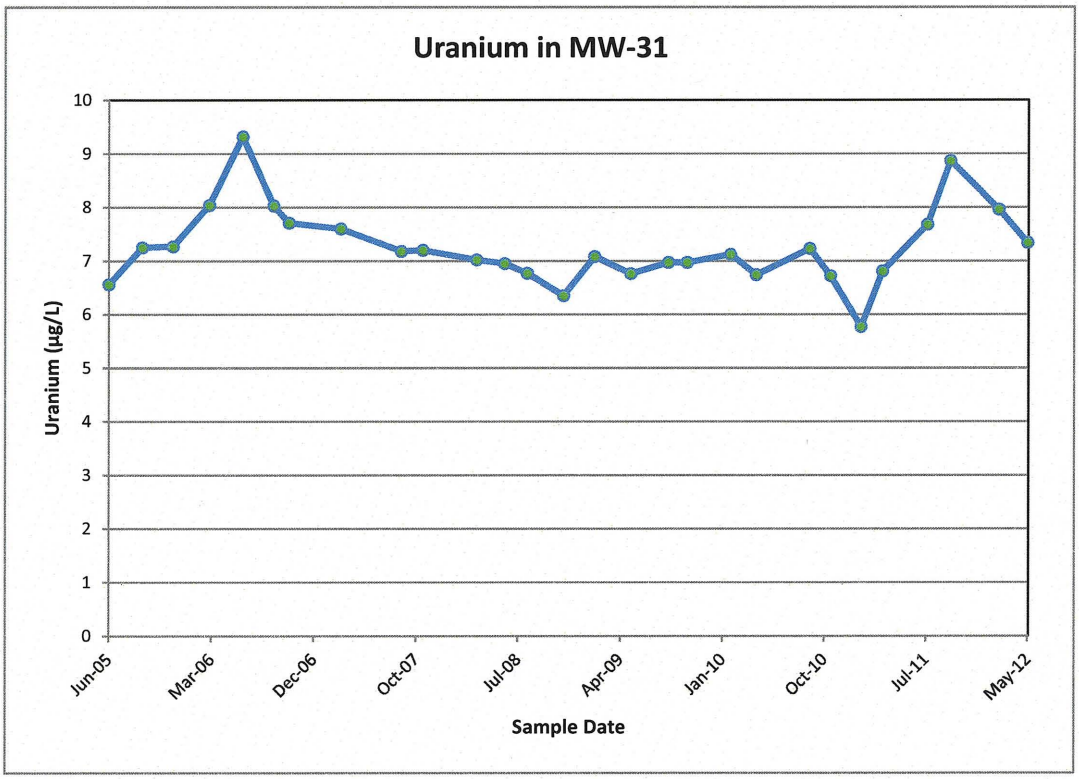




Detected Values
Non-Detected Values

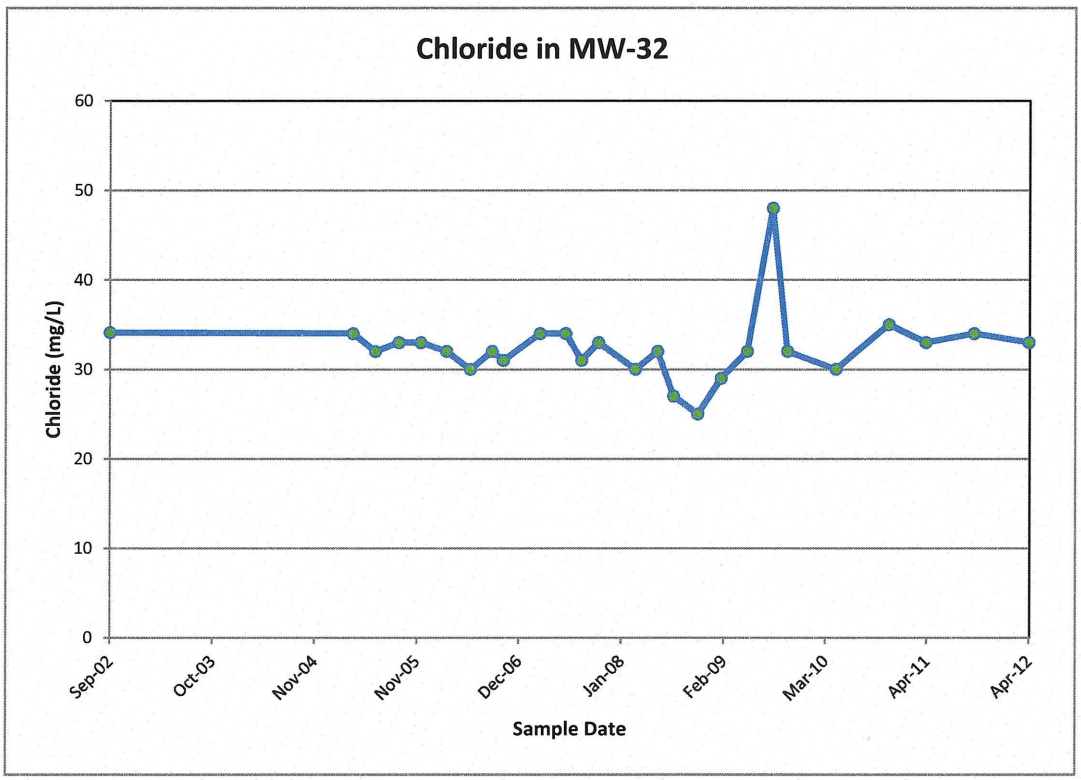
Time concentration plots for MW-31

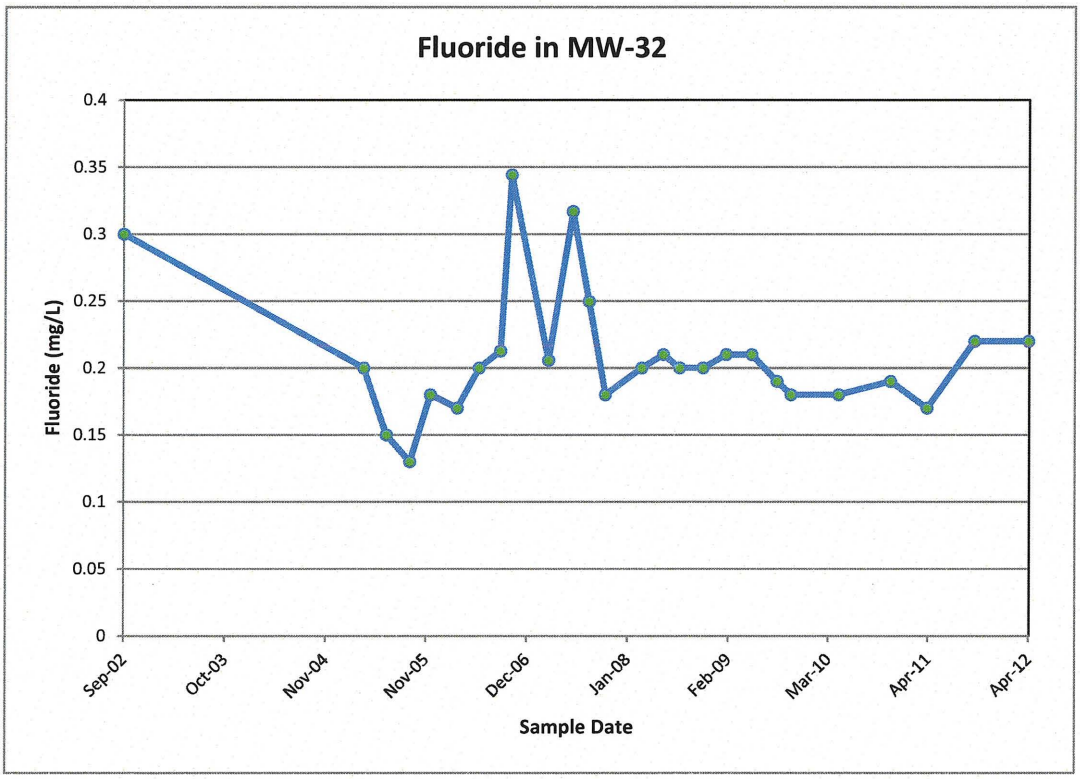




Detected Values
Non-Detected Values

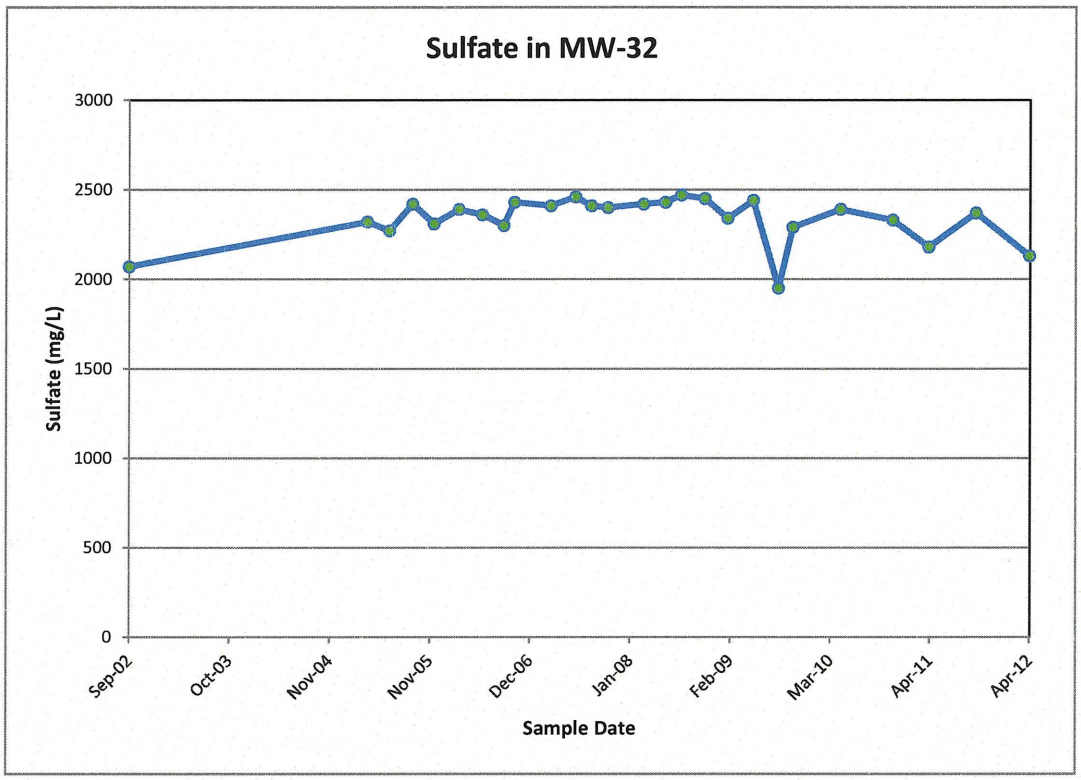
Time concentration plots for MW-32

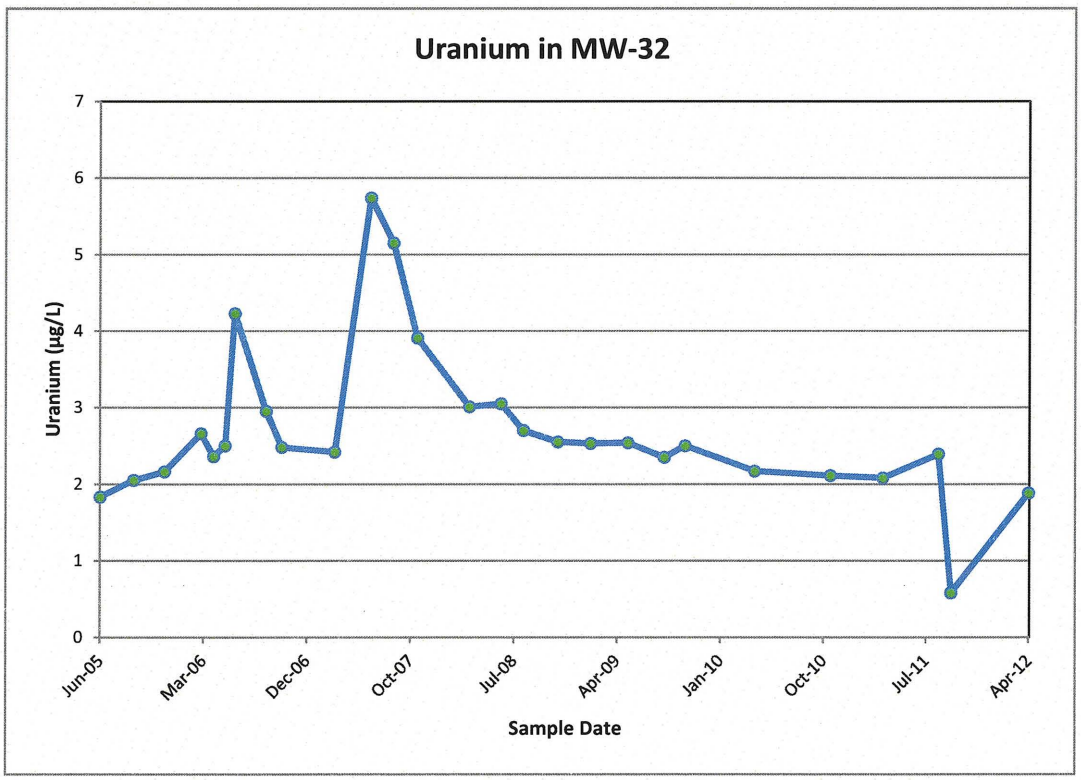




Detected Values
Non-Detected Values

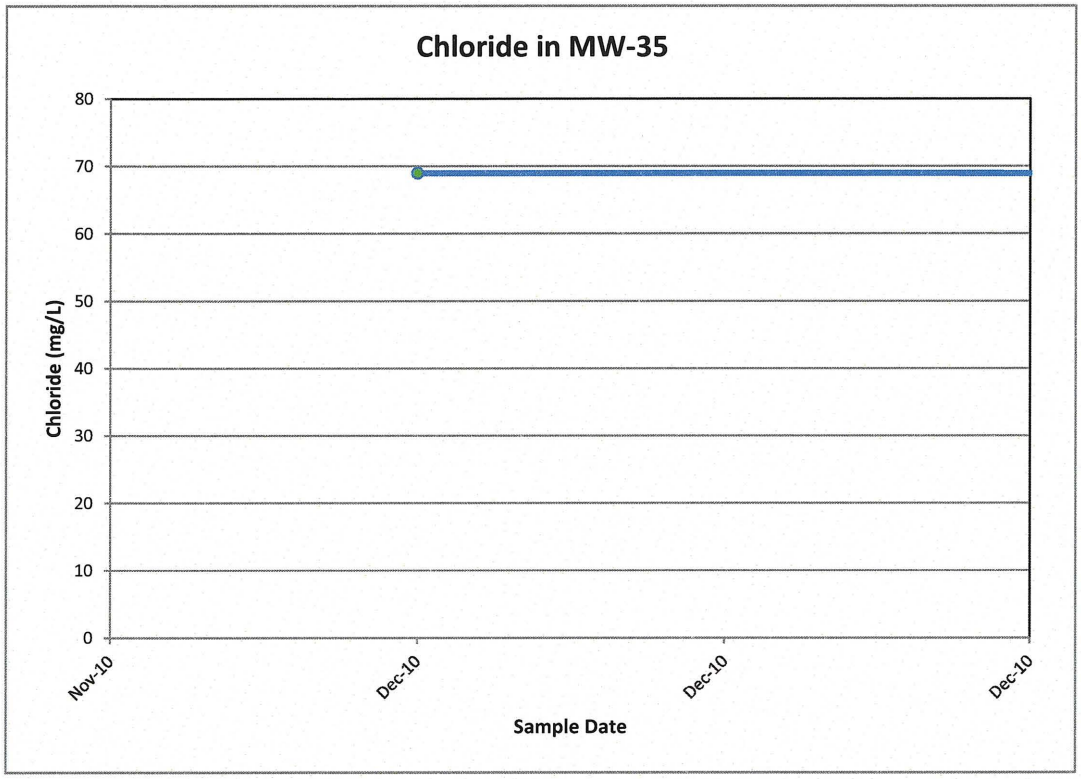
Time concentration plots for MW-32

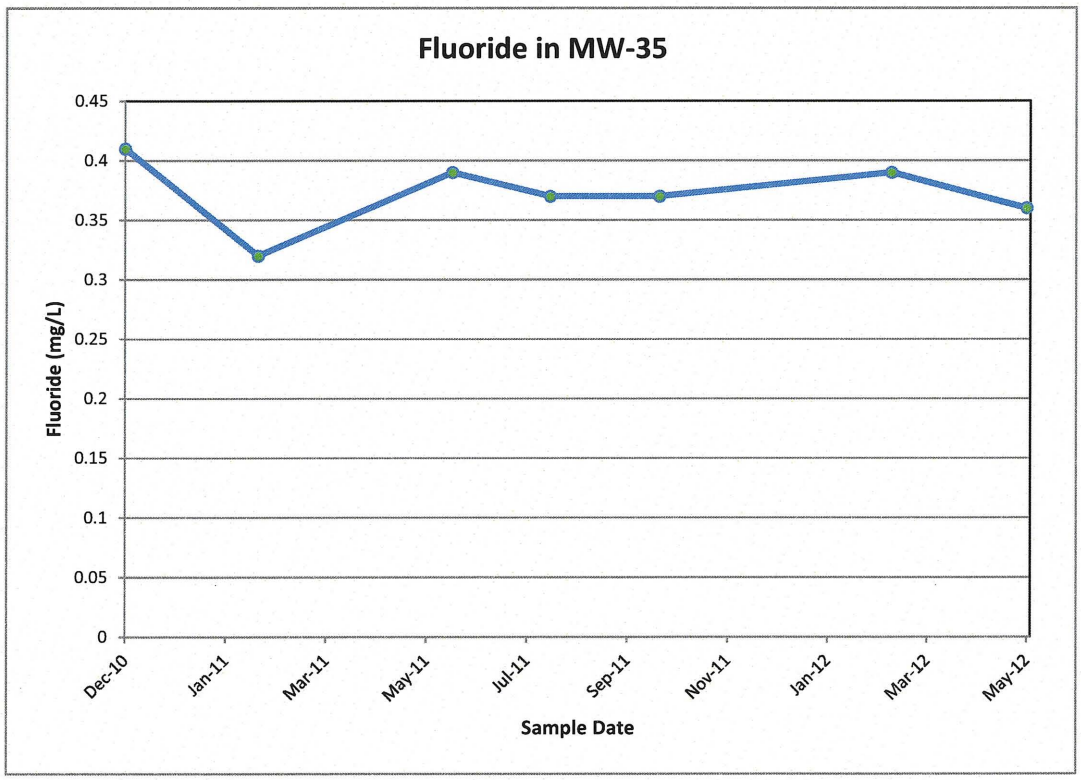




Detected Values
Non-Detected Values

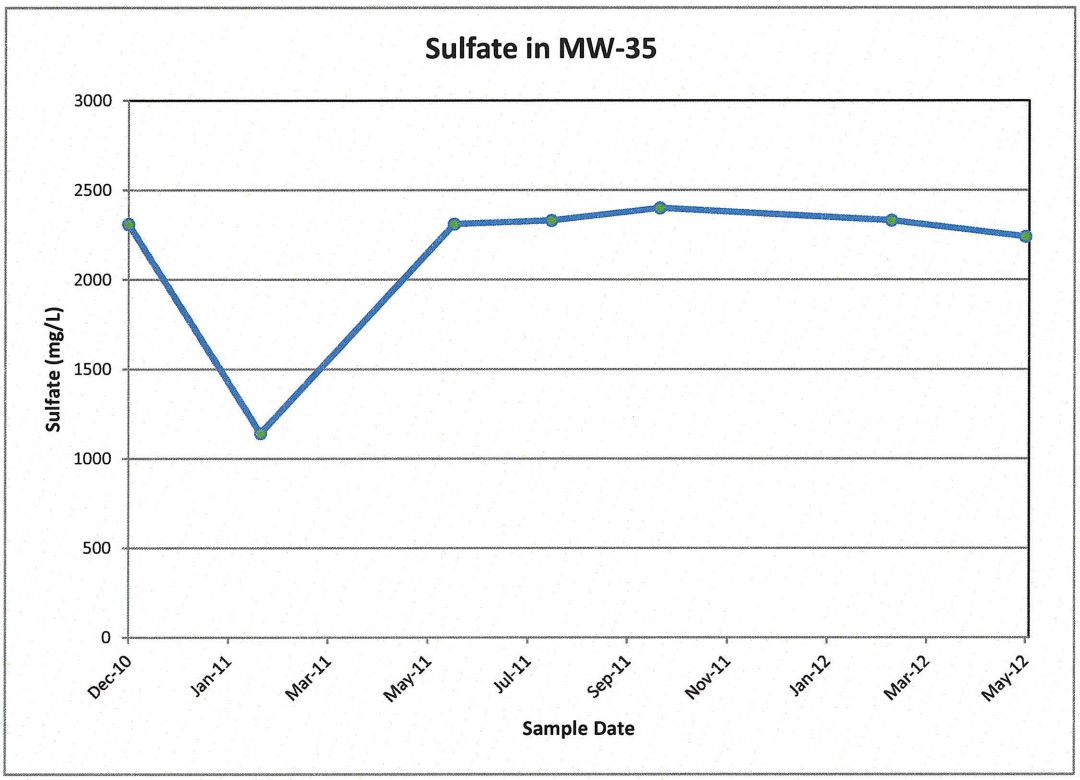
Time concentration plots for MW-35

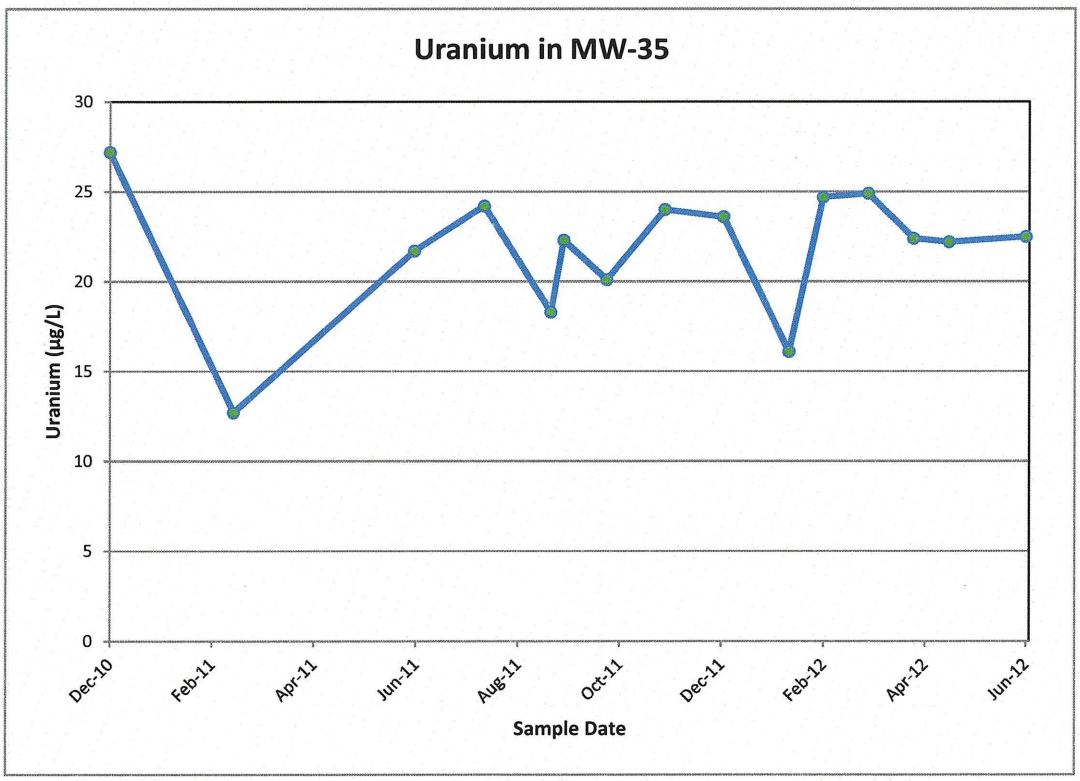




Detected Values
Non-Detected Values

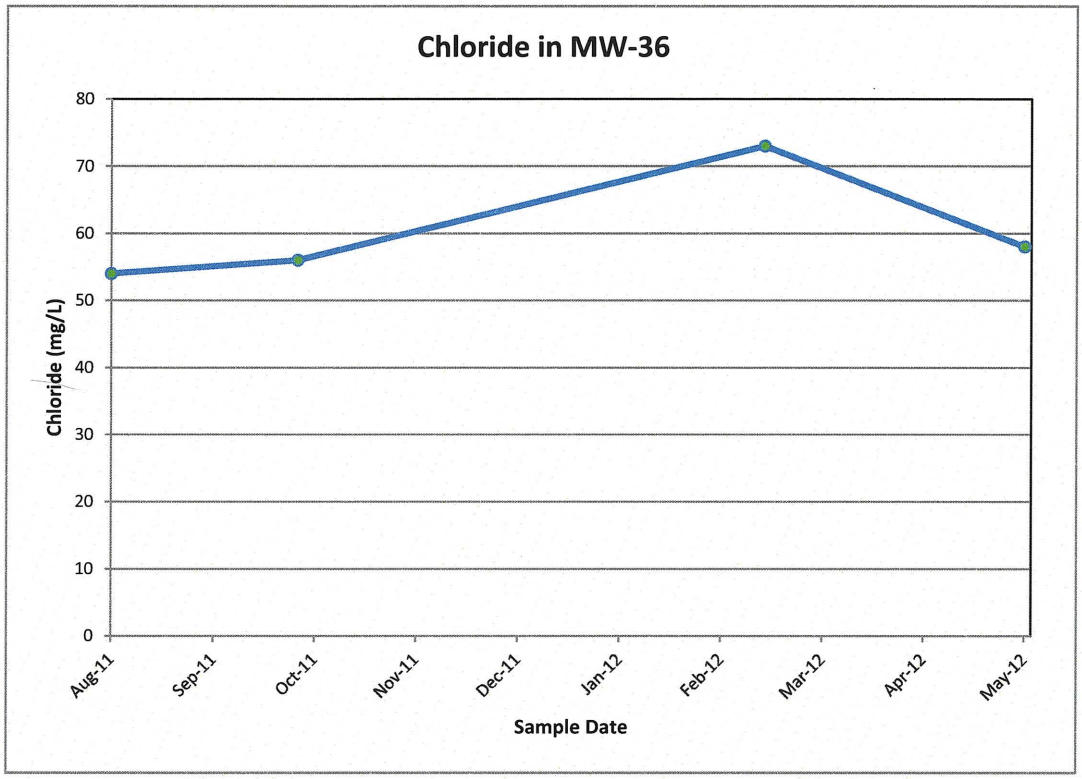
Time concentration plots for MW-35

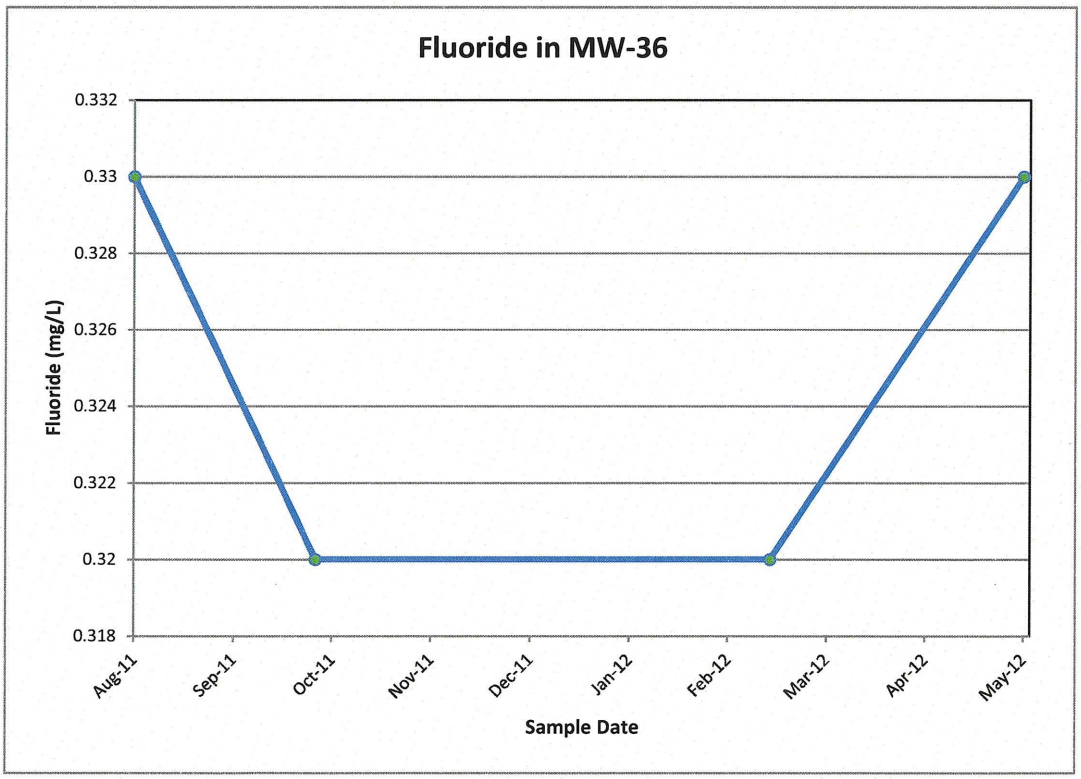




Detected Values
Non-Detected Values

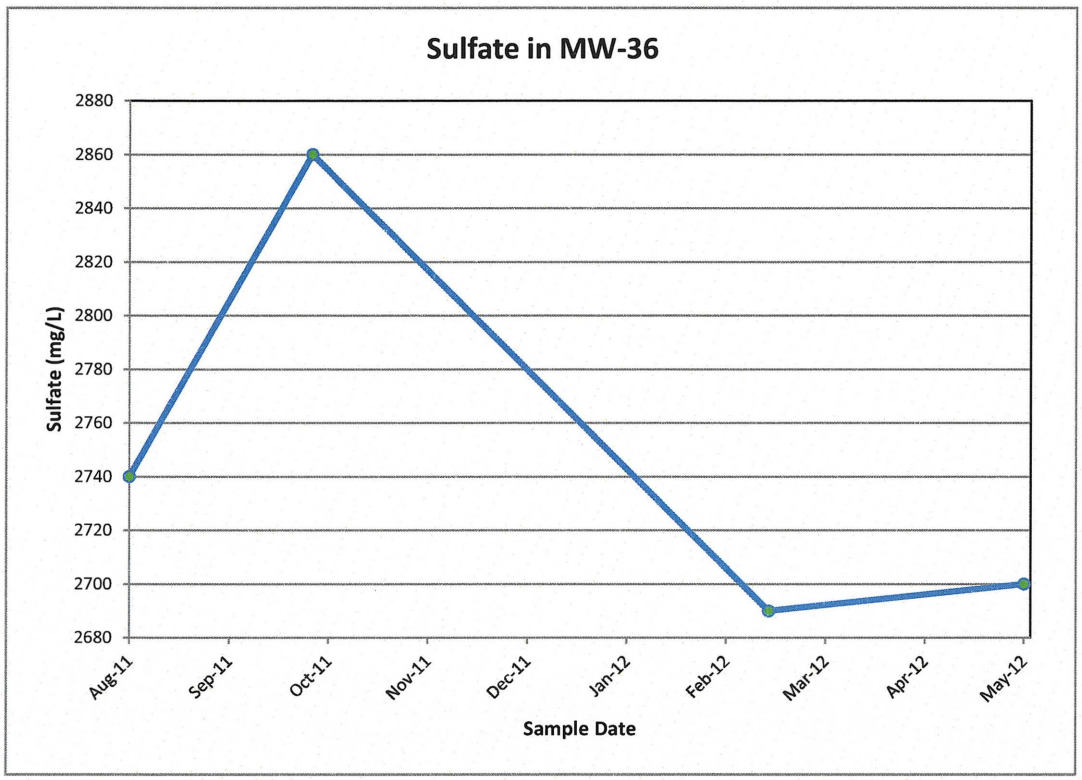
Time concentration plots for MW-36

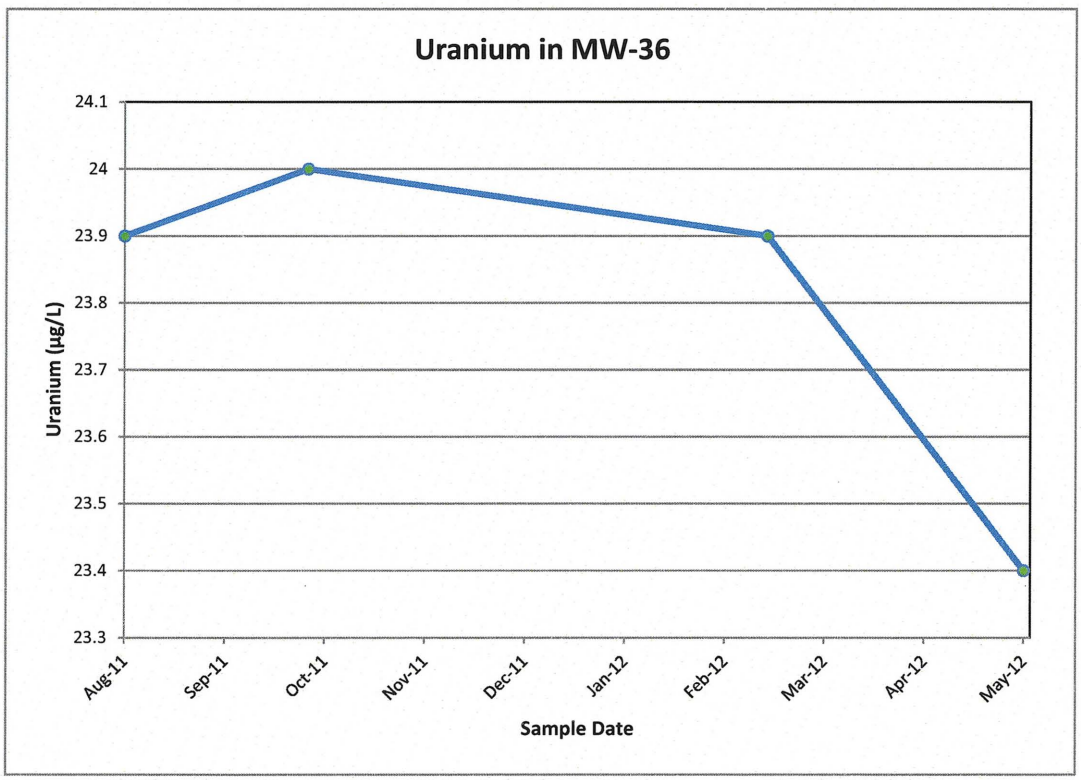




Detected Values
Non-Detected Values

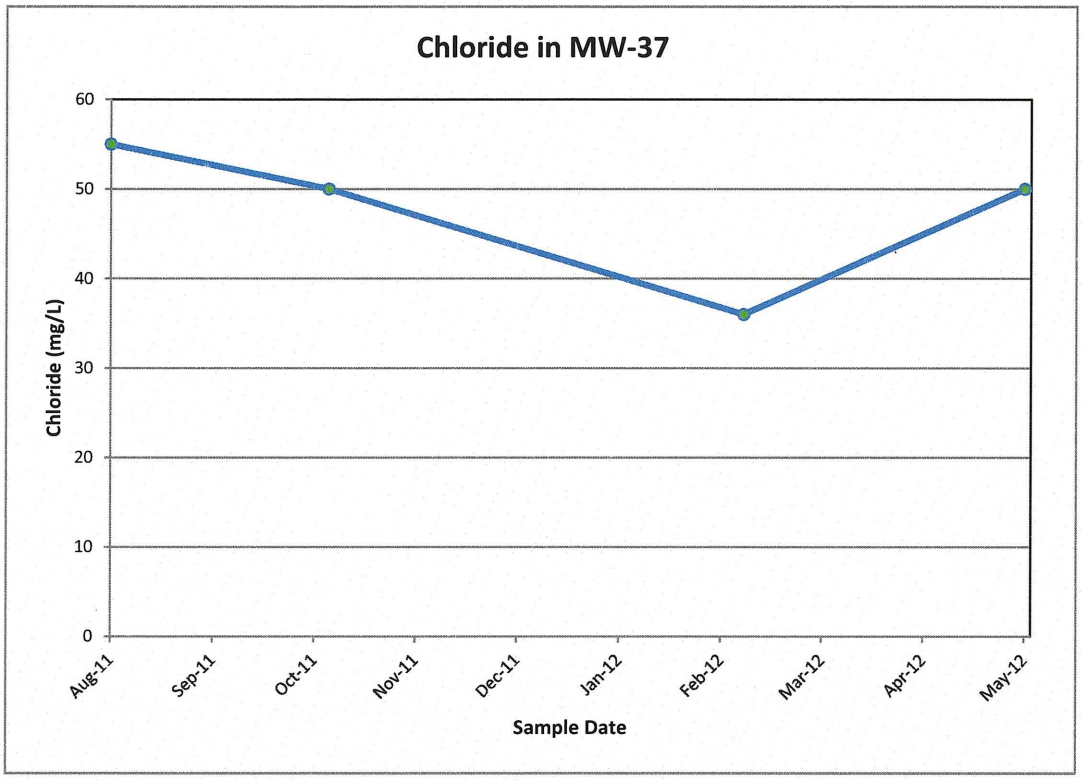
Time concentration plots for MW-36

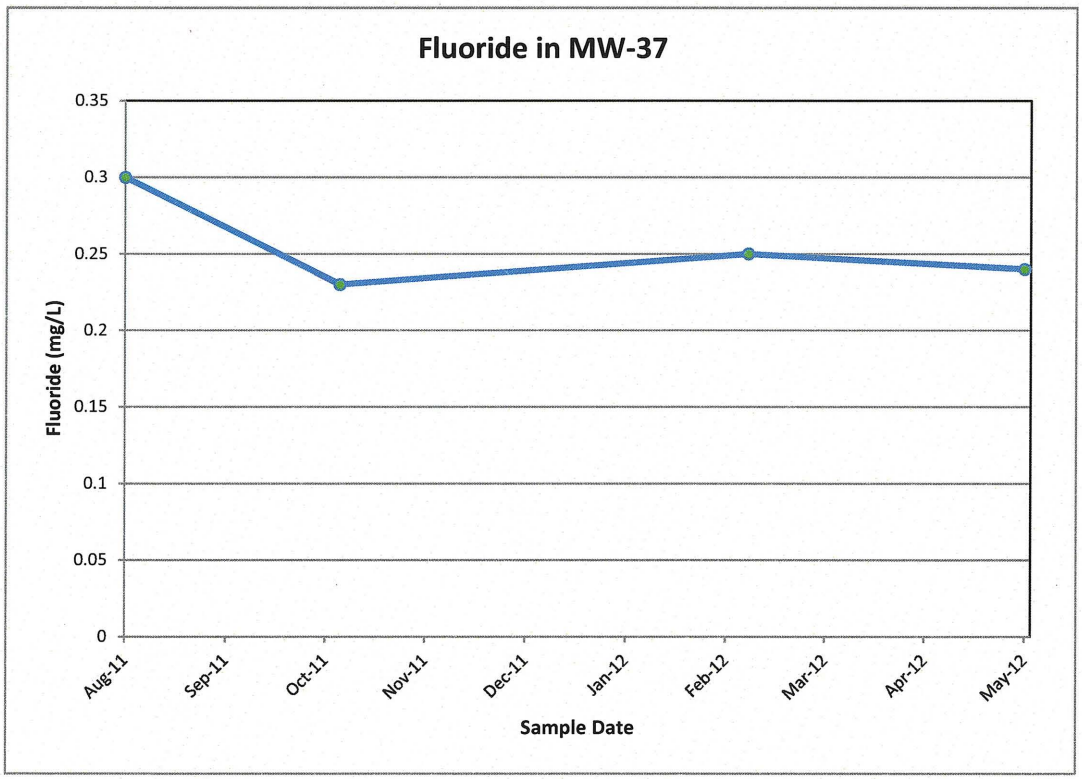




Detected Values
Non-Detected Values

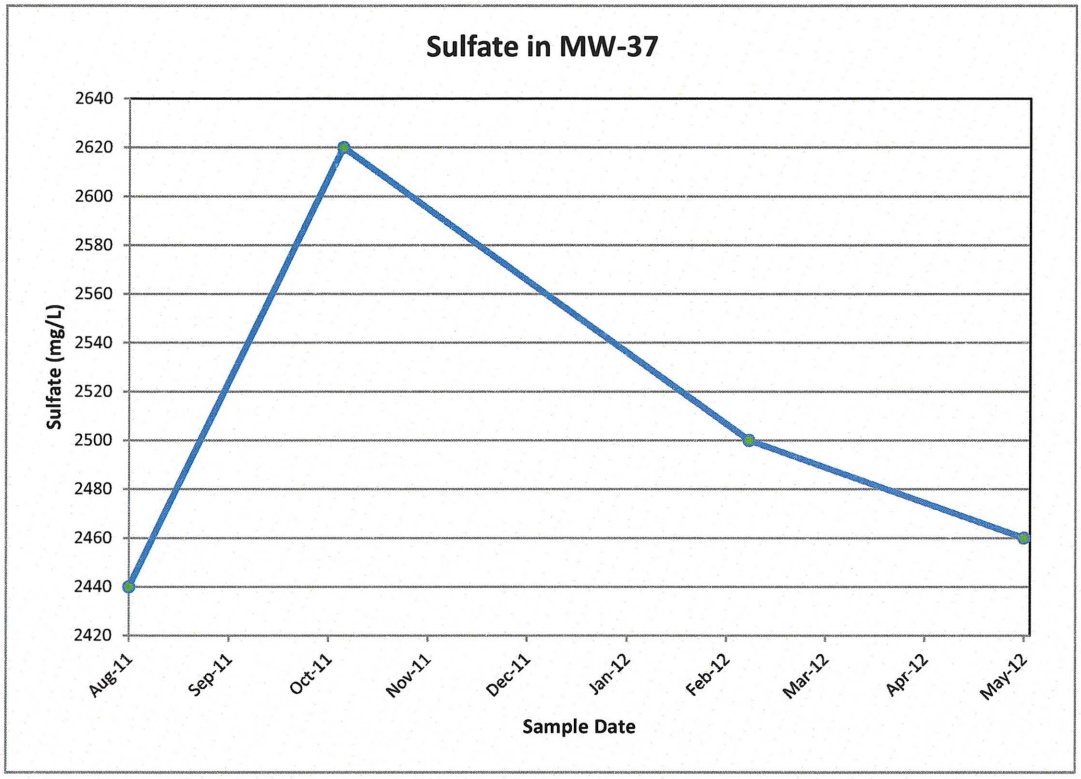
Time concentration plots for MW-37

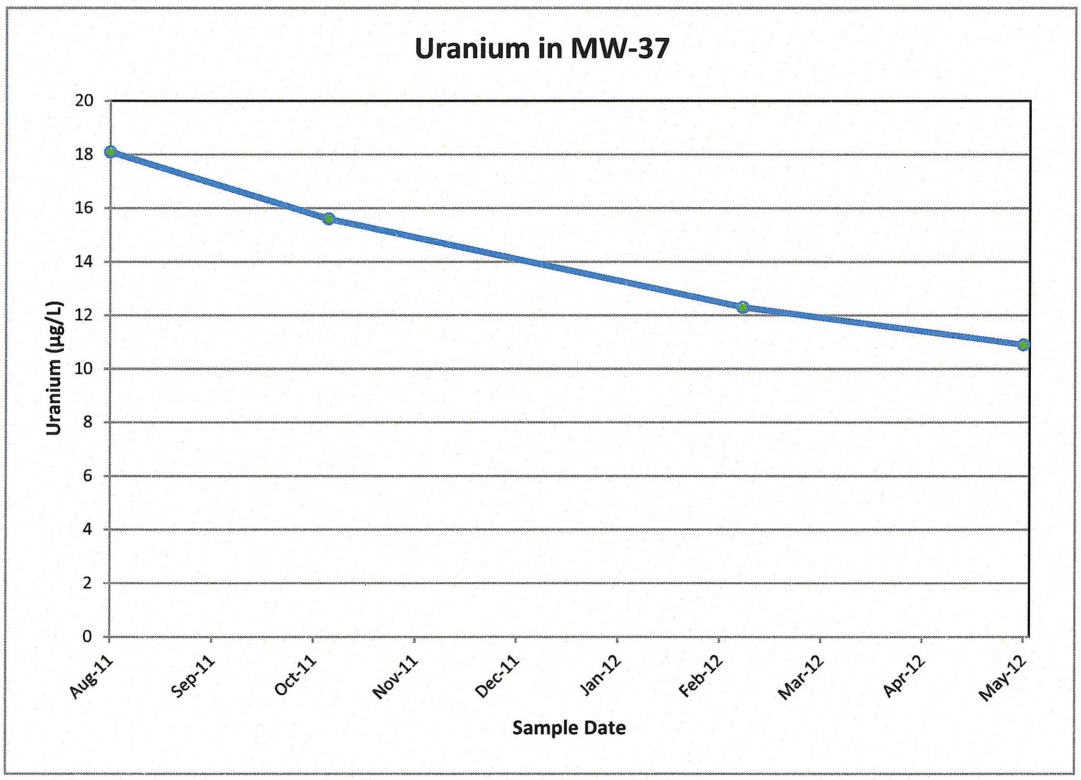




Detected Values
Non-Detected Values

Time concentration plots for MW-37





Detected Values
Non-Detected Values

Tab J

CSV Transmittal Letter

Kathy Weinel

From: Kathy Weinel
Sent: Wednesday, August 15, 2012 12:17 PM
To: 'rlundberg@utah.gov'
Cc: 'Phillip Goble'; 'Thomas Rushing ii'; Harold Roberts; David Frydenlund; Jo Ann Tischler; Jaime Massey; David Turk; N. Tanner Holliday; Garrin Palmer
Subject: Transmittal of CSV Files White Mesa Mill 2012 Q2 Groundwater Monitoring
Attachments: C12040736.csv; C12050196.csv; C12050272.csv; C12050443.csv; C12050723.csv; C12060029.csv; C12060306.csv; C12061241.csv; C12070037.csv; C12060935.csv; 1204240-EDD.csv; 1205087-EDD-rev1.csv; 1205130-EDD.csv; 1205202-EDD.csv; 1205319-EDD.csv; 1206010-EDD.csv; 1206136-EDD.csv; 1206289-EDD.csv; 1205499-EDD.csv; 1205500-EDD-rev1.csv; 1205501-EDD.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 second 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
Energy Fuels Resources (USA) Inc.
Quality Assurance Manager